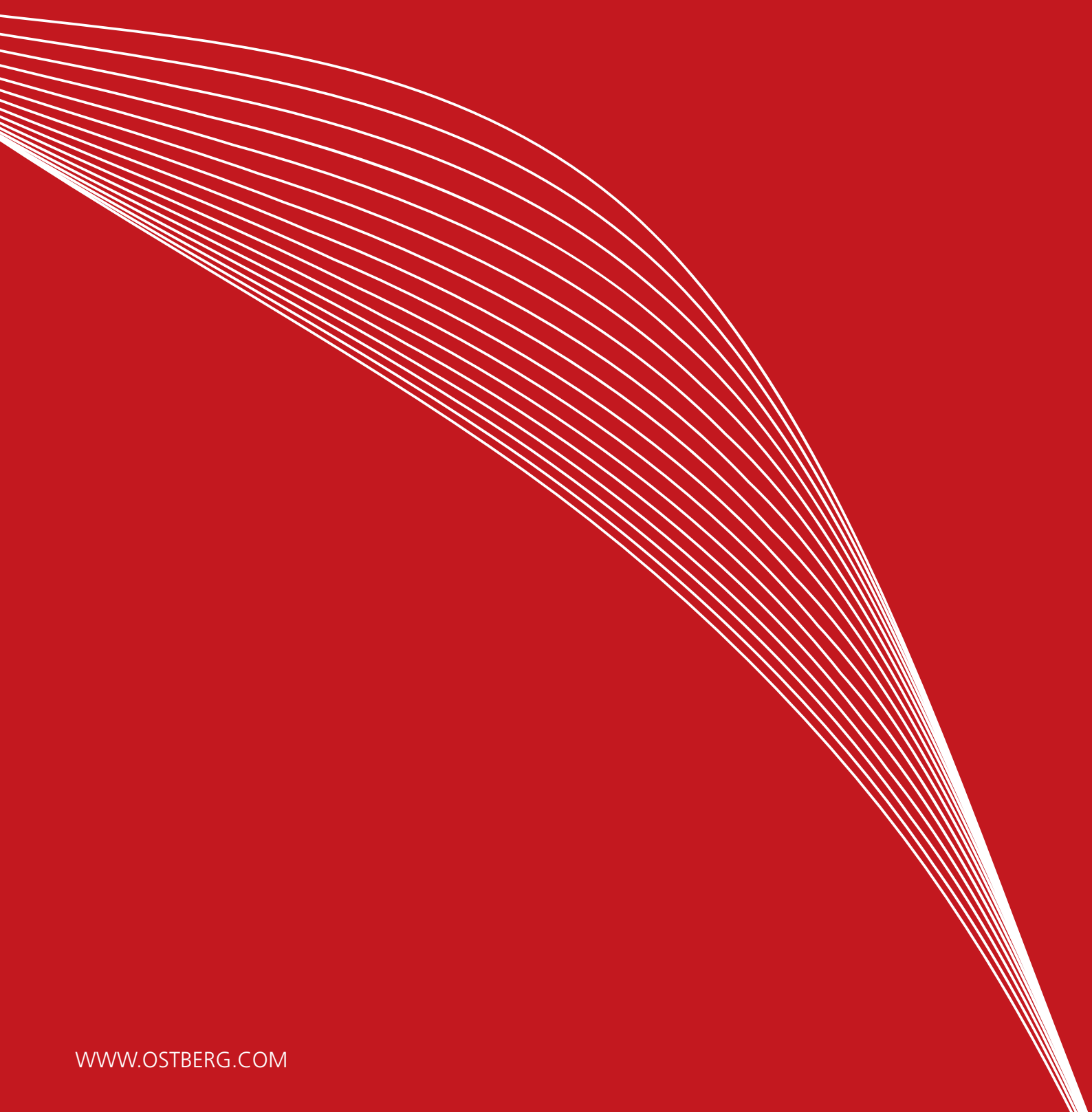


# FANS



energy  
efficient  
ventilation



## ENERGY EFFICIENT VENTILATION

Östberg is one of the leading producers of radial fans in the world. In the early 1970s, the founder and owner of the company designed the first circular and rectangular in-line radial duct fans in history with external rotor motors and straight-through airflow (180°). We have continued to develop new products and today offer a wide product range of centrifugal in-line duct fans, roof fans, wall fans and energy recovery units. Our goal is to always offer the highest-quality products at competitive prices. The company is certified according to the quality and environment standards ISO 9001. These high demands guarantee an efficient and rational production of high-standard fans. All our fans are tested before delivery, which gives us 100% control of production. Air quality directly affects the way we feel, not only physically but also mentally. Therefore use high-quality products from Östberg in order to achieve a healthy indoor climate with energy-efficient ventilation.





In 2021, Östberg celebrates 40 years, but as early as 1973, Hans Östberg designed the world's first circular duct fan with straight flow, outer rotor motor and radial fan wheels. This construction had a significant part for the start of the company L H G Kanalfläkt AB, where Hans Östberg owned 1/3.

The design was groundbreaking and the fan type is manufactured and sold today by most fan manufacturers in the global market. Welcome to celebrate with us!

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Visit [www.ostberg.com](http://www.ostberg.com) or contact sales guy for latest updated information about our products.

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FBS - BOX FAN	Page 89		BOX FAN FBS
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# CIRCULAR DUCT FANS WITH CIRCULAR CONNECTIONS



CK is a duct fan with circular connection. It is compact with high capacity and efficiency, with low sound levels.  
 CK is available with either AC or EC motor.  
 Operational in both 50Hz and 60Hz.  
 Air Flow up to 2100 m<sup>3</sup>/h (0.58 m<sup>3</sup>/s).  
 Pressure up to 835 Pa.

Pre-assembly of Mounting-kit CK is optional.  
 Please contact Ostberg sales before place the order.

CK Standard / CCC .....	Page 8
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CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

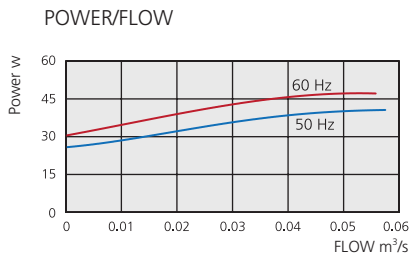
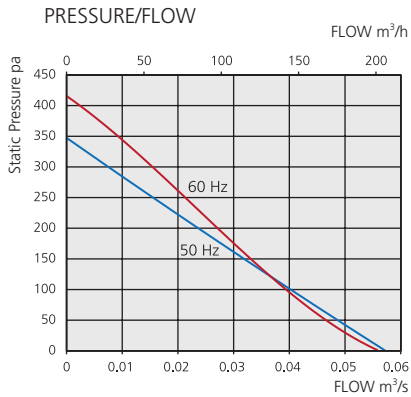
WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS

# CIRCULAR DUCT FANS WITH CIRCULAR CONNECTION

## CK 100 A

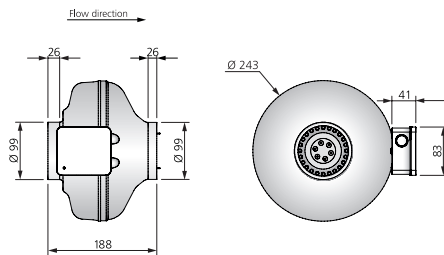


### TECHNICAL DATA

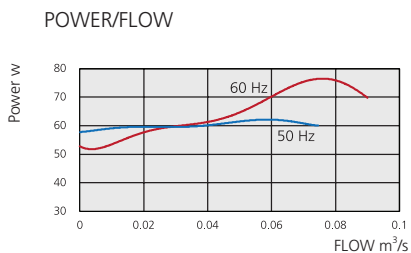
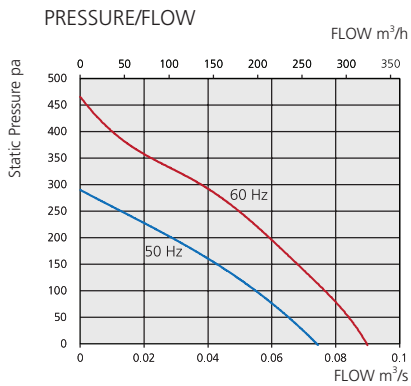


Product name	CK 100 A	CK 100 A	CK 100 A	
Art. no.	1907000030	1007000030	1007000030	
Voltage	230/50	230/60	230/50	V/Hz
Voltage range	220-240 /50	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	1	~
Current	0.18	0.21	0.18	A
Power	41	47	41	W
Speed	1755	1965	1755	RPM
Capacitor	3	3	3	µF
Max temperature of transported air	60	60	60	°C
Sound pressure level at 3m	36	36	36	dB(A)
Weight	2.6	2.6	2.6	Kg
Wiring diagram	4040002	4040002	4040002	

### DIMENSIONS(mm)



## CK 100 C

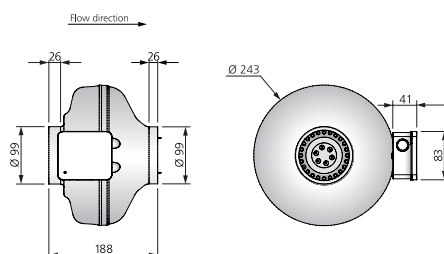


### TECHNICAL DATA



Product name	CK 100 C	CK 100 C	CK 100 C	
Art. no.	1907000034	1007000034	1007000034	
Voltage	230/50	230/60	230/50	V/Hz
Voltage range	220-240 /50	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	1	~
Current	0.28	0.34	0.28	A
Power	63	78	63	W
Speed	2530	2750	2530	RPM
Capacitor	2	2	2	µF
Max temperature of transported air	60	60	60	°C
Sound pressure level at 3m	42	45	42	dB(A)
Weight	2.6	2.6	2.6	Kg
Wiring diagram	4040001	4040001	4040001	

### DIMENSIONS(mm)





# CIRCULAR DUCT FANS WITH CIRCULAR CONNECTION

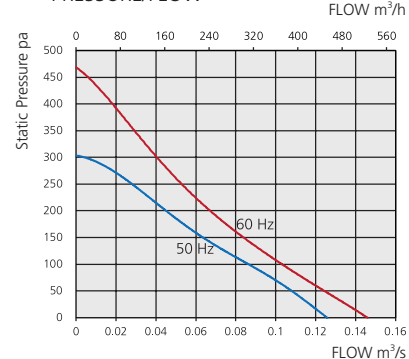
## CK 125 C

### TECHNICAL DATA

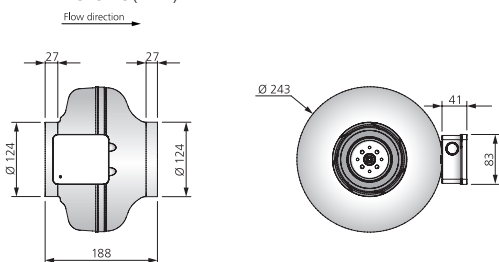


Product name	CK 125 C	CK 125 C	CK 125 C	
Art. no.	1907000040	1007000040	1007000040	
Voltage	230/50	230/60	230/50	V/Hz
Voltage range	220-240 /50	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	1	~
Current	0.27	0.37	0.27	A
Power	62	84	62	W
Speed	2480	2760	2480	RPM
Capacitor	2	2	2	µF
Max temperature of transported air	60	60	60	°C
Sound pressure level at 3m	42	45	42	dB(A)
Weight	2.7	2.6	2.7	Kg
Wiring diagram	4040001	4040001	4040001	

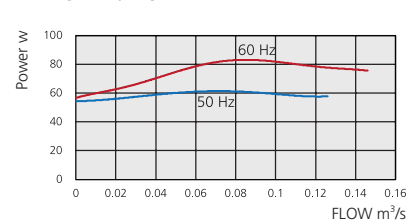
### PRESSURE/FLOW



### DIMENSIONS(mm)



### POWER/FLOW



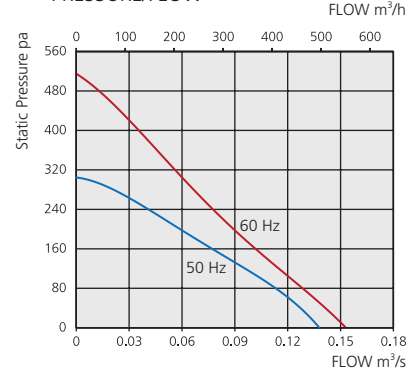
## CK 150 B

### TECHNICAL DATA

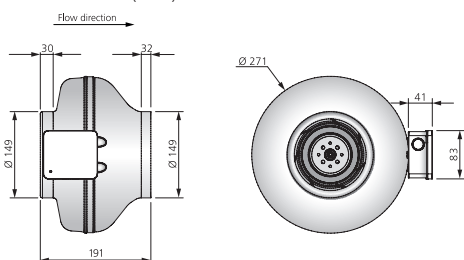


Product name	CK 150 B	CK 150 B	CK 150 B	
Art. no.	1907000043	1007000043	1007000043	
Voltage	230/50	230/60	230/50	V/Hz
Voltage range	220-240 /50	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	1	~
Current	0.27	0.33	0.27	A
Power	62	76	62	W
Speed	2540	2700	2540	RPM
Capacitor	2	2	2	µF
Max temperature of transported air	60	60	60	°C
Sound pressure level at 3m	42	46	42	dB(A)
Weight	3	3	3	Kg
Wiring diagram	4040001	4040001	4040001	

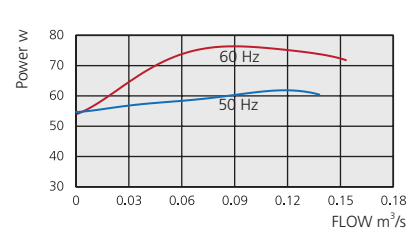
### PRESSURE/FLOW



### DIMENSIONS(mm)

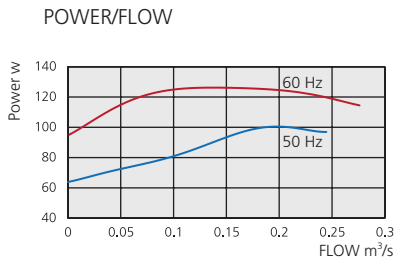
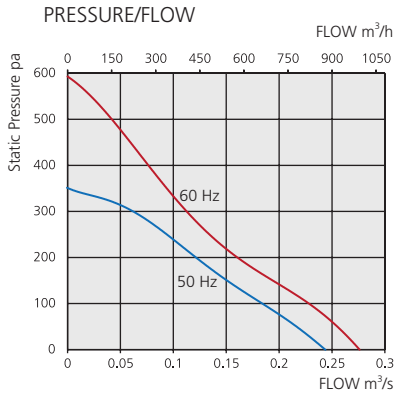


### POWER/FLOW



# CIRCULAR DUCT FANS WITH CIRCULAR CONNECTION

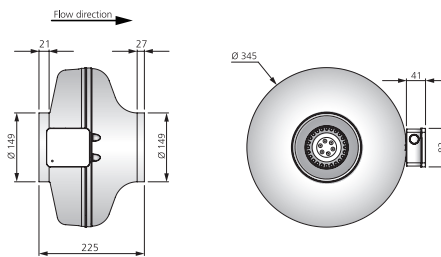
## CK 150 C



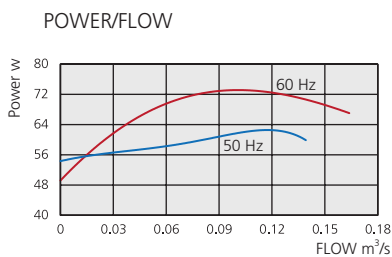
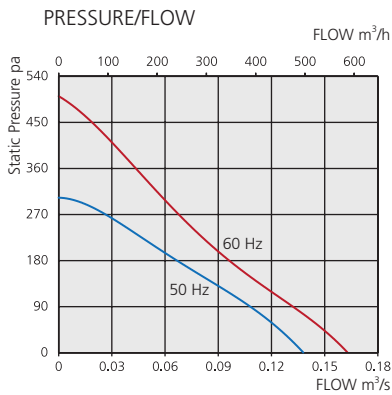
### TECHNICAL DATA

	CK 150 C	CK 150 C	
Product name	CK 150 C	CK 150 C	
Art. no.	1007000045	1007000045	
Voltage	230/60	230/50	V/Hz
Voltage range	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	~
Current	0.55	0.44	A
Power	126	101	W
Speed	2650	2480	RPM
Capacitor	2.5	2.5	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	52	49	dB(A)
Weight	4	4	Kg
Wiring diagram	4040001	4040001	

### DIMENSIONS(mm)



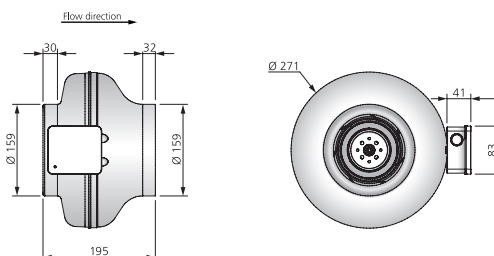
## CK 160 B



### TECHNICAL DATA

	CK 160 B	CK 160 B	CK 160 B	
Product name	CK 160 B	CK 160 B	CK 160 B	
Art. no.	1907000048	1007000048	1007000048	
Voltage	230/50	230/60	230/50	V/Hz
Voltage range	220-240 /50	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	1	~
Current	0.28	0.32	0.28	A
Power	63	73	63	W
Speed	2540	2740	2540	RPM
Capacitor	2	2	2	µF
Max temperature of transported air	60	60	60	°C
Sound pressure level at 3m	42	46	42	dB(A)
Weight	2.9	2.9	2.9	Kg
Wiring diagram	4040001	4040001	4040001	

### DIMENSIONS(mm)





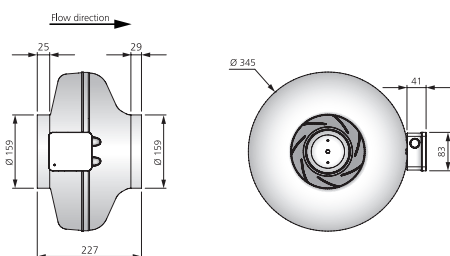
# CIRCULAR DUCT FANS WITH CIRCULAR CONNECTION

## CK 160 C

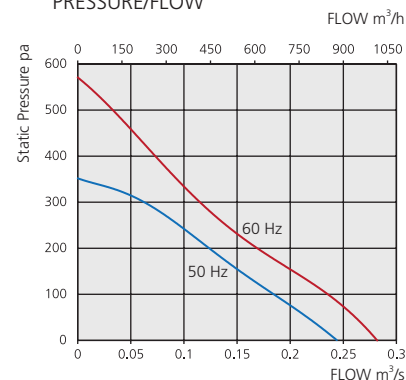
### TECHNICAL DATA

Product name	CK 160 C	CK 160 C	
Art. no.	1007000050	1007000050	
Voltage	230/60	230/50	V/Hz
Voltage range	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	~
Current	0.55	0.44	A
Power	126	101	W
Speed	2720	2480	RPM
Capacitor	2.5	2.5	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	53	49	dB(A)
Weight	4	4	Kg
Wiring diagram	4040001	4040001	

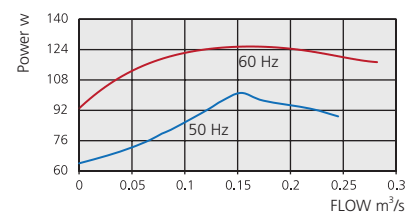
### DIMENSIONS(mm)



### PRESSURE/FLOW



### POWER/FLOW

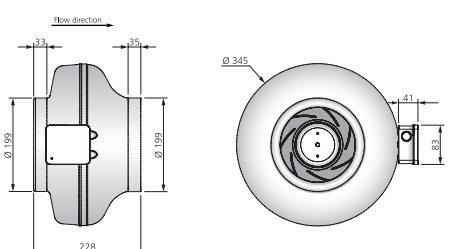


## CK 200 A

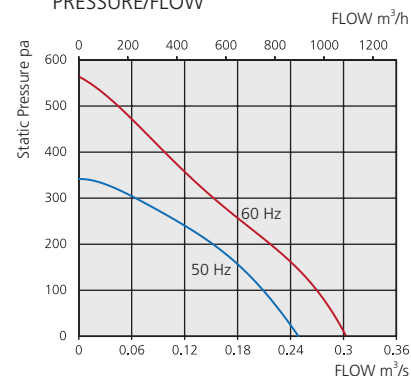
### TECHNICAL DATA

Product name	CK 200 A	CK 200 A	
Art. no.	1007000053	1007000053	
Voltage	230/60	230/50	V/Hz
Voltage range	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	~
Current	0.66	0.5	A
Power	151	114	W
Speed	3010	2580	RPM
Capacitor	4	4	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	53	43	dB(A)
Weight	4.2	4.2	Kg
Wiring diagram	4040001	4040001	

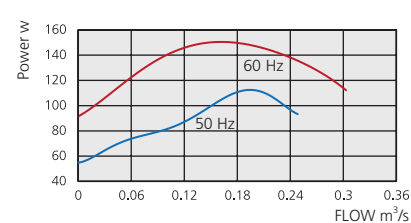
### DIMENSIONS(mm)



### PRESSURE/FLOW



### POWER/FLOW



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

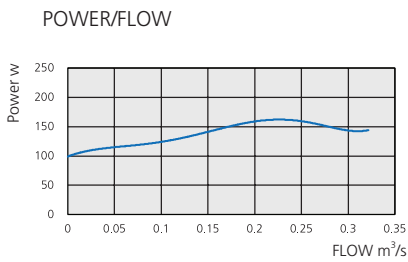
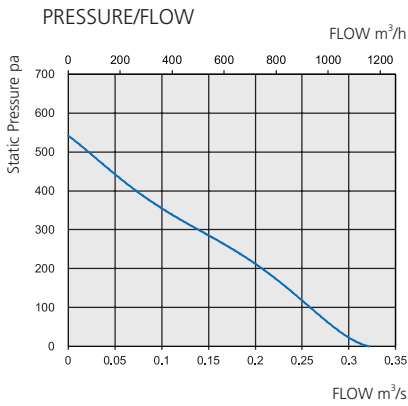
WALL FANS

MECHANICAL ACCESSORIES

GENERAL FAN FACTS

# CIRCULAR DUCT FANS WITH CIRCULAR CONNECTION

## CK 200 B 50Hz

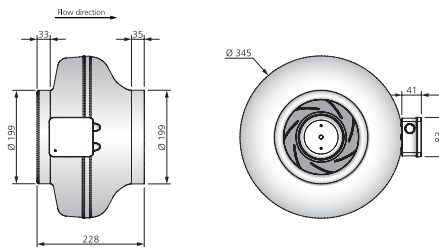


### TECHNICAL DATA

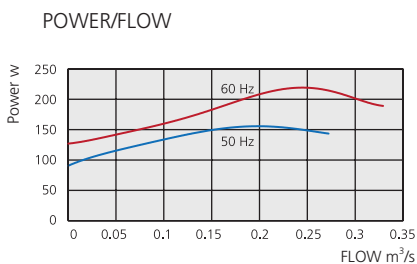
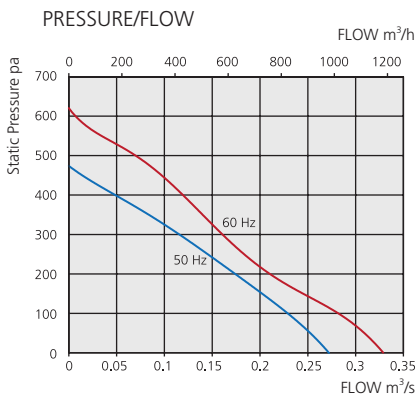


	CK 200 B	CK 200 B 50Hz	
Product name	CK 200 B	CK 200 B 50Hz	
Art. no.	1907000056	1007000056	
Voltage	230/50	230/50	V/Hz
Voltage range	220-240 /50	220-240 /50	V/Hz
Phase	1	1	~
Current	0.71	0.71	A
Power	165	165	W
Speed	2500	2500	RPM
Capacitor	3	3	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	48	48	dB(A)
Weight	4.9	4.9	Kg
Wiring diagram	4040001	4040001	

### DIMENSIONS(mm)



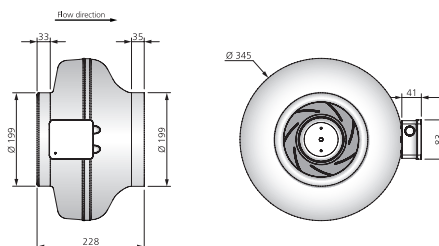
## CK 200 B



### TECHNICAL DATA

	CK 200 B	CK 200 B	
Product name	CK 200 B	CK 200 B	
Art. no.	1007000089	1007000089	
Voltage	230/60	230/50	V/Hz
Voltage range	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	~
Current	1	0.7	A
Power	220	160	W
Speed	2730	2590	RPM
Capacitor	5	5	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	47	45	dB(A)
Weight	4.9	4.9	Kg
Wiring diagram	4040001	4040001	

### DIMENSIONS(mm)





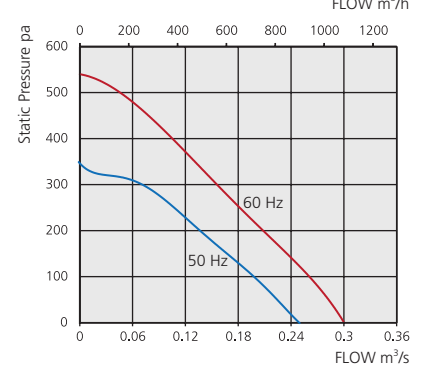
# CIRCULAR DUCT FANS WITH CIRCULAR CONNECTION

## CK 250 A

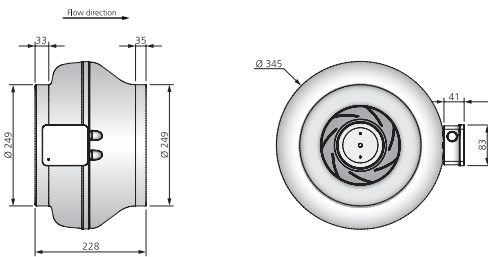
### TECHNICAL DATA

Product name	CK 250 A	CK 250 A	
Art. no.	1007000059	1007000059	
Voltage	230/60	230/50	V/Hz
Voltage range	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	~
Current	0.67	0.5	A
Power	155	114	W
Speed	3020	2580	RPM
Capacitor	4	4	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	52	43	dB(A)
Weight	4.3	4.3	Kg
Wiring diagram	4040001	4040001	

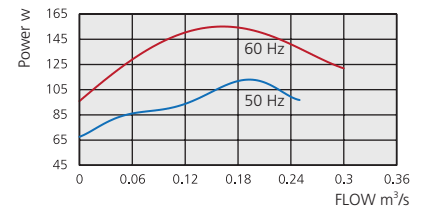
### PRESSURE/FLOW



### DIMENSIONS(mm)



### POWER/FLOW

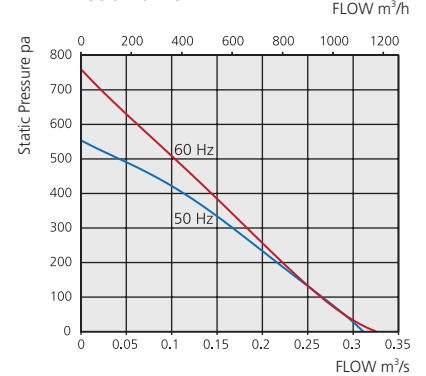


## CK 250 C

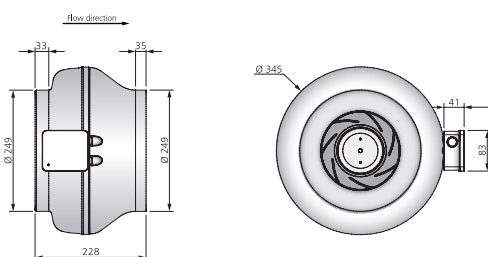
### TECHNICAL DATA

Product name	CK 250 C	CK 250 C	
Art. no.	1007000065	1007000065	
Voltage	230/60	230/50	V/Hz
Voltage range	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	~
Current	0.94	0.71	A
Power	215	165	W
Speed	2630	2530	RPM
Capacitor	5	5	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	51	49	dB(A)
Weight	5.1	5.1	Kg
Wiring diagram	4040001	4040001	

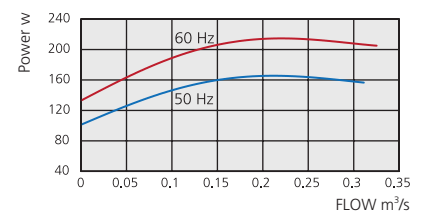
### PRESSURE/FLOW



### DIMENSIONS(mm)

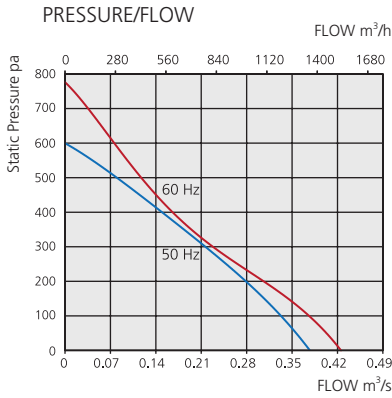


### POWER/FLOW



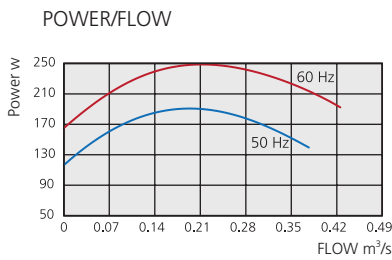
# CIRCULAR DUCT FANS WITH CIRCULAR CONNECTION

## CK 315 B

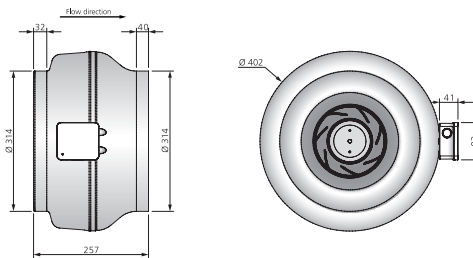


### TECHNICAL DATA

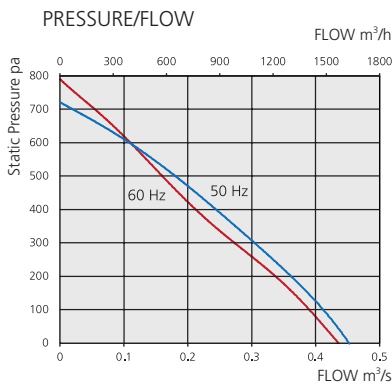
	CK 315 B	CK 315 B	
Product name	CK 315 B	CK 315 B	
Art. no.	1007000067	1007000067	
Voltage	230/60	230/50	V/Hz
Voltage range	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	~
Current	1.08	0.84	A
Power	247	192	W
Speed	2490	2440	RPM
Capacitor	5	5	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	49	47	dB(A)
Weight	5.8	5.8	Kg
Wiring diagram	4040001	4040001	



### DIMENSIONS(mm)

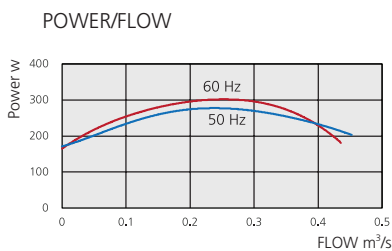


## CK 315 C

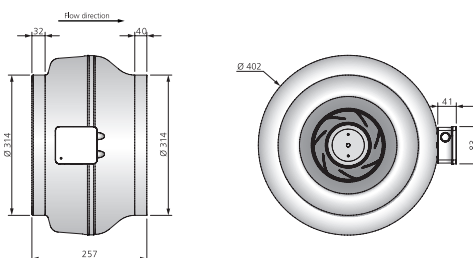


### TECHNICAL DATA

	CK 315 C 60Hz	CK 315 C 50Hz	
Product name	CK 315 C 60Hz	CK 315 C 50Hz	
Art. no.	1007000119	1007000071	
Voltage	220/60	230/50	V/Hz
Voltage range	220-240/60	220-240 /50	V/Hz
Phase	1	1	~
Current	1.4	1.21	A
Power	305	276	W
Speed	2655	2500	RPM
Capacitor	5	8	µF
Max temperature of transported air	60	50	°C
Sound pressure level at 3m	50	50	dB(A)
Weight	6.1	6.2	Kg
Wiring diagram	4040001	4040001	



### DIMENSIONS(mm)





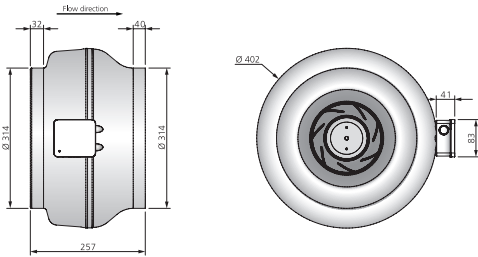
# CIRCULAR DUCT FANS WITH CIRCULAR CONNECTION

CK 315 D

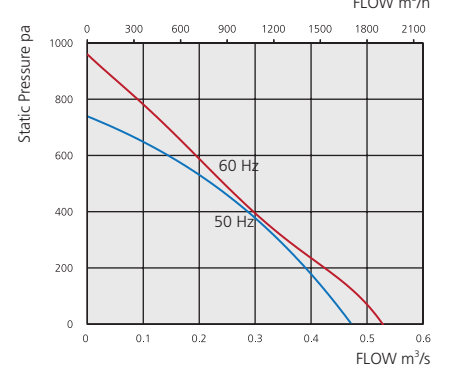
## TECHNICAL DATA

Product name	CK 315 D	CK 315 D	
Art. no.	1007001039	1007001039	
Voltage	230/60	230/50	V/Hz
Voltage range	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	~
Current	2.37	1.65	A
Power	544	373	W
Speed	2650	2600	RPM
Capacitor	7	7	μF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	53	51	dB(A)
Weight	7.1	7.1	Kg
Wiring diagram	4040001	4040001	

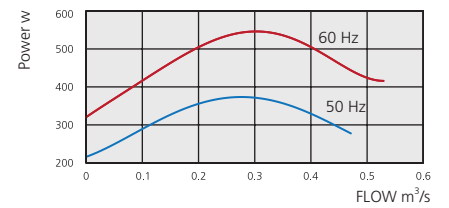
## DIMENSIONS(mm)



## PRESSURE/FLOW



## POWER/FLOW



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

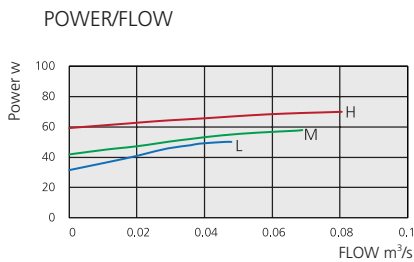
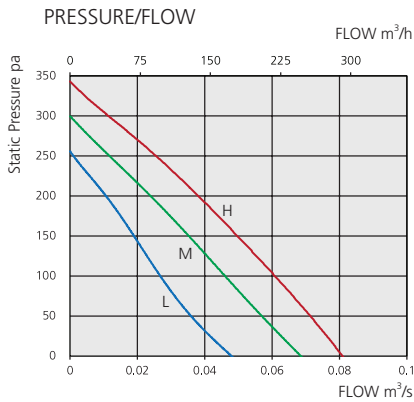
WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS

# CIRCULAR DUCT FANS WITH CIRCULAR CONNECTION

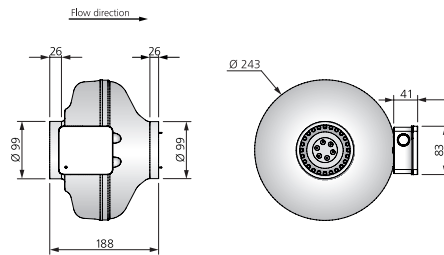
## CK 100 3S 50Hz



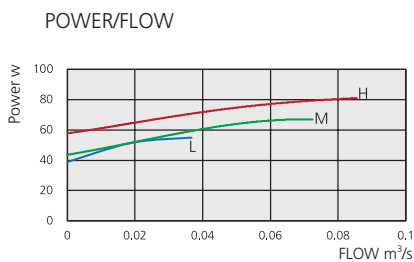
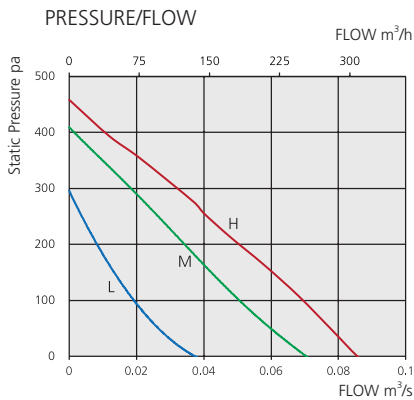
### TECHNICAL DATA

	CK 100 3S	CK 100 3S
Product name	CK 100 3S	CK 100 3S
Art. no.	1907003901	1007003901
Voltage	230/50	230/50 V/Hz
Voltage range	220-240/50	220-240 /50/60 V/Hz
Phase	1	1 ~
Current	0.3	0.3 A
Power	70	70 W
Speed	2470	2470 RPM
Capacitor	2	2 µF
Max temperature of transported air	60	60 °C
Sound pressure level at 3m	<ul style="list-style-type: none"> <li>• High speed 42</li> <li>• Middle speed 37</li> <li>• Low speed 34</li> </ul>	<ul style="list-style-type: none"> <li>• High speed 42</li> <li>• Middle speed 37</li> <li>• Low speed 34</li> </ul> dB(A)
Weight	2.6	2.6 Kg
Wiring diagram	1404000007	1404000007

### DIMENSIONS(mm)



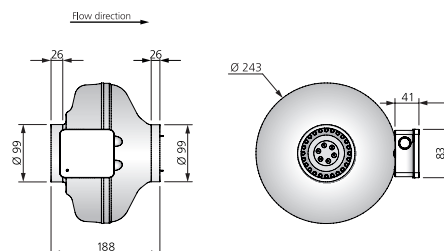
## CK 100 3S 60Hz



### TECHNICAL DATA

	CK 100 3S
Product name	CK 100 3S
Art. no.	1007003901
Voltage	230/60 V/Hz
Voltage range	220-240 /50/60 V/Hz
Phase	1 ~
Current	0.35 A
Power	81 W
Speed	2780 RPM
Capacitor	2 µF
Max temperature of transported air	60 °C
Sound pressure level at 3m	<ul style="list-style-type: none"> <li>• High speed 44</li> <li>• Middle speed 39</li> <li>• Low speed 28</li> </ul> dB(A)
Weight	2.6 Kg
Wiring diagram	1404000007

### DIMENSIONS(mm)





# CIRCULAR DUCT FANS WITH CIRCULAR CONNECTION

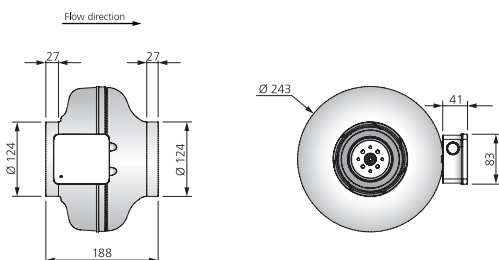
## CK 125 3S 50Hz

### TECHNICAL DATA

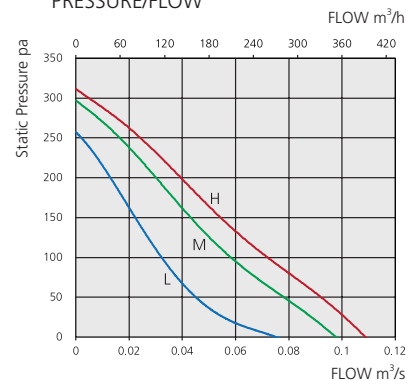


Product name	CK 125 3S	CK 125 3S
Art. no.	1907003902	1007003902
Voltage	230/50	230/50 V/Hz
Voltage range	220-240/50	220-240 /50/60 V/Hz
Phase	1	1 ~
Current	0.3	0.3 A
Power	70	70 W
Speed	2450	2450 RPM
Capacitor	2	2 $\mu$ F
Max temperature of transported air	60	60 $^{\circ}$ C
Sound pressure level at 3m	<ul style="list-style-type: none"> <li>• High speed 40</li> <li>• Middle speed 38</li> <li>• Low speed 30</li> </ul>	38 dB(A)
Weight	2.7	2.7 Kg
Wiring diagram	1404000007	1404000007

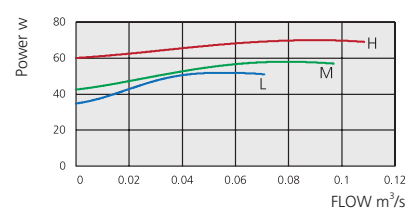
### DIMENSIONS(mm)



### PRESSURE/FLOW



### POWER/FLOW

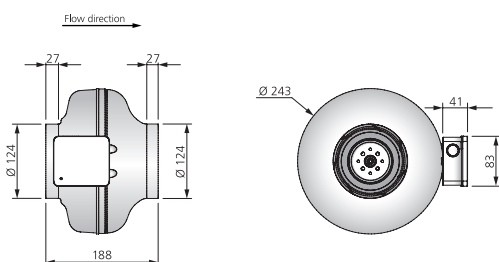


## CK 125 3S 60Hz

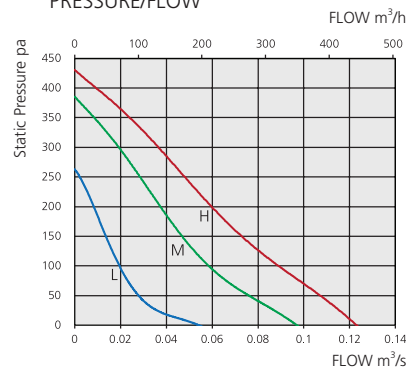
### TECHNICAL DATA

Product name	CK 125 3S
Art. no.	1007003902
Voltage	230/60 V/Hz
Voltage range	220-240 /50/60 V/Hz
Phase	1 ~
Current	0.36 A
Power	82 W
Speed	2740 RPM
Capacitor	2 $\mu$ F
Max temperature of transported air	60 $^{\circ}$ C
Sound pressure level at 3m	<ul style="list-style-type: none"> <li>• High speed 42</li> <li>• Middle speed 36</li> <li>• Low speed 27</li> </ul>
Weight	2.7 Kg
Wiring diagram	1404000007

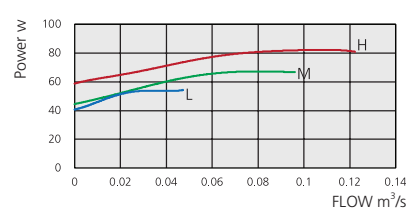
### DIMENSIONS(mm)



### PRESSURE/FLOW

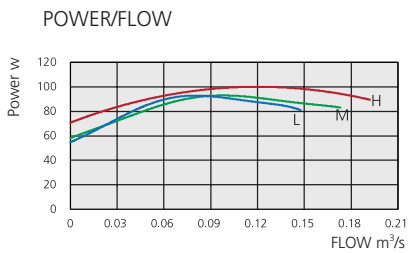
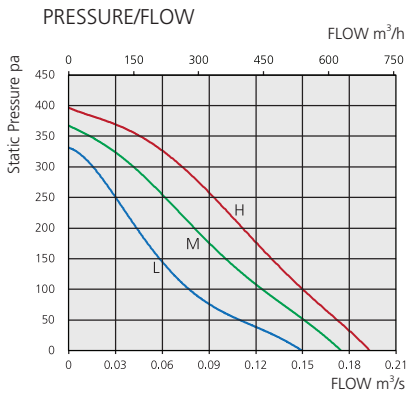


### POWER/FLOW



# CIRCULAR DUCT FANS WITH CIRCULAR CONNECTION

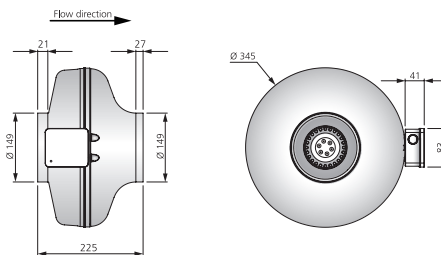
## CK 150 3S 50Hz



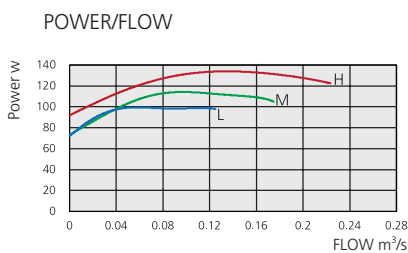
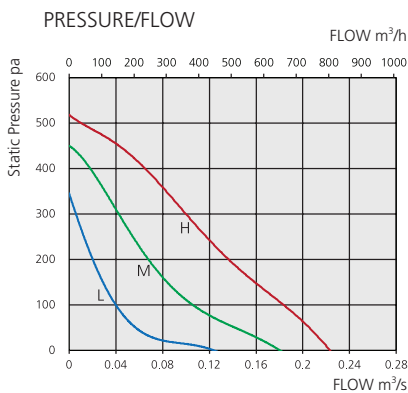
### TECHNICAL DATA

Product name	CK 150 3S	
Art. no.	1007003903	
Voltage	230/50	V/Hz
Voltage range	220-240 /50/60	V/Hz
Phase	1	~
Current	0.44	A
Power	100	W
Speed	2780	RPM
Capacitor	3	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	<ul style="list-style-type: none"> <li>• High speed 44</li> <li>• Middle speed 40</li> <li>• Low speed 35</li> </ul>	dB(A)
Weight	4	Kg
Wiring diagram	1404000007	

### DIMENSIONS(mm)



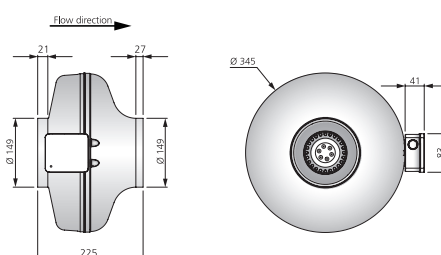
## CK 150 3S 60Hz



### TECHNICAL DATA

Product name	CK 150 3S	
Art. no.	1007003903	
Voltage	230/60	V/Hz
Voltage range	220-240 /50/60	V/Hz
Phase	1	~
Current	0.58	A
Power	134	W
Speed	3000	RPM
Capacitor	3	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	<ul style="list-style-type: none"> <li>• High speed 45</li> <li>• Middle speed 37</li> <li>• Low speed 32</li> </ul>	dB(A)
Weight	4	Kg
Wiring diagram	1404000007	

### DIMENSIONS(mm)





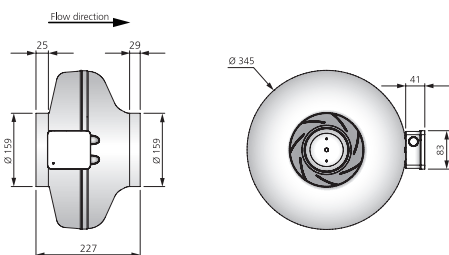
# CIRCULAR DUCT FANS WITH CIRCULAR CONNECTION

CK 160 3S 50Hz

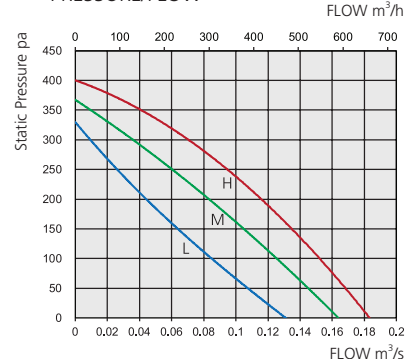
## TECHNICAL DATA

Product name	CK 160 3S	
Art. no.	1007003904	
Voltage	230/50	V/Hz
Voltage range	220-240 /50/60	V/Hz
Phase	1	~
Current	0.45	A
Power	97	W
Speed	2540	RPM
Capacitor	3	μF
Max temperature of transported air	60	°C
Sound pressure level at 3m	<ul style="list-style-type: none"> <li>• High speed 50</li> <li>• Middle speed 48</li> <li>• Low speed 45</li> </ul>	dB(A)
Weight	4.1	Kg
Wiring diagram	1404000007	

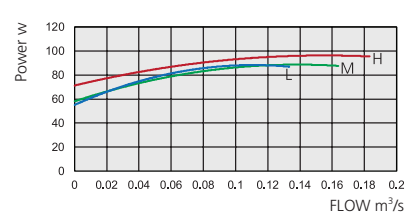
## DIMENSIONS(mm)



## PRESSURE/FLOW



## POWER/FLOW

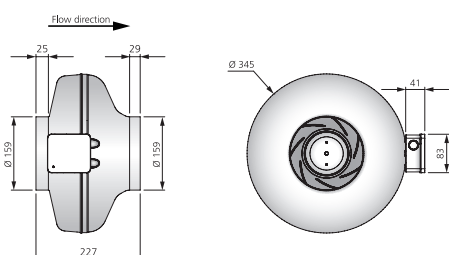


CK 160 3S 60Hz

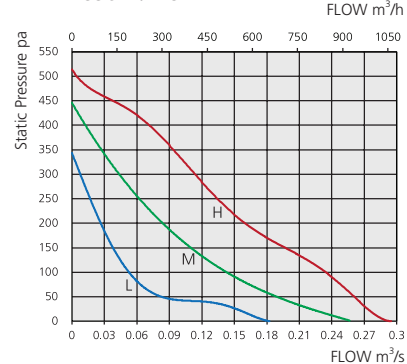
## TECHNICAL DATA

Product name	CK 160 3S	
Art. no.	1007003904	
Voltage	230/60	V/Hz
Voltage range	220-240 /50/60	V/Hz
Phase	1	~
Current	0.53	A
Power	123	W
Speed	2830	RPM
Capacitor	3	μF
Max temperature of transported air	60	°C
Sound pressure level at 3m	<ul style="list-style-type: none"> <li>• High speed 51</li> <li>• Middle speed 47</li> <li>• Low speed 46</li> </ul>	dB(A)
Weight	4.1	Kg
Wiring diagram	1404000007	

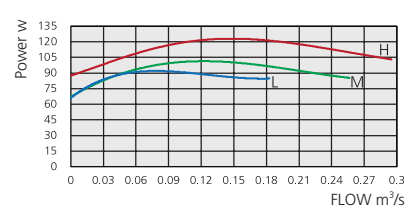
## DIMENSIONS(mm)



## PRESSURE/FLOW

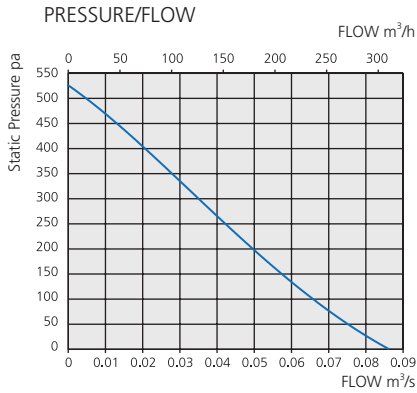


## POWER/FLOW



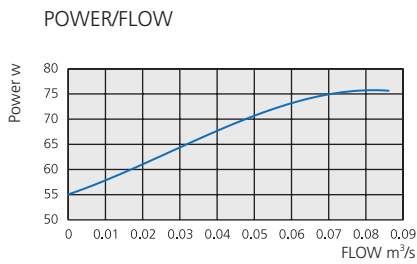
# CIRCULAR DUCT FANS WITH CIRCULAR CONNECTION

## CK 4 C 115V/60Hz

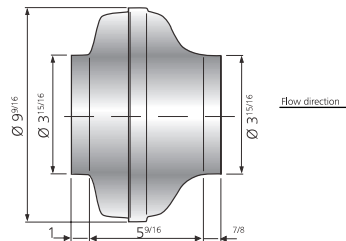


### TECHNICAL DATA

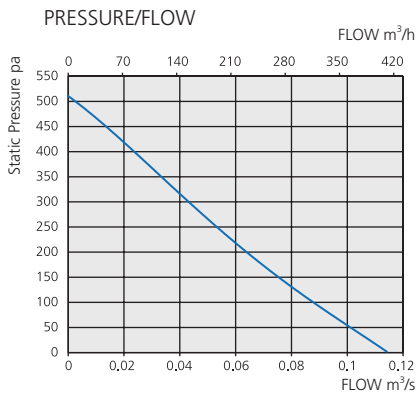
Product name	CK 4 C 115V/60Hz	
Art. no.	1000000053	
Voltage	115/60	V/Hz
Voltage range	110-120 /60	V/Hz
Phase	1	~
Current	0.66	A
Power	76	W
Speed	2770	RPM
Capacitor	8	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	47	dB(A)
Weight	2.6	Kg
Wiring diagram	4040001	



### 尺寸图 (inch)

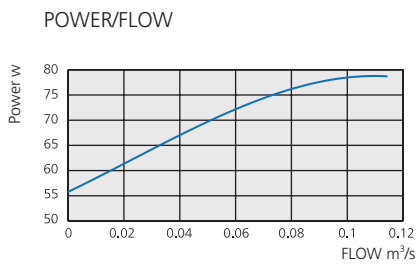


## CK 5 C 115V/60Hz

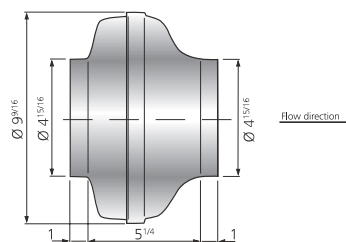


### TECHNICAL DATA

Product name	CK 5 C 115V/60Hz	
Art. no.	1000000054	
Voltage	115/60	V/Hz
Voltage range	110-120 /60	V/Hz
Phase	1	~
Current	0.69	A
Power	79	W
Speed	2670	RPM
Capacitor	8	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	46	dB(A)
Weight	2.7	Kg
Wiring diagram	4040001	



### 尺寸图 (inch)







# LOW PROFILE DUCT FANS WITH CIRCULAR CONNECTIONS

Dimension(mm)

## LPKB 125 A1 AC

Low Profile

Duct fan

Backward curved impeller

AC= Asynchronous fan motor  
EC= Electronically Commutated, low energy, motor

Single phase

Capacity (A/B/C)

### UNINSULATED

LPK is a rectangular duct fan with a very low profile for circular ducts. LPK has forward curved impeller and straight-through. The capacity and efficiency is high and the sound level is low.

