



FANS FOR WELDING FUMES, DUST AND OILMIST



Part No. / Réf. / Art. Nr. / Cód.:

84320 – 84323 – 84325 - 84330

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Fans for welding fumes, dust and oilmist.

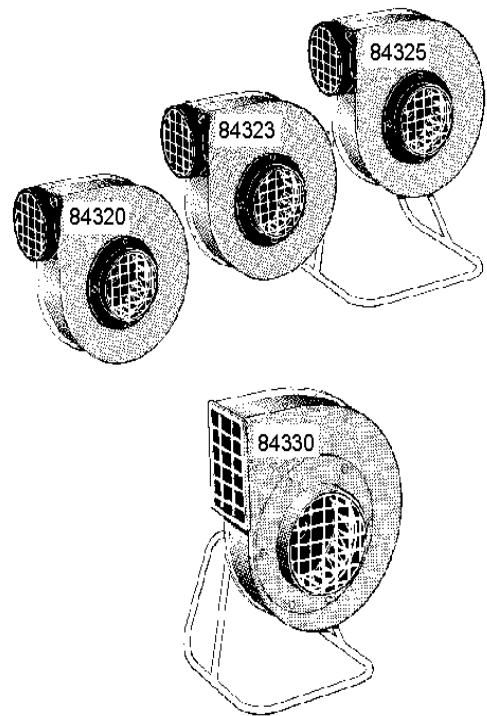
Alentec & Orion AB offers a wide range of fans, fulfilling every demand for fans meant for workshops. The fans are equipped with a non-sparking impeller of aluminium, especially designed to resist welding fumes, dust and oil mist. Matched diameter of inlet and outlet (84320-84325) provides a smooth continuous airflow and a high capacity. By using Alentec & Orion AB's automatic control equipment for energy saving (84315 and 83020) the performance of the fan is utilized to its maximum, enabling a more efficient extraction rate and also reducing the energy costs. For information on ancillary control equipment and accessories, please contact Alentec & Orion. The fans are intended and designed for use with a centralised ducting system.

Delivery

The fans are delivered complete with different support or intended or intended for direct mounting according to the table below.

NOTE! Alentec & Orion AB product responsibility only applies if the equipment is not altered or added to, other than with the written consent of Alentec & Orion AB.

Prod.nr	Mounting example	Support	Inlet mm	Outlet mm
84320 84323 84325	Mounting on wall or ceiling.	Tubular supportv	Ø 160 sleeve	Ø 160 sleeve
84330	Various Applications.		Ø 250 sleeve	□142x215*
84320 84323 84325	Direct to Swing arm, (84414-16, 88418-19)..	Angled support	Ø 160 sleeve	Ø 160 sleeve
84330			Ø 250 sleeve	□142x215*
84320 84323 84325	Direct to Extraction arm (84400-05)	-	Ø 160 sleeve	
84330			Ø 250 sleeve	□142x215*



*For outlets with round sleeves, see "accessories".

Advantages

- Non-sparking impeller designed for vehicle exhaust gas, volatile fumes and dust.
- High capacity and low sound level.
- Housing constructed in 1-1,5 mm sheet metal, finished impact resistant enamel.
- All fans are equipped with a protective grill at both the inlet and the outlet.
- Long working life
- Flexible fan house enabling simple duct connections on in- and outlet.

Technical data

84320

Power supply: 230/400 V 3~
Frequency: 50 Hz
Output: 0,37 kW
Rated current: 1,02-1,1 A
Motor speed 2800: rpm

84323

Power supply: 230/400 V 3~
Frequency: 50 Hz
Output: 0,55 kW
Rated current: 1,4-1,5 A
Motor speed 2800: rpm

84325

Power supply: 230/400 V 3~
Frequency: 50 Hz
Output: 0,75 kW
Rated current: 1,9-2 A
Motor speed: 2800 rpm

84330

Power supply: 230/400 V 3~
Frequency: 50 Hz
Output: 1,1 kW
Rated current: 2,5-2,7 A
Motor speed 2800: rpm

Safety information

1. A strong safety net is fitted to the in- and outlet of the fan.
2. Connection onto the electrical system may only be carried out by certified electricians.