The LPKB and LPFB are low profile duct fan with circular connection and proven performance and reliability.

LPKB is available with either AC motor. Airflows up to 925 m<sup>3</sup>/h (0.26 m<sup>3</sup>/s).

LPK ..... Page 24

LPFB ..... Page 30

LPKB 115V/60Hz ..... Page 34

CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

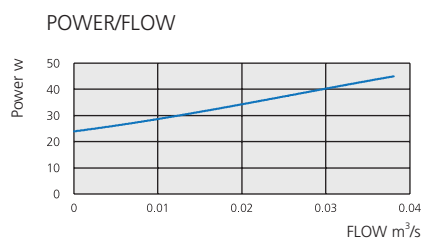
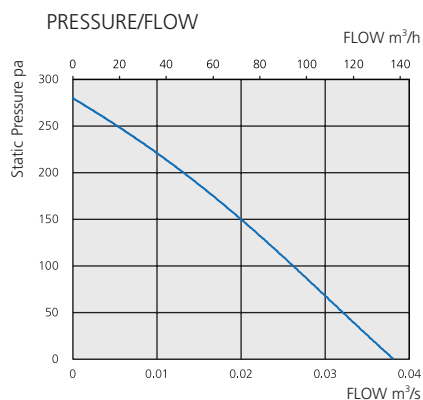
WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS

# LOW PROFILE DUCT FANS WITH CIRCULAR CONNECTIONS

## LPK 100 A1 50Hz

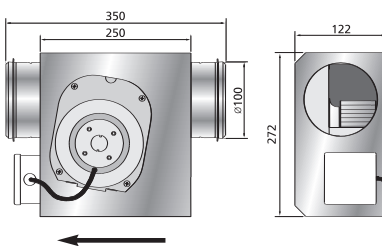


### TECHNICAL DATA

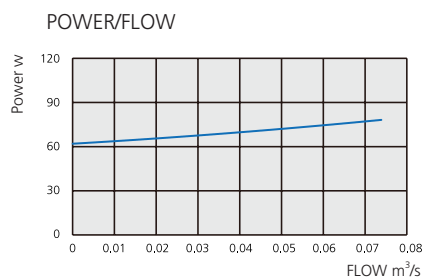
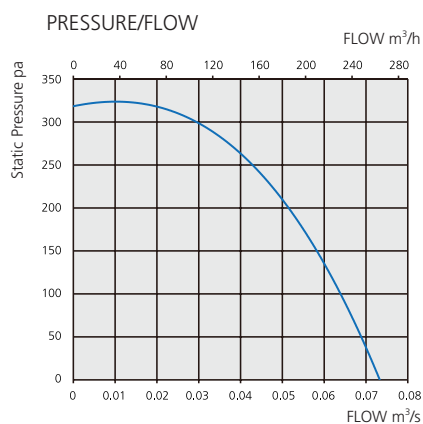
Product name	LPK 100 A1 50Hz	
Art. no.	1007540062	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.21	A
Power	45	W
Speed	*1215	RPM
Capacitor	2	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	40	dB(A)
Weight	3.9	Kg
Wiring diagram	4040002	

\* Speed explanation: Nominal fan speed is measured at zero suction pressure.

### DIMENSIONS(mm)



## LPK 100 B1 50Hz

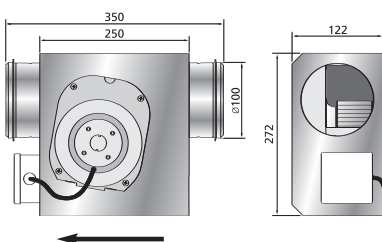


### TECHNICAL DATA

Product name	LPK 100 B1 50Hz	
Art. no.	1007540063	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.34	A
Power	77	W
Speed	*1900	RPM
Capacitor	2	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	49	dB(A)
Weight	3.9	Kg
Wiring diagram	4040001	

\* Speed explanation: Nominal fan speed is measured at zero suction pressure.

### DIMENSIONS(mm)





# LOW PROFILE DUCT FANS WITH CIRCULAR CONNECTIONS

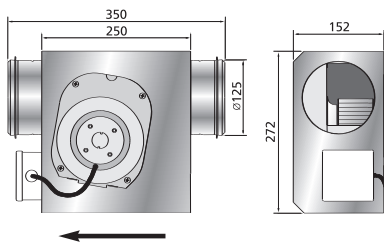
LPK 125 A1

## TECHNICAL DATA

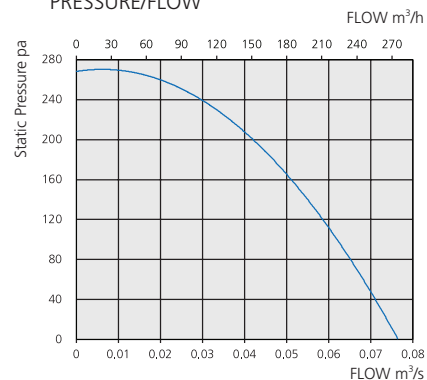
Product name	LPK 125 A1	
Art. no.	1007540064	
Voltage	230/50	V/Hz
Voltage range	220-240 /50/60	V/Hz
Phase	1	~
Current	0.22	A
Power	51	W
Speed	*1100	RPM
Capacitor	4	µF
Max temperature of transported air	60	C
Sound pressure level at 3m	43	dB(A)
Weight	4.3	Kg
Wiring diagram	4040002	

\* Speed explanation: Nominal fan speed is measured at zero suction pressure.

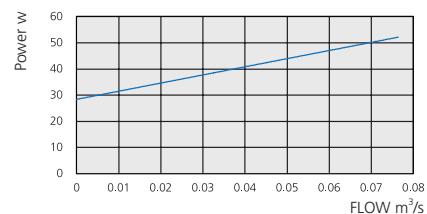
## DIMENSIONS(mm)



## PRESSURE/FLOW



## POWER/FLOW



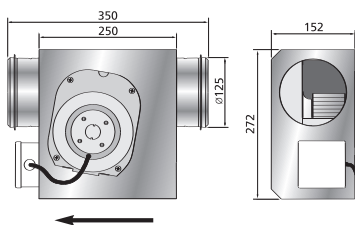
LPK 125 B1

## TECHNICAL DATA

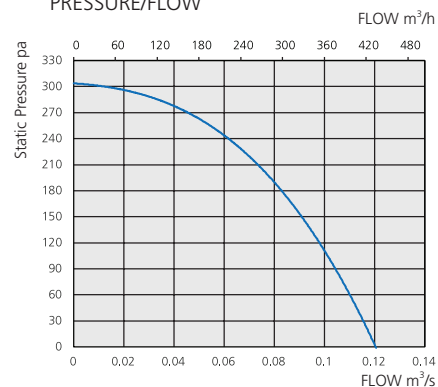
Product name	LPK 125 B1	
Art. no.	1007540065	
Voltage	230/50	V/Hz
Voltage range	220-240 /50/60	V/Hz
Phase	1	~
Current	0.38	A
Power	88	W
Speed	*1600	RPM
Capacitor	2.5	µF
Max temperature of transported air	60	C
Sound pressure level at 3m	49	dB(A)
Weight	4.3	Kg
Wiring diagram	4040001	

\* Speed explanation: Nominal fan speed is measured at zero suction pressure.

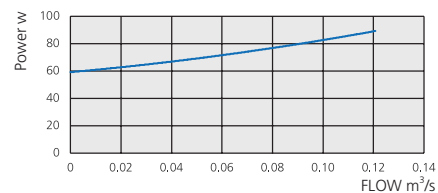
## DIMENSIONS(mm)



## PRESSURE/FLOW

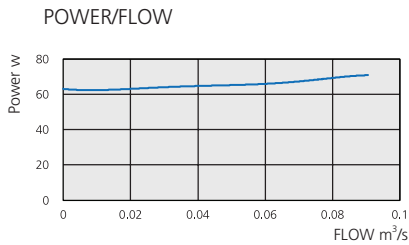
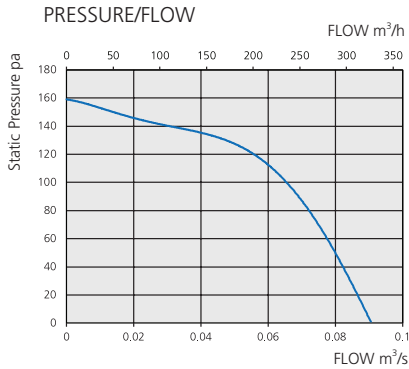


## POWER/FLOW



# LOW PROFILE DUCT FANS WITH CIRCULAR CONNECTIONS

## LPK 125 B1-c 50Hz

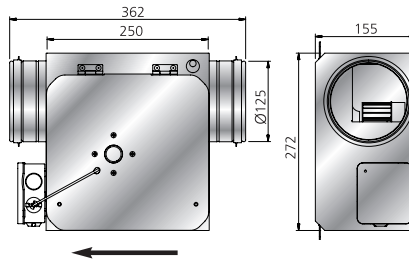


### TECHNICAL DATA

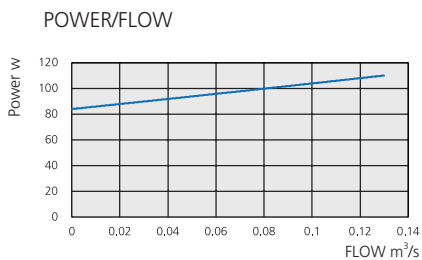
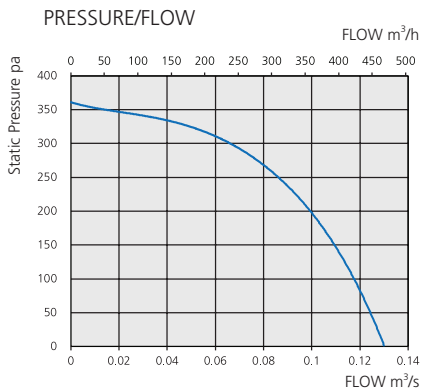
Product name	LPK 125 B1-c 50Hz	
Art. no.	100000019	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.32	A
Power	71	W
Speed	*1310	RPM
Capacitor	2	µF
Max temperature of transported air	55	°C
Sound pressure level at 3m	44	dB(A)
Weight	4.98	Kg
Wiring diagram	4040001	

\* Speed explanation: Nominal fan speed is measured at zero suction pressure.

### DIMENSIONS(mm)



## LPK 160 B1 50Hz

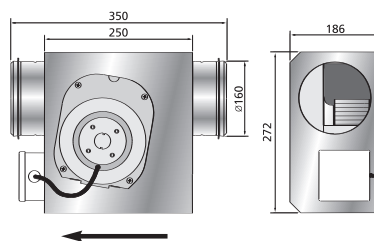


### TECHNICAL DATA

Product name	LPK 160 B1 50Hz	
Art. no.	1007540066	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.48	A
Power	110	W
Speed	*1750	RPM
Capacitor	4	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	48	dB(A)
Weight	4.9	Kg
Wiring diagram	4040001	

\* Speed explanation: Nominal fan speed is measured at zero suction pressure.

### DIMENSIONS(mm)





# LOW PROFILE DUCT FANS WITH CIRCULAR CONNECTIONS

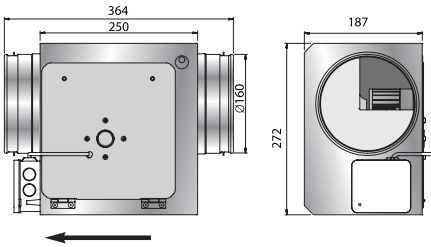
LPK 160 B1-c

## TECHNICAL DATA

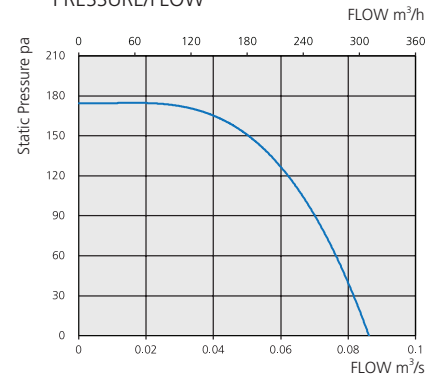
Product name	LPK 160 B1-c	
Art. no.	100000022	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.42	A
Power	92	W
Speed	*1318	RPM
Capacitor	2	µF
Max temperature of transported air	60	C
Sound pressure level at 3m	44	dB(A)
Weight	5.1	Kg
Wiring diagram	4040001	

\* Speed explanation: Nominal fan speed is measured at zero suction pressure.

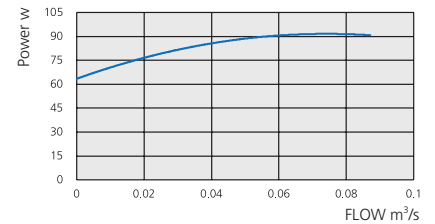
## DIMENSIONS(mm)



## PRESSURE/FLOW



## POWER/FLOW



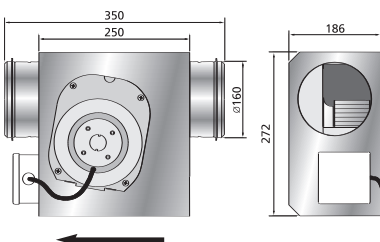
LPK 160 D1 50Hz

## TECHNICAL DATA

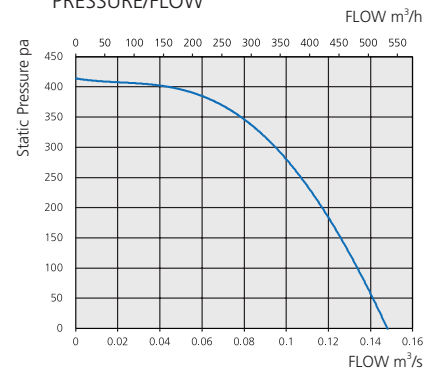
Product name	LPK 160 D1 50Hz	
Art. no.	1007540067	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.72	A
Power	162	W
Speed	*2150	RPM
Capacitor	3	µF
Max temperature of transported air	60	C
Sound pressure level at 3m	51	dB(A)
Weight	5.1	Kg
Wiring diagram	4040001	

\* Speed explanation: Nominal fan speed is measured at zero suction pressure.

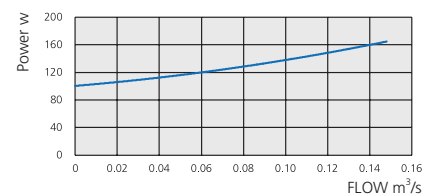
## DIMENSIONS(mm)



## PRESSURE/FLOW



## POWER/FLOW



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

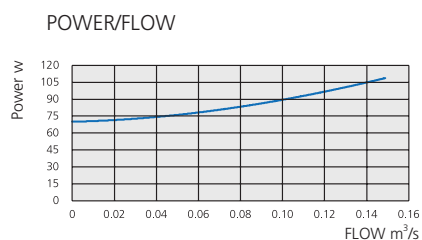
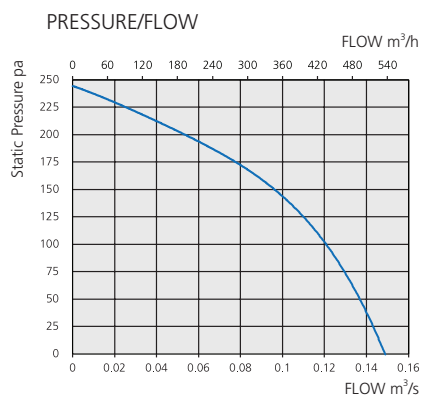
WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS

# LOW PROFILE DUCT FANS WITH CIRCULAR CONNECTIONS

## LPK 200 A1 50Hz

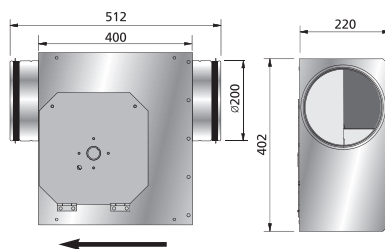


### TECHNICAL DATA

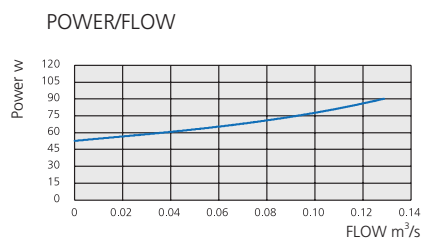
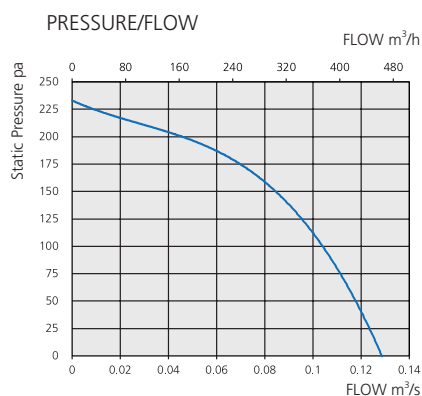
Product name	LPK 200 A1 50Hz	
Art. no.	1007540052	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.48	A
Power	110	W
Speed	*1000	RPM
Capacitor	3	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	46	dB(A)
Weight	9.9	Kg
Wiring diagram	4040001	

\* Speed explanation: Nominal fan speed is measured at zero suction pressure.

### DIMENSIONS(mm)



## LPK 200 A1-c 50Hz

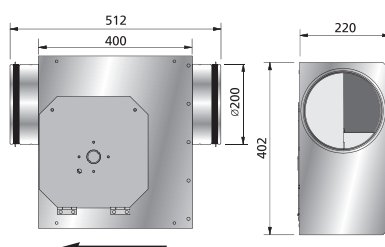


### TECHNICAL DATA

Product name	LPK 200 A1-c 50Hz	
Art. no.	1000000021	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.38	A
Power	90	W
Speed	*1053	RPM
Capacitor	2	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	45	dB(A)
Weight	9.9	Kg
Wiring diagram	4040001	

\* Speed explanation: Nominal fan speed is measured at zero suction pressure.

### DIMENSIONS(mm)





# LOW PROFILE DUCT FANS WITH CIRCULAR CONNECTIONS

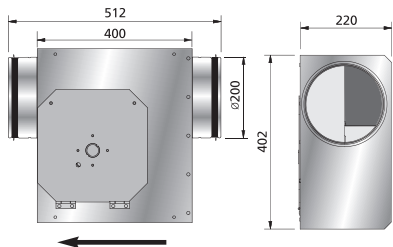
## LPK 200 B1 50Hz

### TECHNICAL DATA

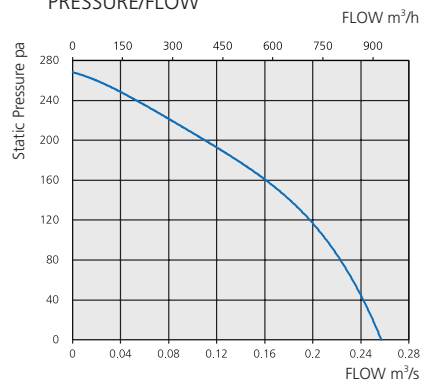
Product name	LPK 200 B1 50Hz	
Art. no.	1007540053	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.55	A
Power	121	W
Speed	*1100	RPM
Capacitor	4	μF
Max temperature of transported air	60	C
Sound pressure level at 3m	46	dB(A)
Weight	10.5	Kg
Wiring diagram	4040001	

\* Speed explanation: Nominal fan speed is measured at zero suction pressure.

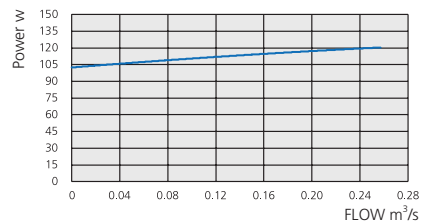
### DIMENSIONS(mm)



### PRESSURE/FLOW



### POWER/FLOW



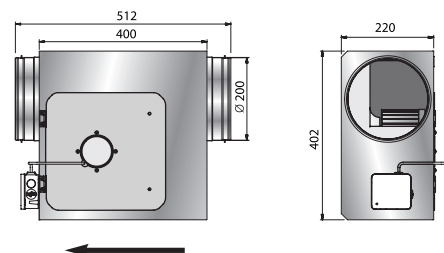
## LPK 200 B1-c 50Hz

### TECHNICAL DATA

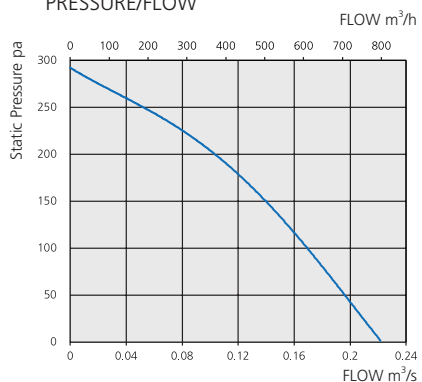
Product name	LPK 200 B1-c 50Hz	
Art. no.	1000000023	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.78	A
Power	164	W
Speed	*1319	RPM
Capacitor	3.5	μF
Max temperature of transported air	60	C
Sound pressure level at 3m	48	dB(A)
Weight	11	Kg
Wiring diagram	4040005	

\* Speed explanation: Nominal fan speed is measured at zero suction pressure.

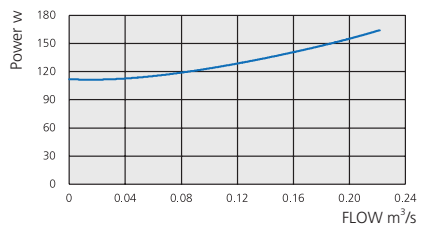
### DIMENSIONS(mm)



### PRESSURE/FLOW

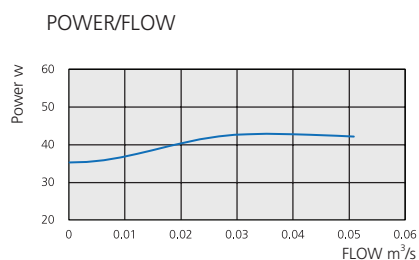
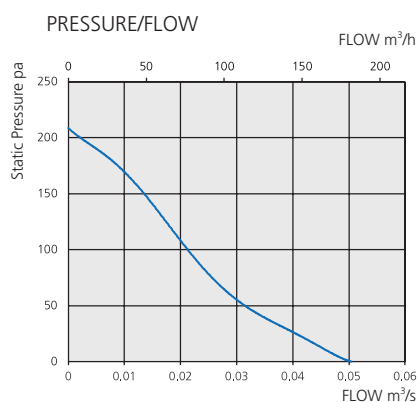
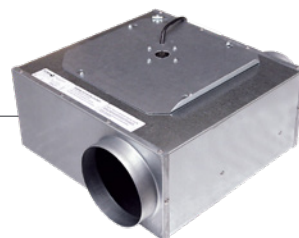


### POWER/FLOW



# LOW PROFILE DUCT FANS WITH CIRCULAR CONNECTIONS

## LPFB 100 A1

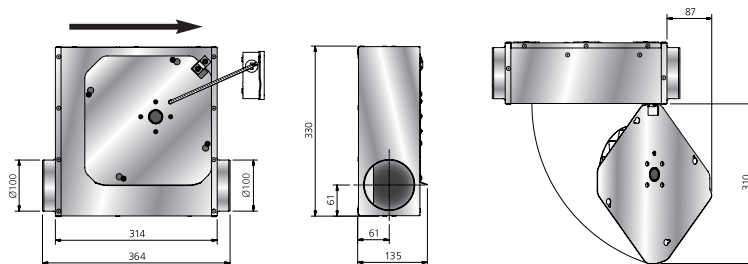


### TECHNICAL DATA

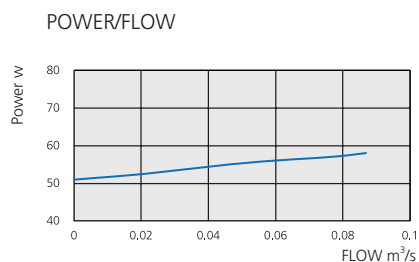
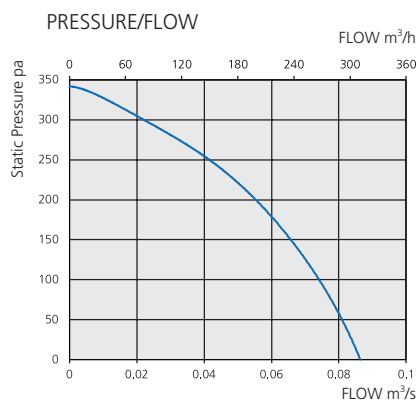


	LPFB 100 A1	LPFB 100 A1	
Product name	LPFB 100 A1	LPFB 100 A1	
Art. no.	1907540278	1007540278	
Voltage	230/50	230/50	V/Hz
Voltage range	220-240 /50	220-240 /50/60	V/Hz
Phase	1	1	~
Current	0.2	0.2	A
Power	43	43	W
Speed	1410	1410	RPM
Capacitor	1	1	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	33	33	dB(A)
Weight	4.7	4.7	Kg
Wiring diagram	4040002	4040002	

### DIMENSIONS(mm)



## LPFB 100 C1

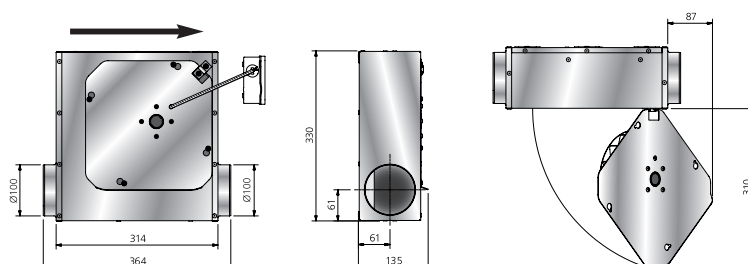


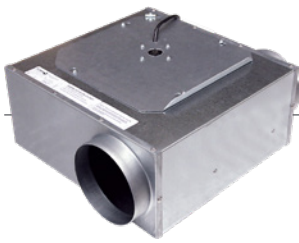
### TECHNICAL DATA



	LPFB 100 C1	LPFB 100 C1	
Product name	LPFB 100 C1	LPFB 100 C1	
Art. no.	1907540280	1007540280	
Voltage	230/50	230/50	V/Hz
Voltage range	220-240 /50	220-240 /50/60	V/Hz
Phase	1	1	~
Current	0.25	0.25	A
Power	58	58	W
Speed	2600	2600	RPM
Capacitor	2	2	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	46	46	dB(A)
Weight	4.7	4.7	Kg
Wiring diagram	4040001	4040001	

### DIMENSIONS(mm)





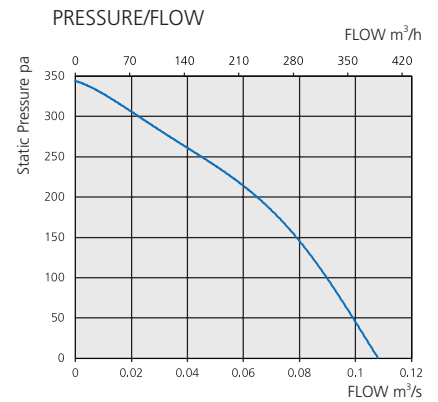
# LOW PROFILE DUCT FANS WITH CIRCULAR CONNECTIONS

LPFB 125 C1

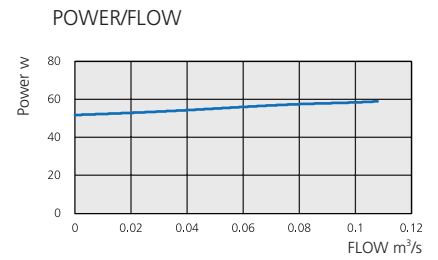
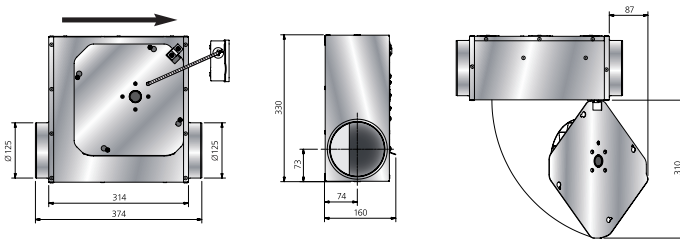
## TECHNICAL DATA



Product name	LPFB 125 C1	LPFB 125 C1	
Art. no.	1907540282	1007540282	
Voltage	230/50	230/50	V/Hz
Voltage range	220-240 /50	220-240 /50/60	V/Hz
Phase	1	1	~
Current	0.26	0.26	A
Power	59	59	W
Speed	2570	2570	RPM
Capacitor	2	2	μF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	47	47	dB(A)
Weight	5	5	Kg
Wiring diagram	4040001	4040001	



## DIMENSIONS(mm)



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

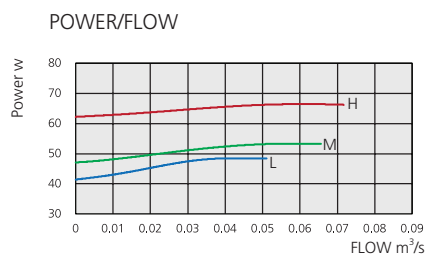
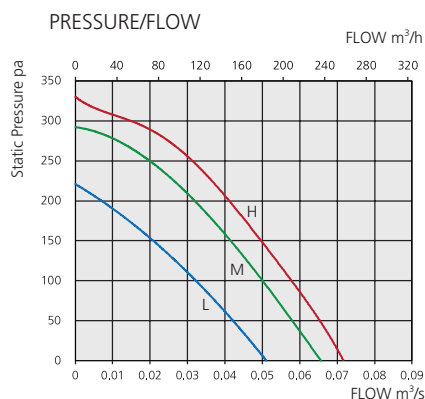
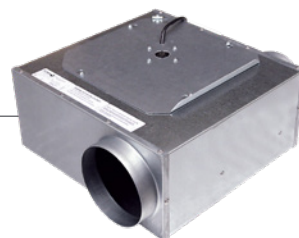
WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS

# LOW PROFILE DUCT FANS WITH CIRCULAR CONNECTIONS

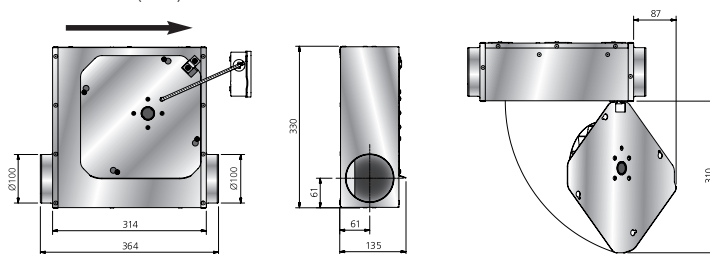
## LPFB 100 3S



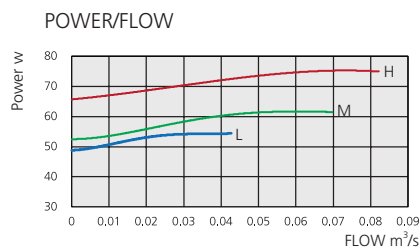
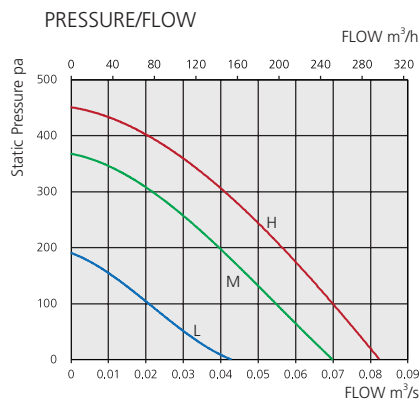
### TECHNICAL DATA

	LPFB 100 3S	LPFB 100 3S	
Product name	LPFB 100 3S	LPFB 100 3S	
Art. no.	1907540008	1007540008	
Voltage	230/50	230/50	V/Hz
Voltage range	220-240/50	220-240 /50/60	V/Hz
Phase	1	1	~
Current	0.3	0.3	A
Power	66	66	W
Speed	2550	2550	RPM
Capacitor	2	2	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	• High speed	47	47
	• Middle speed	45	45
	• Low speed	40	40
Weight	4.7	4.7	Kg
Wiring diagram	1404000007	1404000007	

### DIMENSIONS(mm)



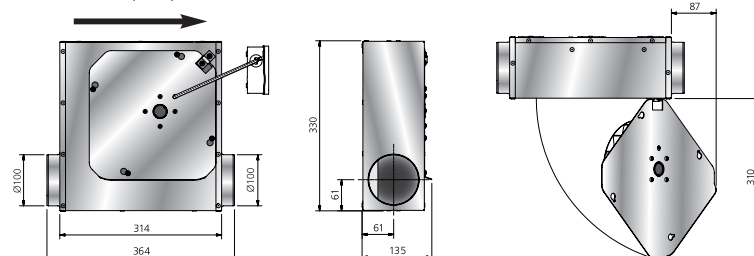
## LPFB 100 3S

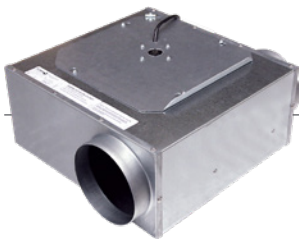


### TECHNICAL DATA

	LPFB 100 3S	
Product name	LPFB 100 3S	
Art. no.	1007540008	
Voltage	230/60	V/Hz
Voltage range	220-240 /50/60	V/Hz
Phase	1	~
Current	0.33	A
Power	76	W
Speed	2914	RPM
Capacitor	2	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	• High speed	50
	• Middle speed	46
	• Low speed	35
Weight	4.7	Kg
Wiring diagram	1404000007	

### DIMENSIONS(mm)





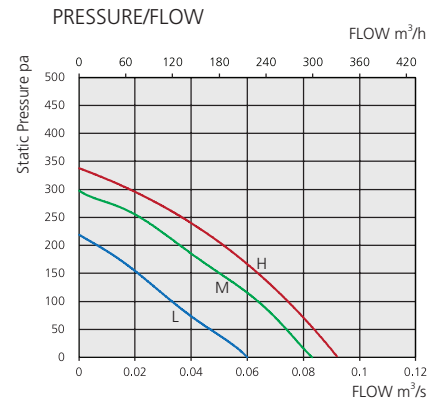
# LOW PROFILE DUCT FANS WITH CIRCULAR CONNECTIONS

LPFB 125 3S

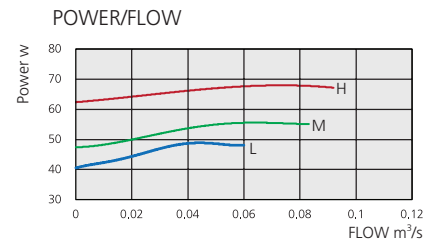
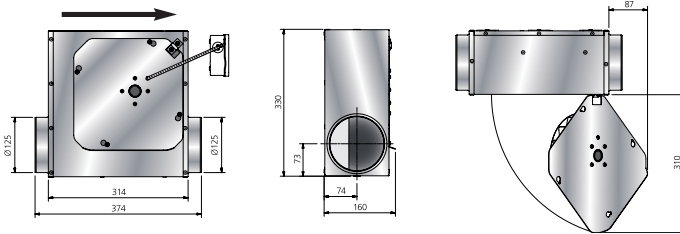
## TECHNICAL DATA



Product name	LPFB 125 3S	LPFB 125 3S	
Art. no.	1907540009	1007540009	
Voltage	220/50	220/50	V/Hz
Voltage range	220-240/50	220-240 /50/60	V/Hz
Phase	1	1	~
Current	0.3	0.3	A
Power	67	67	W
Speed	2515	2515	RPM
Capacitor	2	2	µF
Max temperature of transported air	60	60	C
Sound pressure level at 3m	<ul style="list-style-type: none"> <li>• High speed 47</li> <li>• Middle speed 44</li> <li>• Low speed 38</li> </ul>	<ul style="list-style-type: none"> <li>• High speed 47</li> <li>• Middle speed 44</li> <li>• Low speed 38</li> </ul>	dB(A)
Weight	5	5	Kg
Wiring diagram	1404000007	1404000007	



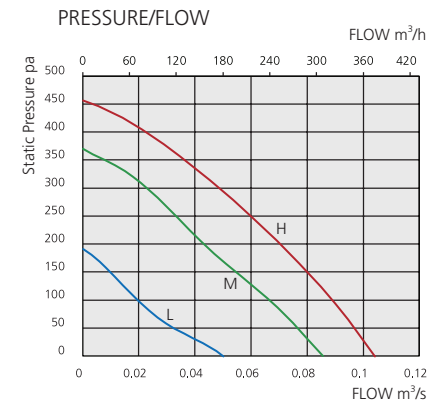
## DIMENSIONS(mm)



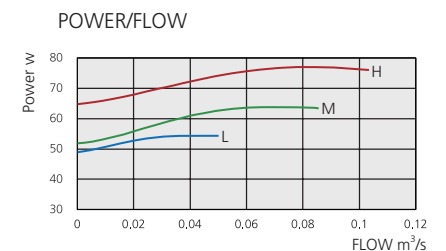
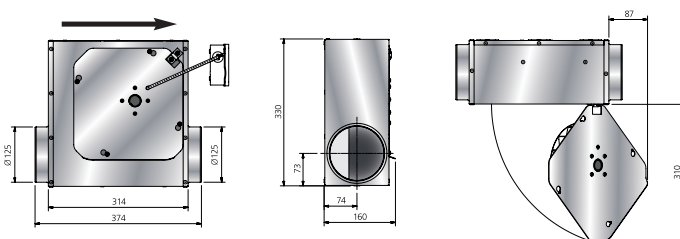
LPFB 125 3S

## TECHNICAL DATA

Product name	LPFB 125 3S	
Art. no.	1007540009	
Voltage	230/60	V/Hz
Voltage range	220-240 /50/60	V/Hz
Phase	1	~
Current	0.33	A
Power	77	W
Speed	2857	RPM
Capacitor	2	µF
Max temperature of transported air	60	C
Sound pressure level at 3m	<ul style="list-style-type: none"> <li>• High speed 49</li> <li>• Middle speed 46</li> <li>• Low speed 33</li> </ul>	dB(A)
Weight	5	Kg
Wiring diagram	1404000007	



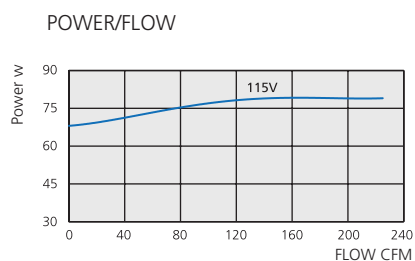
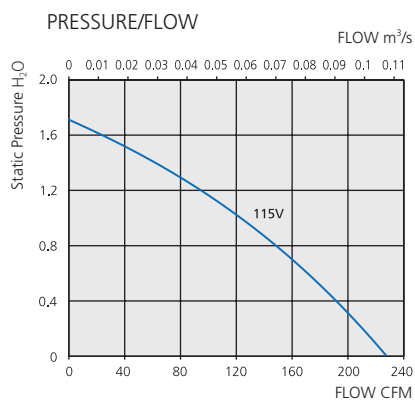
## DIMENSIONS(mm)



CIRCULAR CK  
LOW PROFILE LPK  
INSULATED IRE  
RECTANGULAR RK  
BOX FAN FBS  
RADIAL FANS  
ATEX FANS  
WALL FANS  
MECHANICAL ACCESSORIES  
GENERAL FAN FACTS

# LOW PROFILE DUCT FANS WITH CIRCULAR CONNECTIONS

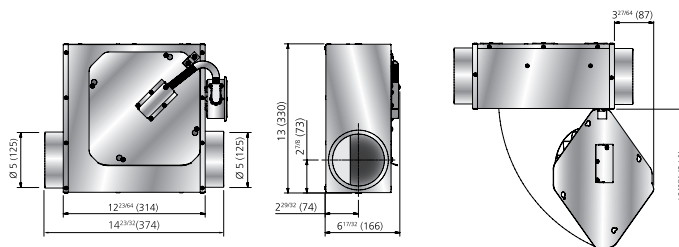
## LPKB 5B UL 507



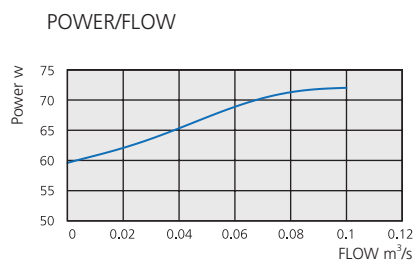
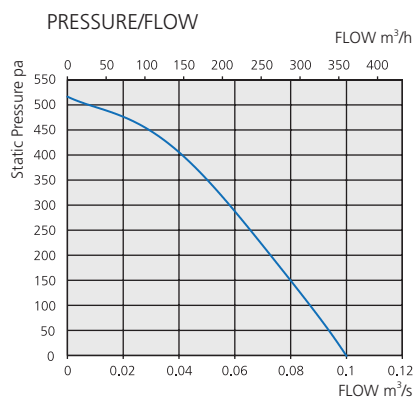
### TECHNICAL DATA

Product name	LPKB 5B UL 507	
Art. no.	1007549512	
Voltage	115/60	V/Hz
Voltage range	110-120 /60	V/Hz
Phase	1	~
Current	0.7	A
Power	79	W
Speed	2820	RPM
Capacitor	8	µF
Max temperature of transported air	60	C
Insulation class motor	F	-
Motor protection	IP 44	-
Sound pressure level at 3m	50	dB(A)
Weight	5.5	Kg
Wiring diagram	4040197	

### DIMENSIONS Inch(mm)



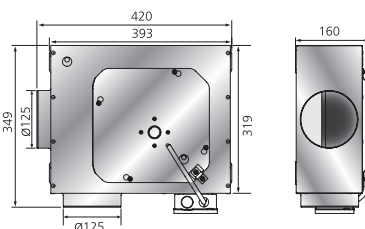
## LPKB 5B L 115V/60Hz



### TECHNICAL DATA

Product name	LPKB 5B L 115V/60Hz	
Art. no.	1000000055	
Voltage	115/60	V/Hz
Voltage range	110-120 /60	V/Hz
Phase	1	~
Current	0.63	A
Power	72	W
Speed	2835	RPM
Capacitor	8	µF
Max temperature of transported air	60	C
Sound pressure level at 3m	47	dB(A)
Weight	5.8	Kg
Wiring diagram	4040001	

### DIMENSIONS(mm)





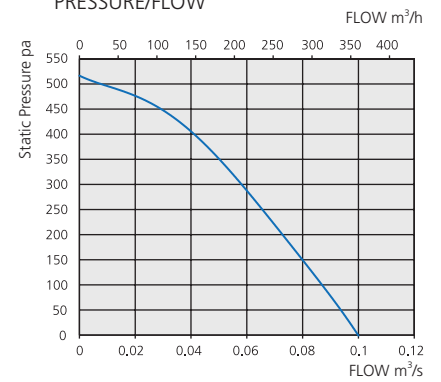
# LOW PROFILE DUCT FANS WITH CIRCULAR CONNECTIONS

LPKB 5B R 115V/60Hz

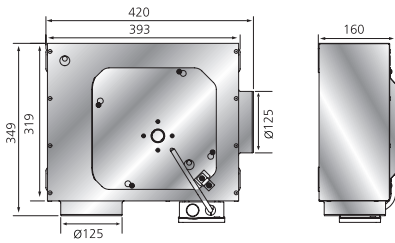
## TECHNICAL DATA

Product name	LPKB 5B R 115V/60Hz	
Art. no.	1000000056	
Voltage	115/60	V/Hz
Voltage range	110-120 /60	V/Hz
Phase	1	~
Current	0.63	A
Power	72	W
Speed	2835	RPM
Capacitor	8	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	47	dB(A)
Weight	5.8	Kg
Wiring diagram	4040001	

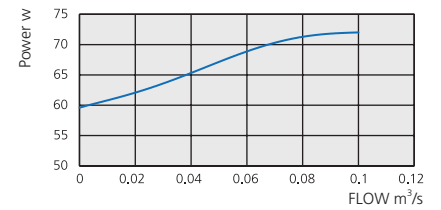
## PRESSURE/FLOW



## DIMENSIONS(mm)



## POWER/FLOW



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS



# INSULATED DUCT FANS WITH CIRCULAR/RECTANGULAR CONNECTIONS



Dimension(mm)

**IRE 250 C1 AC**

AC= Asynchronous fan motor

1=Single phase  
3= 3-phase

Capacity (A/B/C/D/E/F/I)

Insulated  
Radial  
With scroll(E/F)

## INSULATED

Equipped with 50 mm of thermal and acoustic insulation the IRE is ideal for handling cold air. The design prioritise functionality, durability and lifetime. With two different connections, circular connection and rectangular connection. IRE is available with AC motor. Airflows up to 5940m<sup>3</sup>/h (1.65 m<sup>3</sup>/s).

IRF, insulated in-line duct fan, is designed for high pressure and reliable performance. Airflows up to 450m<sup>3</sup>/h (0.13 m<sup>3</sup>/s).

IRE (with circular connections) ..... Page 38

IRE (with rectangular connections) ..... Page 46

IRF ..... Page 50

CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

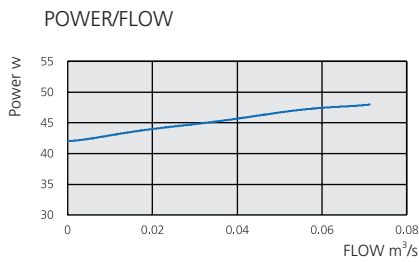
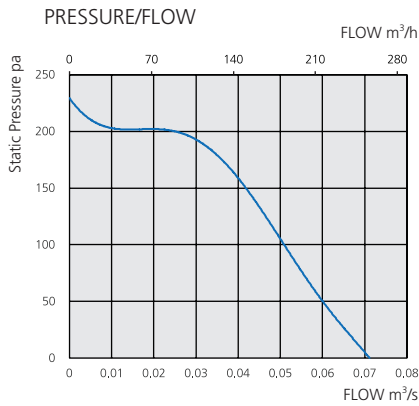
WALL FANS

MECHANICAL ACCESSORIES

GENERAL FAN FACTS

# INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

## IRE 125 A1 50Hz

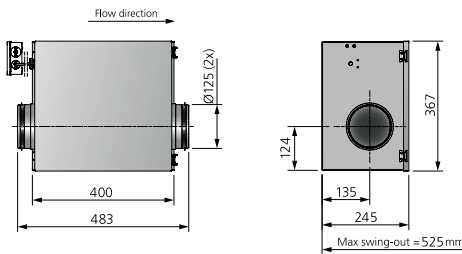


### TECHNICAL DATA

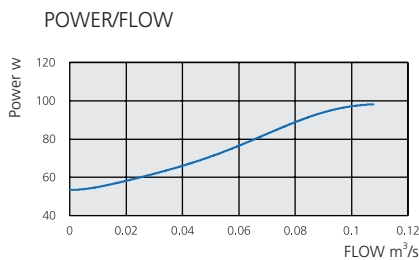
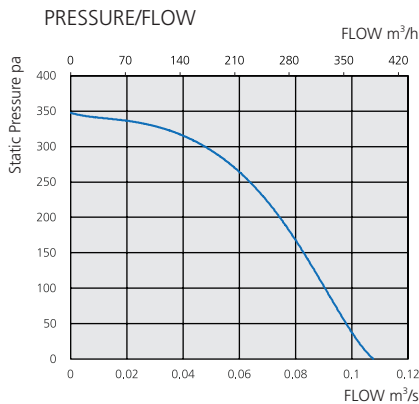


Product name	IRE 125 A1	IRE 125 A1 50Hz	
Art. no.	1907900073	1007900073	
Voltage	230/50	230/50	V/Hz
Voltage range	220-240 /50	220-240 /50	V/Hz
Phase	1	1	~
Current	0.21	0.21	A
Power	48	48	W
Speed	1130	1130	RPM
Capacitor	4	4	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	28	28	dB(A)
Weight	9.7	9.7	Kg
Wiring diagram	4040002	4040002	

### DIMENSIONS(mm)



## IRE 125 B1 50Hz

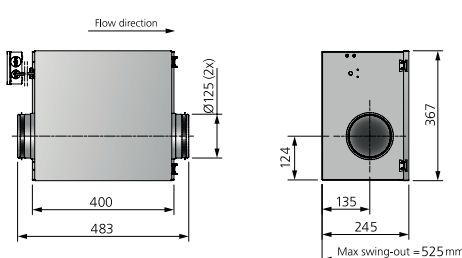


### TECHNICAL DATA



Product name	IRE 125 B1	IRE 125 B1 50Hz	
Art. no.	1907900075	1007900075	
Voltage	230/50	230/50	V/Hz
Voltage range	220-240 /50	220-240 /50	V/Hz
Phase	1	1	~
Current	0.42	0.42	A
Power	99	99	W
Speed	1650	1650	RPM
Capacitor	2	2	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	35	35	dB(A)
Weight	9.7	9.7	Kg
Wiring diagram	4040001	4040001	

### DIMENSIONS(mm)





# INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

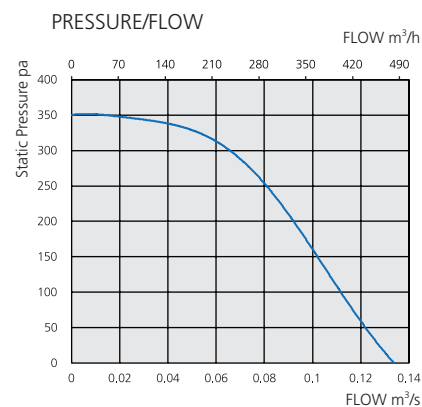
IRE 125 C1 50Hz



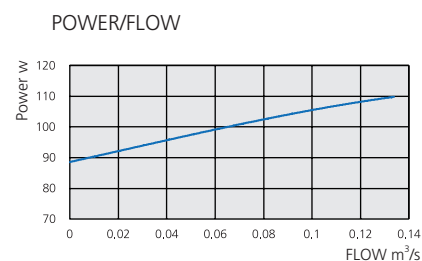
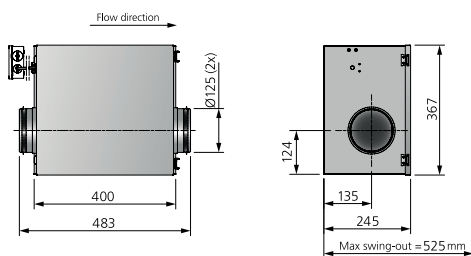
## TECHNICAL DATA



Product name	IRE 125 C1	IRE 125 C1 50Hz	
Art. no.	1907900077	1007900077	
Voltage	230/50	230/50	V/Hz
Voltage range	220-240 /50	220-240 /50	V/Hz
Phase	1	1	~
Current	0.48	0.48	A
Power	110	110	W
Speed	1850	1850	RPM
Capacitor	4	4	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	37	37	dB(A)
Weight	9.7	9.7	Kg
Wiring diagram	4040001	4040001	



## DIMENSIONS(mm)

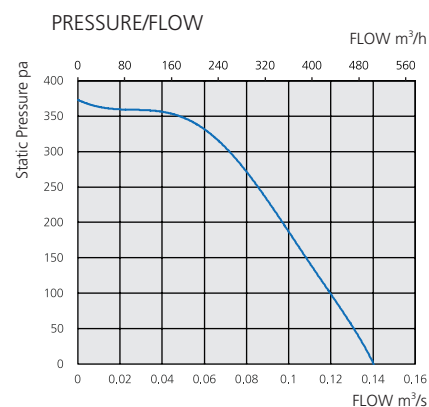


IRE 160 C1 50Hz

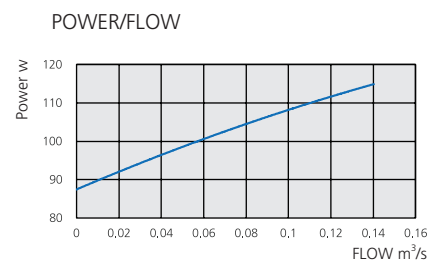
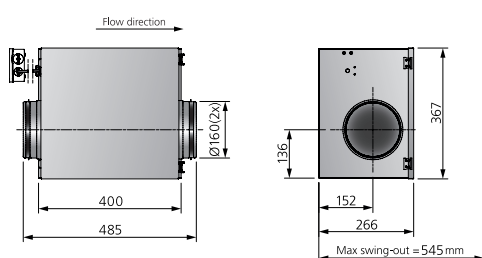
## TECHNICAL DATA



Product name	IRE 160 C1	IRE 160 C1 50Hz	
Art. no.	1907900084	1007900084	
Voltage	230/50	230/50	V/Hz
Voltage range	220-240 /50	220-240 /50	V/Hz
Phase	1	1	~
Current	0.51	0.51	A
Power	115	115	W
Speed	1850	1850	RPM
Capacitor	4	4	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	37	37	dB(A)
Weight	10.1	10.1	Kg
Wiring diagram	4040001	4040001	

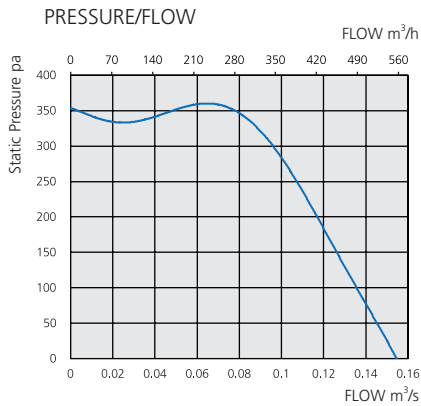


## DIMENSIONS(mm)



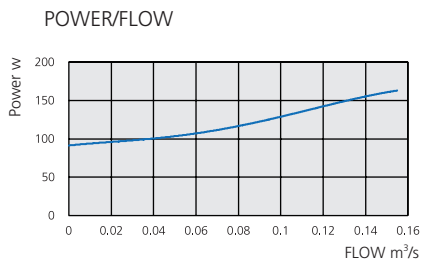
# INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

## IRE 160 D1 50Hz

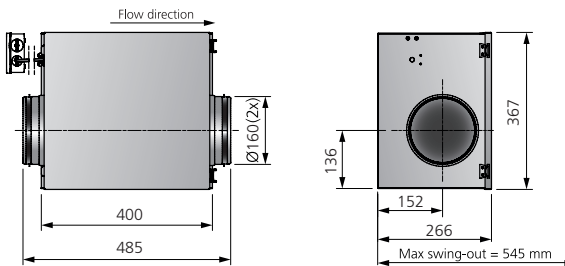


### TECHNICAL DATA

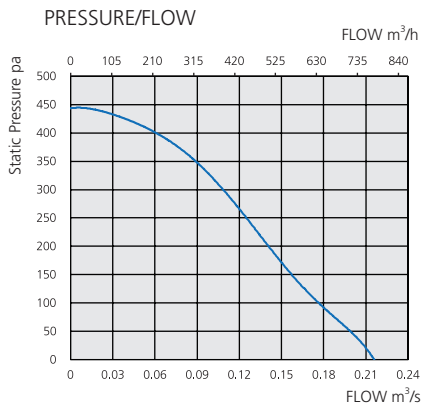
Product name	IRE 160 D1 50Hz	
Art. no.	1007900086	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.72	A
Power	164	W
Speed	2200	RPM
Capacitor	3	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	43	dB(A)
Weight	10.3	Kg
Wiring diagram	4040001	



### DIMENSIONS(mm)

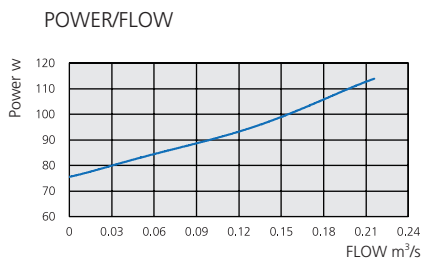


## IRE 200 B1

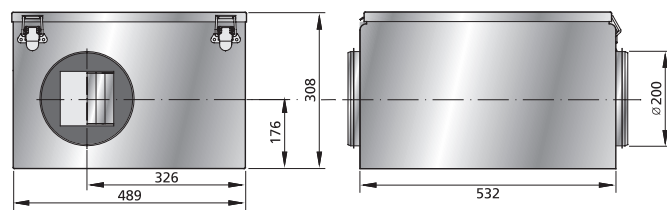


### TECHNICAL DATA

Product name	IRE 200 B1	
Art. no.	1007900088	
Voltage	230/50	V/Hz
Voltage range	220-240 /50/60	V/Hz
Phase	1	~
Current	0.5	A
Power	114	W
Speed	2540	RPM
Capacitor	4	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	42	dB(A)
Weight	16.8	Kg
Wiring diagram	4040001	



### DIMENSIONS(mm)





# INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS



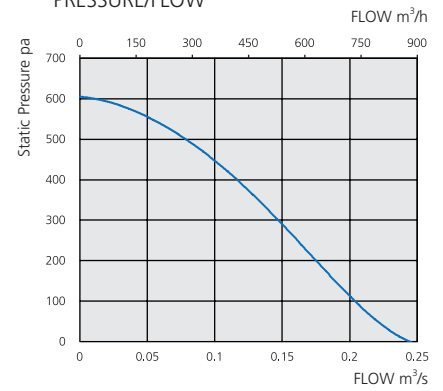
IRE 200 D1 50Hz

## TECHNICAL DATA

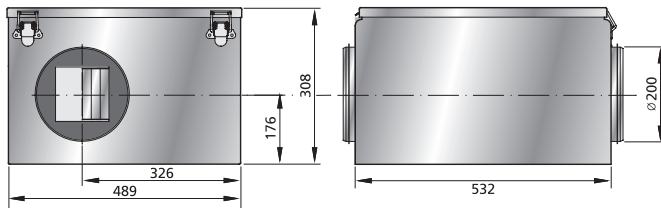


Product name	IRE 200 D1	IRE 200 D1 50Hz	
Art. no.	1907900090	1007900090	
Voltage	230/50	230/50	V/Hz
Voltage range	220-240 /50	220-240 /50	V/Hz
Phase	1	1	~
Current	0.72	0.72	A
Power	166	166	W
Speed	2600	2600	RPM
Capacitor	3	3	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	42	42	dB(A)
Weight	17.5	17.5	Kg
Wiring diagram	4040001	4040001	

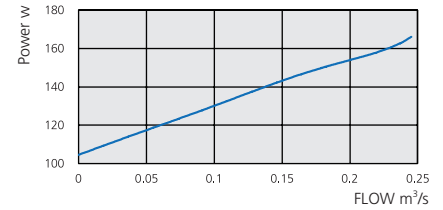
## PRESSURE/FLOW



## DIMENSIONS(mm)



## POWER/FLOW



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

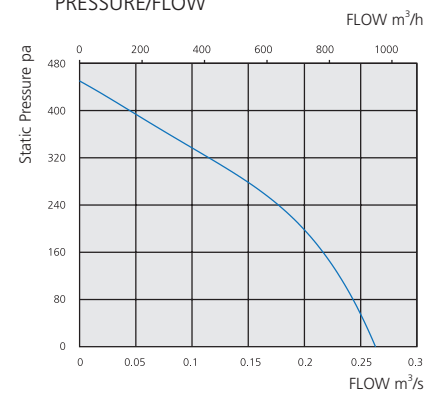


IRE 250 C1 50Hz

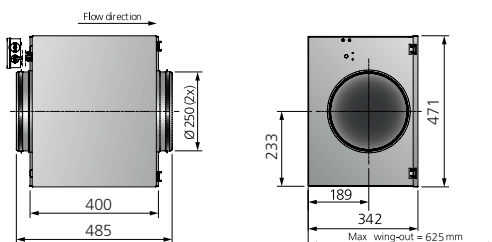
## TECHNICAL DATA

Product name	IRE 250 C1 50Hz	
Art. no.	1007900095	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	1.1	A
Power	249	W
Speed	2030	RPM
Capacitor	5	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	42.5	dB(A)
Weight	15	Kg
Wiring diagram	4040001	

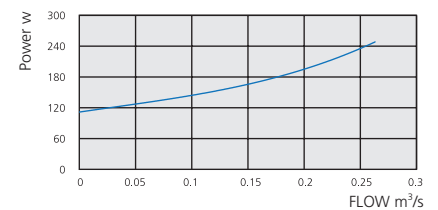
## PRESSURE/FLOW



## DIMENSIONS(mm)



## POWER/FLOW



RADIAL FANS

ATEX FANS

WALL FANS

MECHANICAL ACCESSORIES

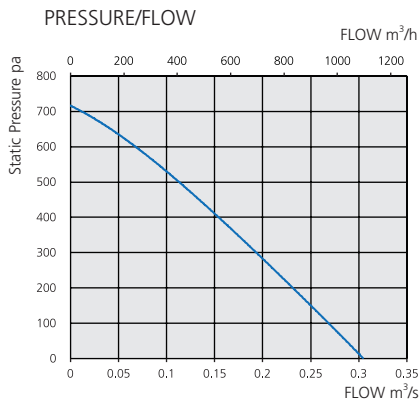
GENERAL FAN FACTS

# INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

## IRE 250 E1

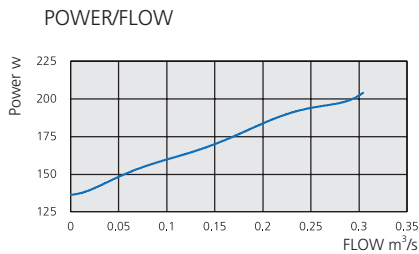


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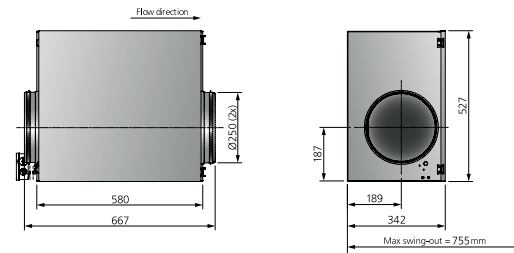


### TECHNICAL DATA

Product name	IRE 250 E1	
Art. no.	1007900098	
Voltage	230/50	V/Hz
Voltage range	220-240 /50/60	V/Hz
Phase	1	~
Current	0.92	A
Power	204	W
Speed	2420	RPM
Capacitor	5	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	44	dB(A)
Weight	19.9	Kg
Wiring diagram	4040001	



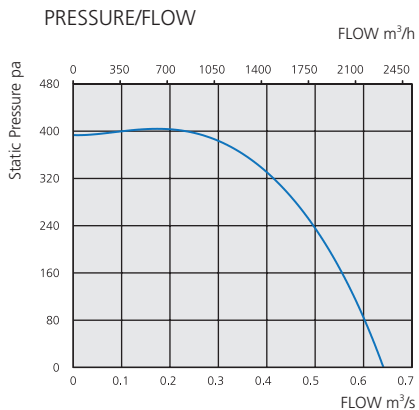
### DIMENSIONS(mm)



## IRE 315 B1 50Hz

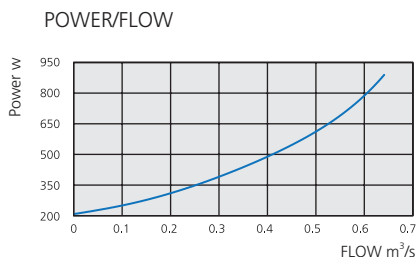


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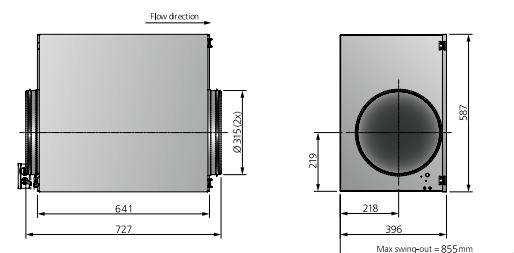


### TECHNICAL DATA

Product name	IRE 315 B1	IRE 315 B1 50Hz
Art. no.	1907900104	1007900104
Voltage	230/50	230/50
Voltage range	220-240 /50	220-240 /50
Phase	1	1 ~
Current	4.37	4.37
Power	891	891
Speed	1350	1350
Capacitor	12	12
Max temperature of transported air	60	60
Sound pressure level at 3m	45	45
Weight	30.8	30.8
Wiring diagram	4040005	4040005



### DIMENSIONS(mm)





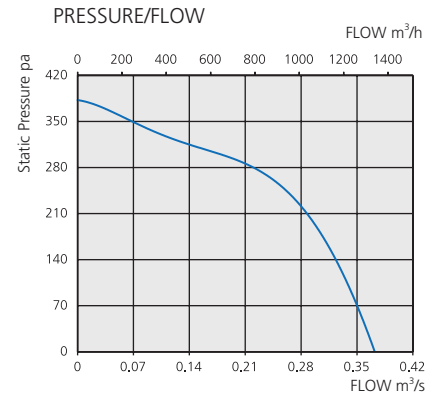
# INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS



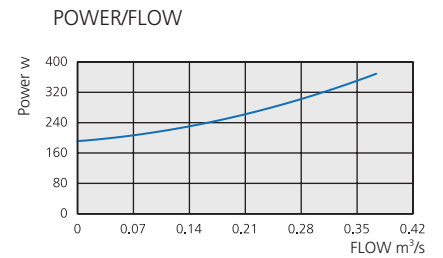
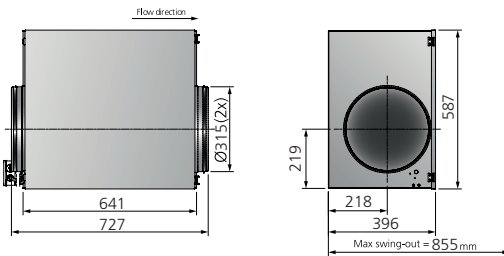
IRE 315 C1 50Hz

## TECHNICAL DATA

Product name	IRE 315 C1 50Hz	
Art. no.	1007900138	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	1.59	A
Power	365	W
Speed	1780	RPM
Capacitor	4	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	42	dB(A)
Weight	25.6	Kg
Wiring diagram	4040021	



## DIMENSIONS(mm)



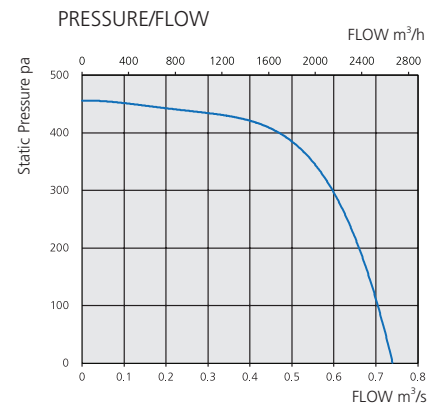
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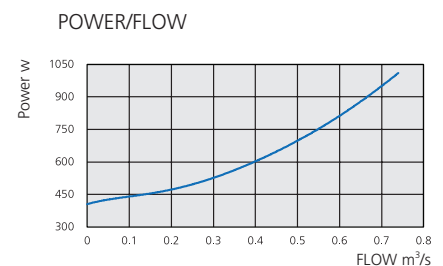
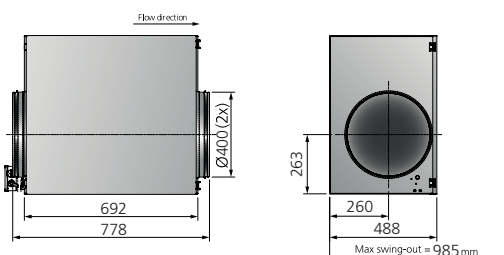
IRE 400 F1 50Hz

## TECHNICAL DATA

Product name	IRE 400 F1 50Hz	
Art. no.	1007900109	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	4.7	A
Power	1010	W
Speed	1200	RPM
Capacitor	20	µF
Max temperature of transported air	70	°C
Sound pressure level at 3m	47	dB(A)
Weight	46	Kg
Wiring diagram	4040005	



## DIMENSIONS(mm)



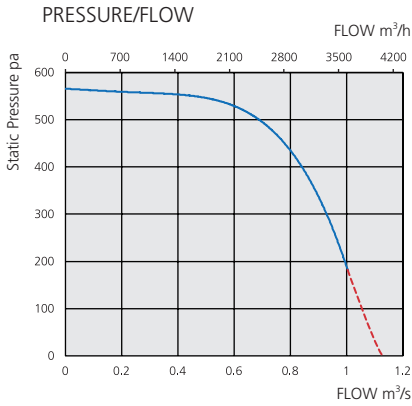
- CIRCULAR CK
- LOW PROFILE LPK
- INSULATED IRE
- RECTANGULAR RK
- BOX FAN FBS
- RADIAL FANS
- ATEX FANS
- WALL FANS
- MECHANICAL ACCESSORIES
- GENERAL FAN FACTS

# INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

## IRE 500 D1 50Hz

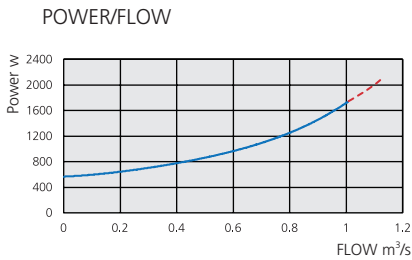


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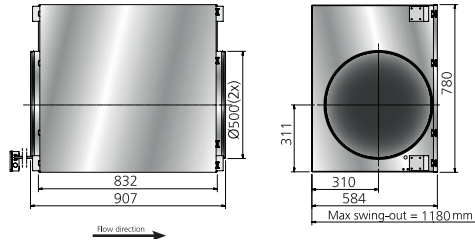


### TECHNICAL DATA

Product name	IRE 500 D1 50Hz	
Art. no.	1007900118	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	8	A
Power	1780	W
Speed	1280	RPM
Capacitor	30	µF
Max temperature of transported air	50	C
Sound pressure level at 3m	53	dB(A)
Weight	69.2	Kg
Wiring diagram	4040005	



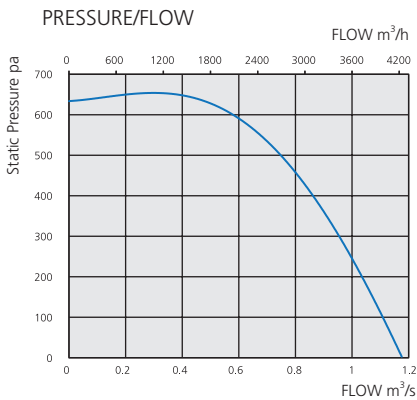
### DIMENSIONS(mm)



## IRE 500 E3 50Hz

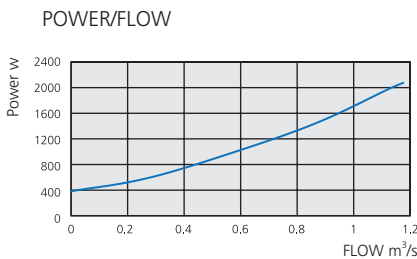


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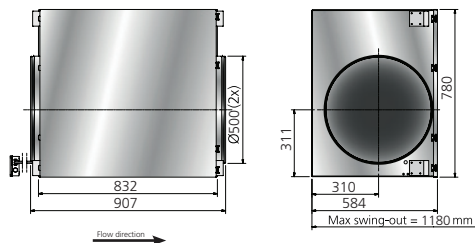


### TECHNICAL DATA

Product name	IRE 500 E3 50Hz	
Art. no.	1007900044	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	4.04	A
Power	2073	W
Speed	1380	RPM
Capacitor	-	µF
Max temperature of transported air	60	C
Sound pressure level at 3m	52	dB(A)
Weight	68	Kg
Wiring diagram	4040004/4040003	



### DIMENSIONS(mm)





# INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRE 500 F3 50Hz

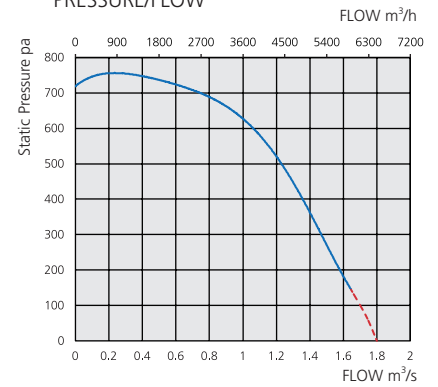


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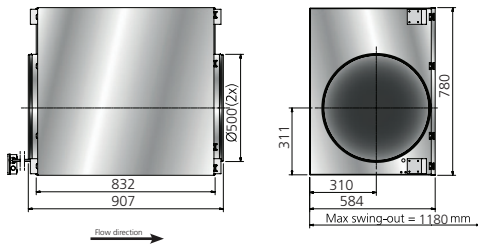
## TECHNICAL DATA

Product name	IRE 500 F3 50Hz		
Art. no.	1007900046		
Voltage	Y 400/Δ 230 /50	V/Hz	
Voltage range	380-415 /50	V/Hz	
Phase	3	~	
Current	5.06	A	
Power	2992	W	
Speed	1390	RPM	
Capacitor	-	μF	
Max temperature of transported air	60	C	
Sound pressure level at 3m	55	dB(A)	
Weight	81.2	Kg	
Wiring diagram	4040004/4040003		

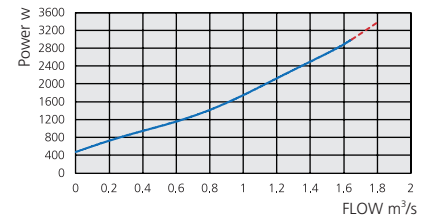
## PRESSURE/FLOW



## DIMENSIONS(mm)



## POWER/FLOW



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

WALL FANS

MECHANICAL ACCESSORIES

GENERAL FAN FACTS

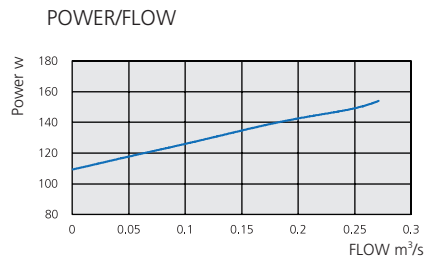
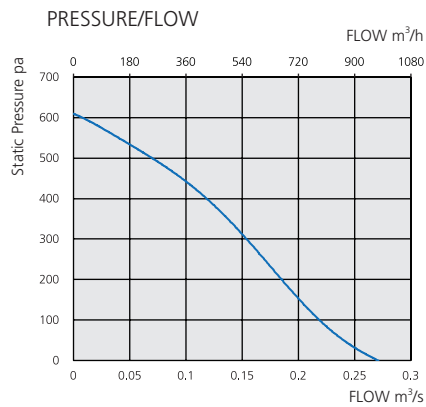
# INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

## IRE 40x20 A1 50Hz

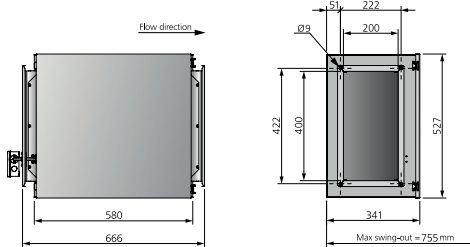


### TECHNICAL DATA

Product name	IRE 40x20 A1	IRE 40x20 A1 50Hz	
Art. no.	1907900111	1007900111	
Voltage	230/50	230/50	V/Hz
Voltage range	220-240 /50	220-240 /50	V/Hz
Phase	1	1	~
Current	0.67	0.67	A
Power	154	154	W
Speed	2540	2540	RPM
Capacitor	3	3	µF
Max temperature of transported air	60	60	C
Sound pressure level at 3m	43	43	dB(A)
Weight	22.8	22.8	Kg
Wiring diagram	4040001	4040001	



### DIMENSIONS(mm)



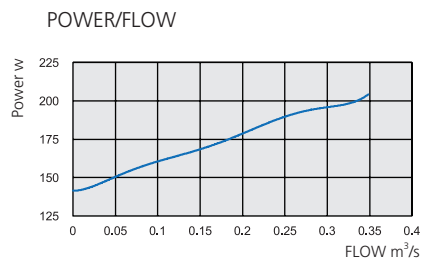
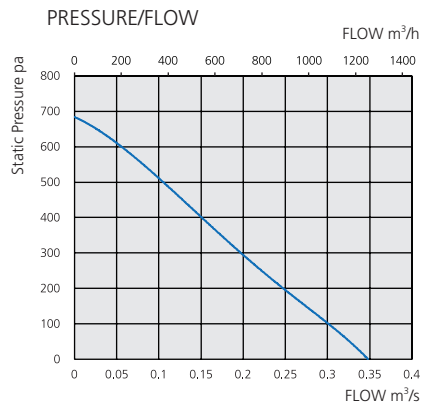
## IRE 40x20 E1



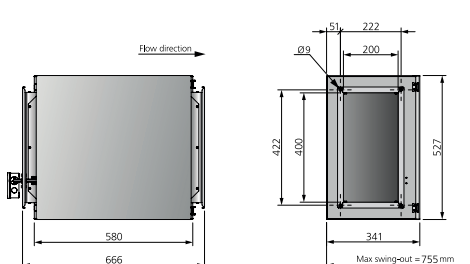
1007900098  
Page 42

### TECHNICAL DATA

Product name	IRE 40x20 E1	
Art. no.	1007900114	
Voltage	230/50	V/Hz
Voltage range	220-240 /50/60	V/Hz
Phase	1	~
Current	0.92	A
Power	204	W
Speed	2420	RPM
Capacitor	5	µF
Max temperature of transported air	60	C
Sound pressure level at 3m	44	dB(A)
Weight	21.6	Kg
Wiring diagram	4040001	



### DIMENSIONS(mm)





# INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRE 50x25 B1 50Hz

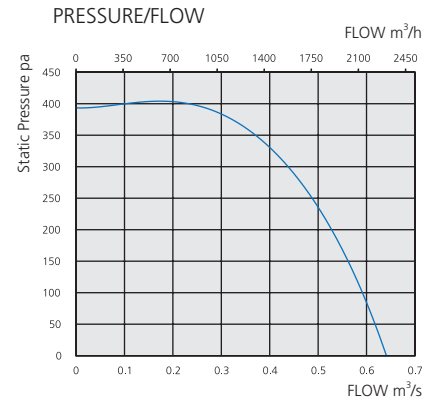


1007900104  
Page 42

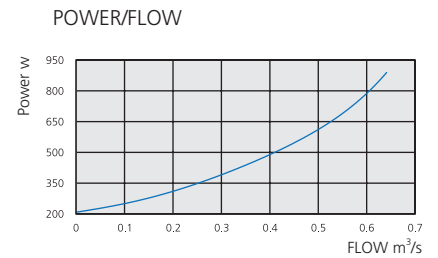
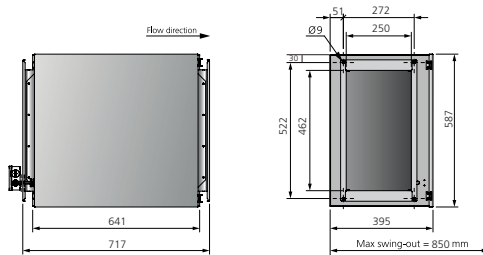
## TECHNICAL DATA



Product name	IRE 50x25 B1	IRE 50x25 B1 50Hz
Art. no.	1907900120	1007900120
Voltage	230/50	230/50 V/Hz
Voltage range	220-240 /50	220-240 /50 V/Hz
Phase	1	1 ~
Current	4.37	4.37 A
Power	891	891 W
Speed	1350	1350 RPM
Capacitor	12	12 µF
Max temperature of transported air	60	60 °C
Sound pressure level at 3m	45	45 dB(A)
Weight	31.5	31.5 Kg
Wiring diagram	4040005	4040005



## DIMENSIONS(mm)



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

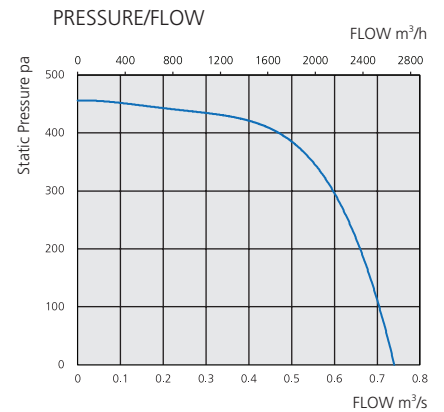
IRE 50x30 F1 50Hz



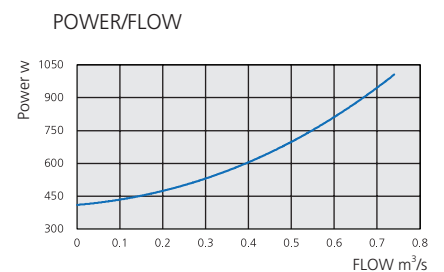
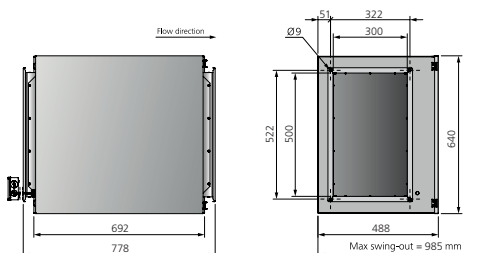
1007900109  
Page 43

## TECHNICAL DATA

Product name	IRE 50x30 F1 50Hz
Art. no.	1007900122
Voltage	230/50 V/Hz
Voltage range	220-240 /50 V/Hz
Phase	1 ~
Current	4.7 A
Power	1000 W
Speed	1200 RPM
Capacitor	20 µF
Max temperature of transported air	70 °C
Sound pressure level at 3m	47 dB(A)
Weight	50 Kg
Wiring diagram	4040005



## DIMENSIONS(mm)



RADIAL FANS

ATEX FANS

WALL FANS

MECHANICAL ACCESSORIES

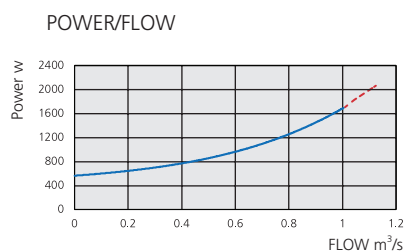
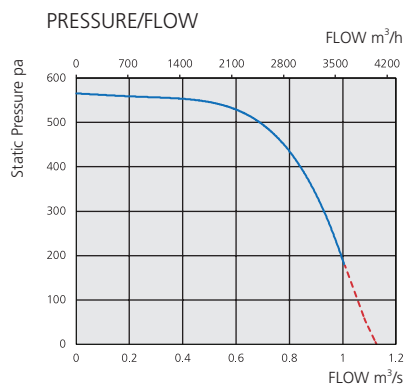
GENERAL FAN FACTS

# INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

## IRE 60x35 D1 50Hz



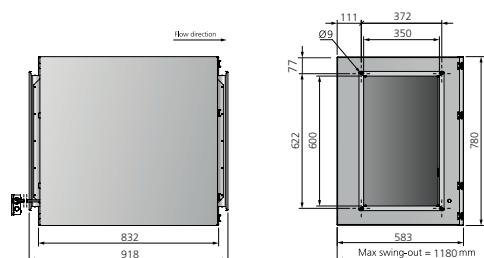
1007900118  
Page 44



### TECHNICAL DATA

Product name	IRE 60x35 D1 50Hz	
Art. no.	1007900124	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	8	A
Power	1780	W
Speed	1280	RPM
Capacitor	30	µF
Max temperature of transported air	50	C
Sound pressure level at 3m	53	dB(A)
Weight	69.7	Kg
Wiring diagram	4040005	

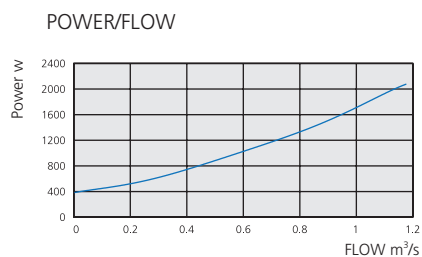
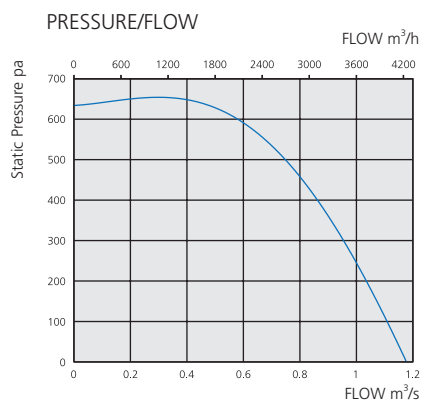
### DIMENSIONS(mm)



## IRE 60x35 E3 50Hz



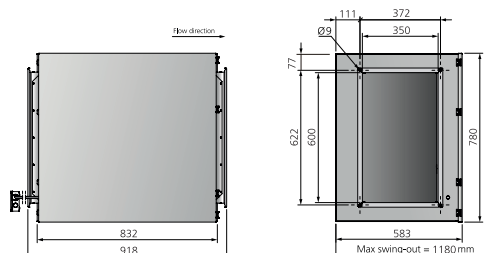
1007900044  
Page 44



### TECHNICAL DATA

Product name	IRE 60x35 E3 50Hz	
Art. no.	1007900055	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	4.04	A
Power	2073	W
Speed	1380	RPM
Capacitor	-	µF
Max temperature of transported air	60	C
Sound pressure level at 3m	53	dB(A)
Weight	69	Kg
Wiring diagram	4040004/4040003	

### DIMENSIONS(mm)





# INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRE 60x35 F3 50Hz

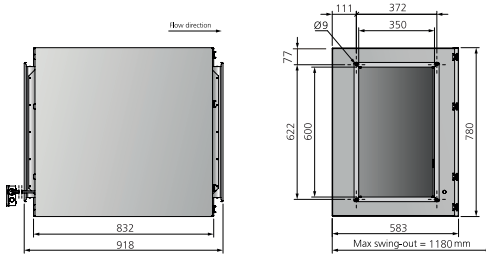


1007900046  
Page 45

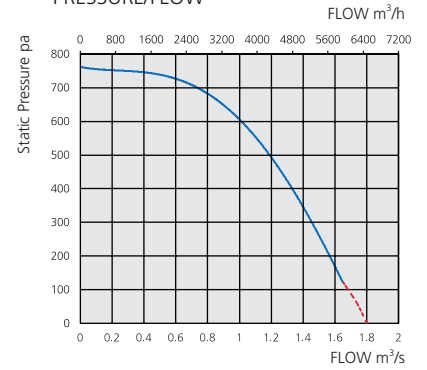
## TECHNICAL DATA

Product name	IRE 60x35 F3 50Hz		
Art. no.	1007900056		
Voltage	Y 400/Δ 230 /50	V/Hz	
Voltage range	380-415 /50	V/Hz	
Phase	3	~	
Current	5.06	A	
Power	2990	W	
Speed	1380	RPM	
Capacitor	-	μF	
Max temperature of transported air	60	C	
Sound pressure level at 3m	55	dB(A)	
Weight	81.7	Kg	
Wiring diagram	4040004/4040003		

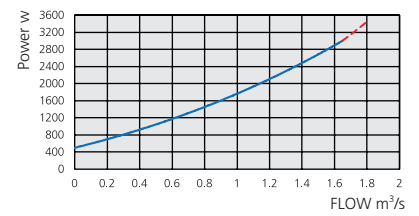
## DIMENSIONS(mm)



## PRESSURE/FLOW



## POWER/FLOW



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

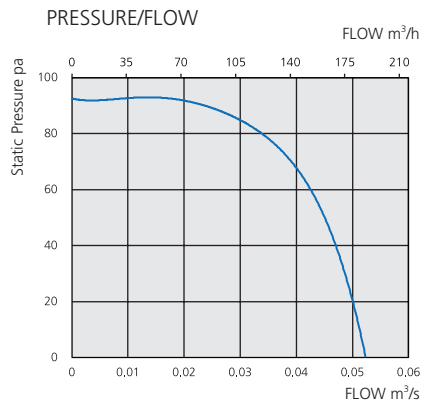
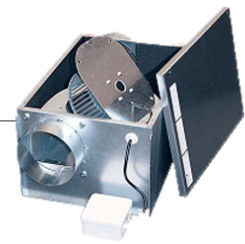
WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS

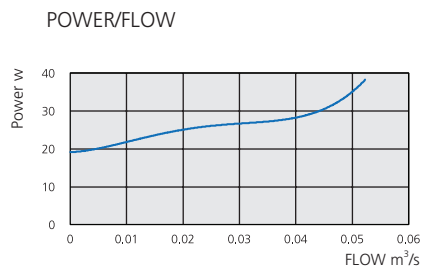
# INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

## IRF 125 C1

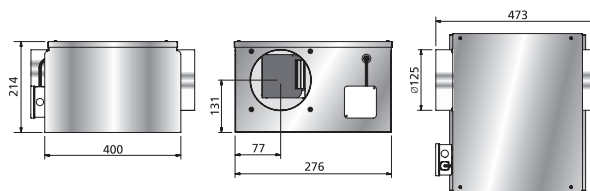


### TECHNICAL DATA

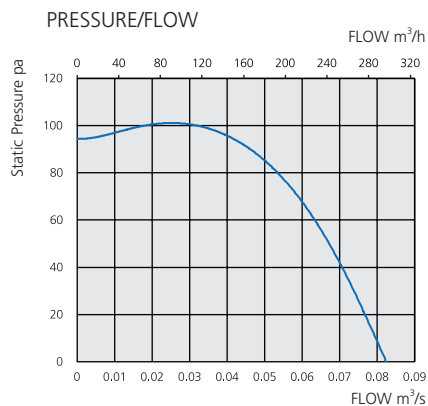
Product name	IRF 125 C1	
Art. no.	1007930001	
Voltage	230/50	V/Hz
Voltage range	220-240 /50/60	V/Hz
Phase	1	~
Current	0.18	A
Power	38	W
Speed	700	RPM
Capacitor	0.5	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	29	dB(A)
Weight	6.3	Kg
Wiring diagram	4040002	



### DIMENSIONS(mm)

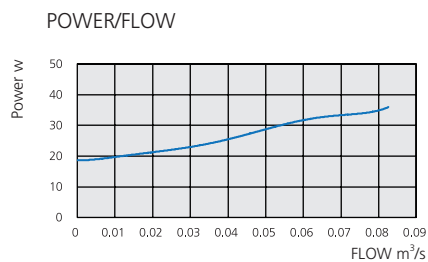


## IRF 125 H1

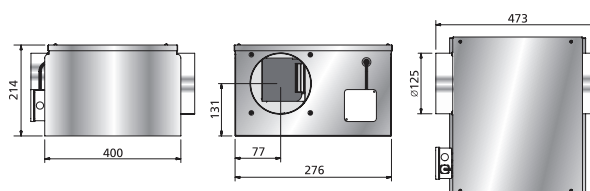


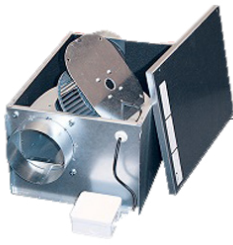
### TECHNICAL DATA

Product name	IRF 125 H1	
Art. no.	1007930004	
Voltage	230/50	V/Hz
Voltage range	220-240 /50/60	V/Hz
Phase	1	~
Current	0.16	A
Power	36	W
Speed	1035	RPM
Capacitor	2.5	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	29	dB(A)
Weight	6.3	Kg
Wiring diagram	4040002	



### DIMENSIONS(mm)





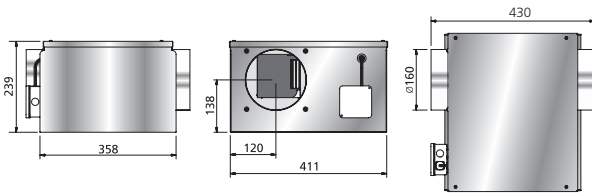
# INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRF 160 B1 50Hz

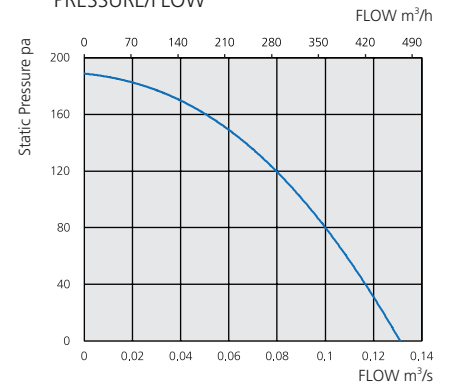
## TECHNICAL DATA

Product name	IRF 160 B1 50Hz	
Art. no.	1007930005	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.34	A
Power	76	W
Speed	1000	RPM
Capacitor	2	μF
Max temperature of transported air	60	°C
Sound pressure level at 3m	36	dB(A)
Weight	8.5	Kg
Wiring diagram	4040001	

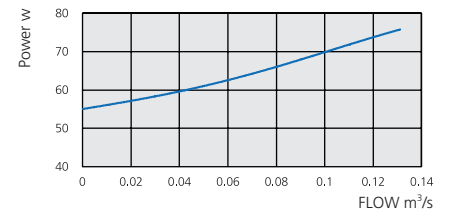
## DIMENSIONS(mm)



## PRESSURE/FLOW



## POWER/FLOW



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS



Dimension(mm)

# RKBI 600 x 350 A1-ds

Rectangular

Duct fan

Backward curved impeller

Insulated

Double Skin

1= Single phase

3= 3-phase

Capacity (A/B/C/D/E/F/G/H/I/J/K/L)

### UNINSULATED

The RK has proven performance and reliability. Designed to cope with high pressure and long ducts.

RK is available with AC motor.

The RKB is compact with high capacity and very good efficiency.

RKB is available with AC motor.

### INSULATED

The RKBI is an insulated centrifugal inline duct fan with rectangular connections. It is designed to cope with long duct runs and high pressures but with a minimum of noise.

RKBI is available with AC motor.

RKBI-ds is an insulated duct fan with double skin housing, high capacity, efficiency, and low sound levels. Motor with impeller can be swung out for inspection and cleaning (swing-out).

Airflows of uninsulated RK and insulated RKBI up to 11032m<sup>3</sup>/h (3.06 m<sup>3</sup>/s).