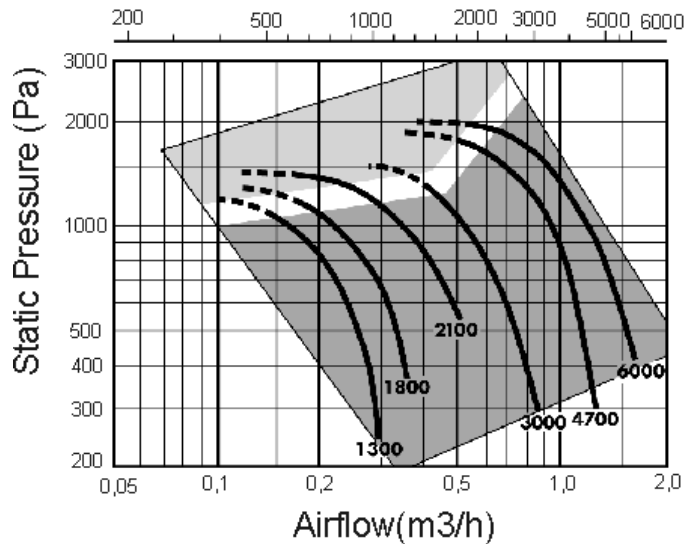
NOTE! IT IS PROHIBITED TO INTERFERE WITH THE ABOVE SAFETY PRECAUTIONS.

Airflow through different outlets and freeblowing

Extractor type	No of extractors	84320 1300m³/h	84323 1800m³/h	84325 2100m³/h	84330 3000m³/h
Extraction arm 2m (84400)	1	1000**	1250**	1400	
	2		600	650	1300**
	3				850
	4				
	5				
Extraction arm 3, 4 m (84402, 84405)	1	950**	1200**	1300	
	2		50	600	1200**
	3				750
	4				
	5				
Extraction arm with extension (84414-16 + 84400-05)	1		750	1000**	
	2				1050**
	3				650
	4				
	5				
Capacity freeblowing		1400	1800	2160	3000
Motor output kW		0,37	0,55	0,75	1,1
Voltage V		400 ,3 ~	400, 3~	400, 3~	400, 3~
Rated current Amp		1,02-1,1	1,4-1,5	1,9-2	2,5-2,7
Sound level dB(A) house		63	63,8	65,9	68,1
Sound level dB(A) inlet		69	69,1	68,6	75,8
Sound level dB(A) uoutlet		72,7	72,7	76,4	81,6
Motor speed rpm		2800	2800	2800	2800

**Recommended fans.

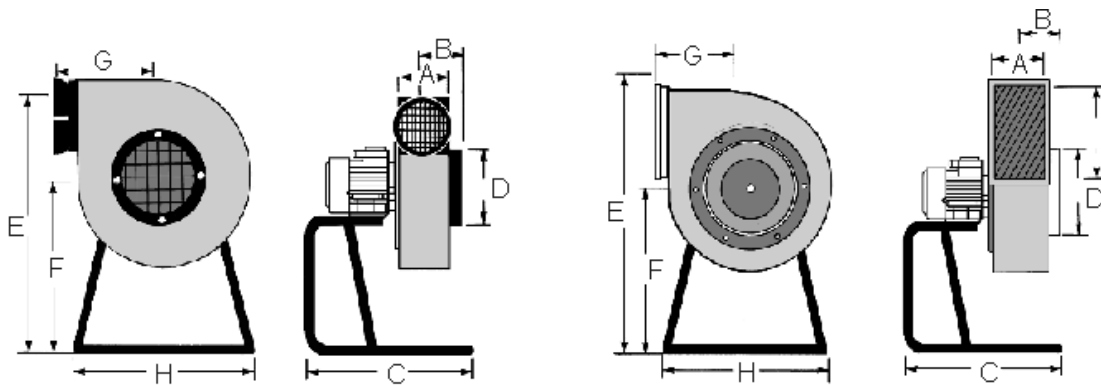
Pressure loss chart for 84320-30.