RK ..... Page 62

RKB ..... Page 63

RKBI ..... Page 76

RKBI-ds ..... Page 82

CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

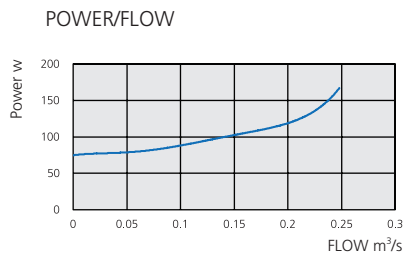
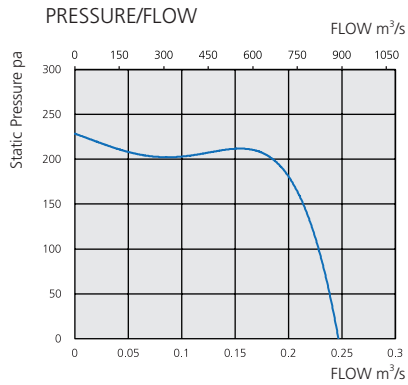
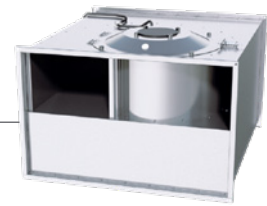
WALL FANS

MACHINICAL ACCESSORIES

GENERAL FAN FACTS

# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

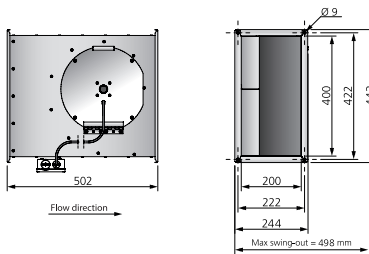
## RK 400X200 C1 50Hz



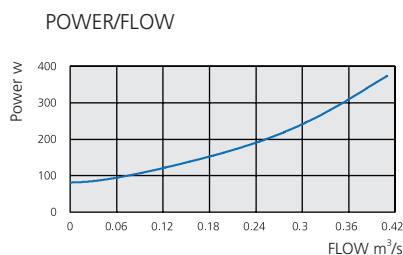
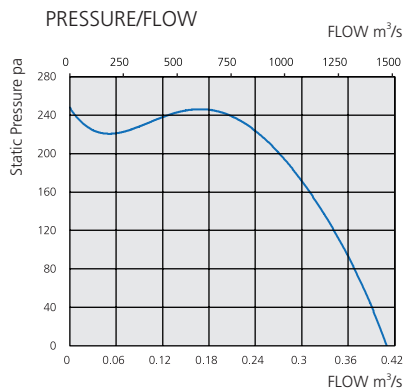
### TECHNICAL DATA

Product name	RK 400x200 C1 50Hz	
Art. no.	1007500033	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.74	A
Power	168	W
Speed	810	RPM
Capacitor	4	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	48	dB(A)
Weight	11.4	Kg
Wiring diagram	4040001	

### DIMENSIONS (mm)



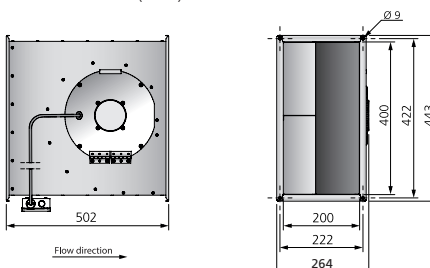
## RK 400X200 C3



### TECHNICAL DATA

Product name	RK 400x200 C3	
Art. no.	1007500005	
Voltage	Y 400/Δ 230 /50/60	V/Hz
Voltage range	380-415 /50/60	V/Hz
Phase	3	~
Current	0.65	A
Power	375	W
Speed	1180	RPM
Capacitor	-	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	53	dB(A)
Weight	12.6	Kg
Wiring diagram	4040004/4040003	

### DIMENSIONS (mm)



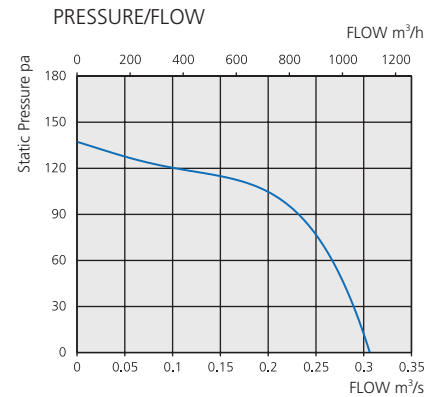


# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

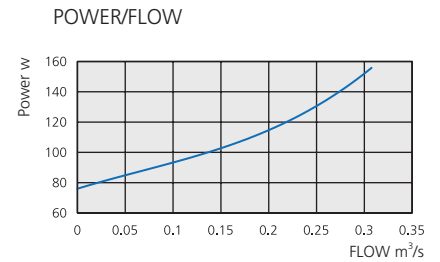
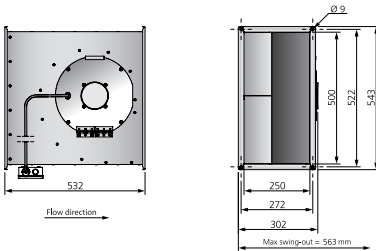
## RK 500x250 B1 50Hz

### TECHNICAL DATA

Product name	RK 500x250 B1 50Hz	
Art. no.	1007500035	
Voltage	230/50	V/Hz
Voltage range	220-240/50	V/Hz
Phase	1	~
Current	0.79	A
Power	156	W
Speed	820	RPM
Capacitor	3	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	47	dB(A)
Weight	18	Kg
Wiring diagram	4040005	



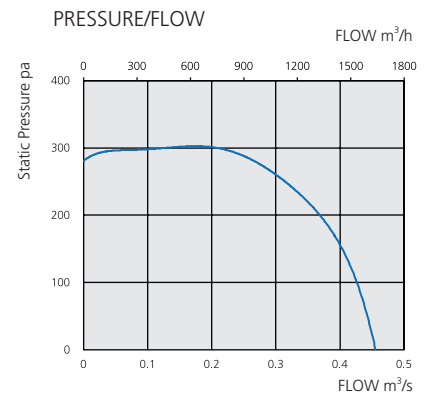
### DIMENSIONS (mm)



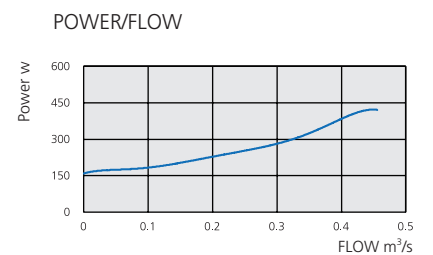
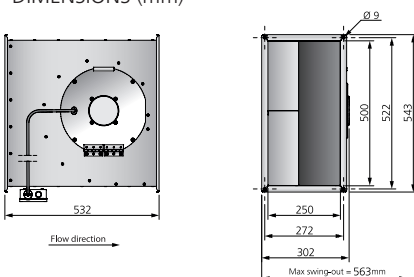
### TECHNICAL DATA

Product name	RK 500x250 D1 50Hz	
Art. no.	1007500037	
Voltage	230/50	V/Hz
Voltage range	220-240/50	V/Hz
Phase	1	~
Current	1.8	A
Power	420	W
Speed	1110	RPM
Capacitor	8	µF
Max temperature of transported air	50	°C
Sound pressure level at 3m	55	dB(A)
Weight	18	Kg
Wiring diagram	4040005	

## RK 500x250 D1 50Hz



### DIMENSIONS (mm)



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

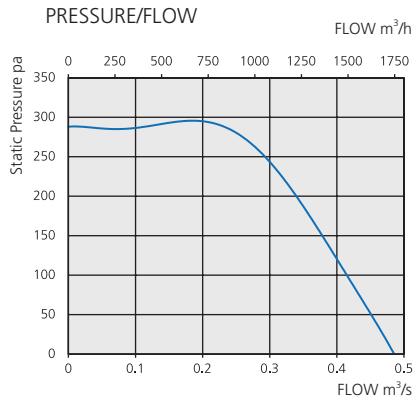
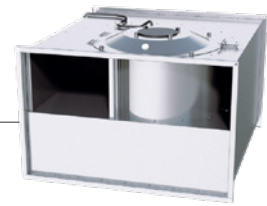
WALL FANS

MECHANICAL ACCESSORIES

GENERAL FAN FACTS

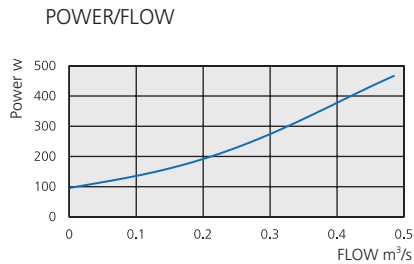
# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

## RK 500X250 D3 50Hz

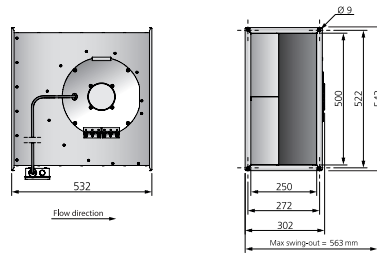


### TECHNICAL DATA

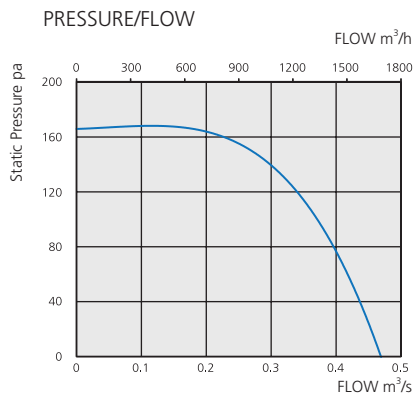
Product name	RK 500x250 D3 50Hz	
Art. no.	1007500010	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	0.88	A
Power	468	W
Speed	1305	RPM
Capacitor	-	μF
Max temperature of transported air	60	°C
Sound pressure level at 3m	52	dB(A)
Weight	18.5	Kg
Wiring diagram	4040004/4040003	



### DIMENSIONS (mm)

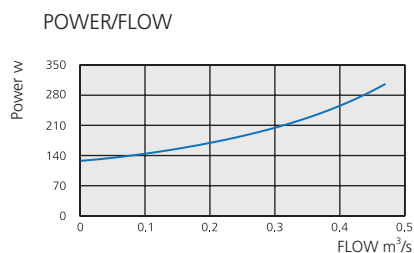


## RK 500X300 A1 50Hz

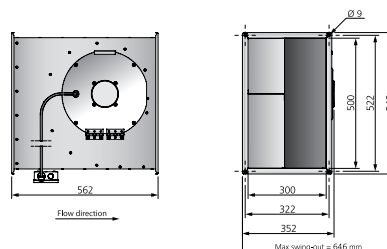


### TECHNICAL DATA

Product name	RK 500x300 A1 50Hz	
Art. no.	1007500038	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	1.43	A
Power	305	W
Speed	850	RPM
Capacitor	5	μF
Max temperature of transported air	60	°C
Sound pressure level at 3m	49.4	dB(A)
Weight	19.8	Kg
Wiring diagram	4040005	



### DIMENSIONS (mm)





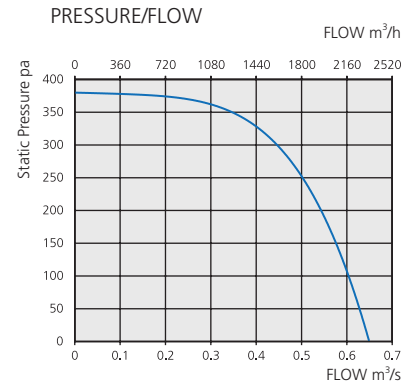
# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

## RK 500x300 B1 50Hz

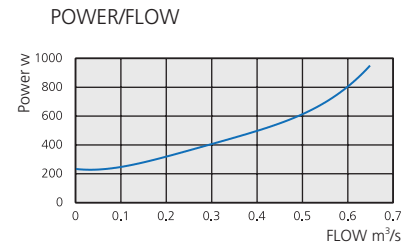
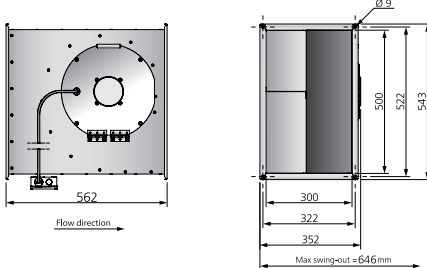
### TECHNICAL DATA



	RK 500x300 B1	RK 500x300 B1 50Hz	
Product name	RK 500x300 B1	RK 500x300 B1 50Hz	
Art. no.	1907500039	1007500039	
Voltage	230/50	230/50	V/Hz
Voltage range	220-240 /50	220-240 /50	V/Hz
Phase	1	1	~
Current	4.52	4.52	A
Power	950	950	W
Speed	1185	1185	RPM
Capacitor	12	12	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	55	55	dB(A)
Weight	21.5	21.5	Kg
Wiring diagram	4040005	4040005	



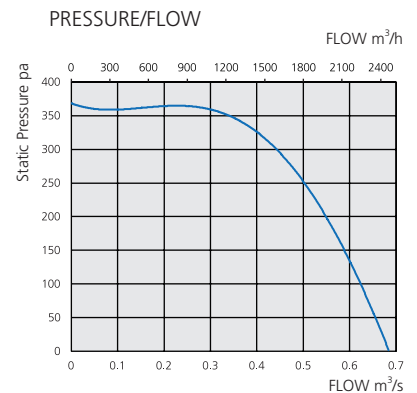
### DIMENSIONS (mm)



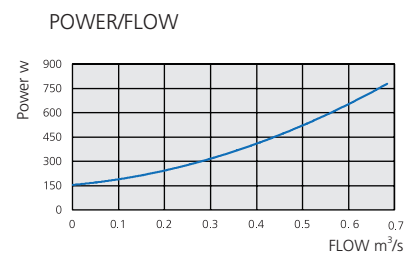
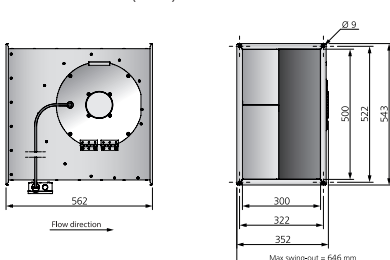
## RK 500x300 B3 50Hz

### TECHNICAL DATA

	RK 500x300 B3 50Hz	
Product name	RK 500x300 B3 50Hz	
Art. no.	1007500013	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	1.47	A
Power	780	W
Speed	1260	RPM
Capacitor	-	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	54	dB(A)
Weight	21.5	Kg
Wiring diagram	4040004/4040003	



### DIMENSIONS (mm)



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

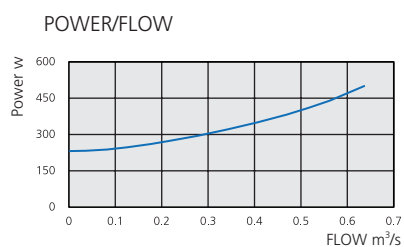
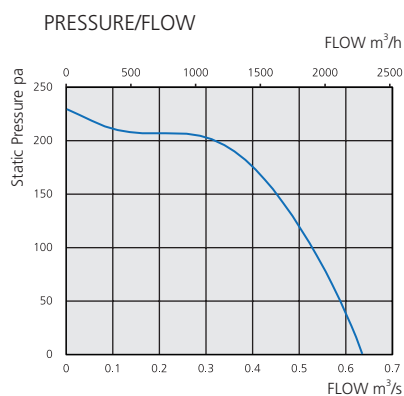
WALL FANS

MECHANICAL ACCESSORIES

GENERAL FAN FACTS

# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

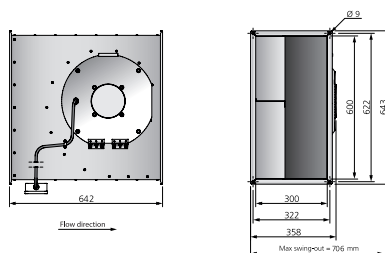
## RK 600x300 D1 50Hz



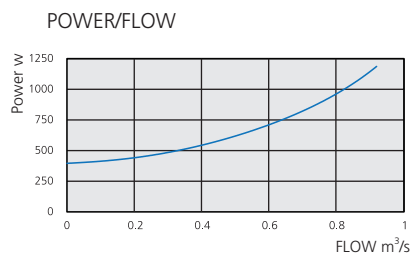
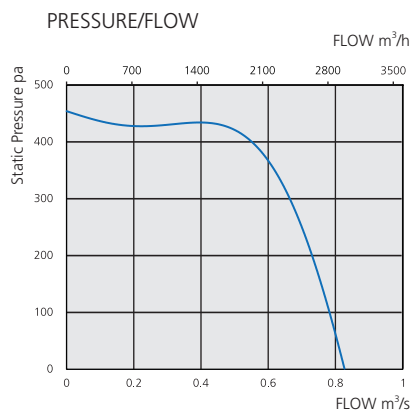
### TECHNICAL DATA

Product name	RK 600x300 D1 50Hz	
Art. no.	1007500040	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	2.3	A
Power	498	W
Speed	810	RPM
Capacitor	8	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	50	dB(A)
Weight	28	Kg
Wiring diagram	4040005	

### DIMENSIONS (mm)



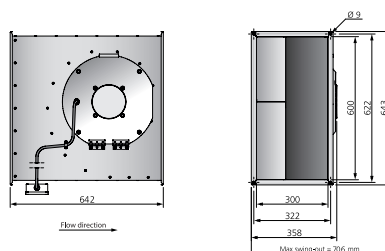
## RK 600x300 F1 50Hz



### TECHNICAL DATA

Product name	RK 600x300 F1 50Hz	
Art. no.	1007500041	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	5.6	A
Power	1180	W
Speed	990	RPM
Capacitor	20	µF
Max temperature of transported air	70	°C
Sound pressure level at 3m	58	dB(A)
Weight	34.1	Kg
Wiring diagram	4040005	

### DIMENSIONS (mm)





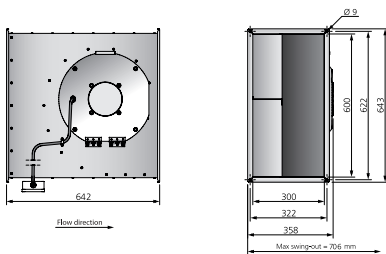
# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

## RK 600x300 F3 50Hz

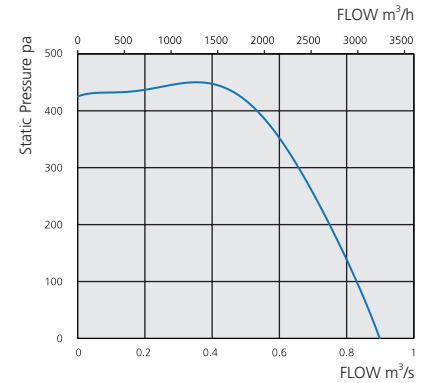
### TECHNICAL DATA

Product name	RK 600x300 F3 50Hz		
Art. no.	1007500017		
Voltage	Y 400/Δ 230/50	V/Hz	
Voltage range	380-415/50	V/Hz	
Phase	3	~	
Current	2.71	A	
Power	1399	W	
Speed	1400	RPM	
Capacitor	-	μF	
Max temperature of transported air	60	°C	
Sound pressure level at 3m	60	dB(A)	
Weight	34	Kg	
Wiring diagram	4040004/4040003		

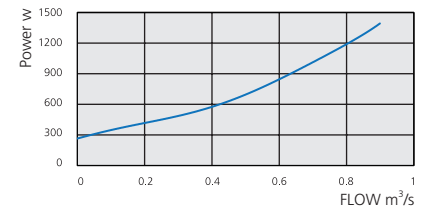
### DIMENSIONS (mm)



### PRESSURE/FLOW



### POWER/FLOW

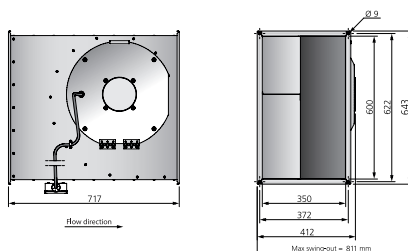


## RK 600x350 C1 50Hz

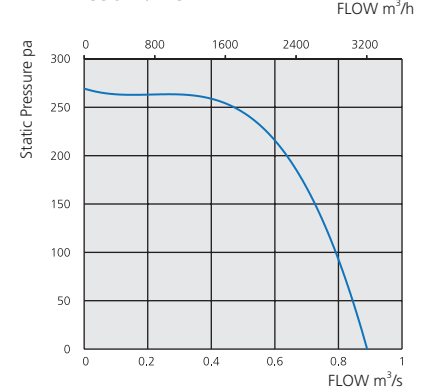
### TECHNICAL DATA

Product name	RK 600x350 C1 50Hz		
Art. no.	1007500042		
Voltage	230/50	V/Hz	
Voltage range	220-240 /50	V/Hz	
Phase	1	~	
Current	4.38	A	
Power	863	W	
Speed	870	RPM	
Capacitor	16	μF	
Max temperature of transported air	60	°C	
Sound pressure level at 3m	57	dB(A)	
Weight	39	Kg	
Wiring diagram	4040005		

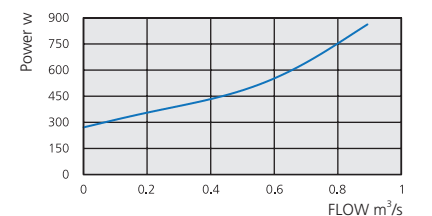
### DIMENSIONS (mm)



### PRESSURE/FLOW

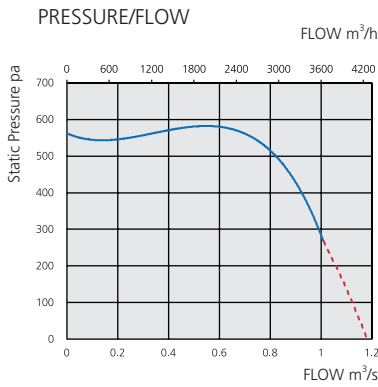
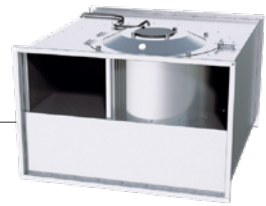


### POWER/FLOW



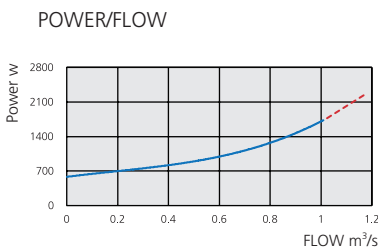
# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

## RK 600x350 E1 50Hz

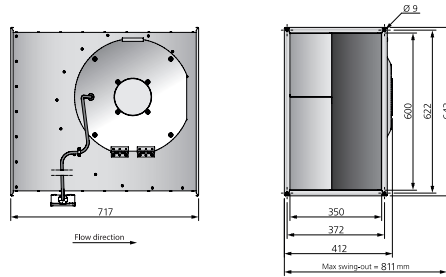


### TECHNICAL DATA

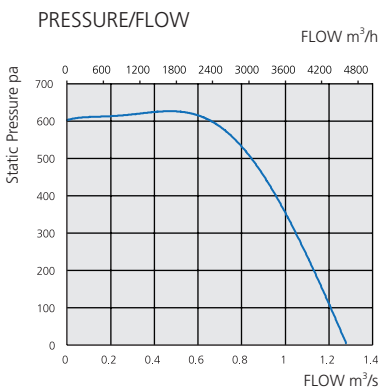
Product name	RK 600x350 E1 50Hz	
Art. no.	1007500043	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	9.15	A
Power	1960	W
Speed	1200	RPM
Capacitor	30	µF
Max temperature of transported air	50	°C
Sound pressure level at 3m	61	dB(A)
Weight	43.2	Kg
Wiring diagram	4040005	



### DIMENSIONS (mm)

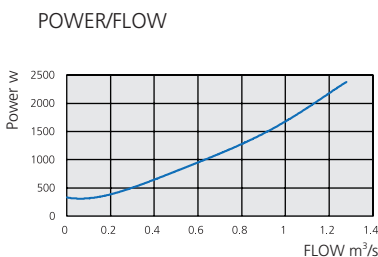


## RK 600x350 E3 50Hz

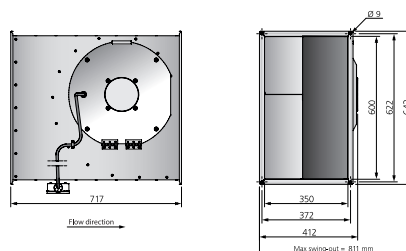


### TECHNICAL DATA

Product name	RK 600x350 E3 50Hz	
Art. no.	1007500021	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	3.92	A
Power	2384	W
Speed	1465	RPM
Capacitor	-	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	61	dB(A)
Weight	41	Kg
Wiring diagram	4040004/4040003	



### DIMENSIONS (mm)





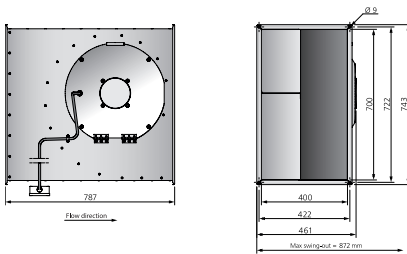
# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

## RK 700X400 B3 50Hz

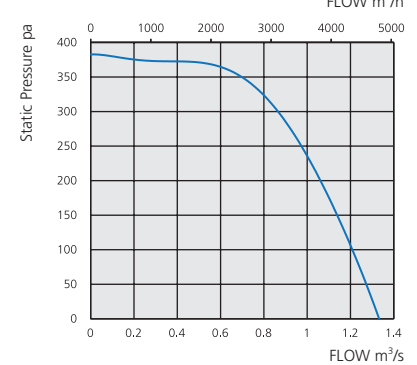
### TECHNICAL DATA

Product name	RK 700x400 B3 50Hz		
Art. no.	1007500023		
Voltage	Y 400/Δ 230 /50	V/Hz	
Voltage range	380-415 /50	V/Hz	
Phase	3	~	
Current	3.25	A	
Power	1452	W	
Speed	930	RPM	
Capacitor	-	μF	
Max temperature of transported air	60	°C	
Sound pressure level at 3m	49	dB(A)	
Weight	50	Kg	
Wiring diagram	4040004/4040003		

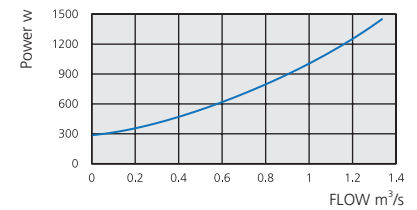
### DIMENSIONS (mm)



### PRESSURE/FLOW



### POWER/FLOW

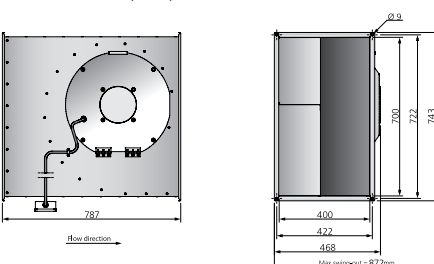


## RK 700x400 D3 50Hz

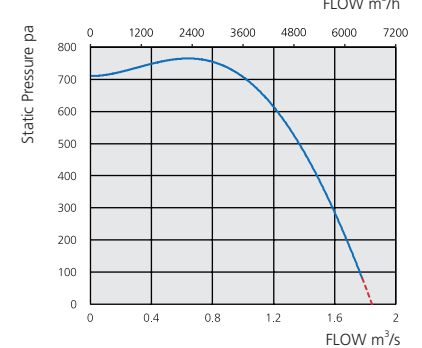
### TECHNICAL DATA

Product name	RK 700x400 D3 50Hz		
Art. no.	1007500024		
Voltage	Y 400/Δ 230 /50	V/Hz	
Voltage range	380-415 /50	V/Hz	
Phase	3	~	
Current	5.87	A	
Power	3550	W	
Speed	1370	RPM	
Capacitor	-	μF	
Max temperature of transported air	60	°C	
Sound pressure level at 3m	67	dB(A)	
Weight	59.3	Kg	
Wiring diagram	4040004/4040003		

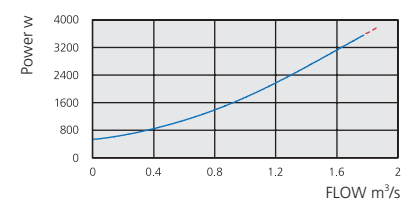
### DIMENSIONS (mm)



### PRESSURE/FLOW



### POWER/FLOW



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

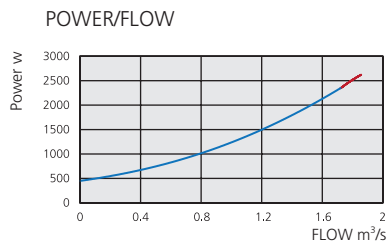
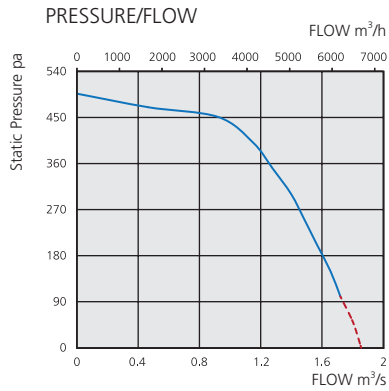
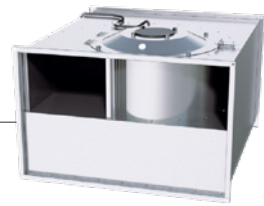
WALL FANS

MECHANICAL ACCESSORIES

GENERAL FAN FACTS

# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

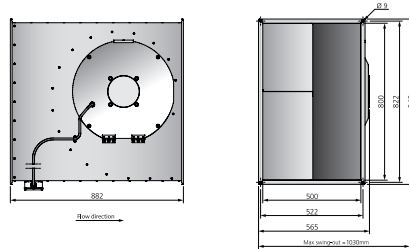
## RK 800x500 E3 50Hz



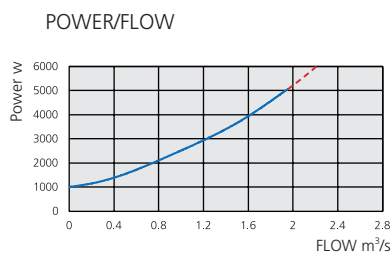
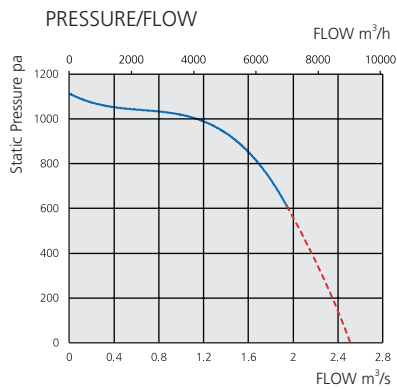
### TECHNICAL DATA

Product name	RK 800x500 E3 50Hz	
Art. no.	1007500026	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	3.96	A
Power	2345	W
Speed	840	RPM
Capacitor	-	μF
Max temperature of transported air	50	°C
Sound pressure level at 3m	59	dB(A)
Weight	71	Kg
Wiring diagram	4040004/4040003	

### DIMENSIONS (mm)



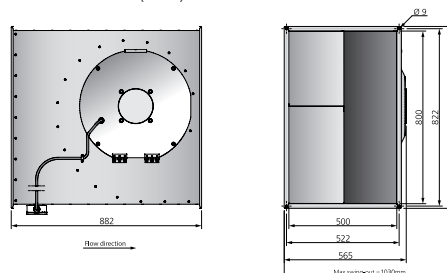
## RK 800x500 F3 50Hz



### TECHNICAL DATA

Product name	RK 800x500 F3 50Hz	
Art. no.	1007500027	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	8.72	A
Power	5072	W
Speed	1380	RPM
Capacitor	-	μF
Max temperature of transported air	45	°C
Sound pressure level at 3m	68	dB(A)
Weight	79.4	Kg
Wiring diagram	4040004/4040003	

### DIMENSIONS (mm)



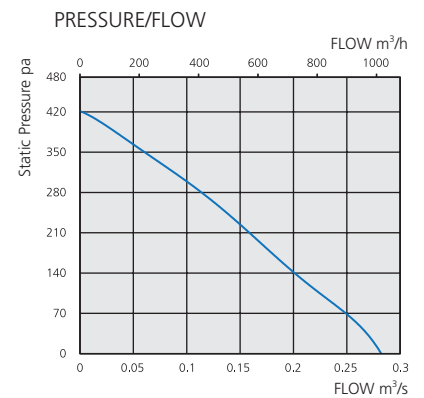


# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

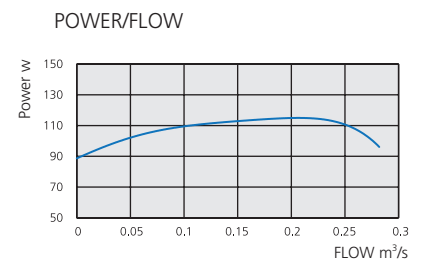
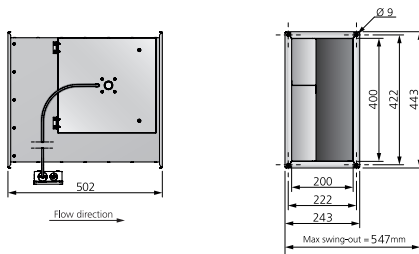
RKB 400x200 A1

## TECHNICAL DATA

Product name	RKB 400x200 A1	
Art. no.	1007470005	
Voltage	230/50	V/Hz
Voltage range	220-240 /50/60	V/Hz
Phase	1	~
Current	0.5	A
Power	115	W
Speed	2530	RPM
Capacitor	2.5	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	53	dB(A)
Weight	9.8	Kg
Wiring diagram	4040001	



## DIMENSIONS(mm)

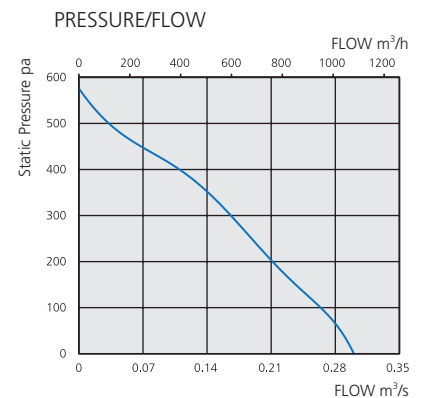


RKB 400x200 B1 50Hz

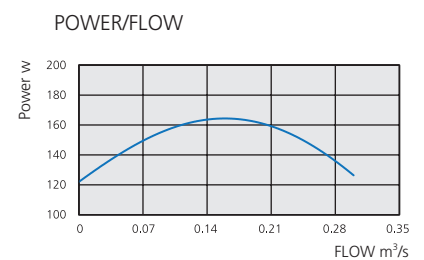
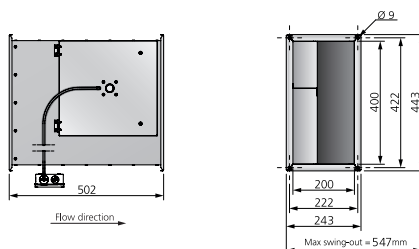
## TECHNICAL DATA



	RKB 400x200 B1	RKB 400x200 B1 50Hz	
Product name	RKB 400x200 B1	RKB 400x200 B1 50Hz	
Art. no.	1907470018	1007470018	
Voltage	230/50	230/50	V/Hz
Voltage range	220-240 /50	220-240 /50	V/Hz
Phase	1	1	~
Current	0.72	0.72	A
Power	164	164	W
Speed	2500	2500	RPM
Capacitor	3	3	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	58	58	dB(A)
Weight	10.6	10.6	Kg
Wiring diagram	4040001	4040001	

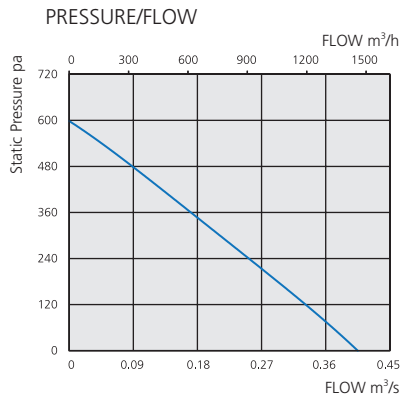


## DIMENSIONS(mm)



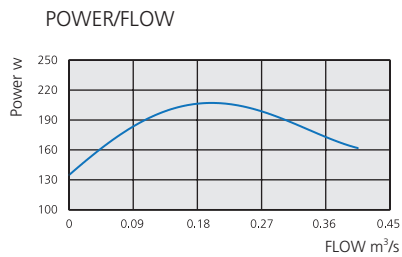
# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

## RKB 400x200 E1

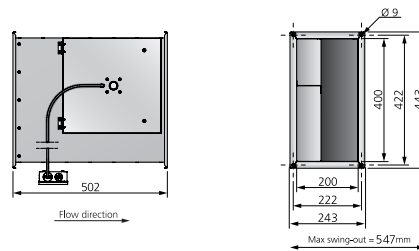


### TECHNICAL DATA

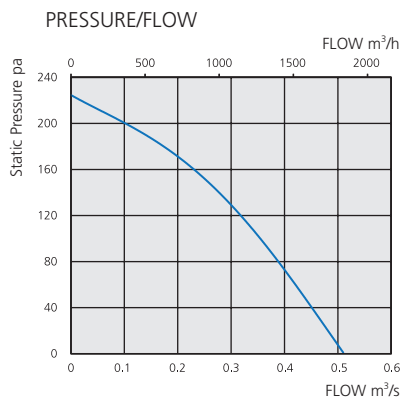
Product name	RKB 400x200 E1	
Art. no.	1007470001	
Voltage	230/50	V/Hz
Voltage range	220-240 /50/60	V/Hz
Phase	1	~
Current	0.91	A
Power	207	W
Speed	2400	RPM
Capacitor	5	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	56	dB(A)
Weight	10.8	Kg
Wiring diagram	4040001	



### DIMENSIONS(mm)

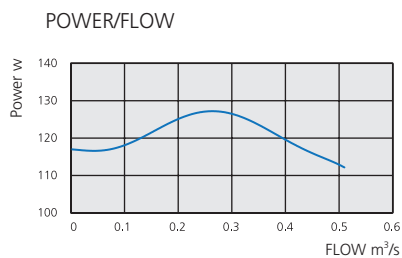


## RKB 500x250 A1

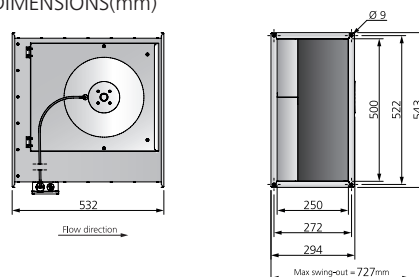


### TECHNICAL DATA

Product name	RKB 500x250 A1	
Art. no.	1007470002	
Voltage	230/50	V/Hz
Voltage range	220-240 /50/60	V/Hz
Phase	1	~
Current	0.56	A
Power	127	W
Speed	1270	RPM
Capacitor	5	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	48	dB(A)
Weight	16.6	Kg
Wiring diagram	4040001	



### DIMENSIONS(mm)





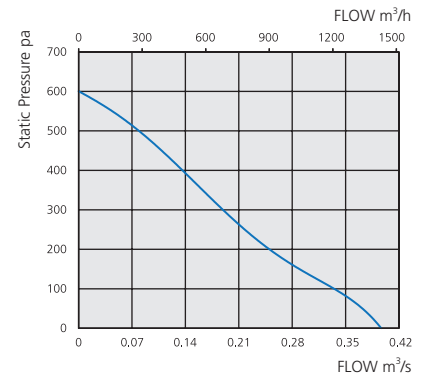
# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

RKB 500x250 C1

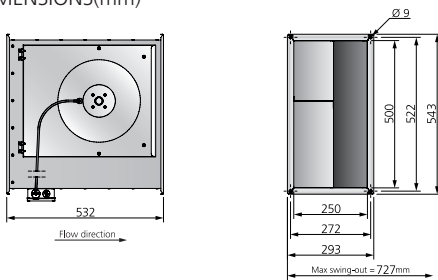
## TECHNICAL DATA

Product name	RKB 500x250 C1	
Art. no.	1007470003	
Voltage	230/50	V/Hz
Voltage range	220-240 /50/60	V/Hz
Phase	1	~
Current	0.86	A
Power	196	W
Speed	2460	RPM
Capacitor	5	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	52	dB(A)
Weight	14.8	Kg
Wiring diagram	4040001	

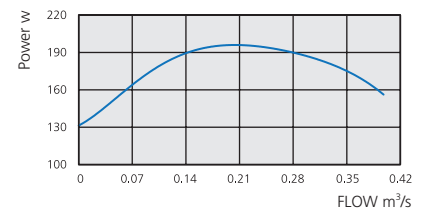
## PRESSURE/FLOW



## DIMENSIONS(mm)



## POWER/FLOW

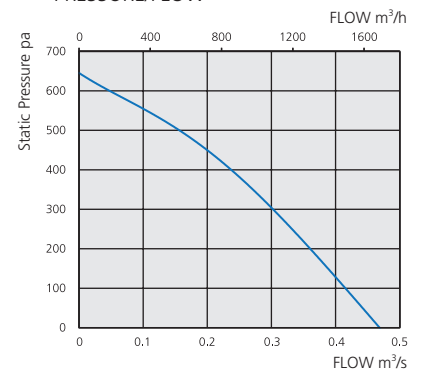


RKB 500x250 E1 50Hz

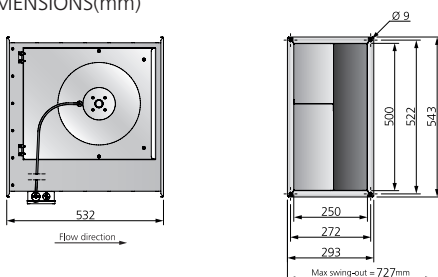
## TECHNICAL DATA

Product name	RKB 500x250 E1 50Hz	
Art. no.	1007470004	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	1.26	A
Power	288	W
Speed	2430	RPM
Capacitor	8	µF
Max temperature of transported air	50	°C
Sound pressure level at 3m	58	dB(A)
Weight	15.2	Kg
Wiring diagram	4040001	

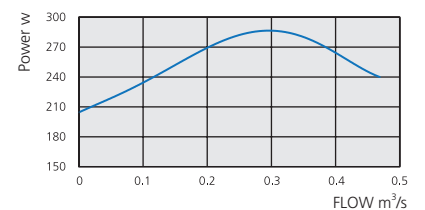
## PRESSURE/FLOW



## DIMENSIONS(mm)

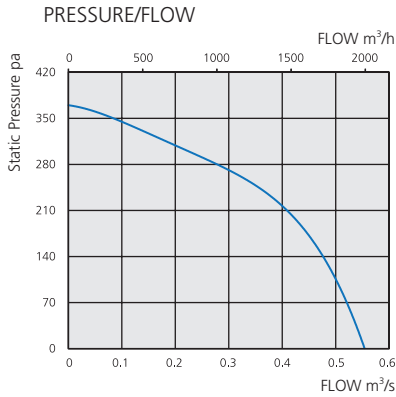


## POWER/FLOW



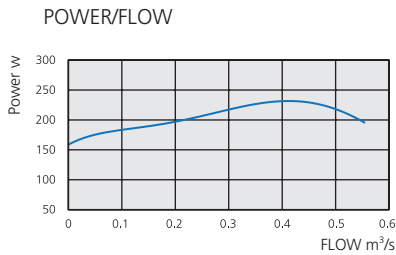
# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

## RKB 500x250 G1 50Hz

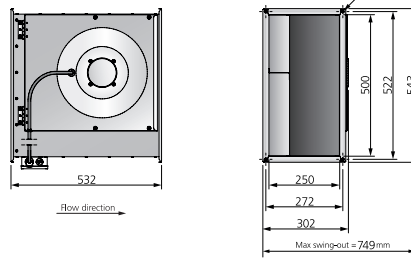


### TECHNICAL DATA

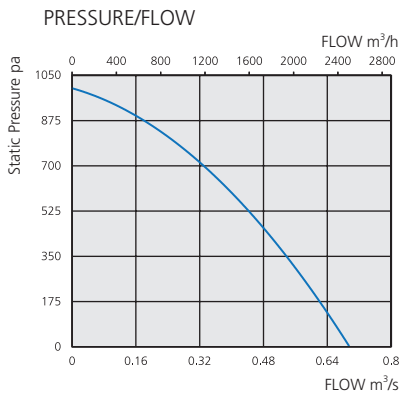
Product name	RKB 500x250 G1	RKB 500x250 G1 50Hz	
Art. no.	1907470030	1007470030	
Voltage	230/50	230/50	V/Hz
Voltage range	220-240 /50	220-240 /50	V/Hz
Phase	1	1	~
Current	1	1	A
Power	233	233	W
Speed	1330	1330	RPM
Capacitor	6	6	µF
Max temperature of transported air	55	55	°C
Sound pressure level at 3m	56	56	dB(A)
Weight	16.8	16.8	Kg
Wiring diagram	4040005	4040005	



### DIMENSIONS(mm)

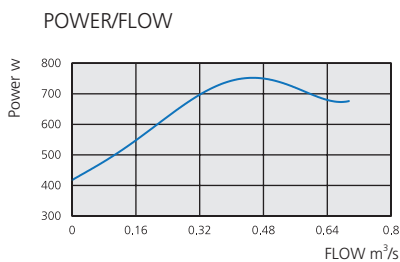


## RKB 500x250 H1 50Hz

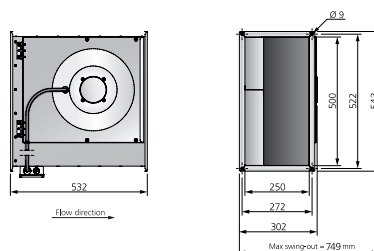


### TECHNICAL DATA

Product name	RKB 500x250 H1 50Hz		
Art. no.	1007470029		
Voltage	230/50		V/Hz
Voltage range	220-240 /50		V/Hz
Phase	1		~
Current	3.42		A
Power	759		W
Speed	2650		RPM
Capacitor	14		µF
Max temperature of transported air	60		°C
Sound pressure level at 3m	67		dB(A)
Weight	21.2		Kg
Wiring diagram	4040005		



### DIMENSIONS(mm)





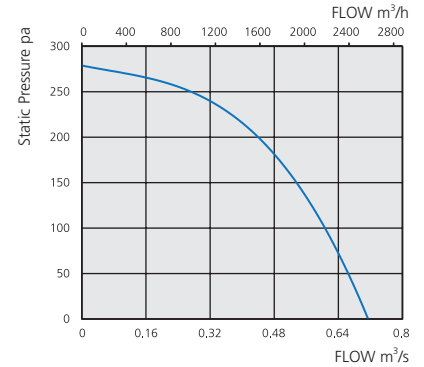
# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

RKB 600x300 A1 50Hz

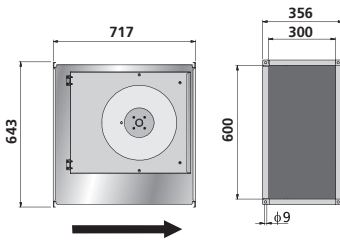
## TECHNICAL DATA

Product name	RKB 600x300 A1 50Hz	
Art. no.	1007480001	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	1.8	A
Power	345	W
Speed	920	RPM
Capacitor	8	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	50	dB(A)
Weight	32.8	Kg
Wiring diagram	4040005	

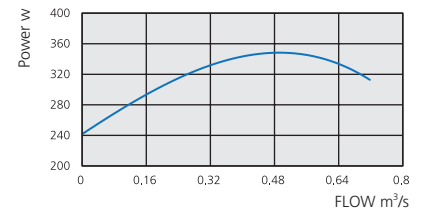
## PRESSURE/FLOW



## DIMENSIONS(mm)



## POWER/FLOW

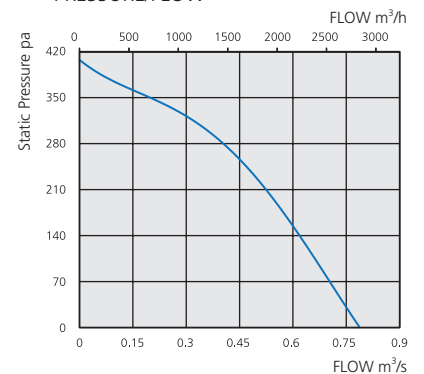


RKB 600x300 B1 50Hz

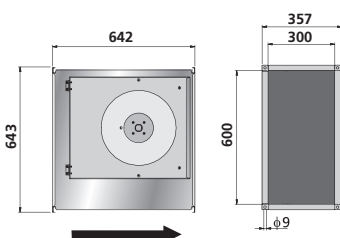
## TECHNICAL DATA

Product name	RKB 600x300 B1 50Hz	
Art. no.	1007480002	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	1.46	A
Power	318	W
Speed	1300	RPM
Capacitor	7	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	52	dB(A)
Weight	25.8	Kg
Wiring diagram	4040005	

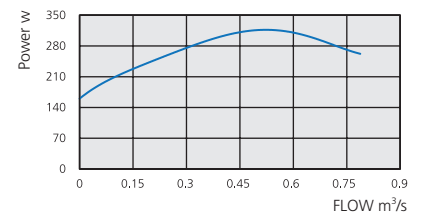
## PRESSURE/FLOW



## DIMENSIONS(mm)



## POWER/FLOW



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

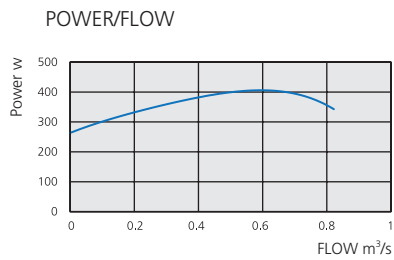
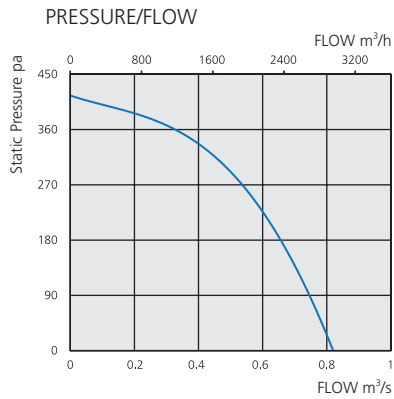
WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS

# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

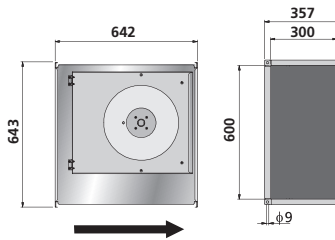
## RKB 600x300 G1 50Hz



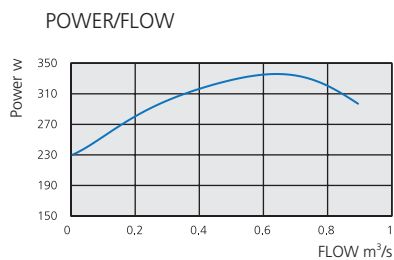
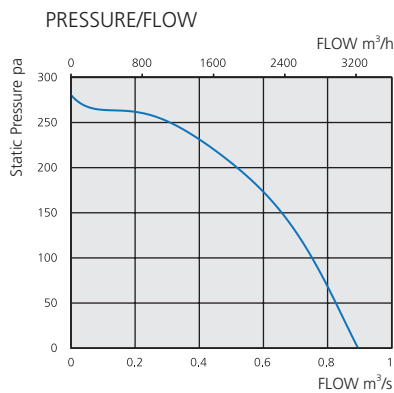
### TECHNICAL DATA