- Recommended working range
- Critical zone
- Fans unsuitable

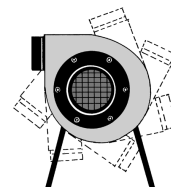
Dimensions – tubular support

Fan mounted on tubular support. For various applications.

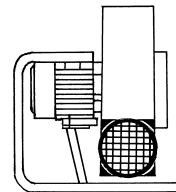


Prod. Nr:	A	B	C	D	E	F	G	H	I	Weight (kg)
84320	Ø160	95	430	Ø160	650	415	245	445	-	15,6
84323	Ø160	95	430	Ø160	650	415	245	445	-	16,4
84325	Ø160	95	430	Ø160	660	425	245	445	-	19,4
84330	142	110	450	Ø250	740	410	230	445	215	24,0

Dimensions in mm.



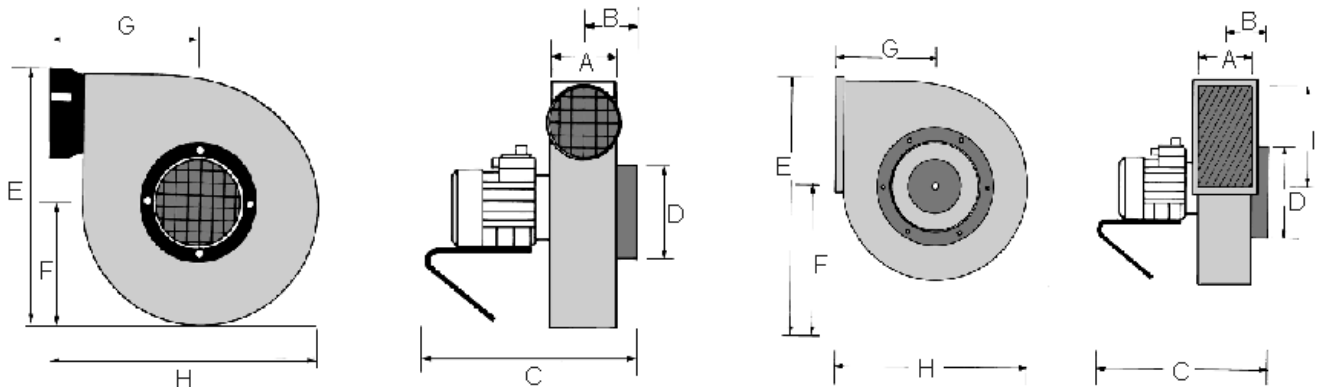
The fan can be turned around its axis and mounted to the support in six different angles.



The motor can be mounted inside the support, (applies only to 84320, 84323 and 84325)

Dimensions – angled support.

Fan mounted on angled support. For direct mounting on Extension arm (84414-16)