Product name	RKB 600x300 G1 50Hz	
Art. no.	1007480003	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	2.1	A
Power	409	W
Speed	1410	RPM
Capacitor	12	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	57	dB(A)
Weight	29.1	Kg
Wiring diagram	4040005	

### DIMENSIONS(mm)



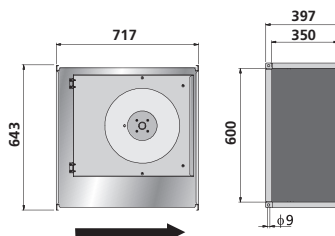
## RKB 600x350 A1 50Hz



### TECHNICAL DATA

Product name	RKB 600x350 A1 50Hz	
Art. no.	1007480004	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	1.84	A
Power	335	W
Speed	940	RPM
Capacitor	8	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	49	dB(A)
Weight	33.9	Kg
Wiring diagram	4040005	

### DIMENSIONS(mm)





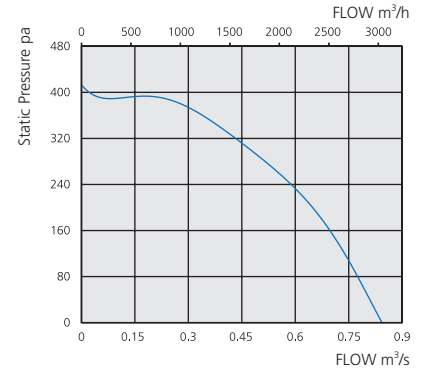
# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

RKB 600x350 B1 50Hz

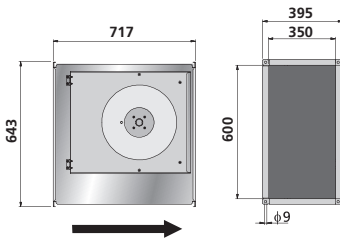
## TECHNICAL DATA

Product name	RKB 600x350 B1 50Hz	
Art. no.	1007480005	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	2.11	A
Power	412	W
Speed	1400	RPM
Capacitor	12	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	57	dB(A)
Weight	31.8	Kg
Wiring diagram	4040005	

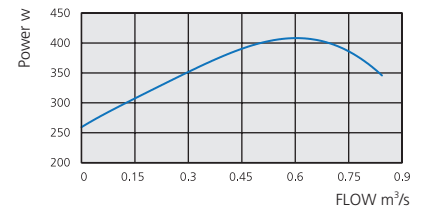
## PRESSURE/FLOW



## DIMENSIONS(mm)



## POWER/FLOW

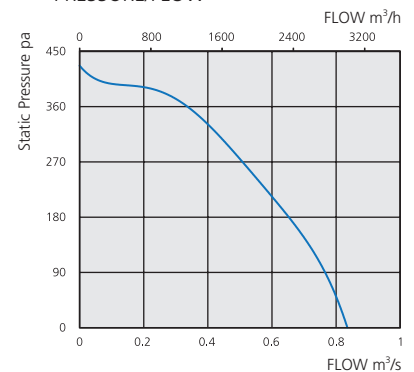


RKB 600x350 B3 50Hz

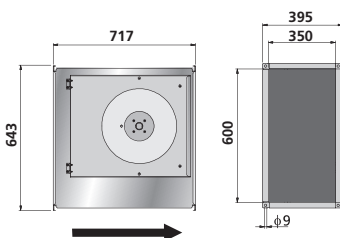
## TECHNICAL DATA

Product name	RKB 600x350 B3 50Hz	
Art. no.	1007480013	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	1.04	A
Power	338	W
Speed	1410	RPM
Capacitor	-	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	53	dB(A)
Weight	32	Kg
Wiring diagram	4040004/4040003	

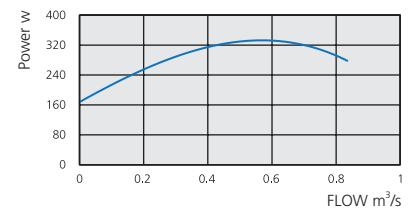
## PRESSURE/FLOW



## DIMENSIONS(mm)



## POWER/FLOW



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

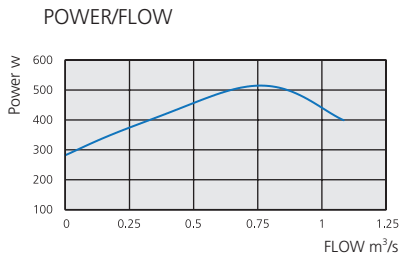
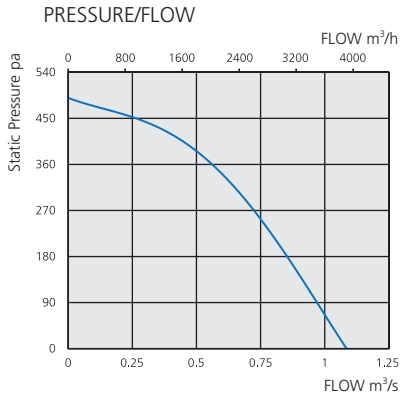
WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS

# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

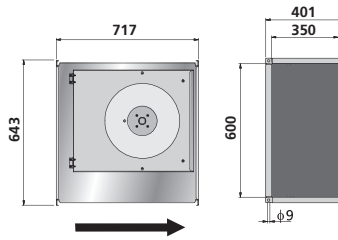
## RKB 600x350 D1 50Hz



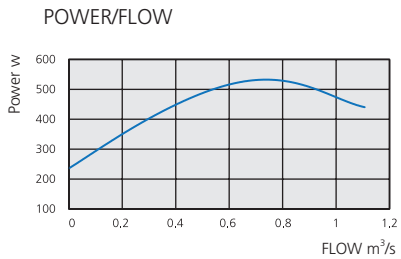
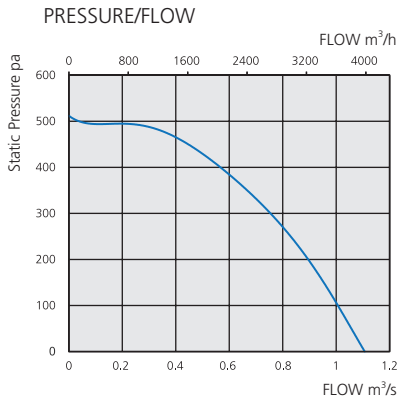
### TECHNICAL DATA

Product name	RKB 600x350 D1 50Hz	
Art. no.	1007480006	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	2.46	A
Power	515	W
Speed	1370	RPM
Capacitor	12	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	55	dB(A)
Weight	33	Kg
Wiring diagram	4040005	

### DIMENSIONS(mm)



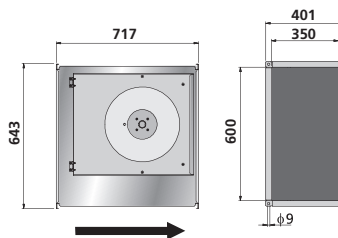
## RKB 600x350 D3 50Hz



### TECHNICAL DATA

Product name	RKB 600x350 D3 50Hz	
Art. no.	1007480014	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	1.39	A
Power	535	W
Speed	1410	RPM
Capacitor	-	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	55	dB(A)
Weight	34.3	Kg
Wiring diagram	4040004/4040003	

### DIMENSIONS(mm)





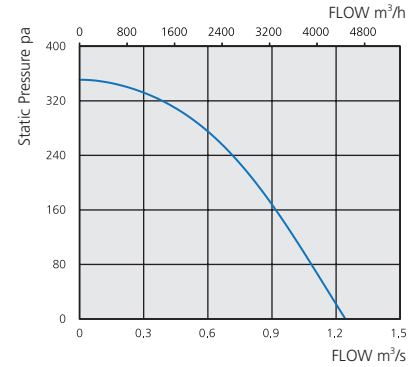
# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

RKB 700x400 C1 50Hz

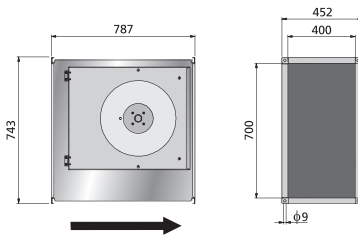
## TECHNICAL DATA

Product name	RKB 700x400 C1 50Hz	
Art. no.	1007480007	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	2.54	A
Power	543	W
Speed	910	RPM
Capacitor	12	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	55	dB(A)
Weight	46.3	Kg
Wiring diagram	4040005	

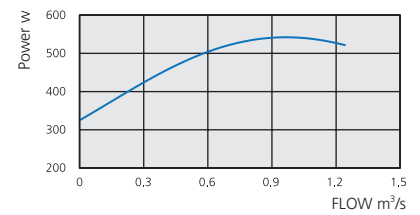
## PRESSURE/FLOW



## DIMENSIONS(mm)



## POWER/FLOW

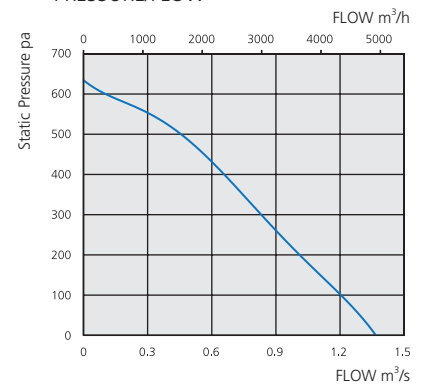


RKB 700x400 E1 50Hz

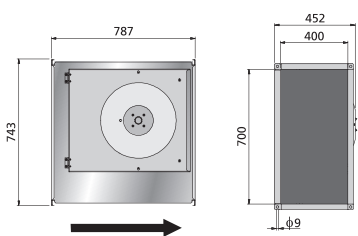
## TECHNICAL DATA

Product name	RKB 700x400 E1 50Hz	
Art. no.	1007480008	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	3.2	A
Power	680	W
Speed	1225	RPM
Capacitor	16	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	56	dB(A)
Weight	44	Kg
Wiring diagram	4040005	

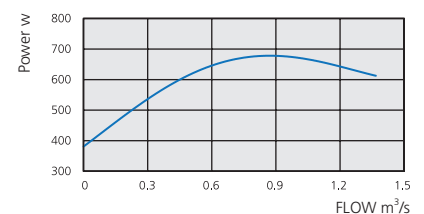
## PRESSURE/FLOW



## DIMENSIONS(mm)



## POWER/FLOW



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

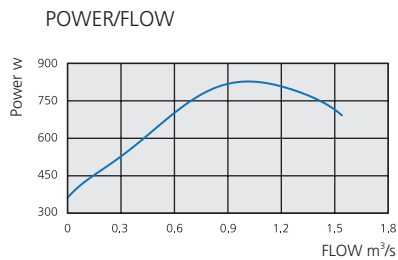
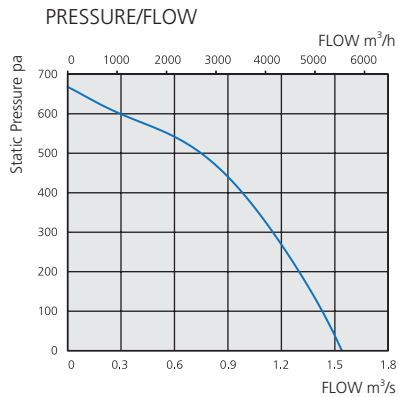
WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS

# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

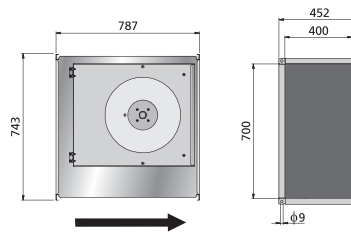
## RKB 700x400 E3 50Hz



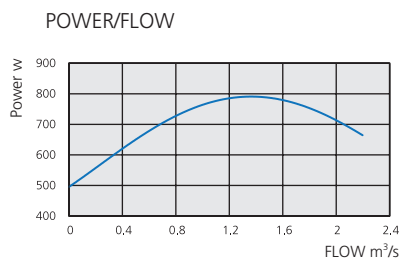
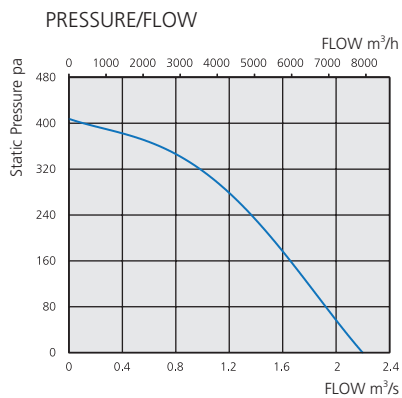
### TECHNICAL DATA

Product name	RKB 700x400 E3 50Hz	
Art. no.	1007480016	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	1.62	A
Power	822	W
Speed	1370	RPM
Capacitor	-	μF
Max temperature of transported air	60	°C
Sound pressure level at 3m	59	dB(A)
Weight	43.5	Kg
Wiring diagram	4040004/4040003	

### DIMENSIONS(mm)



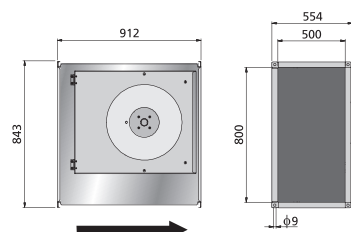
## RKB 800x500 B1 50Hz



### TECHNICAL DATA

Product name	RKB 800x500 B1 50Hz	
Art. no.	1007480009	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	3.47	A
Power	793	W
Speed	870	RPM
Capacitor	25	μF
Max temperature of transported air	60	°C
Sound pressure level at 3m	57	dB(A)
Weight	66.2	Kg
Wiring diagram	4040005	

### DIMENSIONS(mm)





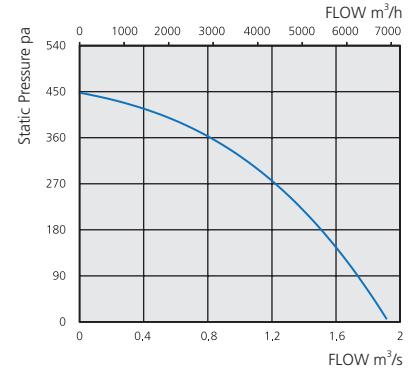
# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

RKB 800x500 B3 50Hz

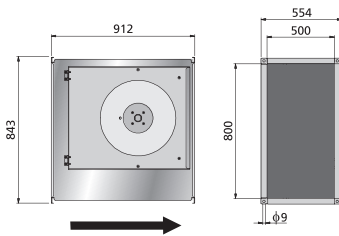
## TECHNICAL DATA

Product name	RKB 800x500 B3 50Hz	
Art. no.	1007480017	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	1.51	A
Power	811	W
Speed	890	RPM
Capacitor	-	μF
Max temperature of transported air	60	°C
Sound pressure level at 3m	57	dB(A)
Weight	64	Kg
Wiring diagram	4040004/4040003	

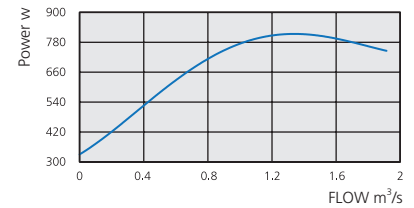
## PRESSURE/FLOW



## DIMENSIONS(mm)



## POWER/FLOW

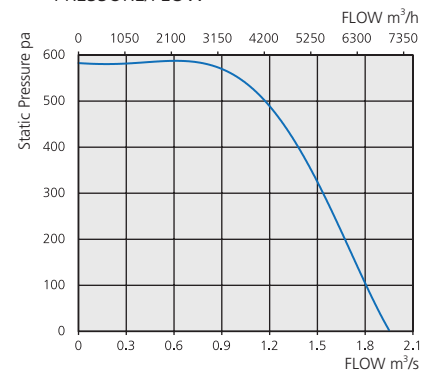


RKB 800x500 D3 50Hz

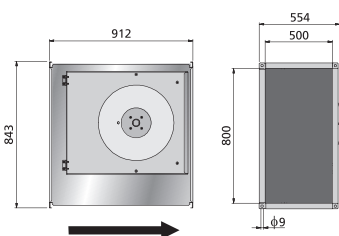
## TECHNICAL DATA

Product name	RKB 800x500 D3 50Hz	
Art. no.	1007480055	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	2.48	A
Power	1225	W
Speed	1360	RPM
Capacitor	-	μF
Max temperature of transported air	60	°C
Sound pressure level at 3m	62	dB(A)
Weight	61	Kg
Wiring diagram	4040004/4040003	

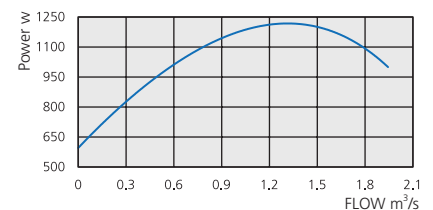
## PRESSURE/FLOW



## DIMENSIONS(mm)



## POWER/FLOW



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

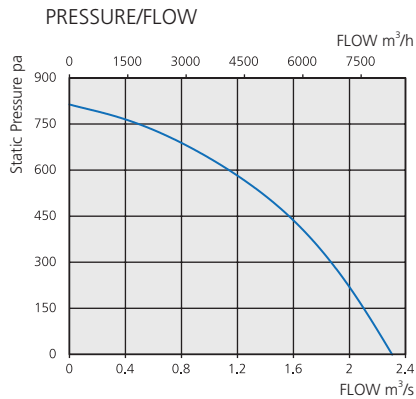
WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS

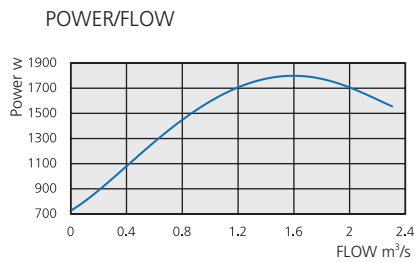
# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

## RKB 800x500 K1 50Hz

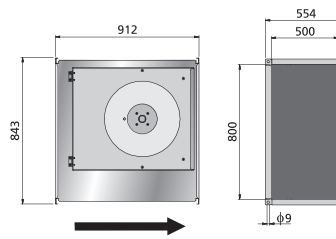


### TECHNICAL DATA

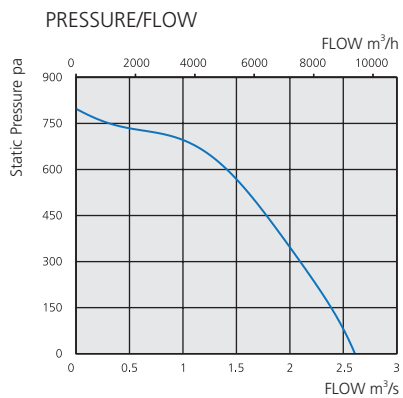
Product name	RKB 800x500 K1 50Hz	
Art. no.	1007480010	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	8.51	A
Power	1794	W
Speed	1355	RPM
Capacitor	25	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	63	dB(A)
Weight	64	Kg
Wiring diagram	4040005	



### DIMENSIONS(mm)

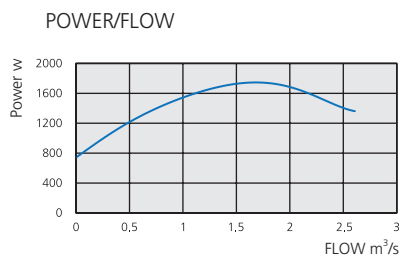


## RKB 800x500 K3 50Hz

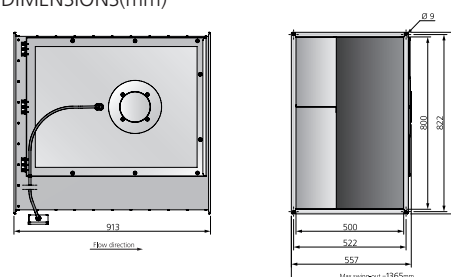


### TECHNICAL DATA

Product name	RKB 800x500 K3 50Hz	
Art. no.	1007480018	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	3.3	A
Power	1762	W
Speed	1400	RPM
Capacitor	-	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	64	dB(A)
Weight	62.5	Kg
Wiring diagram	4040004/4040003	



### DIMENSIONS(mm)





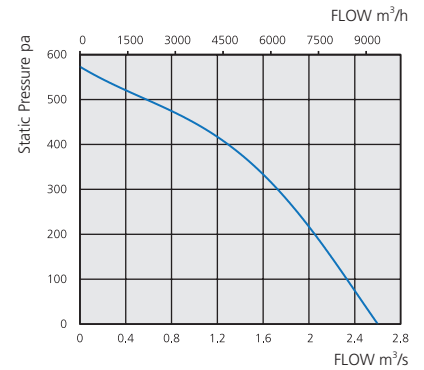
# UNINSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

RKB 1000x500 J1 50Hz

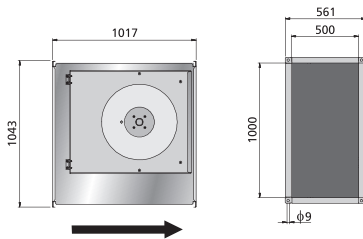
## TECHNICAL DATA

Product name	RKB 1000x500 J1 50Hz	
Art. no.	1007480011	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	5.65	A
Power	1284	W
Speed	900	RPM
Capacitor	30	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	59	dB(A)
Weight	86.2	Kg
Wiring diagram	4040005	

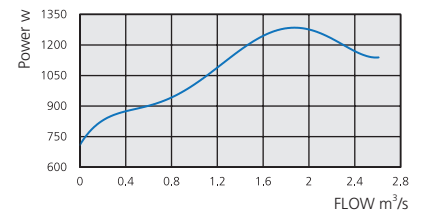
## PRESSURE/FLOW



## DIMENSIONS(mm)



## POWER/FLOW

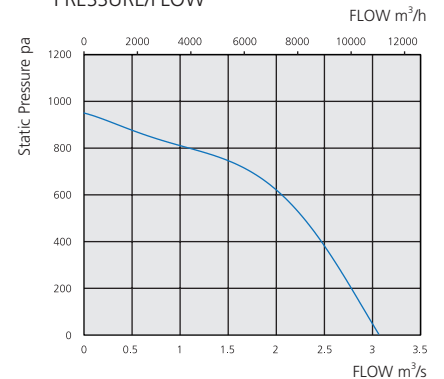


RKB 1000x500 L3 50Hz

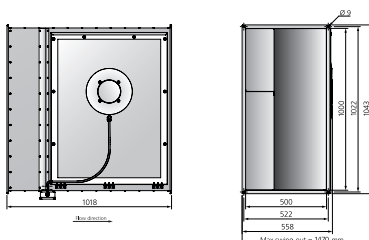
## TECHNICAL DATA

Product name	RKB 1000x500 L3 50Hz	
Art. no.	1007480012	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	4.66	A
Power	2735	W
Speed	1370	RPM
Capacitor	-	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	67	dB(A)
Weight	83	Kg
Wiring diagram	4040004/4040003	

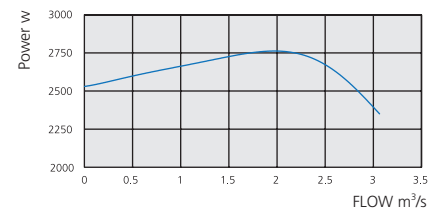
## PRESSURE/FLOW



## DIMENSIONS(mm)

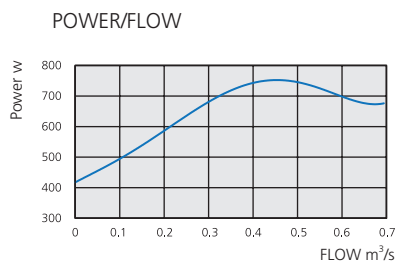
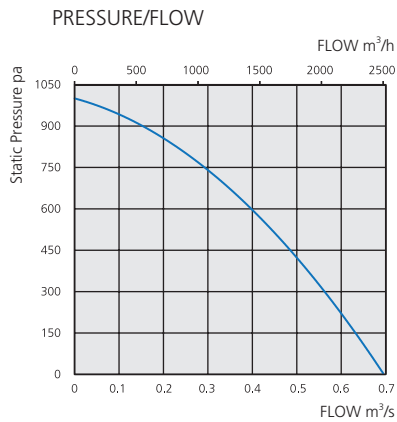


## POWER/FLOW



# INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

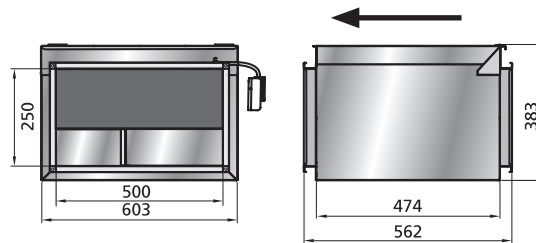
## RKBI 500x250 H1 50Hz



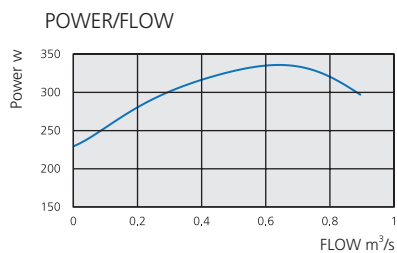
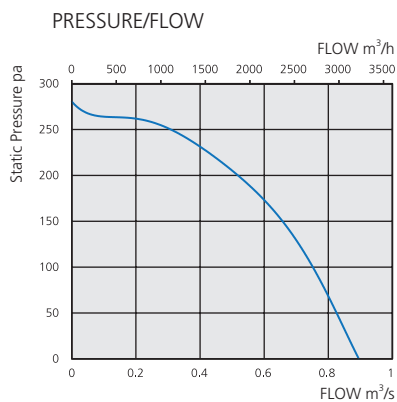
### TECHNICAL DATA

Product name	RKBI 500x250 H1 50Hz	
Art. no.	1007470031	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	3.42	A
Power	759	W
Speed	2650	RPM
Capacitor	14	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	59	dB(A)
Weight	34.1	Kg
Wiring diagram	4040005	

### DIMENSIONS(mm)



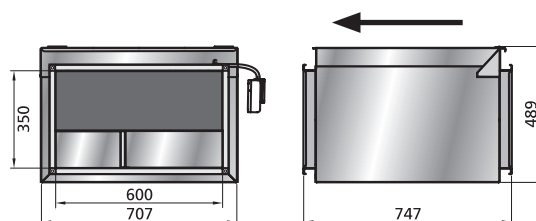
## RKBI 600x350 A1 50Hz



### TECHNICAL DATA

Product name	RKBI 600x350 A1 50Hz	
Art. no.	1007480031	
Voltage	230/50	V/Hz
Voltage range	220-240/50	V/Hz
Phase	1	~
Current	1.84	A
Power	335	W
Speed	940	RPM
Capacitor	8	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	43	dB(A)
Weight	50.1	Kg
Wiring diagram	4040005	

### DIMENSIONS(mm)



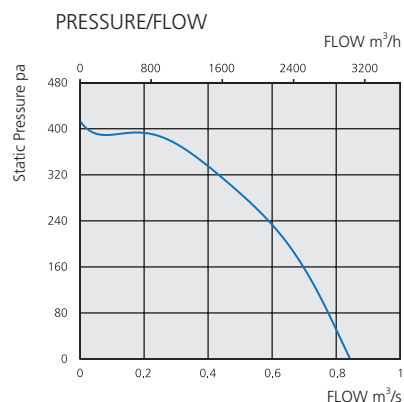


# INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

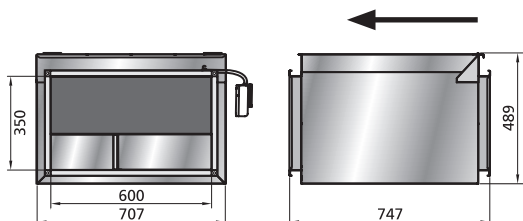
RKBI 600x350 B1 50Hz

## TECHNICAL DATA

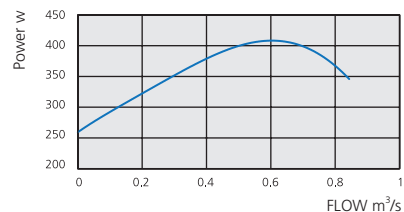
Product name	RKBI 600x350 B1 50Hz	
Art. no.	1007480032	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	2.11	A
Power	412	W
Speed	1405	RPM
Capacitor	12	μF
Max temperature of transported air	60	°C
Sound pressure level at 3m	54	dB(A)
Weight	48.1	Kg
Wiring diagram	4040005	



## DIMENSIONS(mm)



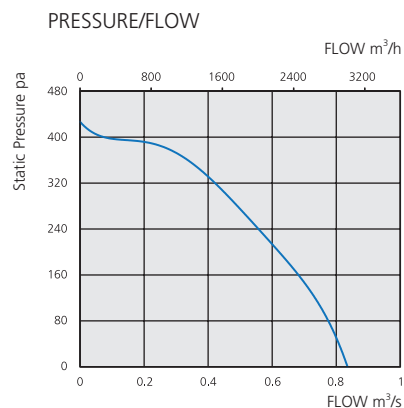
## POWER/FLOW



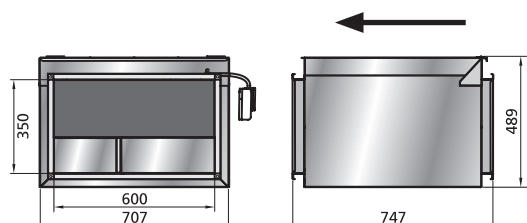
RKBI 600x350 B3 50Hz

## TECHNICAL DATA

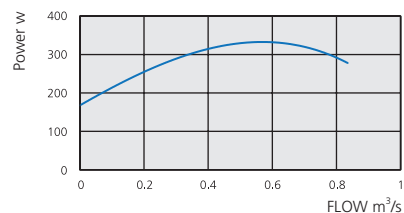
Product name	RKBI 600x350 B3 50Hz	
Art. no.	1007480033	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	1.04	A
Power	338	W
Speed	1410	RPM
Capacitor	-	μF
Max temperature of transported air	60	°C
Sound pressure level at 3m	44	dB(A)
Weight	48.2	Kg
Wiring diagram	4040004/404003	



## DIMENSIONS(mm)

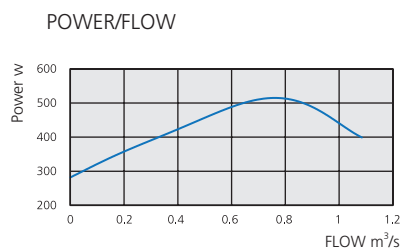
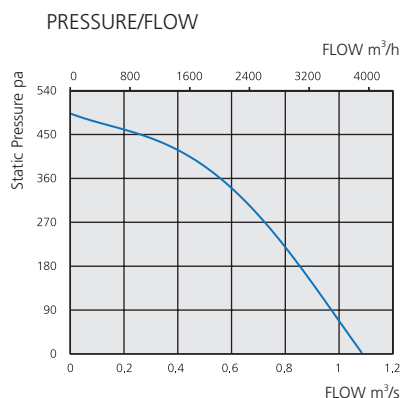


## POWER/FLOW



# INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

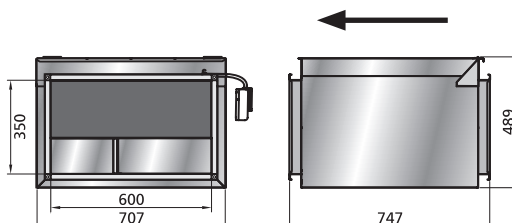
## RKBI 600x350 D1 50Hz



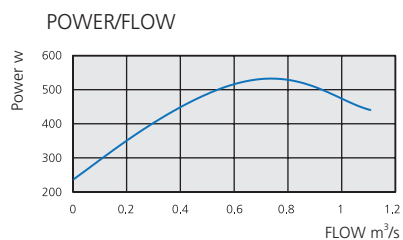
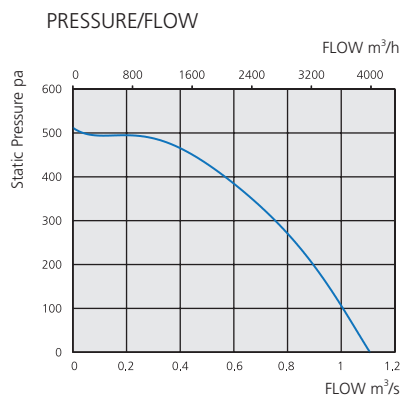
### TECHNICAL DATA

Product name	RKBI 600x350 D1 50Hz	
Art. no.	1007480034	
Voltage	230/50	V/Hz
Voltage range	220-240/50	V/Hz
Phase	1	~
Current	2.46	A
Power	515	W
Speed	1370	RPM
Capacitor	12	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	49	dB(A)
Weight	49.2	Kg
Wiring diagram	4040005	

### DIMENSIONS(mm)



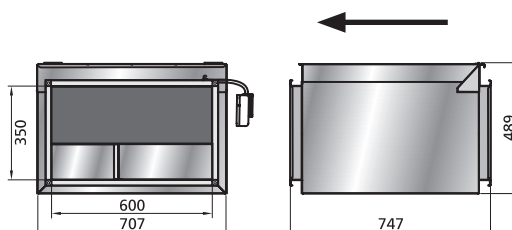
## RKBI 600x350 D3 50Hz



### TECHNICAL DATA

Product name	RKBI 600x350 D3 50Hz	
Art. no.	1007480035	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	1.39	A
Power	535	W
Speed	1410	RPM
Capacitor	-	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	49	dB(A)
Weight	50.6	Kg
Wiring diagram	4040004/4040003	

### DIMENSIONS(mm)





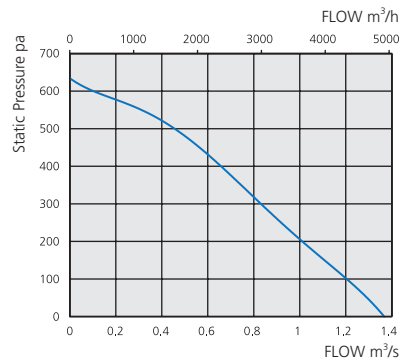
# INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

RKBI 700x400 E1 50Hz

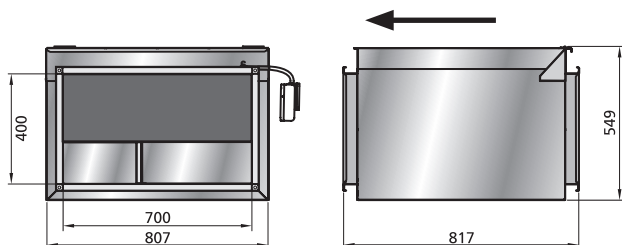
## TECHNICAL DATA

Product name	RKBI 700x400 E1 50Hz	
Art. no.	1007480038	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	3.2	A
Power	680	W
Speed	1225	RPM
Capacitor	16	µF
Max temperature of transported air	60	C
Sound pressure level at 3m	49	dB(A)
Weight	64.4	Kg
Wiring diagram	4040005	

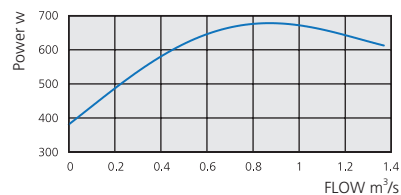
## PRESSURE/FLOW



## DIMENSIONS(mm)



## POWER/FLOW

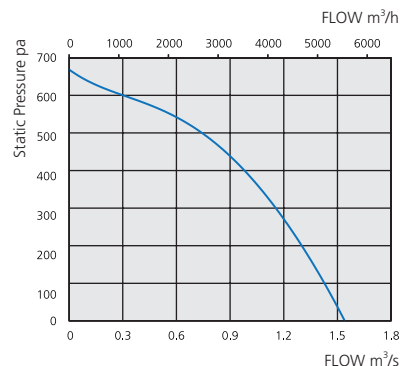


RKBI 700x400 E3 50Hz

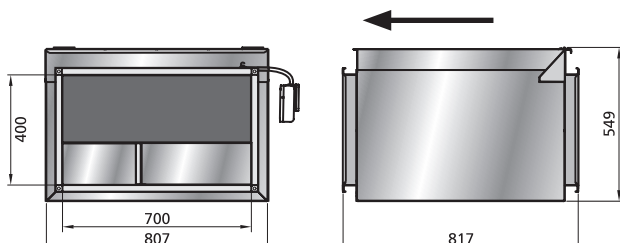
## TECHNICAL DATA

Product name	RKBI 700x400 E3 50Hz	
Art. no.	1007480039	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	1.62	A
Power	822	W
Speed	1370	RPM
Capacitor	-	µF
Max temperature of transported air	60	C
Sound pressure level at 3m	51	dB(A)
Weight	63.9	Kg
Wiring diagram	4040004/4040003	

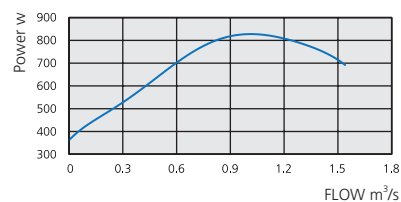
## PRESSURE/FLOW



## DIMENSIONS(mm)

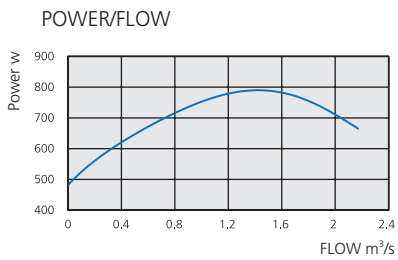
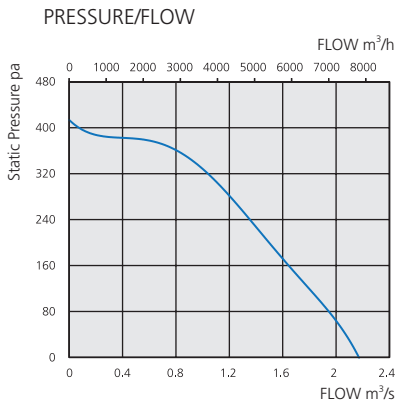


## POWER/FLOW



# INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

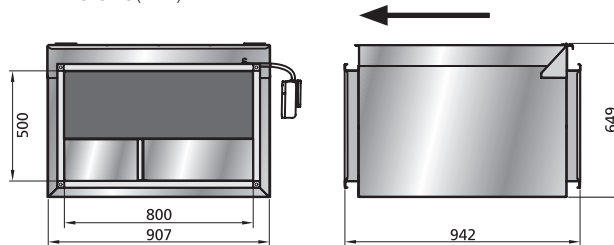
## RKBI 800x500 B1 50Hz



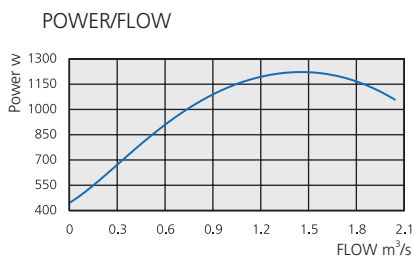
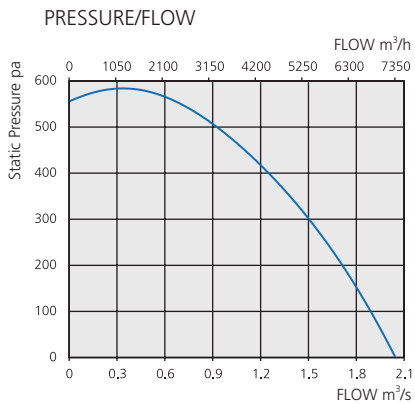
### TECHNICAL DATA

Product name	RKBI 800x500 B1 50Hz	
Art. no.	1007480040	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	3.47	A
Power	793	W
Speed	870	RPM
Capacitor	25	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	51	dB(A)
Weight	92.2	Kg
Wiring diagram	4040005	

### DIMENSIONS(mm)



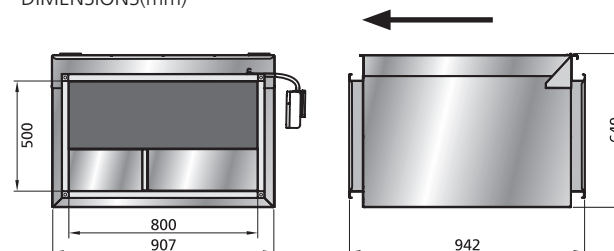
## RKBI 800x500 D3 50Hz



### TECHNICAL DATA

Product name	RKBI 800x500 D3 50Hz	
Art. no.	1007480056	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	2.48	A
Power	1225	W
Speed	1310	RPM
Capacitor	-	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	56	dB(A)
Weight	70	Kg
Wiring diagram	4040004/4040003	

### DIMENSIONS(mm)



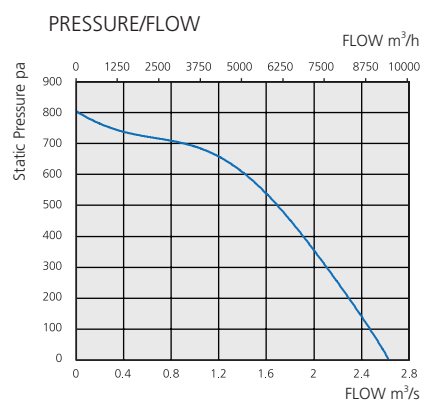


# INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

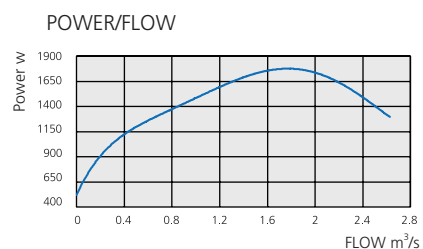
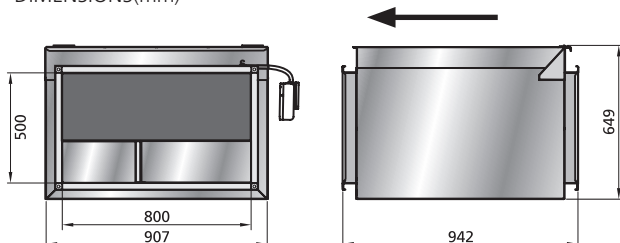
## RKBI 800x500 K3 50Hz

### TECHNICAL DATA

Product name	RKBI 800x500 K3 50Hz	
Art. no.	1007480043	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	3.3	A
Power	1762	W
Speed	1390	RPM
Capacitor	-	μF
Max temperature of transported air	60	C
Sound pressure level at 3m	57	dB(A)
Weight	88.7	Kg
Wiring diagram	4040004/4040003	



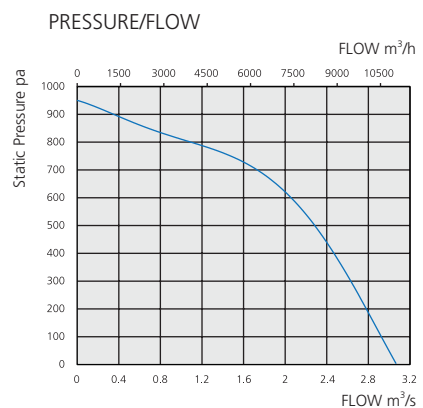
### DIMENSIONS(mm)



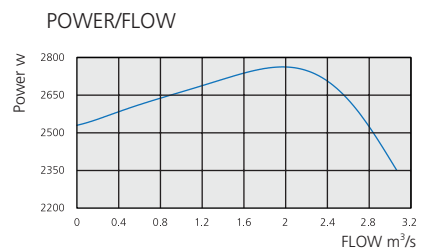
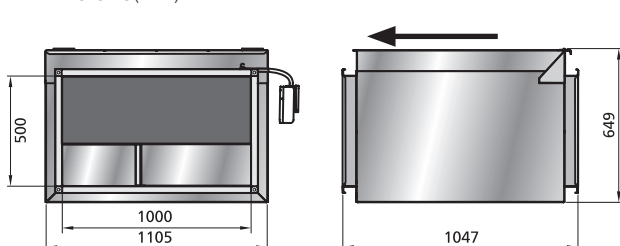
## RKBI 1000x500 L3 50Hz

### TECHNICAL DATA

Product name	RKBI 1000x500 L3 50Hz	
Art. no.	1007480046	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	4.66	A
Power	2735	W
Speed	1370	RPM
Capacitor	-	μF
Max temperature of transported air	60	C
Sound pressure level at 3m	58	dB(A)
Weight	111	Kg
Wiring diagram	4040004/4040003	

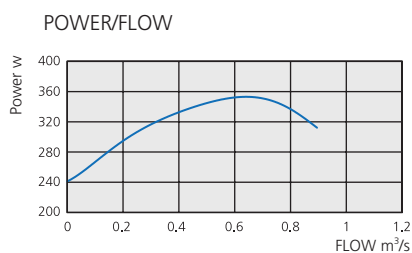
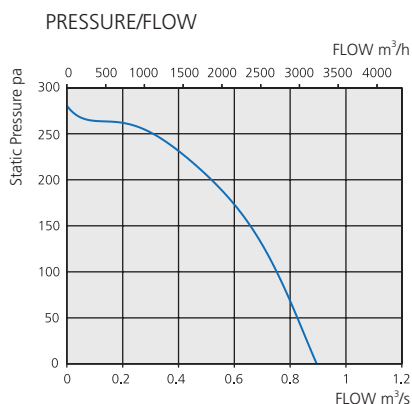
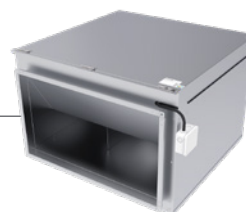


### DIMENSIONS(mm)



# INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

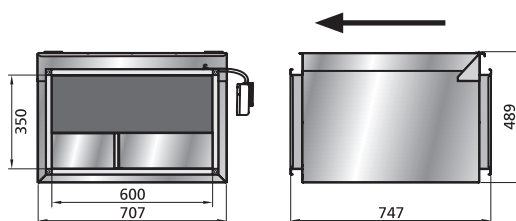
## RKBI 600x350 A1-ds 50Hz



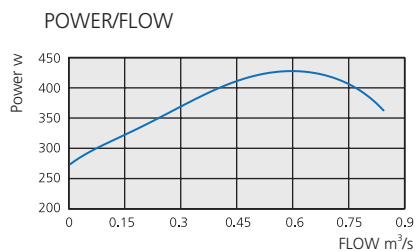
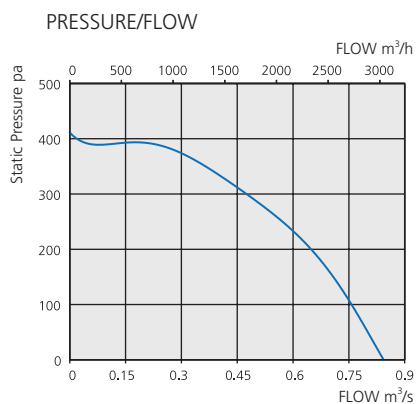
### TECHNICAL DATA

Product name	RKBI 600x350 A1-ds 50Hz	
Art. no.	1007481031	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	1.93	A
Power	352	W
Speed	940	RPM
Capacitor	8	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	44	dB(A)
Weight	58	Kg
Wiring diagram	4040005	

### DIMENSIONS(mm)



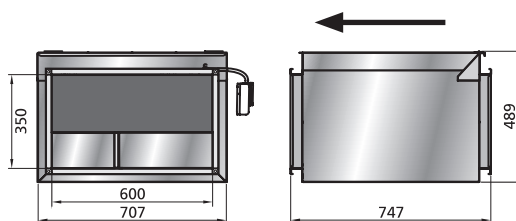
## RKBI 600x350 B1-ds 50Hz

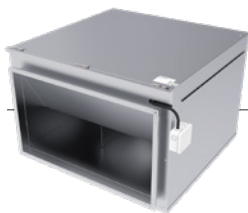


### TECHNICAL DATA

Product name	RKBI 600x350 B1-ds 50Hz	
Art. no.	1007481032	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	2.21	A
Power	433	W
Speed	1405	RPM
Capacitor	12	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	55	dB(A)
Weight	56	Kg
Wiring diagram	4040005	

### DIMENSIONS(mm)



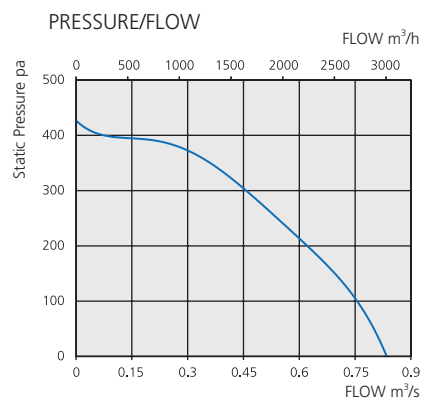


# INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

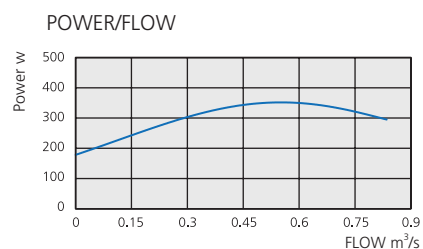
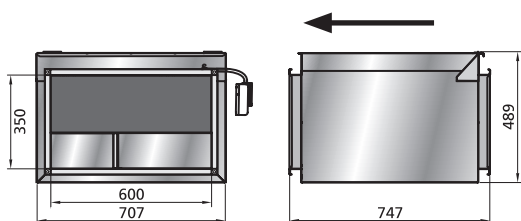
## RKBI 600x350 B3-ds 50Hz

### TECHNICAL DATA

Product name	RKBI 600x350 B3-ds 50Hz	
Art. no.	1007481033	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	1.09	A
Power	355	W
Speed	1410	RPM
Capacitor	-	μF
Max temperature of transported air	60	C
Sound pressure level at 3m	45	dB(A)
Weight	56	Kg
Wiring diagram	4040004/404003	