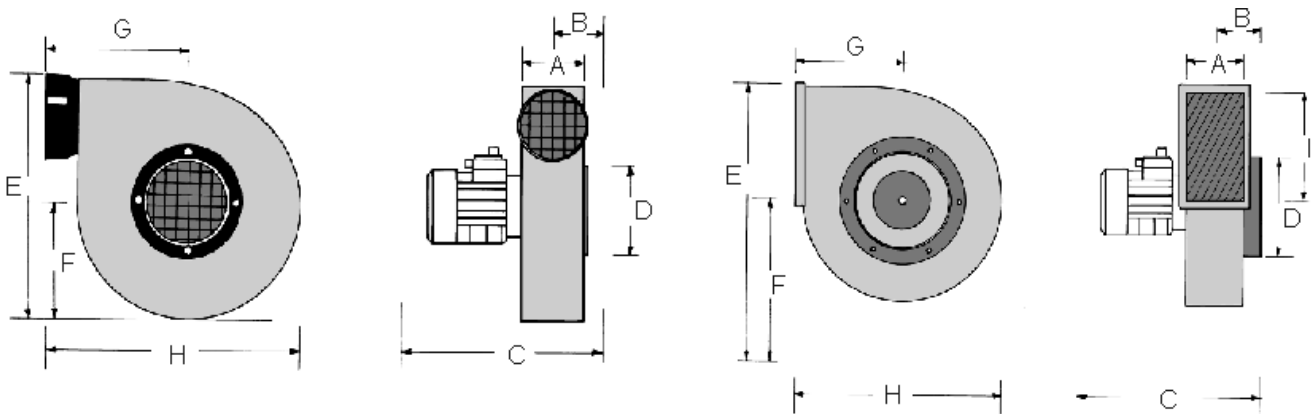


Prod. Nr:	A	B	C	D	E	F	G	H	I	Weight (kg)
84323	Ø160	95	380	Ø160	430	200	245	455	-	16,4
84325	Ø160	95	380	Ø160	430	200	245	455	-	19,4
84330	142	110	430	Ø250	560	250	230	515	215	24,0

Dimensions in mm.

Dimensions

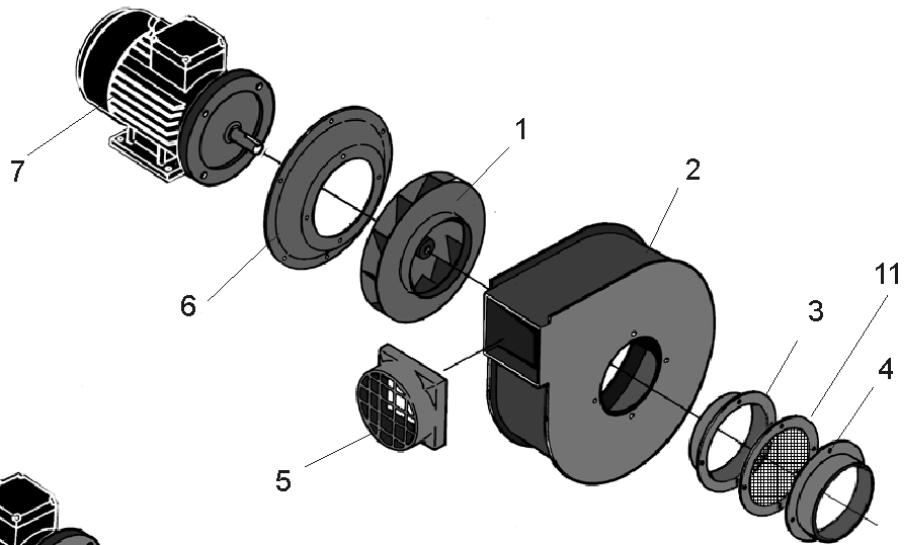
Fan without support. For direct mounting on Extraction arm (84400-05).



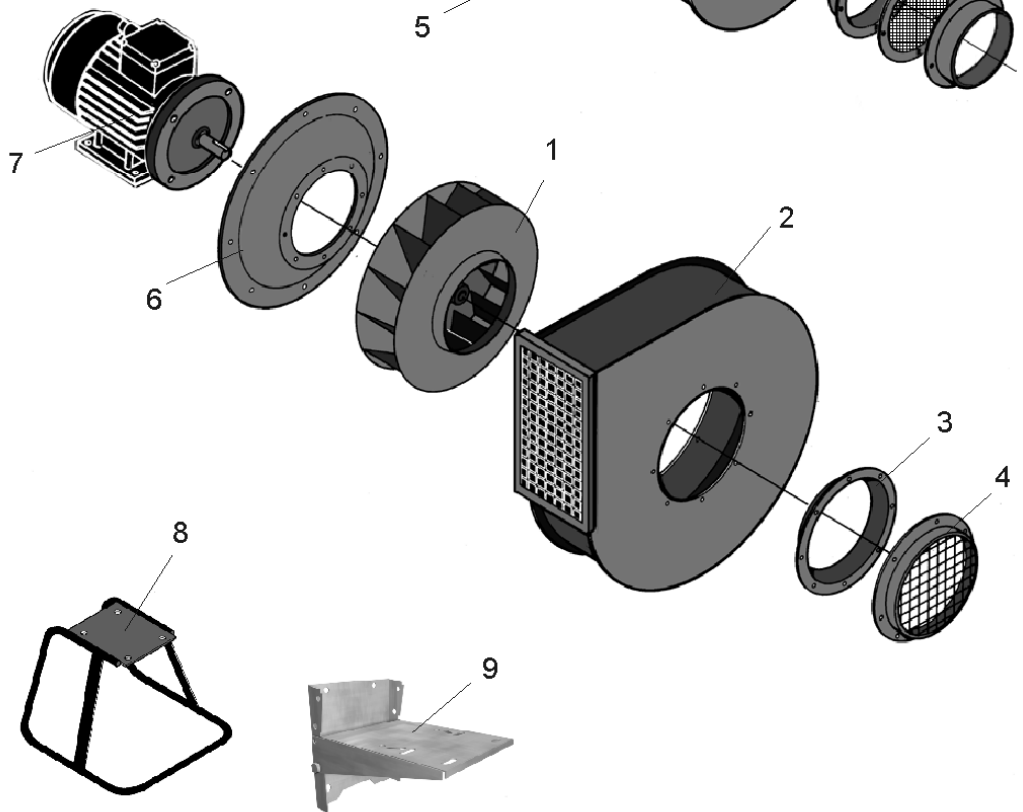
Prod. Nr:	A	B	C	D	E	F	G	H	I	Weight (kg)
84320	Ø160	95	355	Ø160	430	200	245	445	-	12,6
84323	Ø160	95	355	Ø160	430	200	245	445	-	13,4
84325	Ø160	95	395	Ø160	430	200	245	445	-	16,4
84330	142	110	430	Ø250	560	250	230	515	215	24,0

Spare part drawing

84320, 23, 25



84330



Spare parts list

Product		Description
84320	A	84320 3 ph.
84323	B	84323, 3 ph.
84325	C	84325, 3 ph.
84330	D	84360, 3ph.

Pos	Art. No:	A	B	C	D	Description
1	507 426-DM	1				Impeller 1300 mod 3
	507 434-DM		1			Impeller 1800 mod 3
	507 442-DM			1		Impeller 2100 mod 3
	507 459-DM				1	Impeller 3000 mod 3
2	500 025	1	1	1		Fan housing 1300, 1800, 2100
	507 046				1	Fan housing 3000
3	505 784	1	1			Inlet spigot 1300, 1800 fan
	507 376			1		Inlet spigot 2100 fan
	504 266,1				1	Inlet spigot 3000 fan
4	505 826	1	1	1		Spigot D=157 mm
5	517 532	1	1	1		Outlet spigot
6	505 635,1	1	1			Motor plate 1300, 1800
	505 644,1			1		Motor plate 2100
	503 326,1				1	Motor plate 3000
7	936 724	1				Motor 3Ph, 0,37 kW, 220-240/ 380-420V 50 Hz
	936 773		1			Motor 3Ph, 0,55 kW, 220-240/ 380-420V 50 Hz
	936 807			1		Motor 3Ph, 0,75 kW, 220-240/ 380-420V 50 Hz
	936 864				1	Motor 3Ph, 1,1 kW, 220-240/ 380-420V 50 Hz
8	507 012-Z	1	1	1	1	FS-bracket
9	3420-1011	1	1	1		Mounting plate for 34323-84325
	3425-1011				1	Mounting plate for 34330
11	517 482	1	1	1		Mesh