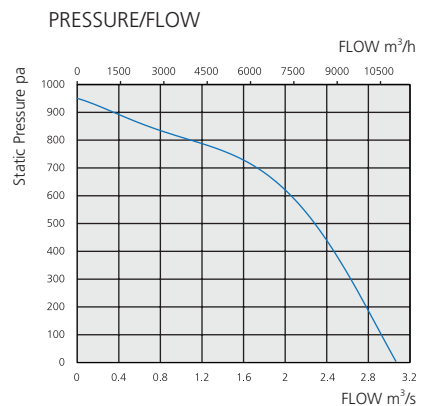
### DIMENSIONS(mm)



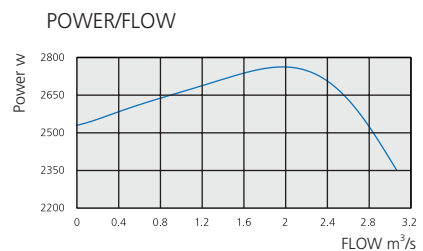
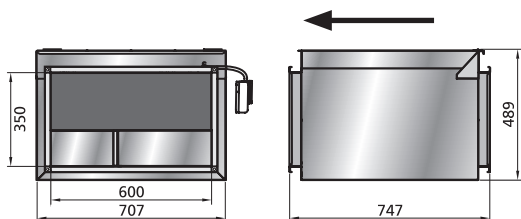
## RKBI 600x350 D1-ds 50Hz

### TECHNICAL DATA

Product name	RKBI 600x350 D1-ds 50Hz	
Art. no.	1007481034	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	2.58	A
Power	541	W
Speed	1370	RPM
Capacitor	12	μF
Max temperature of transported air	60	C
Sound pressure level at 3m	50	dB(A)
Weight	57	Kg
Wiring diagram	4040005	

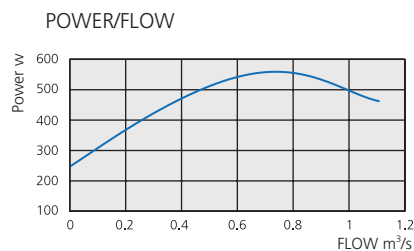
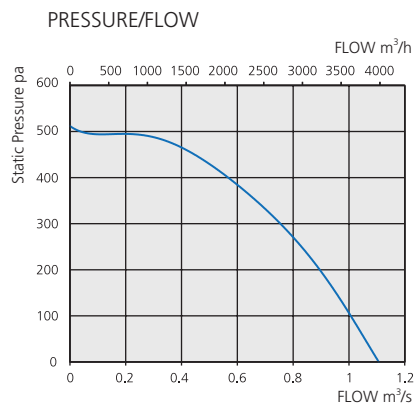
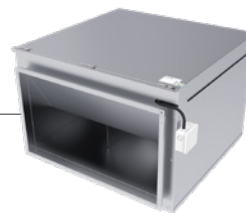


### DIMENSIONS(mm)



# INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

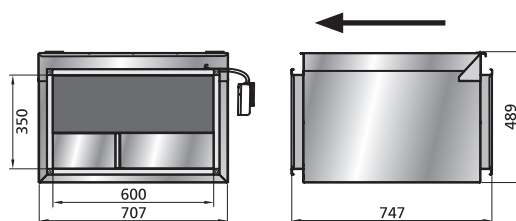
## RKBI 600x350 D3-ds 50Hz



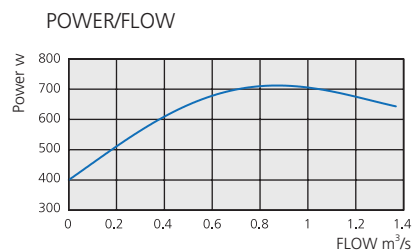
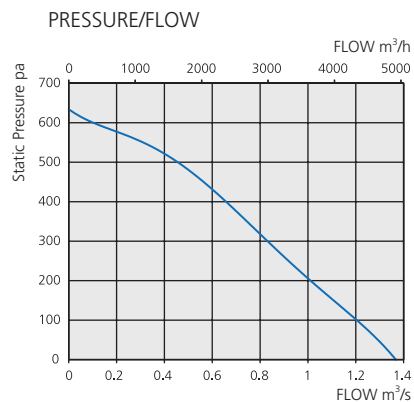
### TECHNICAL DATA

Product name	RKBI 600x350 D3-ds 50Hz	
Art. no.	1007481035	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	1.46	A
Power	562	W
Speed	1410	RPM
Capacitor	-	μF
Max temperature of transported air	60	°C
Sound pressure level at 3m	50	dB(A)
Weight	58	Kg
Wiring diagram	4040004/4040003	

### DIMENSIONS(mm)



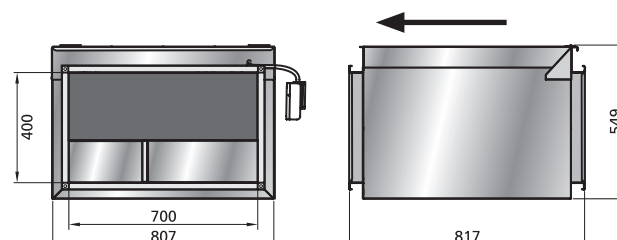
## RKBI 700x400 E1-ds 50Hz

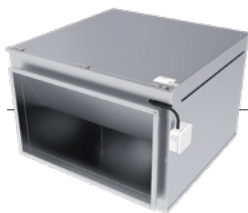


### TECHNICAL DATA

Product name	RKBI 700x400 E1-ds 50Hz	
Art. no.	1007481038	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	3.36	A
Power	714	W
Speed	1225	RPM
Capacitor	16	μF
Max temperature of transported air	60	°C
Sound pressure level at 3m	50	dB(A)
Weight	70	Kg
Wiring diagram	4040005	

### DIMENSIONS(mm)



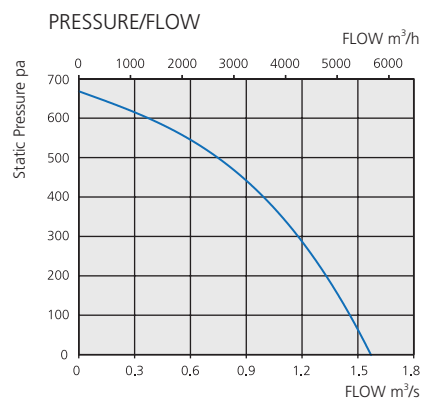


# INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

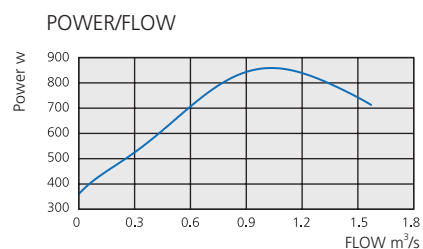
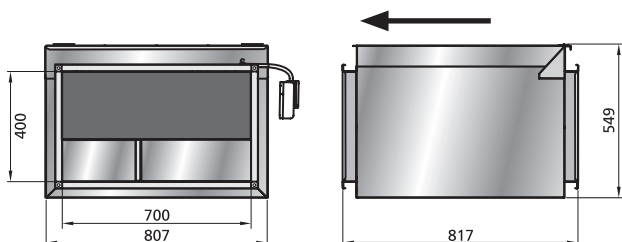
## RKBI 700x400 E3-ds 50Hz

### TECHNICAL DATA

Product name	RKBI 700x400 E3-ds 50Hz		
Art. no.	1007481039		
Voltage	Y 400/Δ 230 /50	V/Hz	
Voltage range	380-415 /50	V/Hz	
Phase	3	~	
Current	1.8	A	
Power	863	W	
Speed	1370	RPM	
Capacitor	-	μF	
Max temperature of transported air	60	°C	
Sound pressure level at 3m	52	dB(A)	
Weight	70	Kg	
Wiring diagram	4040004/4040003		



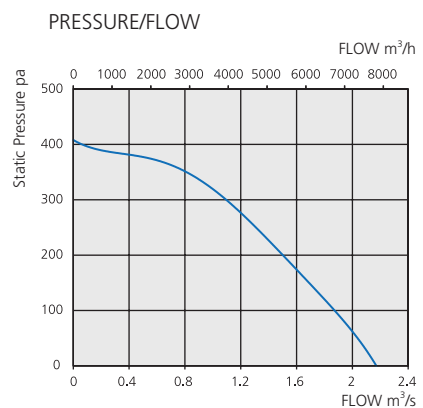
### DIMENSIONS(mm)



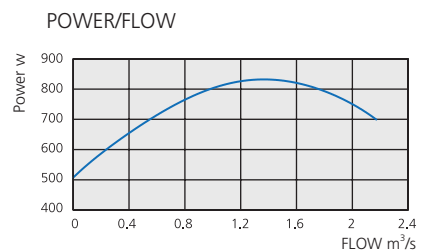
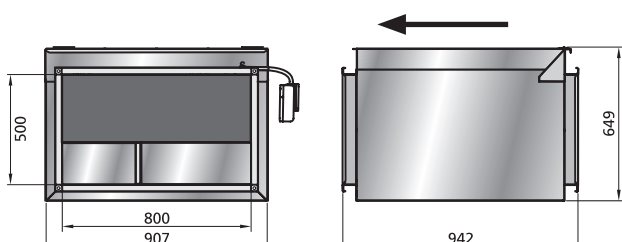
## RKBI 800x500 B1-ds 50Hz

### TECHNICAL DATA

Product name	RKBI 800x500 B1-ds 50Hz		
Art. no.	1007481040		
Voltage	230/50	V/Hz	
Voltage range	220-240 /50	V/Hz	
Phase	1	~	
Current	3.64	A	
Power	833	W	
Speed	870	RPM	
Capacitor	25	μF	
Max temperature of transported air	60	°C	
Sound pressure level at 3m	52	dB(A)	
Weight	105	Kg	
Wiring diagram	4040005		



### DIMENSIONS(mm)



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

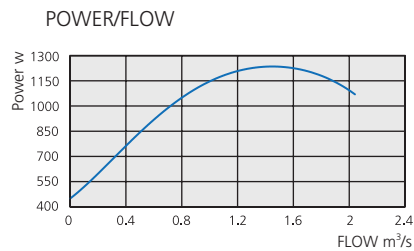
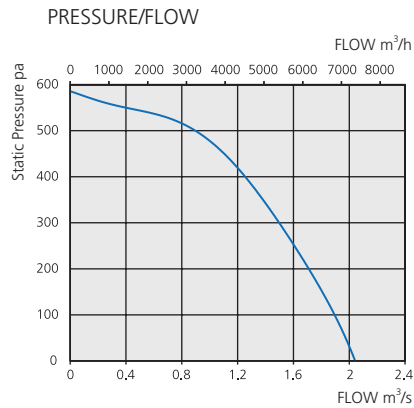
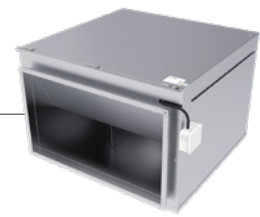
WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS

# INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

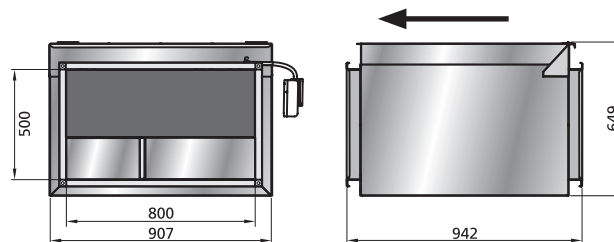
## RKBI 800x500 D3-ds 50Hz



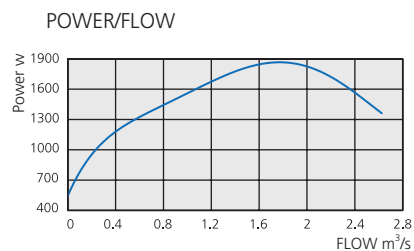
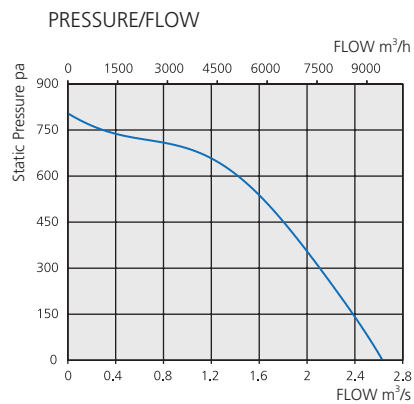
### TECHNICAL DATA

Product name	RKBI 800x500 D3-ds 50Hz	
Art. no.	1007481056	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	2.48	A
Power	1239	W
Speed	1310	RPM
Capacitor	-	μF
Max temperature of transported air	60	°C
Sound pressure level at 3m	57	dB(A)
Weight	103	Kg
Wiring diagram	4040004/404003	

### DIMENSIONS(mm)



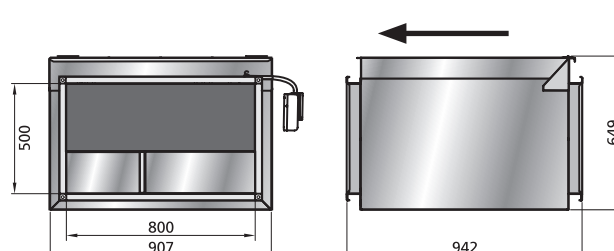
## RKBI 800x500 K3-ds 50Hz

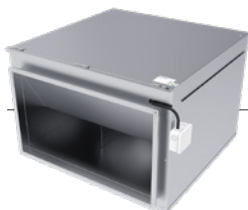


### TECHNICAL DATA

Product name	RKBI 800x500 K3-ds 50Hz	
Art. no.	1007481043	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	3.46	A
Power	1850	W
Speed	1390	RPM
Capacitor	-	μF
Max temperature of transported air	60	°C
Sound pressure level at 3m	58	dB(A)
Weight	102	Kg
Wiring diagram	4040004/404003	

### DIMENSIONS(mm)



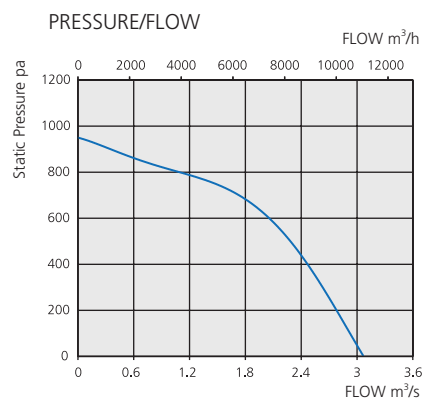


# INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

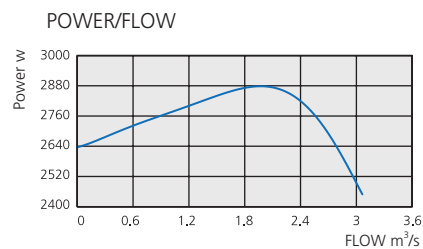
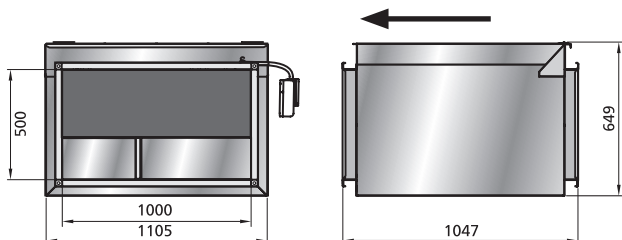
RKBI 1000x500 L3-ds 50Hz

## TECHNICAL DATA

Product name	RKBI 1000x500 L3-ds 50Hz	
Art. no.	1007481046	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	4.85	A
Power	2872	W
Speed	1370	RPM
Capacitor	-	μF
Max temperature of transported air	60	°C
Sound pressure level at 3m	59	dB(A)
Weight	127	Kg
Wiring diagram	4040004/404003	



## DIMENSIONS(mm)



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

WALL FANS

MECHANICAL ACCESSORIES

GENERAL FAN FACTS



Dimension(mm)

# FBS 500x500 A3 AC-cp

FAN  
BOX  
Square connection

AC=Asynchronous fan motor

Cable Protection

1= 1- phase  
3= 3-phase  
Power (A/B/C/D)

### WITH RECTANGULAR CONNECTION

FBS is a duct fan with square connections. FBS has high capacity and very good efficiency. FBS is very compact, with only slightly larger dimensions than the duct. FBS is available with AC motor.

FBS-cp is the same performance with FBS, the difference is designed with cable protection and steel junction box, is applicable to some places with high safety requirements.

Airflows up to 14210m<sup>3</sup>/h (3.95 m<sup>3</sup>/s).

FBS ..... Page 90

CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

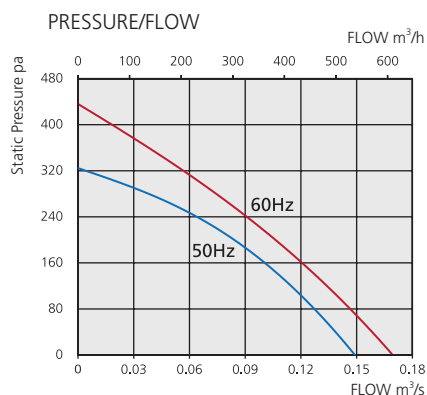
WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS

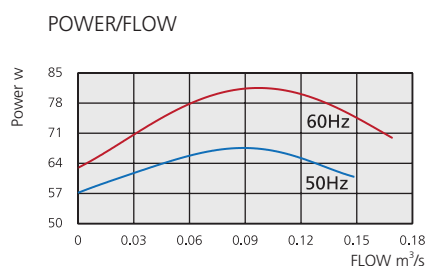
# BOX FAN WITH RECTANGULAR CONNECTIONS

## FBS 300x300 A1

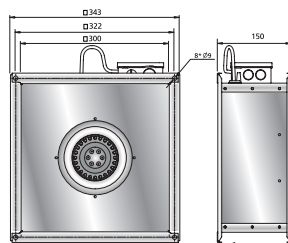


### TECHNICAL DATA

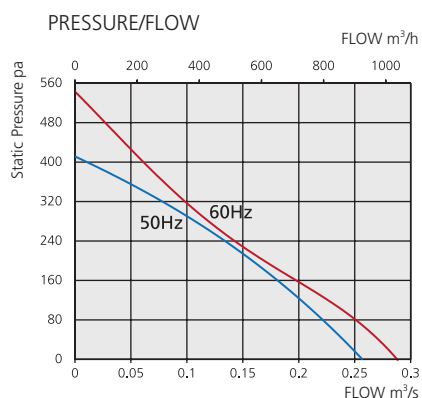
	FBS 300x300 A1	FBS 300x300 A1	
Product name	FBS 300x300 A1	FBS 300x300 A1	
Art. no.	1007460010	1007460010	
Voltage	230 /60	230 /50	V/Hz
Voltage range	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	~
Current	0.36	0.3	A
Power	82	68	W
Speed	2650	2440	RPM
Capacitor	2	2	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	45	43	dB(A)
Weight	4.5	4.5	Kg
Wiring diagram	4040001	4040001	



### DIMENSIONS (mm)

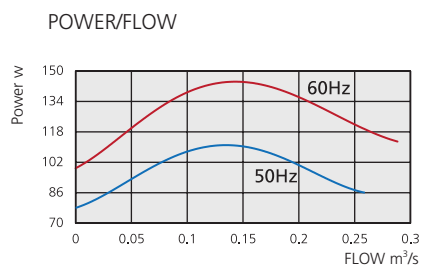


## FBS 400x400 A1

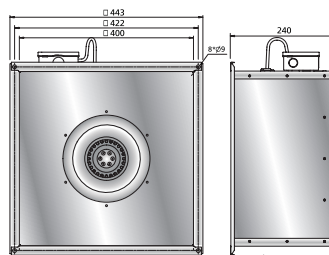


### TECHNICAL DATA

	FBS 400x400 A1	FBS 400x400 A1	
Product name	FBS 400x400 A1	FBS 400x400 A1	
Art. no.	1007460011	1007460011	
Voltage	230 /60	230 /50	V/Hz
Voltage range	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	~
Current	0.63	0.49	A
Power	145	111	W
Speed	2420	2385	RPM
Capacitor	2.5	2.5	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	47	45	dB(A)
Weight	7.5	7.5	Kg
Wiring diagram	4040001	4040001	



### DIMENSIONS (mm)



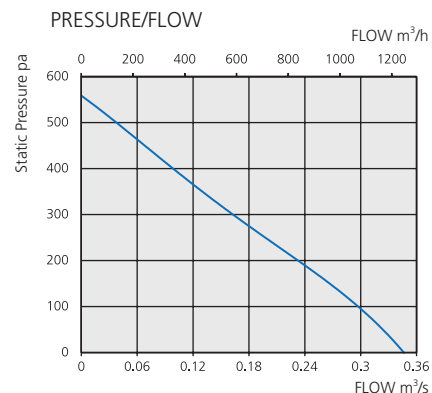


## BOX FAN WITH RECTANGULAR CONNECTIONS

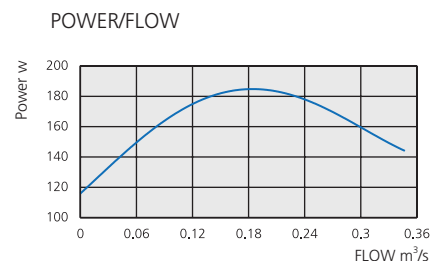
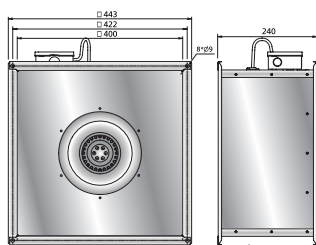
FBS 400x400 B1 50Hz

### TECHNICAL DATA

Product name	FBS 400x400 B1 50Hz	
Art. no.	1007460012	
Voltage	230 /50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.81	A
Power	184	W
Speed	2290	RPM
Capacitor	3	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	49	dB(A)
Weight	8.5	Kg
Wiring diagram	4040001	



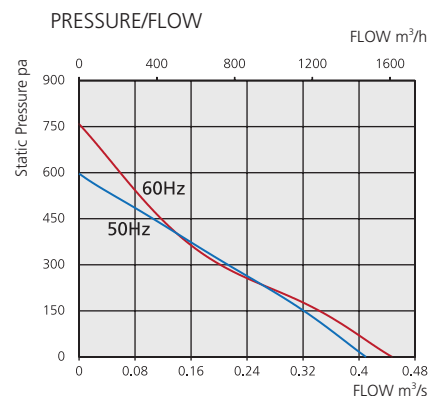
### DIMENSIONS (mm)



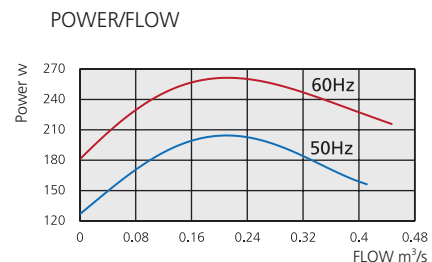
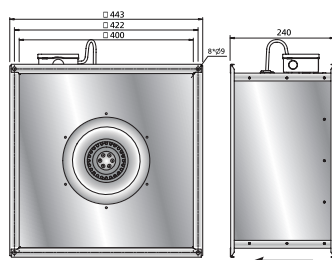
FBS 400x400 C 1

### TECHNICAL DATA

	FBS 400x400 C 1	FBS 400x400 C 1
Product name	FBS 400x400 C 1	FBS 400x400 C 1
Art. no.	1007460013	1007460013
Voltage	230 /60	230 /50
Voltage range	220-240 /50/60	220-240 /50/60
Phase	1	1 ~
Current	1.13	0.89
Power	260	205
Speed	2295	2350
Capacitor	5	5
Max temperature of transported air	60	60
Sound pressure level at 3m	52	50
Weight	8.5	8.5
Wiring diagram	4040001	4040001

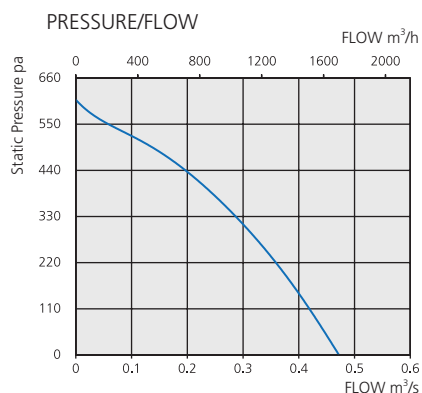


### DIMENSIONS (mm)



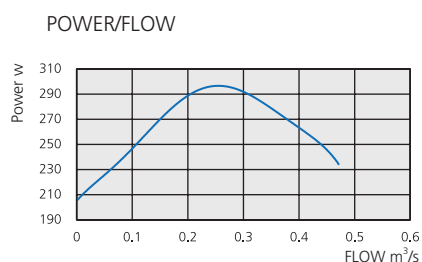
# BOX FAN WITH RECTANGULAR CONNECTIONS

## FBS 400x400 D1 50Hz

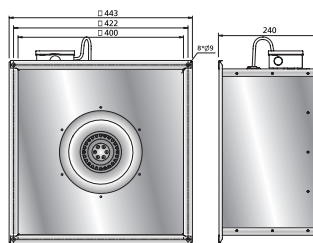


### TECHNICAL DATA

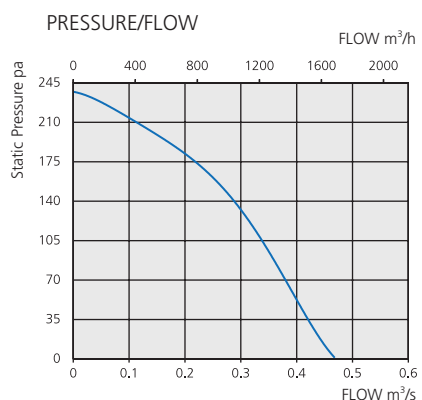
Product name	FBS 400x400 D1 50Hz	
Art. no.	1007460014	
Voltage	230 /50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	1.3	A
Power	297	W
Speed	2485	RPM
Capacitor	8	µF
Max temperature of transported air	50	°C
Sound pressure level at 3m	55	dB(A)
Weight	9	Kg
Wiring diagram	4040001	



### DIMENSIONS (mm)

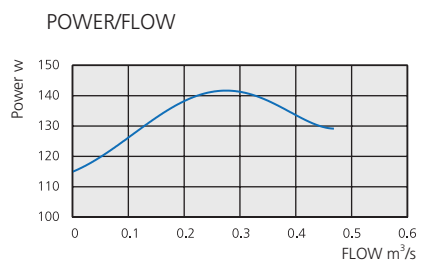


## FBS 450x450 A1 50Hz

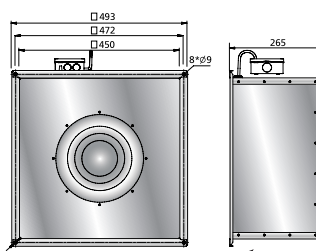


### TECHNICAL DATA

Product name	FBS 450x450 A1 50Hz	
Art. no.	1007460015	
Voltage	230 /50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.62	A
Power	142	W
Speed	1230	RPM
Capacitor	5	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	45	dB(A)
Weight	12	Kg
Wiring diagram	4040001	



### DIMENSIONS (mm)



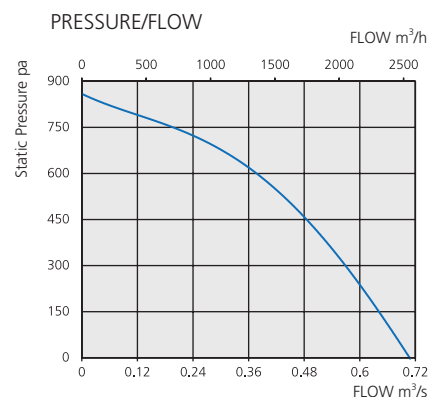


## BOX FAN WITH RECTANGULAR CONNECTIONS

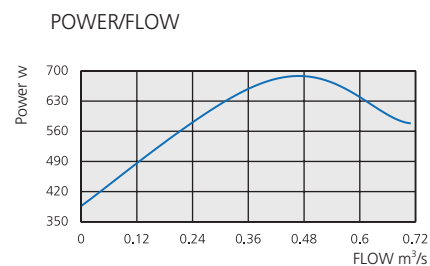
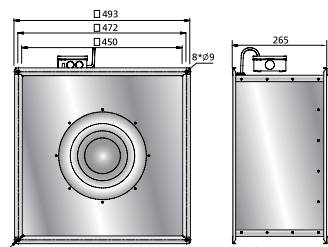
### FBS 450x450 B1 50Hz

#### TECHNICAL DATA

Product name	FBS 450x450 B1-cp 50Hz	FBS 450x450 B1 50Hz	
Art. no.	1007462016	1007460016	
Voltage	230 /50	230 /50	V/Hz
Voltage range	220-240 /50	220-240 /50	V/Hz
Phase	1	1	~
Current	3.14	3.14	A
Power	689	689	W
Speed	1700	1700	RPM
Capacitor	14	14	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	55	55	dB(A)
Weight	15	15	Kg
Wiring diagram	4040005	4040005	



#### DIMENSIONS (mm)

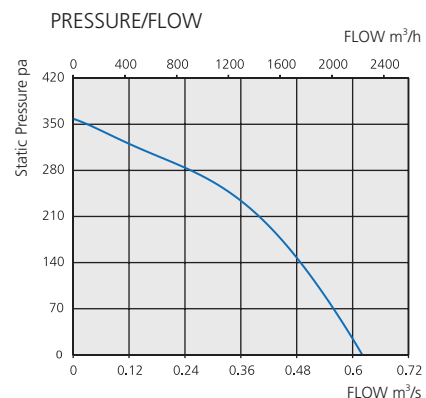


### FBS 500x500 A1 50Hz

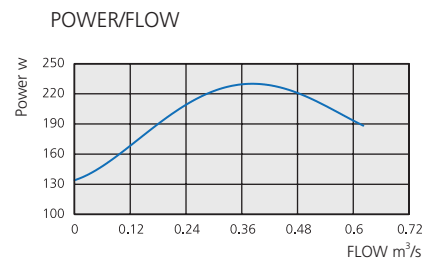
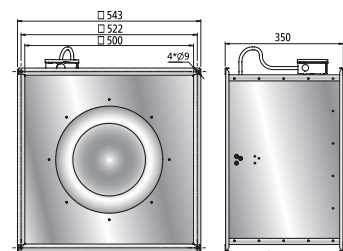
#### TECHNICAL DATA



Product name	FBS 500x500 A1	FBS 500x500 A1 50Hz	
Art. no.	1907460008	1007460008	
Voltage	230 /50	230 /50	V/Hz
Voltage range	220-240 /50	220-240 /50	V/Hz
Phase	1	1	~
Current	1.01	1.01	A
Power	229	229	W
Speed	1375	1375	RPM
Capacitor	6	6	µF
Max temperature of transported air	55	55	°C
Sound pressure level at 3m	47	47	dB(A)
Weight	18	18	Kg
Wiring diagram	4040005	4040005	

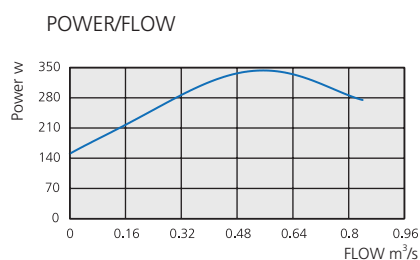
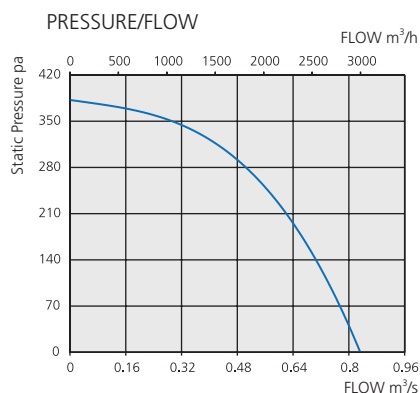


#### DIMENSIONS (mm)



# BOX FAN WITH RECTANGULAR CONNECTIONS

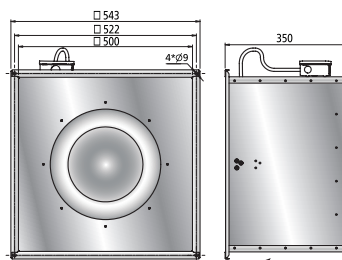
## FBS 500x500 A3 50Hz



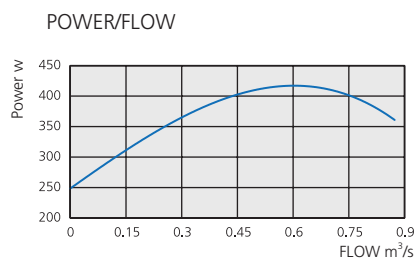
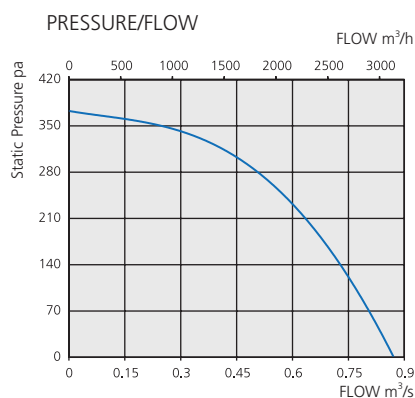
### TECHNICAL DATA

	FBS 500x500 A3-cp 50Hz	FBS 500x500 A3 50Hz
Product name	FBS 500x500 A3-cp 50Hz	FBS 500x500 A3 50Hz
Art. no.	1007462003	1007460003
Voltage	Y 400/Δ 230 /50	Y 400/Δ 230 /50
Voltage range	380-415 /50	380-415 /50
Phase	3	3 ~
Current	0.99	0.99
Power	344	344
Speed	1425	1425
Capacitor	-	-
Max temperature of transported air	60	60
Sound pressure level at 3m	52	52
Weight	22	22
Wiring diagram	4040004/4040003	4040004/4040003

### DIMENSIONS (mm)



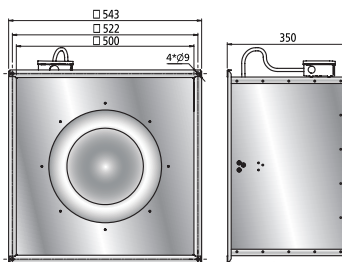
## FBS 500x500 B1 50Hz



### TECHNICAL DATA

	FBS 500x500 B1-cp 50Hz	FBS 500x500 B1 50Hz
Product name	FBS 500x500 B1-cp 50Hz	FBS 500x500 B1 50Hz
Art. no.	1007462009	1007460009
Voltage	230 /50	230 /50
Voltage range	220-240 /50	220-240 /50
Phase	1	1 ~
Current	2.24	2.24
Power	418	418
Speed	1420	1420
Capacitor	12	12
Max temperature of transported air	60	60
Sound pressure level at 3m	49	49
Weight	22	22
Wiring diagram	4040005	4040005

### DIMENSIONS (mm)



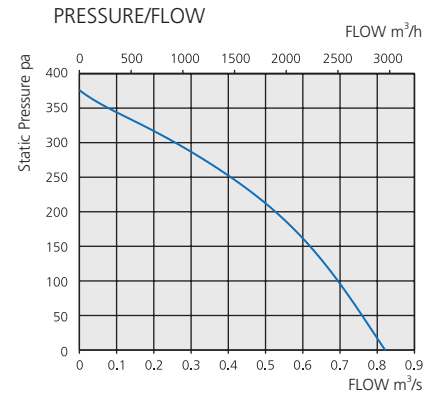


## BOX FAN WITH RECTANGULAR CONNECTIONS

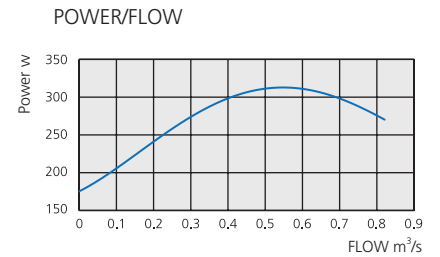
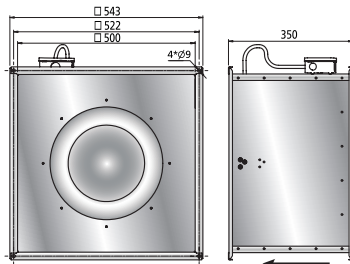
FBS 500x500 C1 50Hz

### TECHNICAL DATA

Product name	FBS 500x500 C1 50Hz	
Art. no.	1007460018	
Voltage	230 /50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	1.4	A
Power	313	W
Speed	1280	RPM
Capacitor	7	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	47	dB(A)
Weight	21.5	Kg
Wiring diagram	4040005	



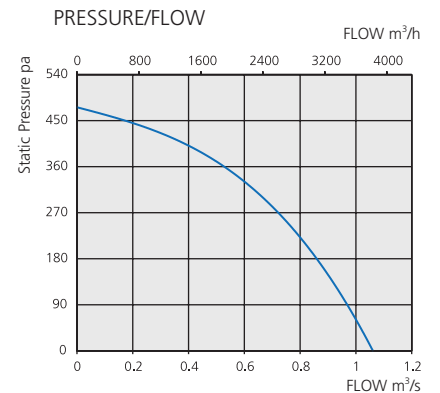
### DIMENSIONS (mm)



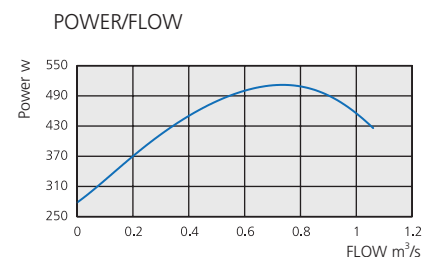
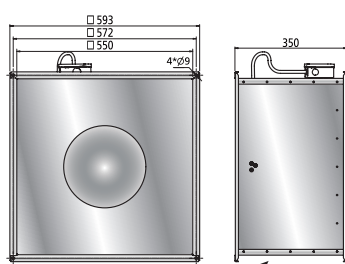
FBS 550x550 A1 50Hz

### TECHNICAL DATA

Product name	FBS 550x550 A1-cp 50Hz	FBS 550x550 A1 50Hz
Art. no.	1007462007	1007460007
Voltage	230 /50	230 /50
Voltage range	220-240 /50	220-240 /50
Phase	1	1 ~
Current	2.22	2.22
Power	509	509
Speed	1400	1400
Capacitor	12	12
Max temperature of transported air	60	60
Sound pressure level at 3m	52	52
Weight	22	22
Wiring diagram	4040005	4040005



### DIMENSIONS (mm)



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

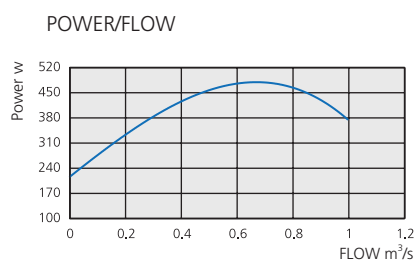
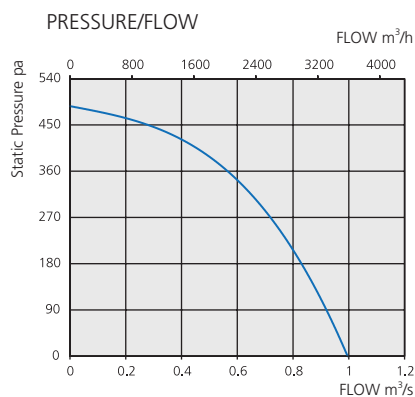
WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS

# BOX FAN WITH RECTANGULAR CONNECTIONS

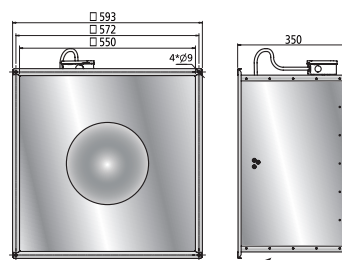
## FBS 550x550 A3 50Hz



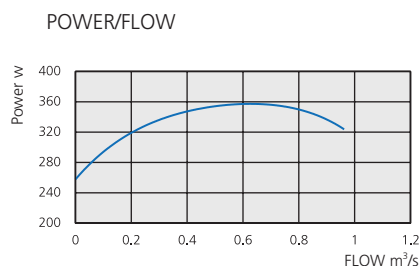
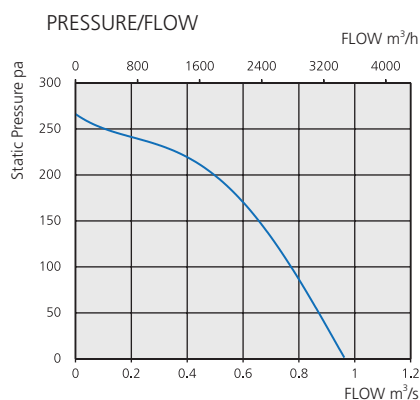
### TECHNICAL DATA

	FBS 550x550 A3-cp 50Hz	FBS 550x550 A3 50Hz	
Product name	FBS 550x550 A3-cp 50Hz	FBS 550x550 A3 50Hz	
Art. no.	1007462002	1007460002	
Voltage	Y 400/Δ 230 /50	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	380-415 /50	V/Hz
Phase	3	3	~
Current	1.3	1.3	A
Power	477	477	W
Speed	1420	1420	RPM
Capacitor	-	-	μF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	51	51	dB(A)
Weight	24	24	Kg
Wiring diagram	4040004/4040003	4040004/4040003	

### DIMENSIONS (mm)



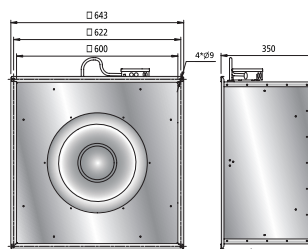
## FBS 600x600 A1 50Hz



### TECHNICAL DATA

	FBS 600x600 A1-cp 50Hz	FBS 600x600 A1 50Hz	
Product name	FBS 600x600 A1-cp 50Hz	FBS 600x600 A1 50Hz	
Art. no.	1007462021	1007460021	
Voltage	230 /50	230 /50	V/Hz
Voltage range	220-240 /50	220-240 /50	V/Hz
Phase	1	1	~
Current	2.14	2.14	A
Power	357	357	W
Speed	940	940	RPM
Capacitor	8	8	μF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	43	43	dB(A)
Weight	26.5	26.5	Kg
Wiring diagram	4040005	4040005	

### DIMENSIONS (mm)



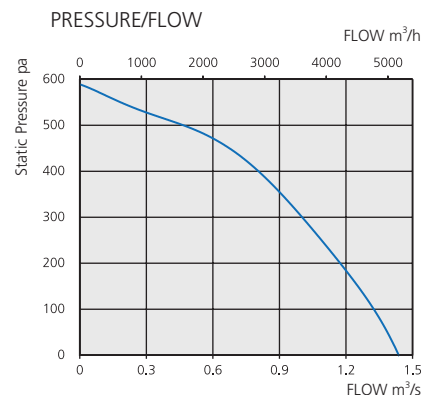


## BOX FAN WITH RECTANGULAR CONNECTIONS

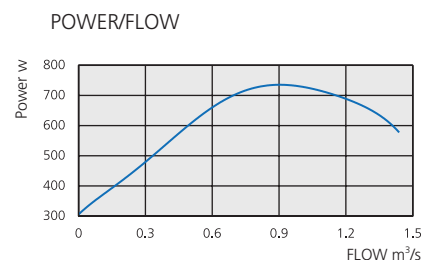
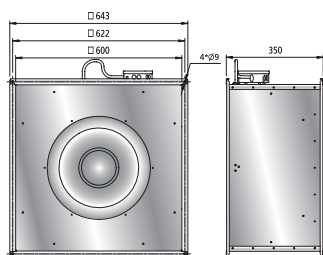
FBS 600x600 A3 50Hz

### TECHNICAL DATA

Product name	FBS 600x600 A3-cp 50Hz	FBS 600x600 A3 50Hz	
Art. no.	1007462019	1007460019	
Voltage	Y 400/Δ 230 /50	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	380-415 /50	V/Hz
Phase	3	3	~
Current	1.65	1.65	A
Power	727	727	W
Speed	1370	1370	RPM
Capacitor	-	-	μF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	52	52	dB(A)
Weight	28.5	28.5	Kg
Wiring diagram	4040004/4040003	4040004/4040003	



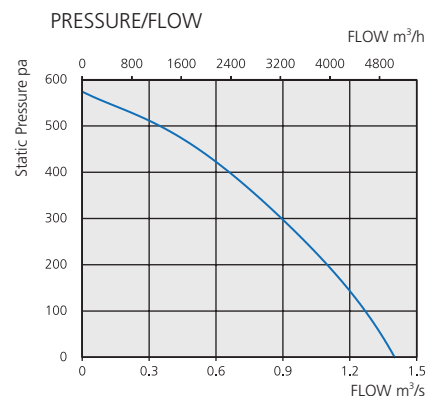
### DIMENSIONS (mm)



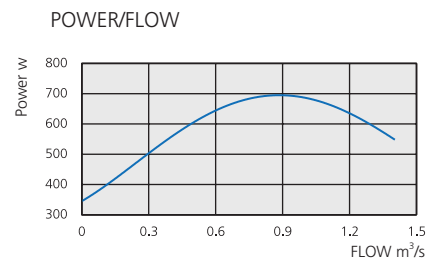
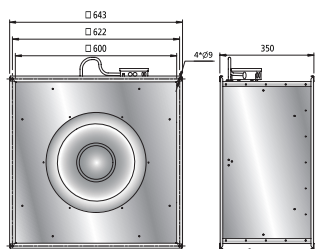
FBS 600x600 B1 50Hz

### TECHNICAL DATA

Product name	FBS 600x600 B1-cp 50Hz	FBS 600x600 B1 50Hz	
Art. no.	1007462020	1007460020	
Voltage	230 /50	230 /50	V/Hz
Voltage range	220-240 /50	220-240 /50	V/Hz
Phase	1	1	~
Current	3.09	3.09	A
Power	693	693	W
Speed	1295	1295	RPM
Capacitor	16	16	μF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	51	51	dB(A)
Weight	28	28	Kg
Wiring diagram	4040005	4040005	

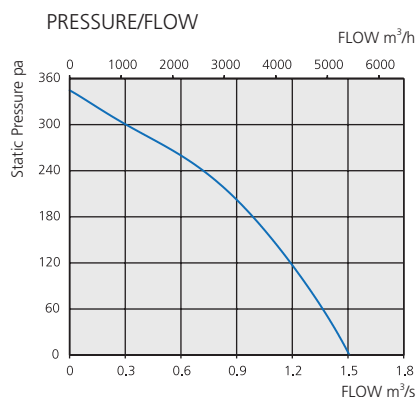


### DIMENSIONS (mm)



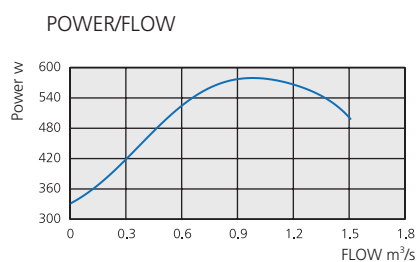
# BOX FAN WITH RECTANGULAR CONNECTIONS

## FBS 650x650 A1 50Hz

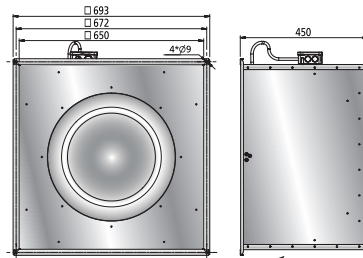


### TECHNICAL DATA

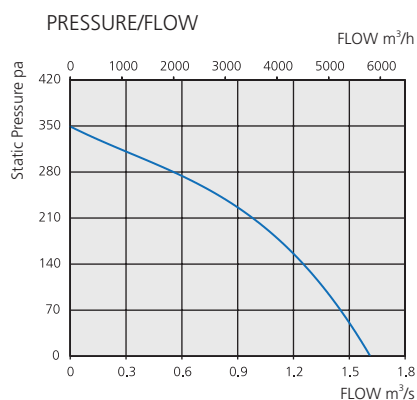
	FBS 650x650 A1-cp 50Hz	FBS 650x650 A1 50Hz	
Product name	FBS 650x650 A1-cp 50Hz	FBS 650x650 A1 50Hz	
Art. no.	1007462006	1007460006	
Voltage	230 /50	230 /50	V/Hz
Voltage range	220-240 /50	220-240 /50	V/Hz
Phase	1	1	~
Current	2.76	2.76	A
Power	581	581	W
Speed	880	880	RPM
Capacitor	12	12	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	42	42	dB(A)
Weight	35	35	Kg
Wiring diagram	4040005	4040005	



### DIMENSIONS (mm)

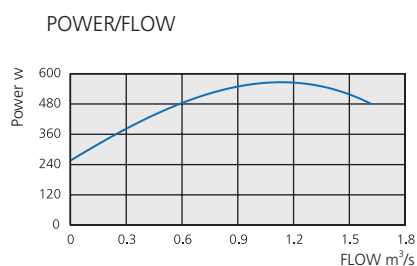


## FBS 650x650 A3 50Hz

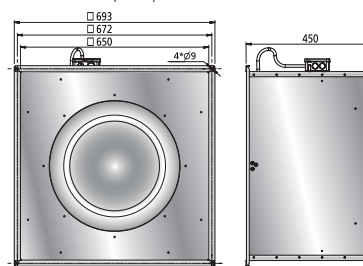


### TECHNICAL DATA

	FBS 650x650 A3-cp 50Hz	FBS 650x650 A3 50Hz	
Product name	FBS 650x650 A3-cp 50Hz	FBS 650x650 A3 50Hz	
Art. no.	1007462004	1007460004	
Voltage	Y 400/Δ 230 /50	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	380-415 /50	V/Hz
Phase	3	3	~
Current	1.39	1.39	A
Power	562	562	W
Speed	913	913	RPM
Capacitor	-	-	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	46	46	dB(A)
Weight	40.5	40.5	Kg
Wiring diagram	4040004/4040003	4040004/4040003	



### DIMENSIONS (mm)



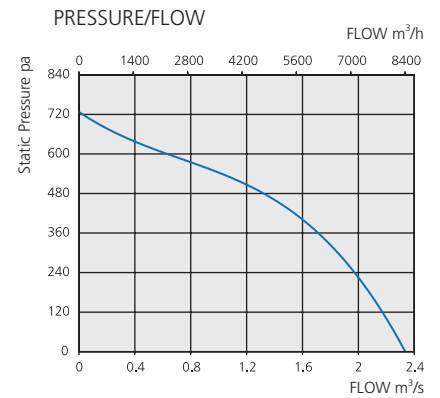


## BOX FAN WITH RECTANGULAR CONNECTIONS

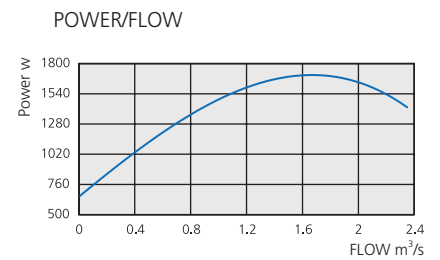
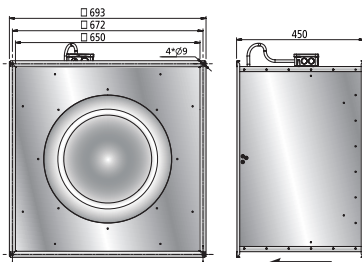
FBS 650x650 B3 50Hz

### TECHNICAL DATA

Product name	FBS 650x650 B3-cp 50Hz	FBS 650x650 B3 50Hz	
Art. no.	1007462001	1007460001	
Voltage	Y 400/Δ 230 /50	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	380-415 /50	V/Hz
Phase	3	3	~
Current	3	3	A
Power	1705	1705	W
Speed	1380	1380	RPM
Capacitor	-	-	μF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	57	57	dB(A)
Weight	41	41	Kg
Wiring diagram	4040004/4040003	4040004/4040003	



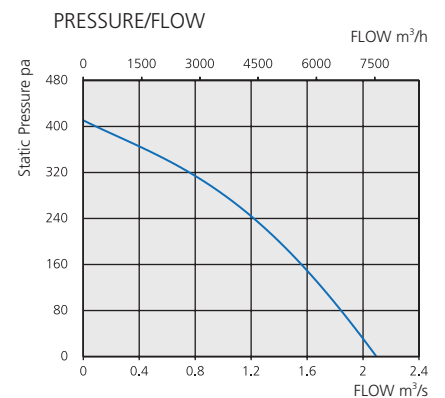
### DIMENSIONS (mm)



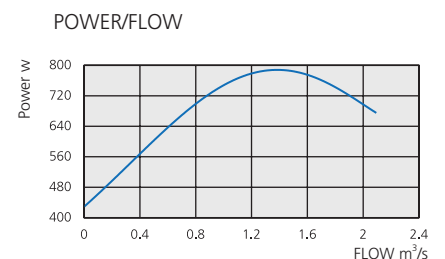
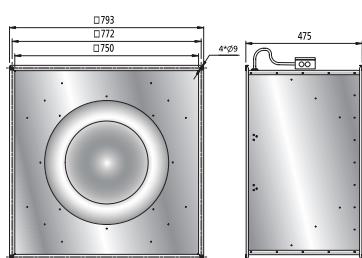
FBS 750x750 A1 50Hz

### TECHNICAL DATA

Product name	FBS 750x750 A1-cp 50Hz	FBS 750x750 A1 50Hz	
Art. no.	1007462022	1007460022	
Voltage	230 /50	230 /50	V/Hz
Voltage range	220-240 /50	220-240 /50	V/Hz
Phase	1	1	~
Current	3.33	3.33	A
Power	786	786	W
Speed	860	860	RPM
Capacitor	25	25	μF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	50	50	dB(A)
Weight	44	44	Kg
Wiring diagram	4040005	4040005	

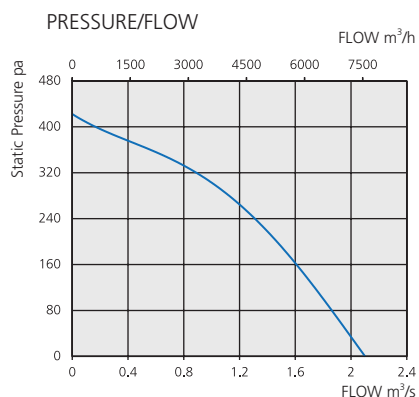


### DIMENSIONS (mm)



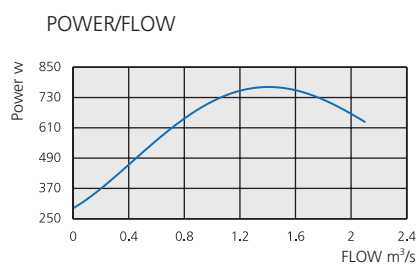
# BOX FAN WITH RECTANGULAR CONNECTIONS

## FBS 750x750 A3 50Hz

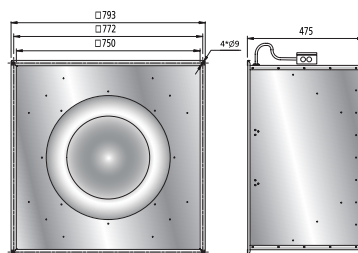


### TECHNICAL DATA

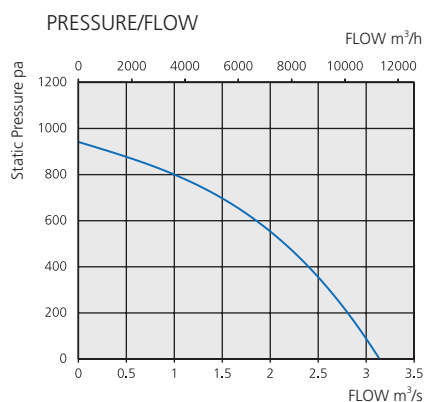
Product name	FBS 750x750 A3-cp 50Hz	FBS 750x750 A3 50Hz	
Art. no.	1007462023	1007460023	
Voltage	Y 400/Δ 230 /50	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	380-415 /50	V/Hz
Phase	3	3	~
Current	1.51	1.51	A
Power	771	771	W
Speed	895	895	RPM
Capacitor	-	-	μF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	50	50	dB(A)
Weight	48.5	48.5	Kg
Wiring diagram	4040004/4040003	4040004/4040003	



### DIMENSIONS (mm)

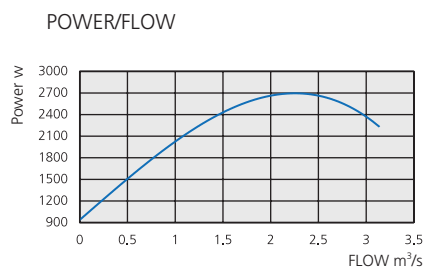


## FBS 750x750 B3 50Hz

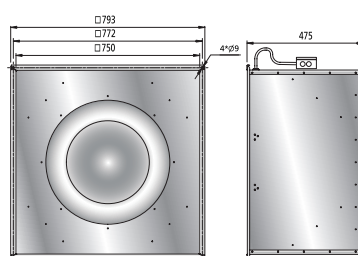


### TECHNICAL DATA

Product name	FBS 750x750 B3-cp 50Hz	FBS 750x750 B3 50Hz	
Art. no.	1007462017	1007460017	
Voltage	Y 400/Δ 230 /50	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	380-415 /50	V/Hz
Phase	3	3	~
Current	4.62	4.62	A
Power	2698	2698	W
Speed	1380	1380	RPM
Capacitor	-	-	μF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	62	62	dB(A)
Weight	54	54	Kg
Wiring diagram	4040004/4040003	4040004/4040003	



### DIMENSIONS (mm)



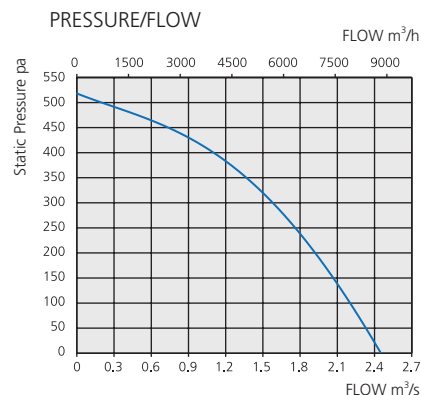


## BOX FAN WITH RECTANGULAR CONNECTIONS

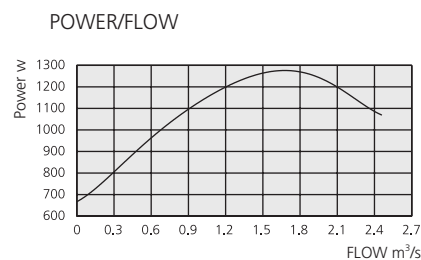
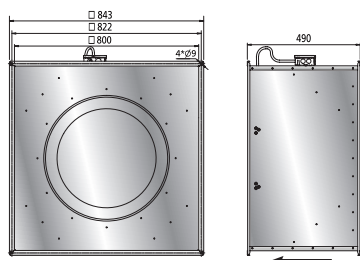
FBS 800x800 A1 50Hz

### TECHNICAL DATA

Product name	FBS 800x800 A1-cp 50Hz	FBS 800x800 A1 50Hz	
Art. no.	1007462024	1007460024	
Voltage	230 /50	230 /50	V/Hz
Voltage range	220-240 /50	220-240 /50	V/Hz
Phase	1	1	~
Current	5.67	5.67	A
Power	1282	1282	W
Speed	900	900	RPM
Capacitor	30	30	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	54	54	dB(A)
Weight	54	54	Kg
Wiring diagram	4040005	4040005	



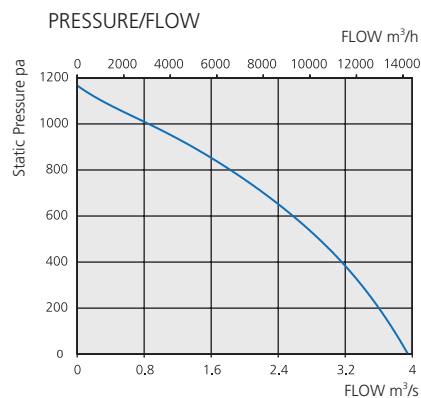
### DIMENSIONS (mm)



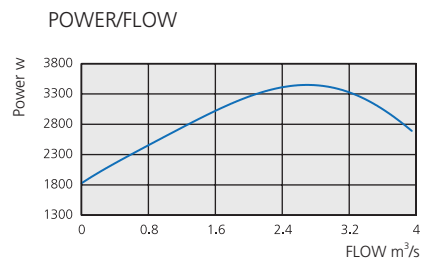
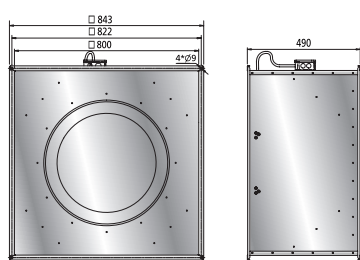
FBS 800x800 A3 50Hz

### TECHNICAL DATA

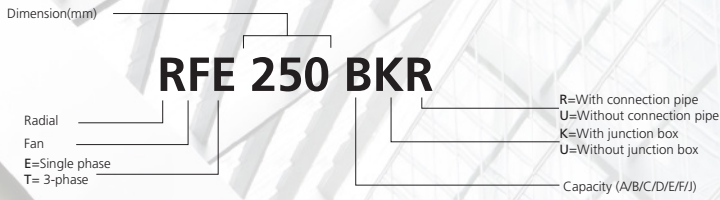
Product name	FBS 800x800 A3-cp 50Hz	FBS 800x800 A3 50Hz	
Art. no.	1007462005	1007460005	
Voltage	Y 400/Δ 230 /50	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	380-415 /50	V/Hz
Phase	3	3	~
Current	5.68	5.68	A
Power	3455	3455	W
Speed	1380	1380	RPM
Capacitor	-	-	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	59	59	dB(A)
Weight	68	68	Kg
Wiring diagram	4040004/4040003	4040004/4040003	



### DIMENSIONS (mm)







**SINGEL INLET**

The RF single inlet radial fan is compact and has high capacity and low sound levels. Ideal for use in, for example, dehumidifiers and air cleaners. RF is available with AC motor. Airflows up to 1044 m<sup>3</sup>/h (0.29 m<sup>3</sup>/s).

**DOUBLE INLET**

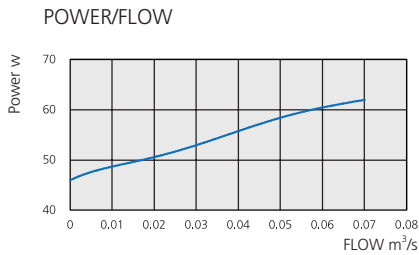
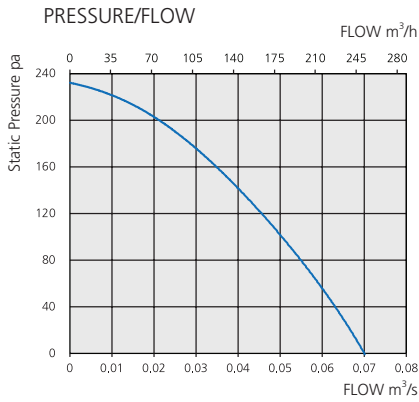
The DF double inlet radial fan has an external rotor motor placed in the middle of the impeller, which makes a very compact design. DF fans are ideal to use in different applications where high pressure, large air volumes and low sound levels are demanded but with only a minimum amount of space available. DF is available with AC motor. Airflows up to 1010 m<sup>3</sup>/h (0.28 m<sup>3</sup>/s).

RFE .....	Page 104
DFE .....	Page 108

- CIRCULAR CK
- LOW PROFILE LPK
- INSULATED IRE
- RECTANGULAR RK
- BOX FAN FBS
- RADIAL FANS**
- ATEX FANS
- WALL FANS
- MACHANICAL ACCESSORIES
- GENERAL FAN FACTS

# RADIAL FAN

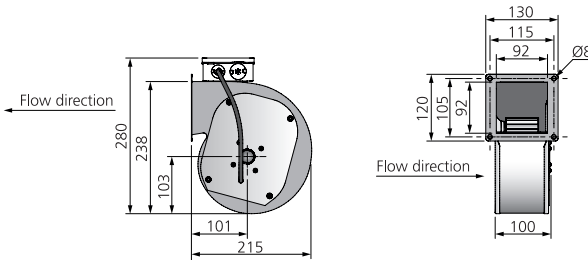
## RFE 140 AKU 50Hz



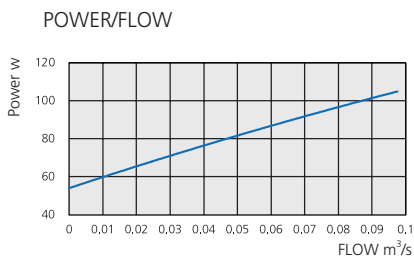
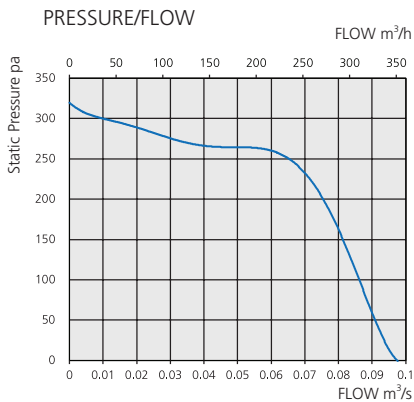
### TECHNICAL DATA

Product name	RFE 140 AKU 50Hz	
Art. no.	1007720210	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.28	A
Power	62	W
Speed	830	RPM
Capacitor	4	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	48	dB(A)
Weight	2.9	Kg
Wiring diagram	4040002	

### DIMENSIONS (mm)



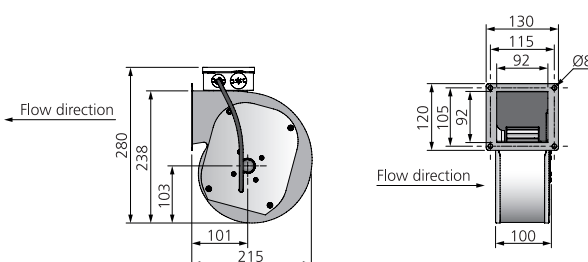
## RFE 140 BKU 50Hz



### TECHNICAL DATA

Product name	RFE 140 BKU 50Hz	
Art. no.	1007720211	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.46	A
Power	105	W
Speed	1190	RPM
Capacitor	2	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	58	dB(A)
Weight	2.9	Kg
Wiring diagram	4040001	

### DIMENSIONS (mm)





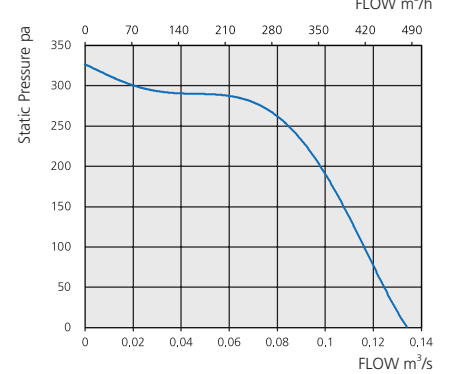
# RADIAL FAN

## RFE 140 CKU 50Hz

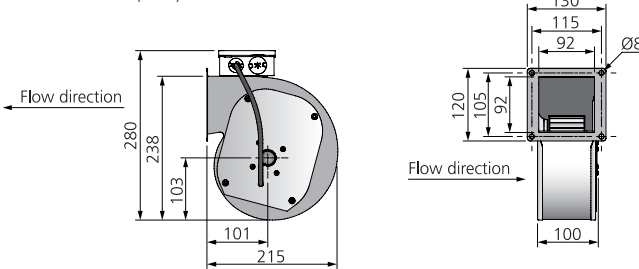
### TECHNICAL DATA

Product name	RFE 140 CKU 50Hz	
Art. no.	1007720212	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.51	A
Power	115	W
Speed	1700	RPM
Capacitor	4	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	59	dB(A)
Weight	2.9	Kg
Wiring diagram	4040001	

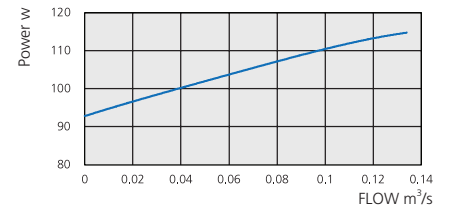
### PRESSURE/FLOW



### DIMENSIONS (mm)



### POWER/FLOW

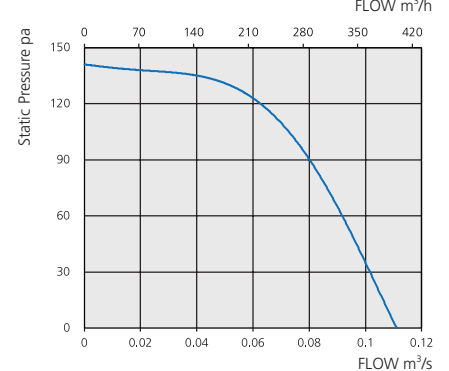


## RFE 160 AKU 50Hz

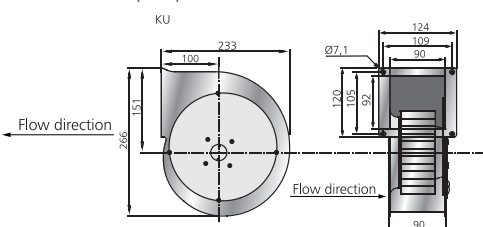
### TECHNICAL DATA

Product name	RFE 160 AKU 50Hz	
Art. no.	1007700288	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.28	A
Power	64	W
Speed	1270	RPM
Capacitor	2	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	50	dB(A)
Weight	2.9	Kg
Wiring diagram	4040001	

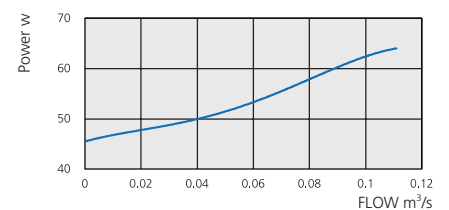
### PRESSURE/FLOW



### DIMENSIONS (mm)



### POWER/FLOW



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

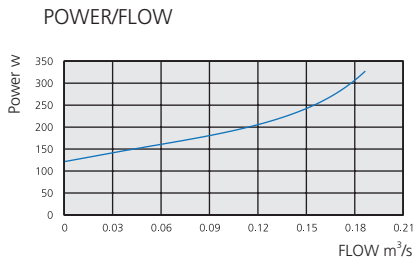
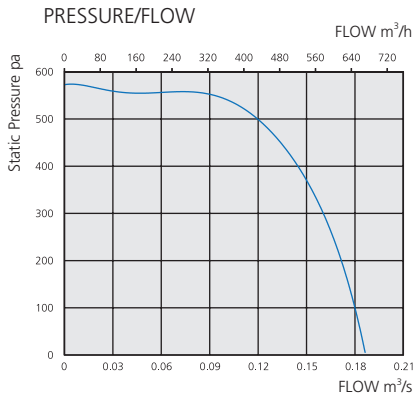
WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS

# RADIAL FAN

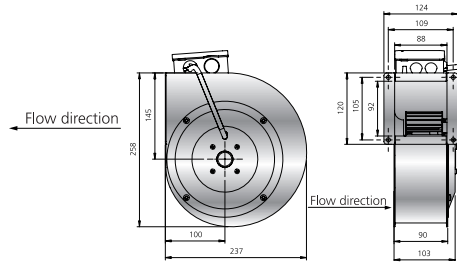
## RFE 160 CKU 50Hz



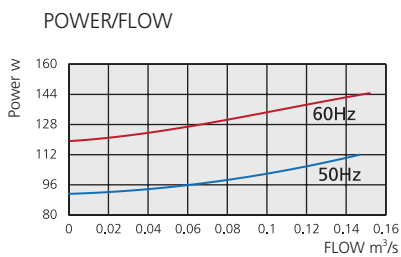
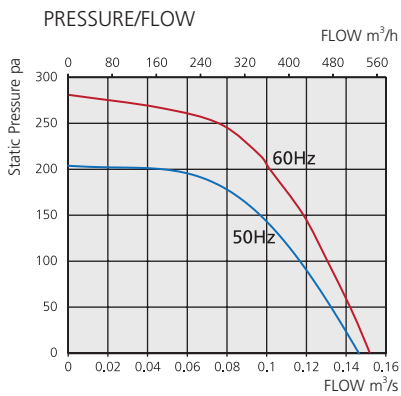
### TECHNICAL DATA

Product name	RFE 160 CKU 50Hz	
Art. no.	1007700041	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	1.44	A
Power	328	W
Speed	2025	RPM
Capacitor	6	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	64	dB(A)
Weight	4.5	Kg
Wiring diagram	4040001	

### DIMENSIONS (mm)



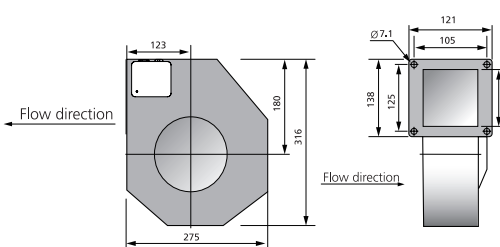
## RFE 200 AKU



### TECHNICAL DATA

	RFE 200 AKU 60Hz	RFE 200 AKU 50Hz
Product name	RFE 200 AKU 60Hz	RFE 200 AKU 50Hz
Art. no.	1007700169	1007700169
Voltage	230/60	230/50
Voltage range	220-240 /60	220-240 /50
Phase	1	1 ~
Current	0.64	0.49
Power	145	113
Speed	1110	1070
Capacitor	4	4
Max temperature of transported air	60	60
Sound pressure level at 3m	61	59.3
Weight	4	4
Wiring diagram	4040001	4040001

### DIMENSIONS (mm)





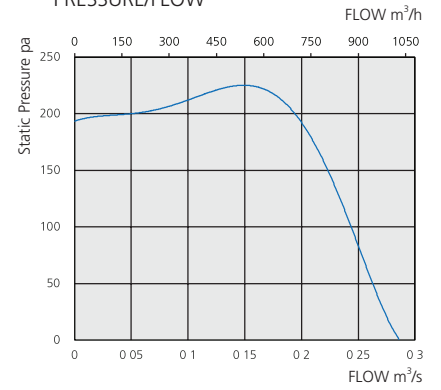
# RADIAL FAN

RFE 200 BKU 50Hz

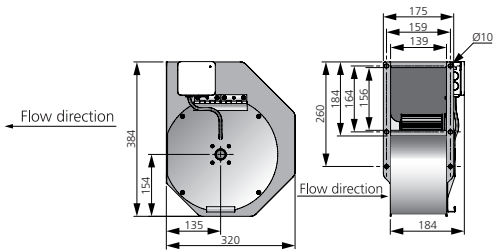
## TECHNICAL DATA

Product name	RFE 200 BKU 50Hz	
Art. no.	1007720112	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.81	A
Power	186	W
Speed	950	RPM
Capacitor	5	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	57	dB(A)
Weight	5.4	Kg
Wiring diagram	4040001	

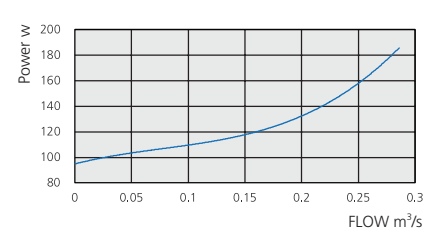
## PRESSURE/FLOW



## DIMENSIONS (mm)



## POWER/FLOW



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

**RADIAL FANS**

ATEX FANS

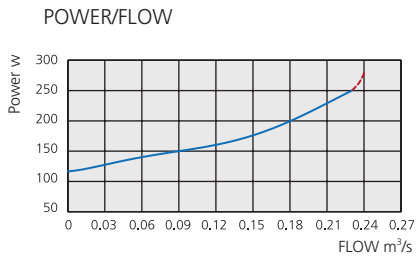
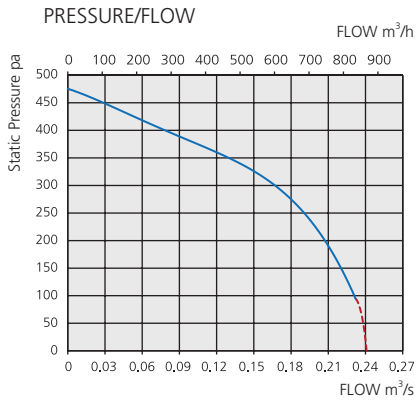
WALL FANS

MECHANICAL ACCESSORIES

GENERAL FAN FACTS

# RADIAL FAN

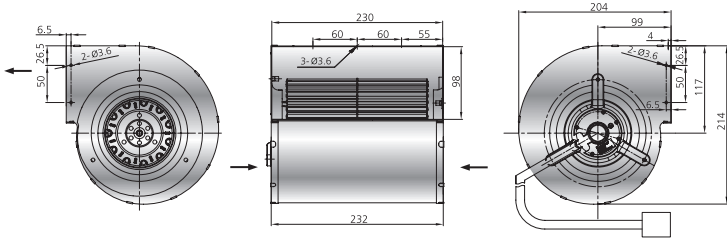
## DFE 133-21 50Hz



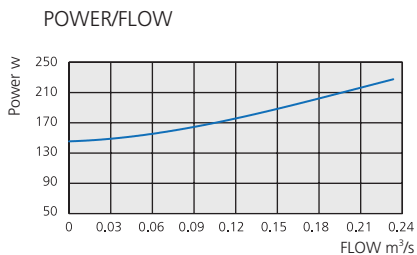
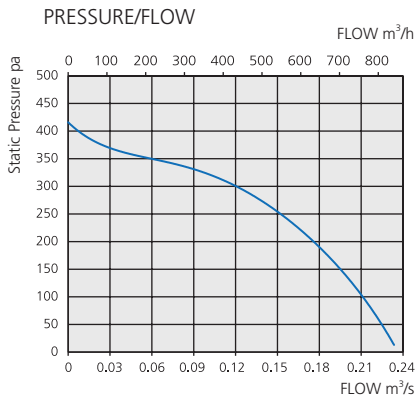
### TECHNICAL DATA

Product name	DFE 133-21 50Hz	
Art. no.	1007700221	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	1.1	A
Power	250	W
Speed	1320	RPM
Capacitor	5	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	64.5	dB(A)
Weight	4.5	Kg
Wiring diagram	4040001	
Casing	Black casing	

### DIMENSIONS (mm)



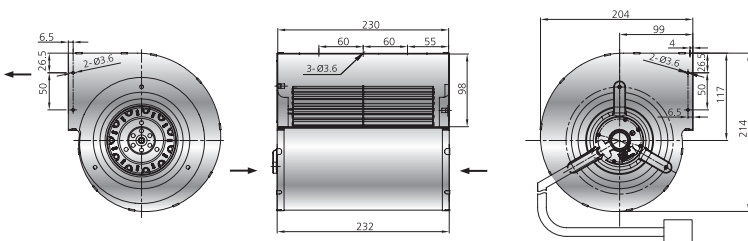
## DFE 133-24 50Hz



### TECHNICAL DATA

Product name	DFE 133-24 50Hz	
Art. no.	1007700225	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	1	A
Power	228.6	W
Speed	1335	RPM
Capacitor	5	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	60	dB(A)
Weight	4.4	Kg
Wiring diagram	4040001	
Casing	Black casing	

### DIMENSIONS (mm)





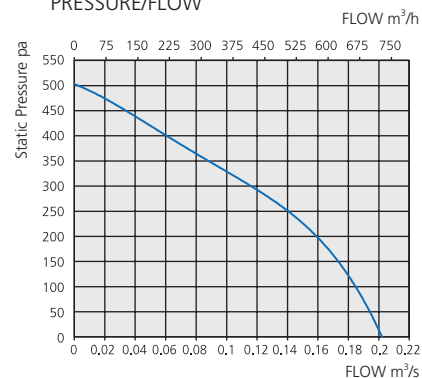
# RADIAL FAN

## DFE 133-20 50Hz

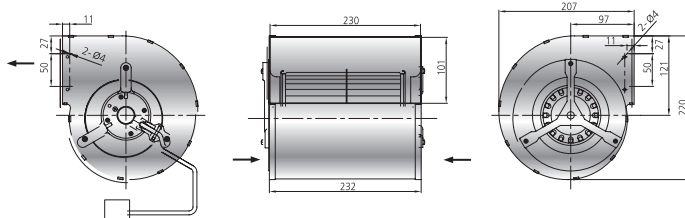
### TECHNICAL DATA

Product name	DFE 133-20 50Hz	
Art. no.	1007700267	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	0.78	A
Power	180	W
Speed	1150	RPM
Capacitor	5	µF
Max temperature of transported air	50	°C
Sound pressure level at 3m	59	dB(A)
Weight	4.3	Kg
Wiring diagram	4040001	
Casing	Galvanized casing	

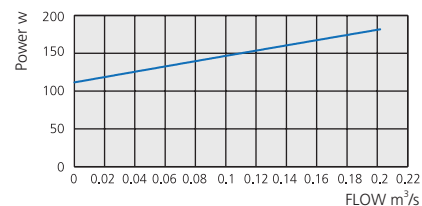
### PRESSURE/FLOW



### DIMENSIONS (mm)



### POWER/FLOW

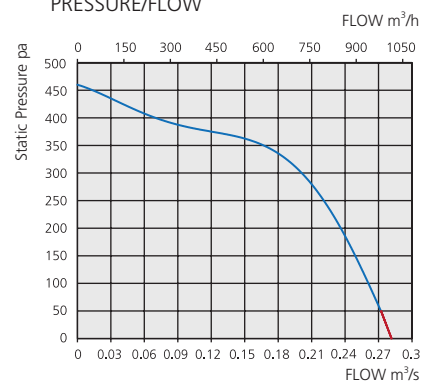


## DFE 146-S2 50Hz

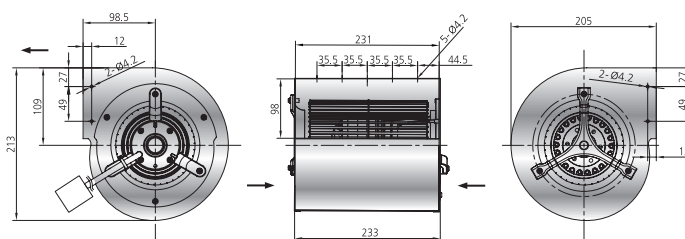
### TECHNICAL DATA

Product name	DFE 146-S2 50Hz	
Art. no.	1000000045	
Voltage	230/50	V/Hz
Voltage range	220-240 /50	V/Hz
Phase	1	~
Current	1.34	A
Power	310	W
Speed	1630	RPM
Capacitor	8	µF
Max temperature of transported air	60	°C
Sound pressure level at 3m	70	dB(A)
Weight	5.1	Kg
Wiring diagram	4040001	
Casing	Black casing	

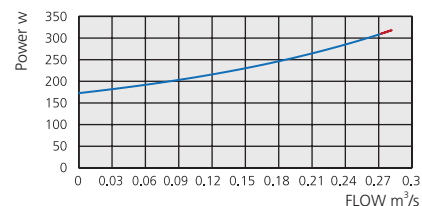
### PRESSURE/FLOW



### DIMENSIONS (mm)



### POWER/FLOW







## RADIAL FAN

The RFEX/RFTX range of radial fans complies with ATEX standards, the technical standard for explosion proof fans.

The non-sparking inlet cone is made from copper and the motor is separated from the air stream. RFEX/RFTX is available with AC motor.

## ATEX DUCT FAN WITH RECTANGULAR CONNECTIONS

The RKX range of duct fans complies with ATEX standards, the technical standard for explosion proof fans.

RKX is a duct fan with rectangular connections which is a refinement of our RK range. The inlet cone is manufactured from non-sparking copper and the RKX is powered by a high quality ATEX approved motor. This makes this fans a safe choice for a number of different applications within the industry. With swing-out design as standard makes the fan easy to maintain and clean.

RKX is available with AC motor.

RKX airflows up to 4961m<sup>3</sup>/h(1.38m<sup>3</sup>/s).

RFEX .....	Page 112
RFTX .....	Page 113
RKX .....	Page 115

CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

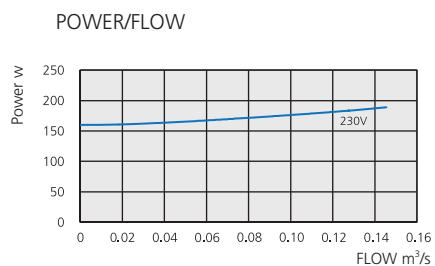
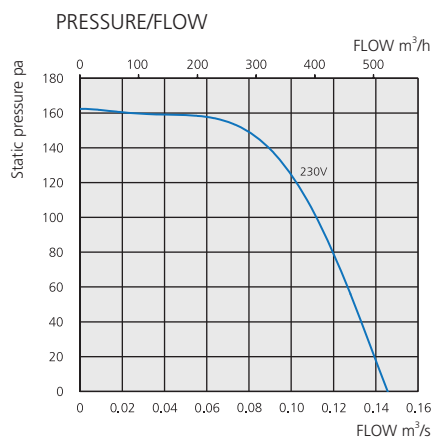
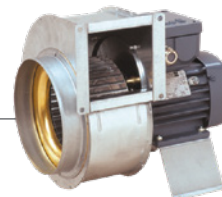
WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS

# EXPLOSION PROOF ATEX CERTIFIED FANS

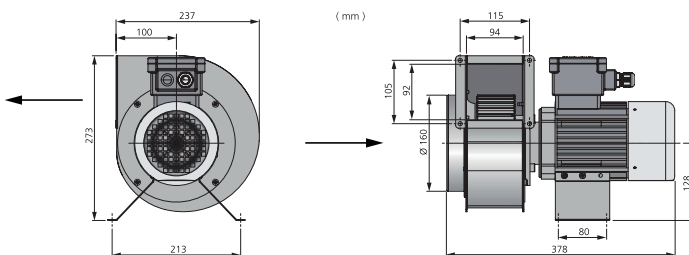
## RFEX 160 C ATEX



### TECHNICAL DATA

Product name	RFEX 160 C	RFEX 160 C ATEX	
Art. no.	7730041	7730041	
Voltage	230/60	230/50	V/Hz
Voltage range	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	~
Current	1.05	1.31	A
Power	226	193	W
Speed	1690	1440	RPM
Capacitor	6.3	6.3	µF
Max temperature of transported air	40	40	°C
Sound pressure level at 3m	63	62	dB(A)
Weight	8.6	8.6	Kg
Wiring diagram	4040191	4040191	

### DIMENSIONS (mm)





# EXPLOSION PROOF ATEX CERTIFIED FANS

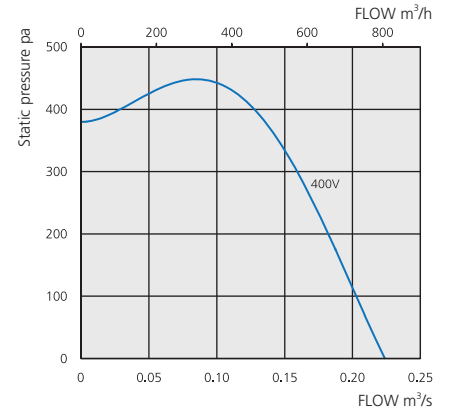


## RFTX 140 C ATEX

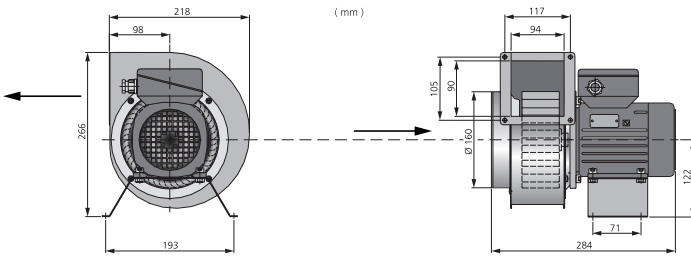
### TECHNICAL DATA

Product name	RFTX 140 C ATEX
Art. no.	7730002
Voltage	Y 400/Δ 230 /50 V/Hz
Voltage range	380-415 /50 V/Hz
Phase	3 ~
Current	0.53 / 0.92 A
Power	300 W
Speed	2810 RPM
Capacitor	- μF
Max temperature of transported air	40 °C
Sound pressure level at 3m	58 dB(A)
Weight	7.6 Kg
Wiring diagram	4040116 / 4040196

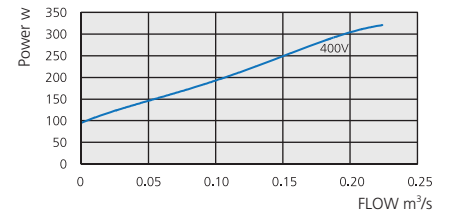
### PRESSURE/FLOW



### DIMENSIONS (mm)



### POWER/FLOW

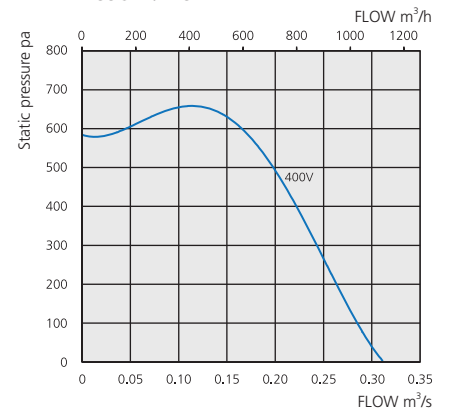


## RFTX 160 C ATEX

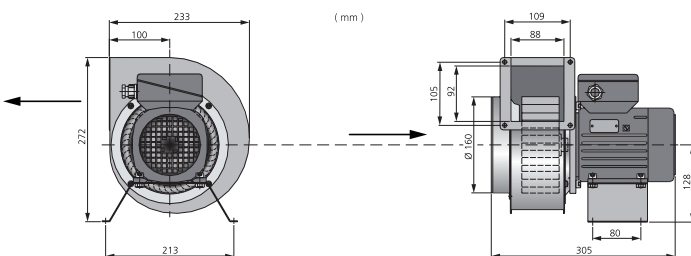
### TECHNICAL DATA

Product name	RFTX 160 C ATEX
Art. no.	7730003
Voltage	Y 400/Δ 230 /50 V/Hz
Voltage range	380-415 /50 V/Hz
Phase	3 ~
Current	0.97 / 1.69 A
Power	590 W
Speed	2740 RPM
Capacitor	- μF
Max temperature of transported air	40 °C
Sound pressure level at 3m	61 dB(A)
Weight	9.8 Kg
Wiring diagram	4040116 / 4040196

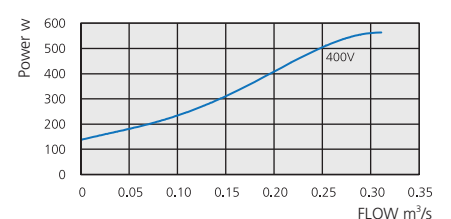
### PRESSURE/FLOW



### DIMENSIONS (mm)



### POWER/FLOW



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

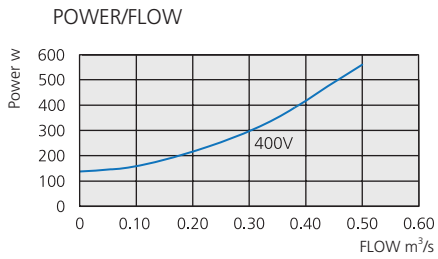
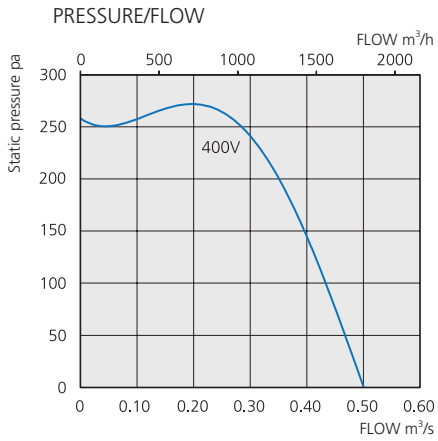
WALL FANS

MECHANICAL ACCESSORIES

GENERAL FAN FACTS

# EXPLOSION PROOF ATEX CERTIFIED FANS

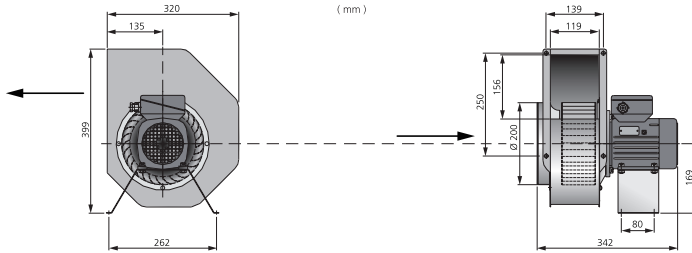
## RFTX 200 C ATEX

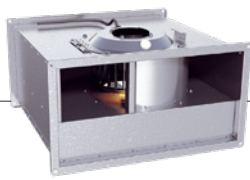


### TECHNICAL DATA

Product name	RFTX 200 C ATEX	
Art. no.	7730007	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	0.79 / 1.37	A
Power	385	W
Speed	1380	RPM
Capacitor	-	μF
Max temperature of transported air	40	°C
Sound pressure level at 3m	53	dB(A)
Weight	11.3	Kg
Wiring diagram	4040116 / 4040196	

### DIMENSIONS (mm)





# EXPLOSION PROOF ATEX CERTIFIED FANS

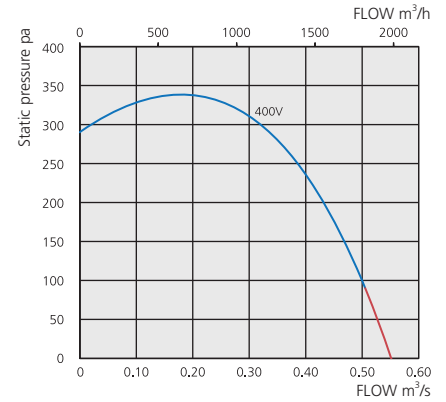


RKX 500x250 D3 ATEX

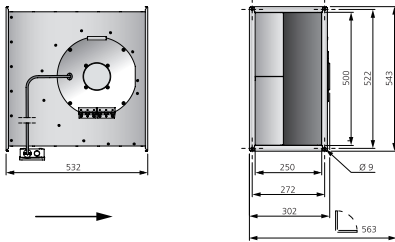
## TECHNICAL DATA

Product name	RKX 500x250 D3 ATEX	
Art. no.	7730016	
Voltage	Y 400 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	0.85	A
Power	490	W
Speed	1160	RPM
Capacitor	-	µF
Max temperature of transported air	40	°C
Sound pressure level at 3m	51	dB(A)
Weight	18	Kg
Wiring diagram	4040115	

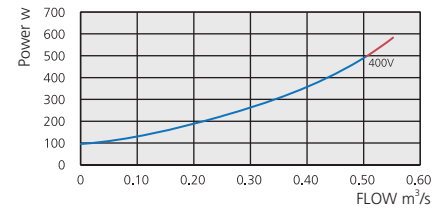
## PRESSURE/FLOW



## DIMENSIONS (mm)



## POWER/FLOW

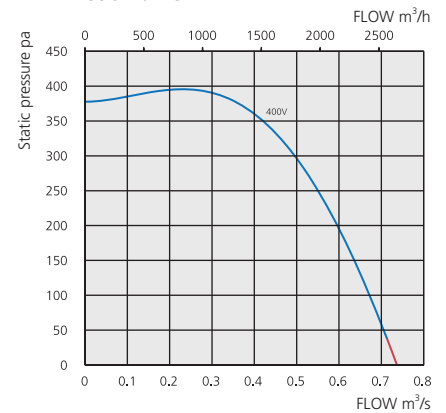


RKX 500x300 B3 ATEX

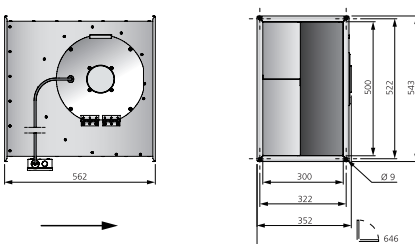
## TECHNICAL DATA

Product name	RKX 500x300 B3 ATEX	
Art. no.	7730017	
Voltage	Y 400 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	1.8	A
Power	900	W
Speed	1360	RPM
Capacitor	-	µF
Max temperature of transported air	40	°C
Sound pressure level at 3m	57	dB(A)
Weight	21.4	Kg
Wiring diagram	4040115	

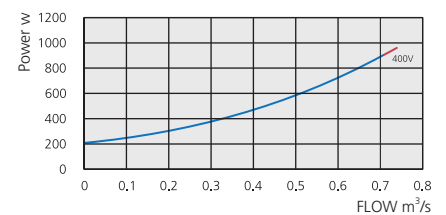
## PRESSURE/FLOW



## DIMENSIONS (mm)



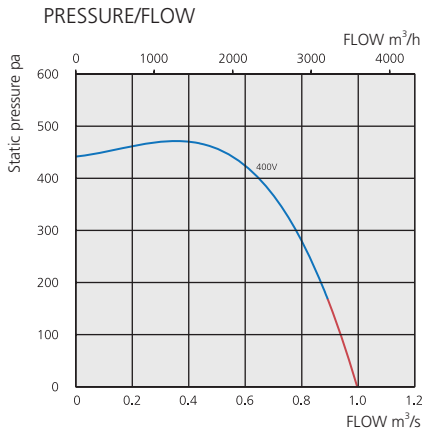
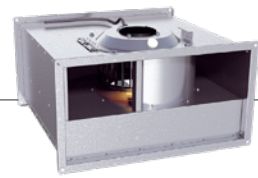
## POWER/FLOW



- CIRCULAR CK
- LOW PROFILE LPK
- INSULATED IRE
- RECTANGULAR RK
- BOX FAN FBS
- RADIAL FANS
- ATEX FANS
- WALL FANS
- MECHANICAL ACCESSORIES
- GENERAL FAN FACTS

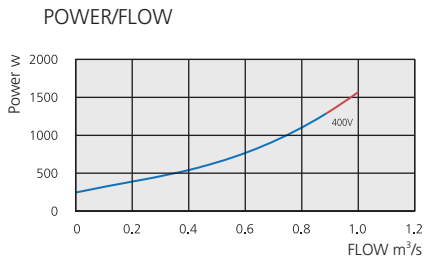
# EXPLOSION PROOF ATEX CERTIFIED FANS

## RKX 600x300 F3 ATEX

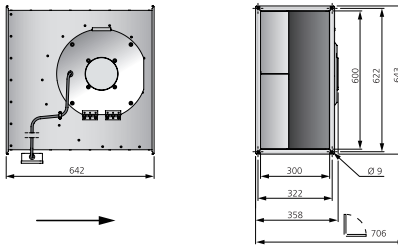


### TECHNICAL DATA

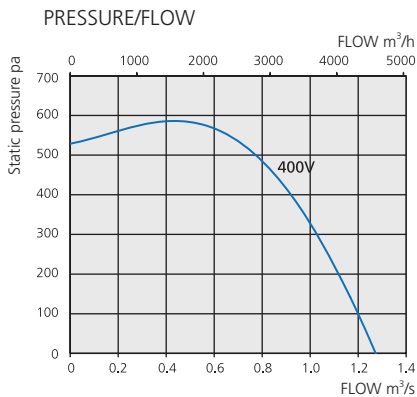
Product name	RKX 600x300 F3 ATEX	
Art. no.	7730018	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	2.71 / 4.71	A
Power	1590	W
Speed	1240	RPM
Capacitor	-	μF
Max temperature of transported air	40	°C
Sound pressure level at 3m	59	dB(A)
Weight	34.8	Kg
Wiring diagram	4040004 / 4040003	



### DIMENSIONS (mm)

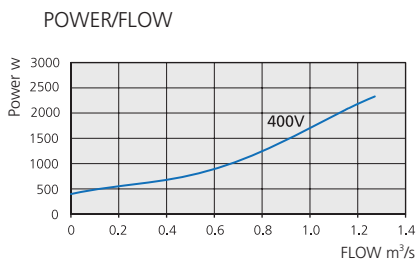


## RKX 600x350 E3 ATEX

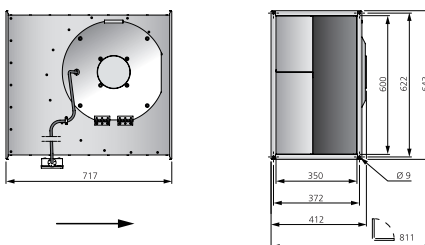


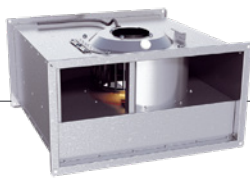
### TECHNICAL DATA

Product name	RKX 600x350 E3 ATEX	
Art. no.	7730019	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	4.14 / 7.2	A
Power	2440	W
Speed	1370	RPM
Capacitor	-	μF
Max temperature of transported air	40	°C
Sound pressure level at 3m	61	dB(A)
Weight	46	Kg
Wiring diagram	4040004 / 4040003	



### DIMENSIONS (mm)





# EXPLOSION PROOF ATEX CERTIFIED FANS

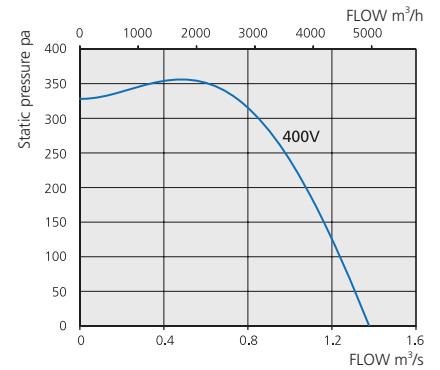


RKX 700x400 B3 ATEX

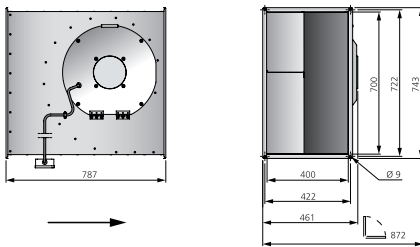
## TECHNICAL DATA

Product name	RKX 700x400 B3 ATEX	
Art. no.	7730020	
Voltage	Y 400/Δ 230 /50	V/Hz
Voltage range	380-415 /50	V/Hz
Phase	3	~
Current	3.68 / 6.4	A
Power	1670	W
Speed	860	RPM
Capacitor	-	μF
Max temperature of transported air	40	°C
Sound pressure level at 3m	57	dB(A)
Weight	48.1	Kg
Wiring diagram	4040004 / 4040003	

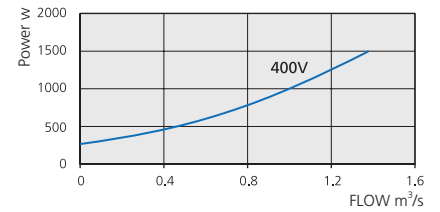
## PRESSURE/FLOW



## DIMENSIONS (mm)



## POWER/FLOW



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

WALL FANS

MECHANICAL ACCESSORIES

GENERAL FAN FACTS



# WALL FANS WITH CIRCULAR CONNECTION

## INSIDE WALL MOUNTING

The fan has a square mounting plate and is compact with high capacity and efficiency. The design allows a wide variety of applications including use in damp and humid environments. The KVFU is available with AC motor. Airflows up to 1760 m<sup>3</sup>/h (0.49 m<sup>3</sup>/s).

KVFU ..... Page 120

CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

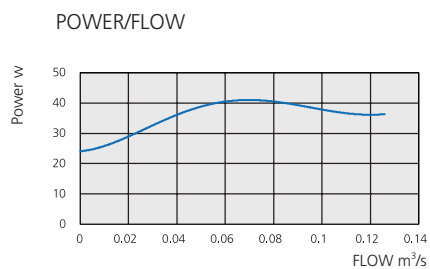
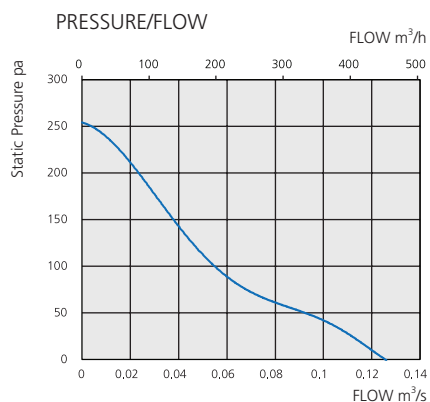
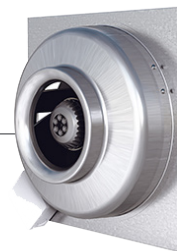
WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS

# WALL FANS WITH CIRCULAR CONNECTION

## KVFU 100 A

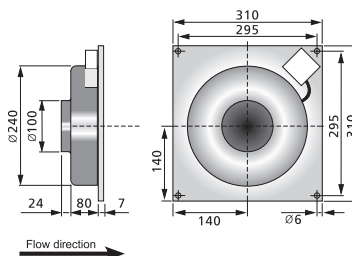


### TECHNICAL DATA

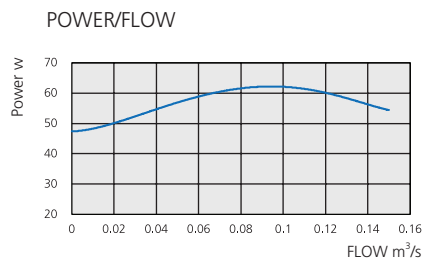
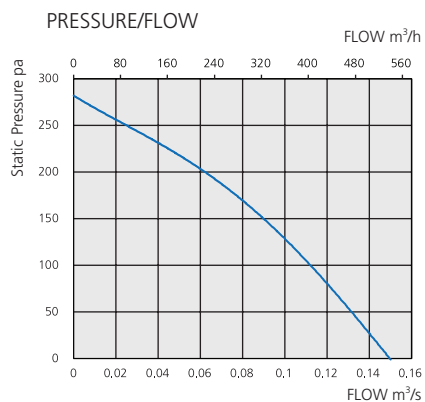


Product name	KVFU 100 A-sj	KVFU 100 A	KVFU 100 A	
Art. no.	1007103086	1907100086	1007100086	
Voltage	230/50	230/50	230/50	V/Hz
Voltage range	220-240/50/60	220-240/50	220-240/50/60	V/Hz
Phase	1	1	1	~
Current	0.18	0.18	0.18	A
Power	41	41	41	W
Speed	1730	1730	1730	RPM
Capacitor	3	3	3	µF
Max temperature of transported air	60	60	60	°C
Sound pressure level at 3m	36	36	36	dB(A)
Weight	2.5	2.5	2.5	Kg
Wiring diagram	4040002	4040002	4040002	

### DIMENSIONS (mm)



## KVFU 100 C

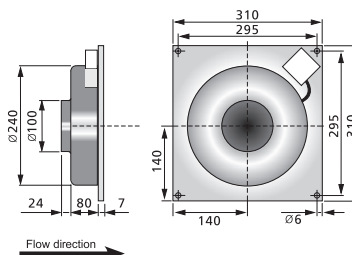


### TECHNICAL DATA



Product name	KVFU 100 C-sj	KVFU 100 C	KVFU 100 C	
Art. no.	1007103090	1907100090	1007100090	
Voltage	230/50	230/50	230/50	V/Hz
Voltage range	220-240 /50/60	220-240/50	220-240 /50/60	V/Hz
Phase	1	1	1	~
Current	0.27	0.27	0.27	A
Power	62	62	62	W
Speed	2530	2530	2530	RPM
Capacitor	2	2	2	µF
Max temperature of transported air	60	60	60	°C
Sound pressure level at 3m	43	43	43	dB(A)
Weight	2.5	2.5	2.5	Kg
Wiring diagram	4040001	4040001	4040001	

### DIMENSIONS (mm)





# WALL FANS WITH CIRCULAR CONNECTION

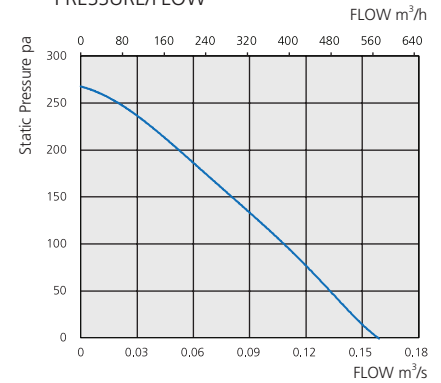
## KVFU 125 C

### TECHNICAL DATA

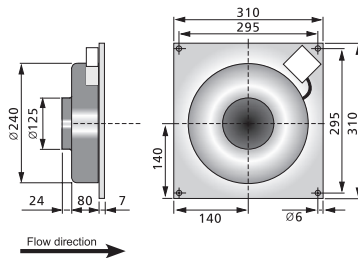


Product name	KVFU 125 C-sj	KVFU 125 C	KVFU 125 C
Art. no.	1007103098	1907100098	1007100098
Voltage	230/50	230/50	230/50 V/Hz
Voltage range	220-240/50	220-240/50	220-240 /50/60 V/Hz
Phase	1	1	1 ~
Current	0.27	0.27	0.27 A
Power	62	62	62 W
Speed	2480	2480	2480 RPM
Capacitor	2	2	2 μF
Max temperature of transported air	60	60	60 °C
Sound pressure level at 3m	43	43	43 dB(A)
Weight	2.5	2.5	2.5 Kg
Wiring diagram	4040001	4040001	4040001

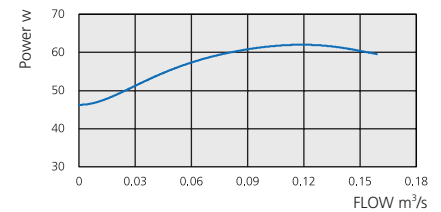
### PRESSURE/FLOW



### DIMENSIONS (mm)



### POWER/FLOW



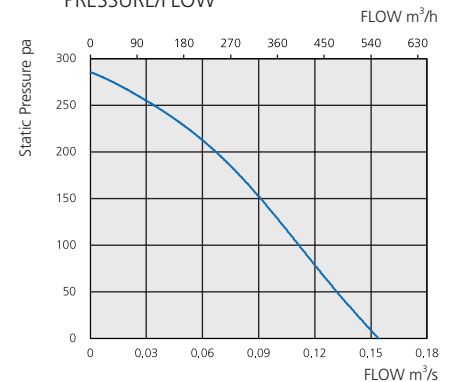
## KVFU 160 B

### TECHNICAL DATA

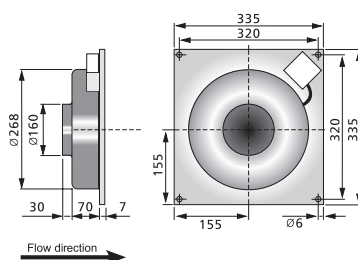


Product name	KVFU 160 B
Art. no.	1907100102
Voltage	230/50 V/Hz
Voltage range	220-240/50 V/Hz
Phase	1 ~
Current	0.27 A
Power	62 W
Speed	2540 RPM
Capacitor	2 μF
Max temperature of transported air	60 °C
Sound pressure level at 3m	43 dB(A)
Weight	2.7 Kg
Wiring diagram	4040001

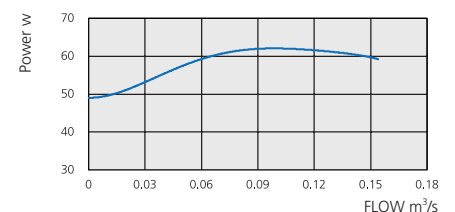
### PRESSURE/FLOW



### DIMENSIONS (mm)



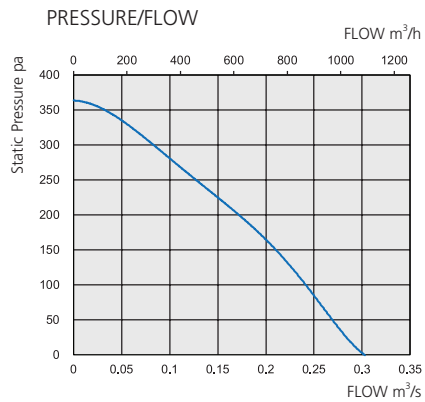
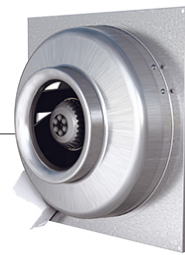
### POWER/FLOW



- CIRCULAR CK
- LOW PROFILE LPK
- INSULATED IRE
- RECTANGULAR RK
- BOX FAN FBS
- RADIAL FANS
- ATEX FANS
- WALL FANS
- MACHANICAL ACCESSORIES
- GENERAL FAN FACTS

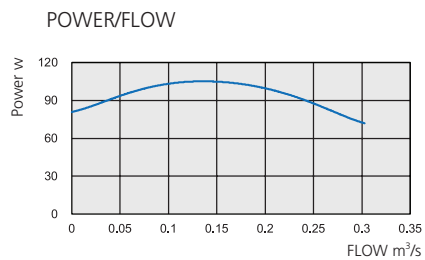
# WALL FANS WITH CIRCULAR CONNECTION

## KVFU 160 C

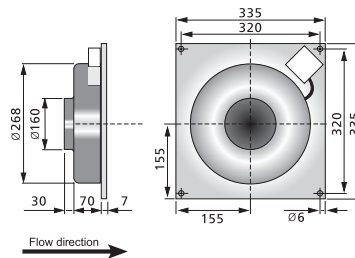


### TECHNICAL DATA

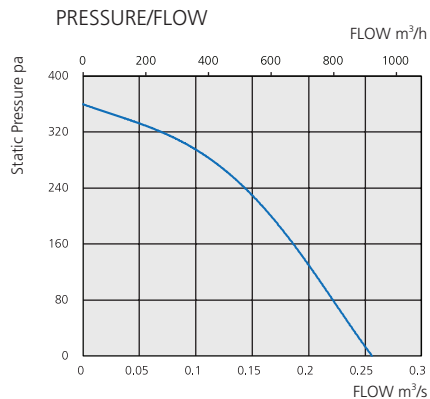
	KVFU 160 C-sj	KVFU 160 C	
Product name	KVFU 160 C-sj	KVFU 160 C	
Art. no.	1007103106	1007100106	
Voltage	230/50	230/50	V/Hz
Voltage range	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	~
Current	0.44	0.44	A
Power	105	105	W
Speed	2480	2480	RPM
Capacitor	2.5	2.5	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	49	49	dB(A)
Weight	3.5	3.5	Kg
Wiring diagram	4040001	4040001	



### DIMENSIONS (mm)

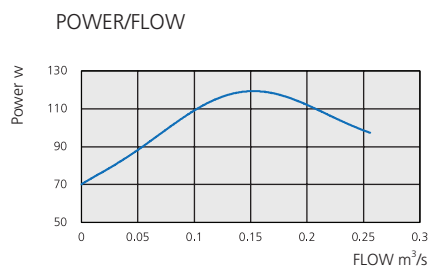


## KVFU 250 A

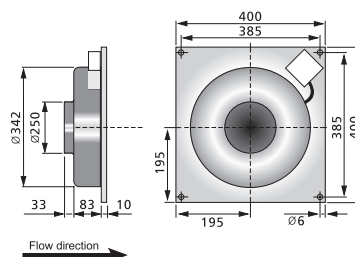


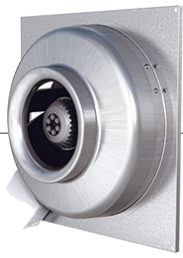
### TECHNICAL DATA

	KVFU 250 A-sj	KVFU 250 A	
Product name	KVFU 250 A-sj	KVFU 250 A	
Art. no.	1007103118	1007100118	
Voltage	230/50	230/50	V/Hz
Voltage range	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	~
Current	0.53	0.53	A
Power	120	120	W
Speed	2580	2580	RPM
Capacitor	4	4	µF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	48	48	dB(A)
Weight	3.8	3.8	Kg
Wiring diagram	4040001	4040001	



### DIMENSIONS (mm)





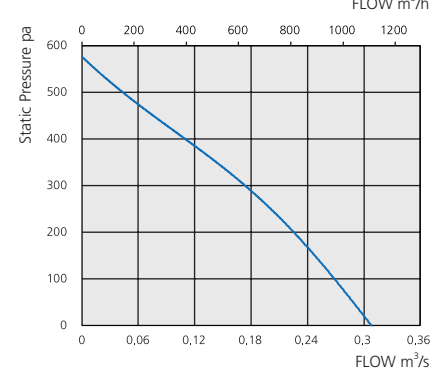
## WALL FANS WITH CIRCULAR CONNECTION

### KVFU 250 C

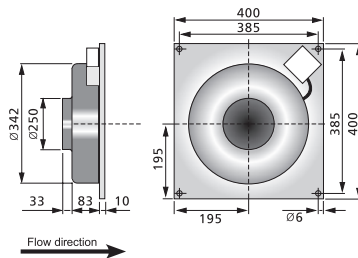
#### TECHNICAL DATA

Product name	KVFU 250 C-sj	KVFU 250 C	
Art. no.	1007103126	1007100126	
Voltage	230/50	230/50	V/Hz
Voltage range	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	~
Current	0.71	0.71	A
Power	165	165	W
Speed	2530	2530	RPM
Capacitor	5	5	μF
Max temperature of transported air	60	60	°C
Sound pressure level at 3m	50	50	dB(A)
Weight	4.6	4.6	Kg
Wiring diagram	4040001	4040001	

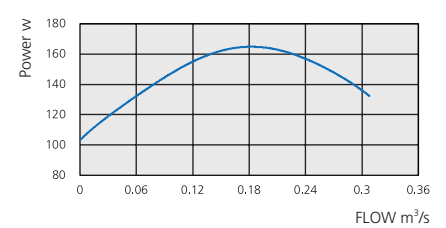
#### PRESSURE/FLOW



#### DIMENSIONS (mm)



#### POWER/FLOW

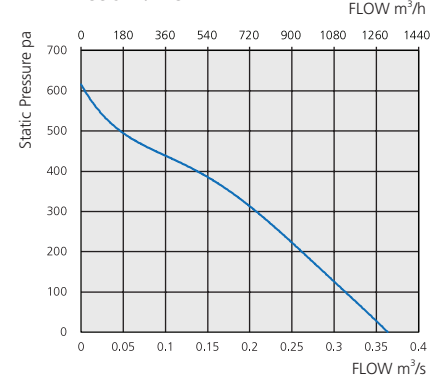


### KVFU 315 B

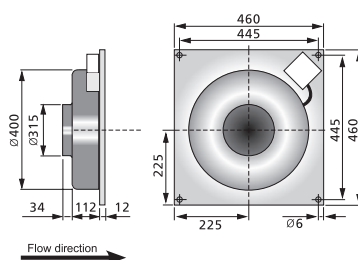
#### TECHNICAL DATA

Product name	KVFU 315 B-sj	KVFU 315 B	
Art. no.	1007103135	1007100135	
Voltage	230/50	230/50	V/Hz
Voltage range	220-240 /50/60	220-240 /50/60	V/Hz
Phase	1	1	~
Current	0.84	0.84	A
Power	190	190	W
Speed	2465	2465	RPM
Capacitor	5	5	μF
Max temperature of transported air	50	50	°C
Sound pressure level at 3m	47	47	dB(A)
Weight	5.5	5.5	Kg
Wiring diagram	4040001	4040001	

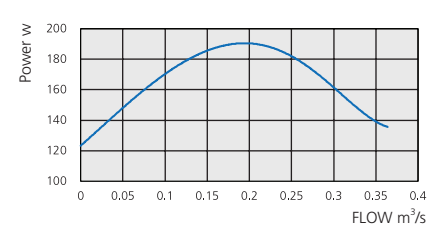
#### PRESSURE/FLOW



#### DIMENSIONS (mm)



#### POWER/FLOW



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

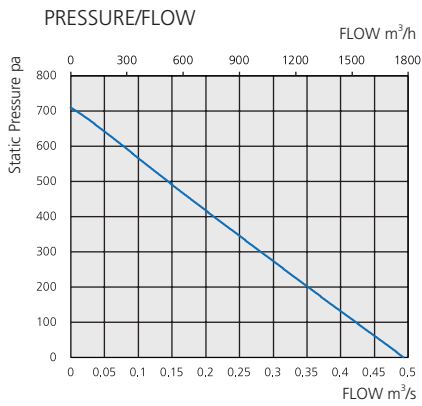
WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS

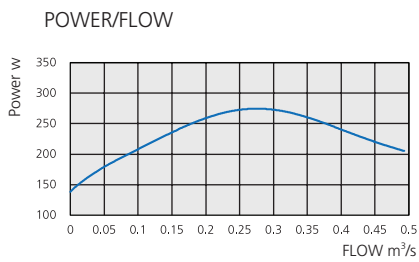
# WALL FANS WITH CIRCULAR CONNECTION

## KVFU 315 C 50Hz

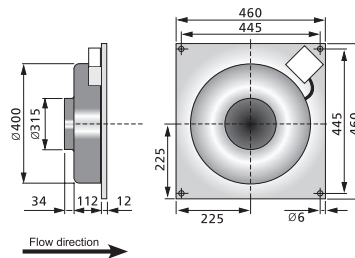


### TECHNICAL DATA

Product name	KVFU 315 C-sj 50Hz	KVFU 315 C 50 Hz	
Art. no.	1007103130	1007100130	
Voltage	230/50	230/50	V/Hz
Voltage range	220-240 /50	220-240 /50	V/Hz
Phase	1	1	~
Current	1.21	1.21	A
Power	276	276	W
Speed	2500	2500	RPM
Capacitor	8	8	µF
Max temperature of transported air	50	50	°C
Sound pressure level at 3m	51	51	dB(A)
Weight	5.9	5.9	Kg
Wiring diagram	4040001	4040001	



### DIMENSIONS (mm)



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS





- CIRCULAR CK
- LOW PROFILE LPK
- INSULATED IRE
- RECTANGULAR RK
- BOX FAN FBS
- RADIAL FANS
- ATEX FANS
- WALL FANS
- MACHANICAL ACCESSORIES**
- GENERAL FAN FACTS

## MECHANICAL ACCESSORIES

### ASSEMBLY AND INSTALLATION



Safety Grille

Name	Art. no.
BSV 100 Safety Grille	9520002
BSV 125 Safety Grille	9520003
BSV 160 Safety Grille	9520005
BSV 200 Safety Grille	9520008
BSV 250 Safety Grille	9520011
BSV 315 Safety Grille	9520014



Backdraught shutter

Name	Art. no.
RSK 100-4	9520029
RSK 125-5	9520030
RSK 150-6	9520031
RSK 160	9520032
RSK 200-8	9520033
RSK 250-10	9520034
RSK 315	9520035



Flexible silencer

Name	Art. no.
Flexible Silencer Steel L=0.6m,φ 100	9530031
Flexible Silencer Steel L=0.6m,φ 125	9530032
Flexible Silencer Steel L=0.6m,φ 150	9530033
Flexible Silencer Steel L=0.6m,φ 160	9530034
Flexible Silencer Steel L=0.6m,φ 200	9530035
Flexible Silencer Steel L=0.6m,φ 250	9530036
Flexible Silencer Steel L=0.6m,φ 315	9530037



Mounting clamp

Name	Art. no.
MK 100	9560002
MK 125	9560003
MK 150	9560004
MK 160	9560005
MK 200	9560006
MK 250	9560007
MK 315	9560008



Switch

Name	Art. no.
3-Speed knob switch	1405000003



Mounting brackets

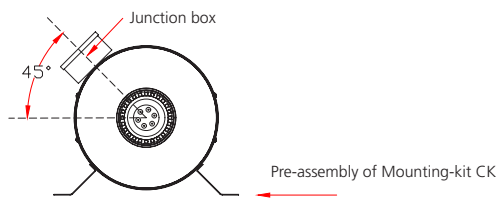
Name	Art. no.
Mounting bracket kit	5900006



Mounting-kit

Name	Art. no.
Mounting-kit CK	5190007

Pre-assembly optional, the installation way of Mounting-kit CK is as below:





The following chapter "General Fan Facts" we give some simple explanations, so you can get the most out of reading this catalogue.  
Östberg's product catalogue contains a great deal of information. If you choose a product from this catalogue, it is important to understand how this information should be used to ensure that you receive the product that you are expecting.  
It is also important to know what standards have been used to compile the measurement data. This is particularly important if you would like to compare fans from different manufacturers, as the results may vary depending on the measuring standards used.

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- LOW PROFILE LPK
- INSULATED IRE
- RECTANGULAR RK
- BOX FAN FBS
- RADIAL FANS
- ATEX FANS
- WALL FANS
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# GENERAL FAN FACTS

## FAN WHEELS AND FAN MOTORS

### FAN WHEELS

Östberg use radial fans in our products. In a radial fan the air stream is angled 90°, the supply air enters in an axial direction and leaves the fan wheel in a radial direction. They have either backward or forward curved impeller blades. In addition to impeller size, fan rotation speed (rpm) is a determining factor in the resulting pressure and flow.

High rotation speeds lead to high flow and pressure, but higher rotation speeds also generate more sound and consume more energy.

### FORWARD CURVED IMPELLER (F WHEEL)

Fans with forward curved impellers provide a compact solution and are most competitive at relatively high pressures, where they also have their highest efficiency.

It is important when choosing a fan with a forward curved impeller to ensure that it is correctly positioned in the area shown in the diagram (Fig. 1, 2 and 3).

At low pressure and high airflow, a forward curved impeller requires a great deal of power from the motor, but the motors are often not designed for this. This is shown with a red line in the pressure/flow diagram and referred to as "prohibited work area". Within this area, the motor overheats very quickly. One drawback of forward curved impellers is that dirt and impurities easily get caught on the concave side of the impeller, which impairs capacity and can cause unbalance. If the impeller gets dirty, it must be cleaned, which can be rather difficult. But a fan with a swing-out function makes this easier.

Forward curved impellers are used in some of our fans, such as RK duct fans, IRE insulated duct fan, RF and DF single and double inlet centrifugal fans and our ATEX certified fans RFTX and RKX.

### BACKWARD CURVED IMPELLER (B WHEEL)

If you choose a fan with backward curved impeller with the same pressure and flow as a fan with forward curved impeller, the fan with backward curved impeller will be larger than the forward curved. The advantage of choosing this type of fan is that the backward curved impellers have higher efficiency, which means that the fan consumes less energy at the same pressure and flow. The backward curved impeller has the highest power

consumption where the efficiency rate is best (Fig. 1, 2 and 3).

Another advantage of these fans is that the impeller does not get dirty as fast as the forward curved, and they are significantly easier to clean when they do. Backward curved impellers are used in our CK, LPKB and RKB duct fans, wall fans KV.

### FAN MOTORS

The Östberg range includes products with single-phase or 3-phase AC and EC motors. Our products comply with the Ecodesign directive 209/125/EC.

From the 1 January 2015 a minimum efficiency of fans (motor with fan wheel) with an electric input power between 125 W and 500 kW is required by the second tier in Commission Regulation EU 327/2011. Compliance with these requirements is indicated with the ErP 2015 sign (products with this sign are classified as "fans").

Ecodesign requirements for ventilation units are made in Commission Regulation EU 1253/2014. The second tier of this regulation is valid since 1 January 2018 and sets requirements on minimum fan efficiency for uni-directional ventilation units as well as thermal efficiency and maximum internal specific fan power for bi-directional ventilation units. Compliance with these requirements is indicated with the ErP 2018 sign (products with this sign are classified as "ventilation units"). The increased demand for energy efficiency has caused a shift in the fan motor range, from the conventional AC motor to EC motors with better efficiency and power regulation.

### AC MOTOR

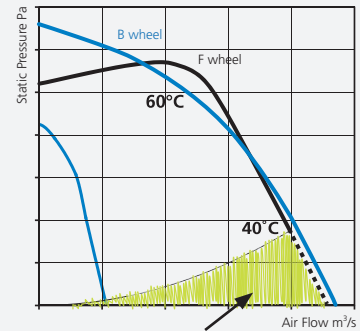
The products in Östbergs range with AC motor have "AC" in the type designation. An induction motor is an electric motor where the rotor speed is asynchronous with the input voltage frequency.

### EC MOTOR

The products in Östbergs range with EC motor have "EC" in the type designation. The EC motor (Electronically Commutated) has an electronic control unit integrated in the motor which increases efficiency by optimally controlling the windings magnetization in the motor in ratio to the rotor.

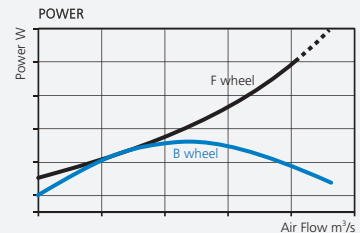
When comparing an F wheel and a B wheel at corresponding flow and pressure, the diagrams shows that F wheel has a higher pressure and the B wheel gives a better efficiency.

FIG. 1



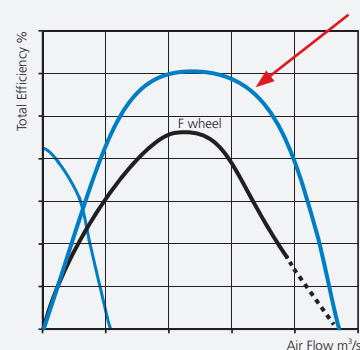
It is important when choosing a fan with a forward curved impeller to ensure that it is correctly positioned in the area shown in the diagram. At low pressure and high airflow, a forward curved impeller requires a great deal of power from the motor. This is shown with a red line in the pressure/flow diagram and referred to as "prohibited work area". Within this area, the motor overheats very quickly.

FIG. 2



The backward curved impellers has the highest power consumption where the efficiency rate is best.

FIG. 3



A fan with backward curved impeller have higher efficiency, which means that the fan consumes less energy at the same pressure and flow.

FIG. 4

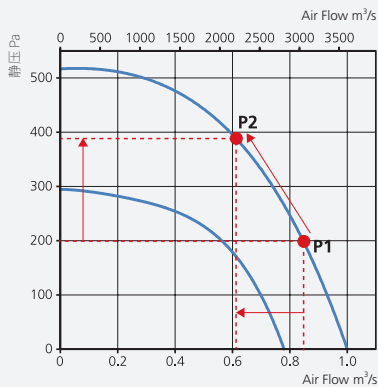


FIG. 5

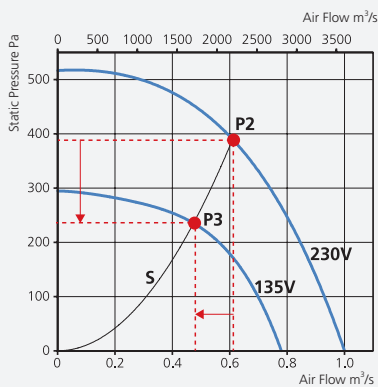
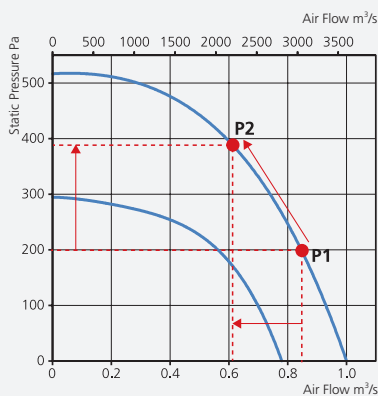


FIG. 6



The fan diagrams can also be shown in Total pressure. Total pressure (Pt) = Static (Ps) + Dynamic pressure (Pd). Note what pressure is shown for right data.

When choosing a fan, you must first find out the volume of air the fan is going to transport. Then you have to determine what pressure drop the fan will overcome at this flow. Using this data, you can then choose the size of the fan type you have decided.

**REDUCED FLOW WHEN INCREASED PRESSURE, FIG. 4**

The point in the diagram that shows the current flow and pressure is called the fan's working point, which is indicated in this example by P.

As the pressure is increasing in the system, the working point will move along the fan curve and a lower flow will be obtained. Working point P1 is moved to P2. This will increase the power consumption.

**REDUCED FLOW WHEN SPEED CONTROLLED, FIG. 5.**

The System line (S) describes the total ventilation system (ducts, silencers, dampers, diffusers, etc.). Along this system line, the working point moves from P2 to P3 as the rotation speed (voltage) is changed. Distinct voltage steps with e.g. a transformer, 135V and 230V in this example, produces different fan diagrams, "rotation speed diagrams". This will reduce the power consumption.

**PRESSURE IN DUCT, Fig. 6 AND 7**  
A fan's pressure is the work the fan performs in addition to supplying a specific flow. A fan's pressure can be presented as total pressure or static pressure. Static pressure is the pressure that in the duct works at right angles to the duct wall in relation to the pressure outside the duct. Dynamic pressure works in the duct's longitudinal direction and is dependent on the air velocity in the duct. It is the static current pressure that is dimensioned when choosing a fan for a system. It is the static pressure drop that is calculated for the duct system during the pressure drop calculation.

The static pressure added to the dynamic pressure is the fan's total pressure.

The dynamic pressure, Pd, is calculated as follows:

$$P_d = \rho \cdot v^2 / 2$$

$\rho$  = air density, kg/m<sup>3</sup>

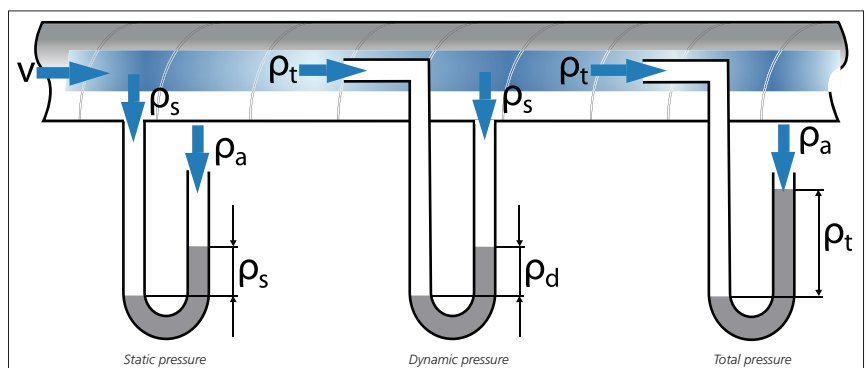
V = air velocity, m/s

Our fan diagrams are shown in **Static pressure**, Pascals (Pa). It is this pressure that must overcome the pressure losses of the ventilation system.

The diagram shows the fan capacity at various points according to the pressure created by ductwork system.

The diagram shows the pressure in Pascals (Pa) on the vertical axis and airflow in cubic metres/seconds (m<sup>3</sup>/s) on the horizontal axis.

FIG. 7.



CIRCULAR CK

LOW PROFILE LPK

INSULATED IRE

RECTANGULAR RK

BOX FAN FBS

RADIAL FANS

ATEX FANS

WALL FANS

MACHANICAL ACCESSORIES

GENERAL FAN FACTS

# GENERAL FAN FACTS

## POWER/FLOW DIAGRAMS

Once you have chosen a fan, the power/flow diagram will show you the amount of power the fan will consume at a certain flow, which will assist you in choosing an energy efficient alternative (Fig. 8).

The electrical equipment, such as rotation speed regulators and fan circuit breakers, must be dimensioned according to technical data/rating, which will specify maximum power consumption (input) and operating current consumption within the permitted working area.

If the current consumption is higher than the rated current, the motor will be overloaded, which considerably shortens the motor's service life. If the winding temperature is too high, the motor's overheating protection will be activated and the motor will stop.

We always specify the motor's input power, but there are fan manufacturers who incorrectly give the motor's output power instead.

You should therefore also compare current consumption figures from different fan manufacturers.

At start-up, current consumption is higher than rated current for a short time. This is called starting current.

Fans with large impellers have longer starting current times. Fans with B-wheels have the highest current consumption in the middle of the curve (Fig. 9) and fans with F-wheels have the highest current consumption at low pressures (Fig. 10).

**TEMPERATURE OF TRANSPORTED AIR**  
In pressure/flow diagrams or in the table of technical data there are facts about highest temperature of transported air

(Fig. 11). All of our fan motors have insulation class F which means that the thermal contact disconnects the power when the winding temperature is maximum 155°C. At this winding temperature the life time of the ball bearings is not optimal. This is why the ambient temperature is shown at a lower winding temperature so the life time of ball bearings becomes optimal.

The winding temperature varies in the diagrams and depending on differences in power/current consumption.

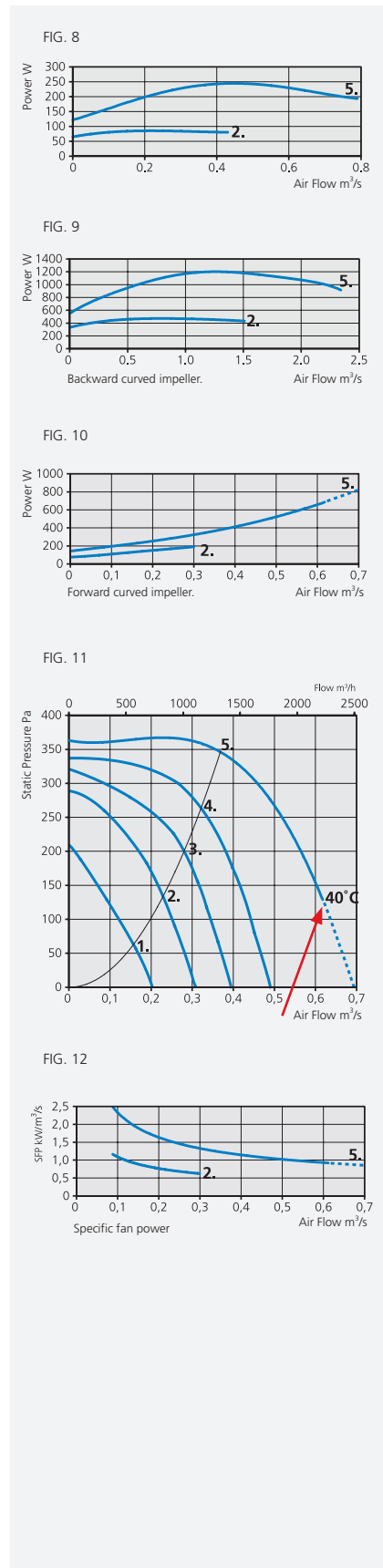
The temperatures in our diagrams are given at the highest winding temperature.

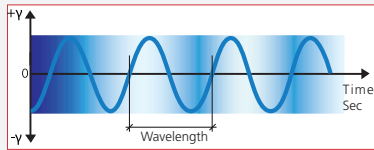
At high current consumption, the most heat is generated in the motors. This heat must be cooled away so that the motor's service life is not affected. Most of our fans have their motors located in the airstream and are cooled by this airstream. If the air that moves past the motor is too warm, it will not sufficiently cool the motor. For this reason, the highest recommended ambient/air temperatures for the fan are provided. If the fan is used at higher temperatures, its service life will be shortened considerably and the fan's overheating protection will activate.

The temperatures are shown in the curve at the pressure and flow where the ambient temperature is lowest. The motor can handle higher temperatures at other pressures and flows. Motors with F-wheels, for example, are used at higher pressures.

### SPECIFIC FAN POWER, SFP

The SFP is a measurement for the size of the total power at a specific flow/pressure and is calculated in kW/l/second (Fig. 12).

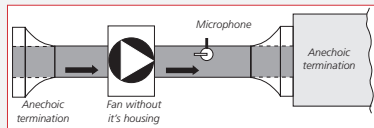




Wavelength for a pure tone. Sound wavelength  $\lambda$  is calculated as  $\lambda = c / f$  where  $f$  is frequency in Hz and  $c$  is the speed of sound in m/s.

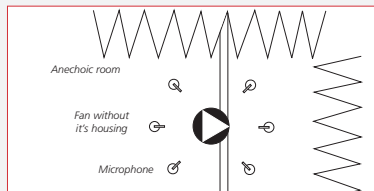
Octave band	Middle frequency Hz	Band limits Hz	Wavelength m
1	63	44-88	5.396
2	125	88-177	2.720
3	250	177-354	1.360
4	500	354-707	0.680
5	1000	707-1410	0.340
6	2000	1410-2830	0.170
7	4000	2830-5660	0.085
8	8000	5660-11300	0.043

FIG. 13



ISO method: Measurements conducted inside a duct with specified design and non-reflecting connection. Measurements and calculations conducted in 1/1 octave band.

FIG. 14



AMCA method: Measurement conducted on free-standing fan in fully soundproof room. Results in lower sound levels.

FIG. 15

Octave band Hz	63	125	250	500
Inaccuracy dB	-5.0	+3.4	+2.6	+2.6
Octave band Hz	1000	2000	4000	8000
Inaccuracy dB	-2.6	+2.9	+3.6	+5.0

The sound level that we experience is the intensity of the pressure fluctuations that the sound consists of. Pressure fluctuations can be measured and given in Pascals, Pa, and are called sound pressure.

The lowest sound that the human ear can register is a pressure difference of 0.00002 Pa (hearing threshold). The highest pressure is 20 Pa (pain threshold). To make it easier to report sound levels, a logarithmic scale is used instead of Pascals. This scale is called Bell, or more commonly, decibel, and is abbreviated dB. The decibel scale ranges from 0 dB (hearing threshold) to 120 dB (pain threshold). One advantage of this is that the human ear registers sound levels logarithmically, which means that a difference of 1 dB is perceived equally across the entire scale. An increase of 6 dB equals a doubling of sound pressure, but an increase of 10 dB is required for us to perceive this increase as having doubled.

The human ear can discern a 3 dB difference in sound pressure.

**SOUND DATA**

In our catalogues, we give the sound power level  $L_w(A)$  and sound pressure level  $L_p(A)$  for sound in ducts and sound that is transmitted to the surroundings (through the fan casing). Values are measured in accordance with ISO 3741 for sound transmitted to the surroundings from the fans, or ISO 5136 for measurements of sound power level to the ducts. Note that measurements conducted according to another standard may differ from the measurement data in these ISO standards.

We conduct sound measurements according to the ISO method, in which the fan is measured in its casing to provide the most realistic values. (Fig. 13.) Measurements conducted on free-standing fans without casing result in lower sound levels. In Application of Manufacturers' Sound Data, industry organization ASHRAE in the US states that: "Measurements conducted on free-standing fans have 5-10 dB lower sound

levels in octave bands from 250 Hz, and lower sound levels than fans in fan casing." (Fig. 14.)

**MEASUREMENT INACCURACY**

In conjunction with the preparation of its measuring method for sound power levels in ducts, ISO analyzed inaccuracy in various octave bands (90% reliability). (Fig. 15.)

**SOUND POWER LEVEL**

Sound power level,  $L_w(A)$ , is used to calculate the sound generated from the entire ventilation system. The system consists of components such as dampers, ducts, diffusers, grilles, etc., all of which contribute to the total sound power for the entire system.

The sound power level is a calculated value that specifies the source intensity or the acoustic power emitted; it does not indicate how strongly the sound is perceived. Sound power level is reported in octave bands 63-8000 Hz and as a logarithmic composite sum  $L_w(A)_{tot}$ .

**SOUND PRESSURE LEVEL**

Sound pressure level,  $L_p$ , indicates how the sound is perceived. It is calculated in relation to a reference sound pressure,  $P$ , which is the hearing threshold, as follows:  
 $L_p = 10 \log (P/P_0)$   
 $2 L_p = 20 \log P/P_0$   
 Where  $P_0 = 2 \times 10^{-5}$  (Pa)

Sound pressure varies according to distance and direction from the source of the sound. The acoustic properties of the surroundings also affect sound pressure.

The sound pressure level is presented for a normally soundproofed room with an equivalent absorption area of 20 m<sup>2</sup>. A difference of 7 dB corresponds to a distance of roughly 3 m to the sound source with semi-spherical propagation of sound. In an attempt to simulate how the human ear perceives the sound at the different frequencies, it is weighted (corrected in the octave band) to weighting curve A which is presented as  $L_p(A)$  and by the unit dB(A). (Fig. 16.)

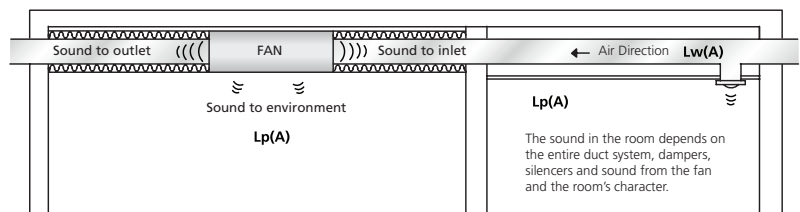


FIG. 16

Frequency	63	125	250	500	1000	2000	4000	8000
Measured sound pressure level $L_p$ dB	50	46	30	25	20	18	15	15
A filter	-26	-16	-9	-3	0	+1	+1	-1
A-weighted sound pressure level $L_p(A)$ dB	24	30	21	22	20	19	16	14

Tabell A-filter

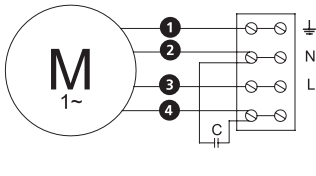
The dB scale is logarithmic and following the logarithmic addition of the above sound pressure levels, the total is 32,5dB(A).  
 $dB_{tot} = 10 * \log [10^{(dB 1/10)} + 10^{(dB 2/10)}]$

$L_p = 10 \times \lg (10L_{p1}/10 + 10L_{p2}/10 \dots + 10L_{pX}/10)$

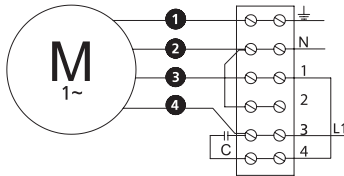
# GENERAL FAN FACTS

## WIRING DIAGRAMS

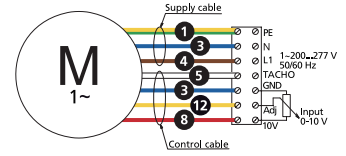
4040001  
Single phase



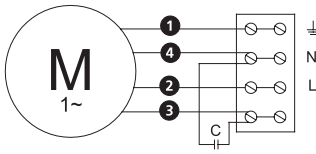
4040137  
Single phase



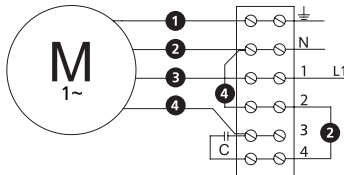
4040153  
Single phase 230 V.



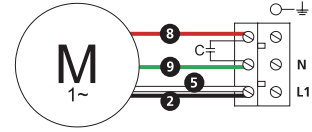
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Single phase



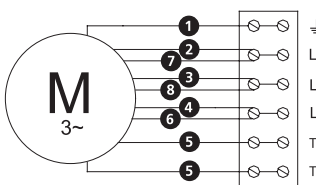
4040140  
Single phase



4040191  
Single phase 230 V.



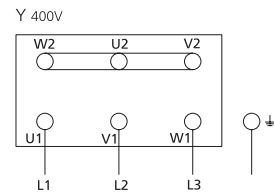
4040003  
3-phase  $\Delta$  230 V. with external thermo contact leads, TW



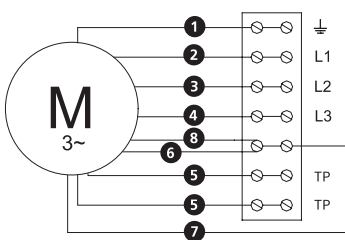
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Single phase



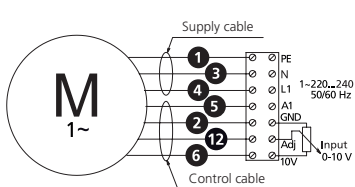
4040116  
3-phase Y 400 V.



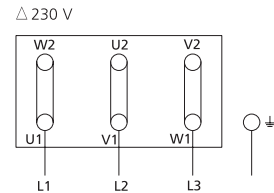
4040004  
3-phase Y 400 V with external thermo contact leads, TW



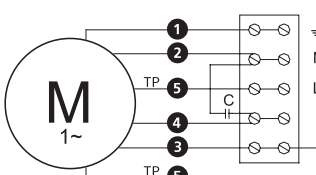
4040148  
Single phase



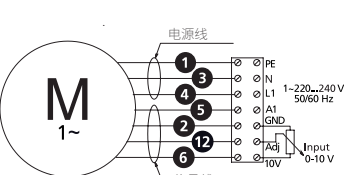
4040196  
3-phase  $\Delta$  230 V.



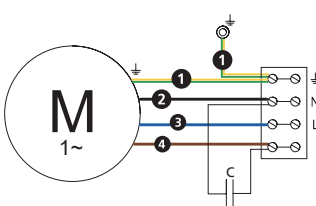
4040005  
Single phase



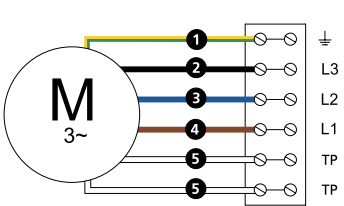
4040180  
Single phase



4040197  
Single phase



4040115  
3-phase Y 400 V.



- (M) = Fan motor
- (M1) = Fan motor
- (M2) = Fan motor
- 1 = Yellow / Green
- 2 = Black
- 3 = Blue
- 4 = Brown
- 5 = White
- 6 = Orange
- 7 = Grey
- 8 = Red
- 9 = Green
- 12 = Yellow



# healthy indoor climate

ÖSTBERG supplies the world with energy  
efficient, top-notch ventilation products  
for a fresh and healthy indoor climate  
wherever people live, work or play

**ÖSTBERG** 

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