



Product Catalogue



OBF Medium Pressure Centrifugal Fan



Technical Specifications

MEDIUM PRESSURE CENTRIFUGAL FAN

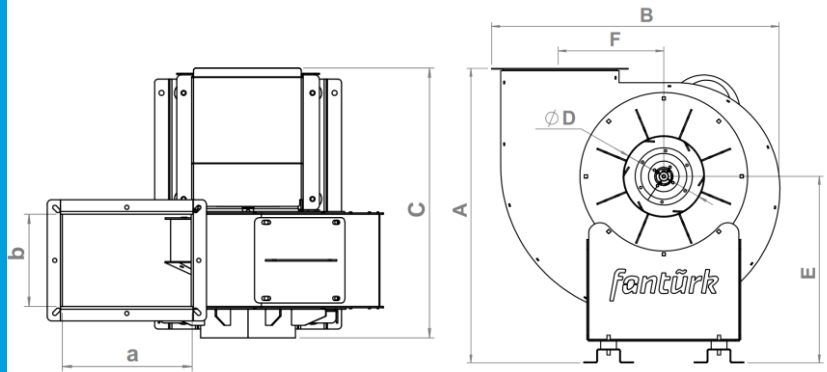
OBF series are single suction high efficiency and low noise fans. The maximum temperature of the suction fluid should be 120 ° C. In order to work at a higher temperature, modifications to the fan manufacturing are required.

Made of high quality corrosion resistant S355 steel and coated with epoxy paint. Can be made of stainless steel for corrosive and high temperature environments. Fans are radial fans with backward curved blades. It is possible to drive the fan with belt pulley, direct coupling or elastic coupling.

Optionally, it can be manufactured with Ex-Proof feature.

Usage Areas

It is suitable for use in dusty air suction, ventilation, drying, mechanical extraction, dust, sawdust or any kind of ventilation systems with toxic gas systems.



MODEL	A	B	C	Inlet ØD	Outlet a x b	E	F	VOLTAGE	FREQUENCY	MOTOR POWER	CURRENT	MOTOR SPEED	SOUND P. LEVEL	WEIGHT
	mm	mm	mm	mm	mm	mm	mm	V	Hz	kW	A	rpm	dBA	kg
OBF 100	440	415	395	105	140x100	263	135	380	50	0,18	0,55	2820	62	27
OBF 140	540	523	424	120	200x140	335	175	380	50	0,37	1,1	2800	65	39
OBF 160	605	588	460	150	225x160	375	205	380	50	0,55	1,3	2780	68	41
OBF 180	655	645	535	155	250x180	400	225	380	50	1,1	2,3	2900	72	48
OBF 200	746	778	585	206	280x200	472	263	380	50	2,2	4,5	2900	73	74
OBF 224	830	825	635	215	315x224	511	295	380	50	4	7,9	2910	77	100
OBF 250	903	913	716	225	355x250	562	327	380	50	7,5	13,6	2910	82	128
OBF 280	1005	1025	875	240	400x280	635	370	380	50	11	19,5	2945	84	173
OBF 315	1095	1145	900	340	450x315	702	407	380	50	18,5	32,3	2950	87	233

Fan Directions



The centrifugal fan direction must be specified when ordering.

To determine the fan direction, one of the following options is selected when looking from the motor side.

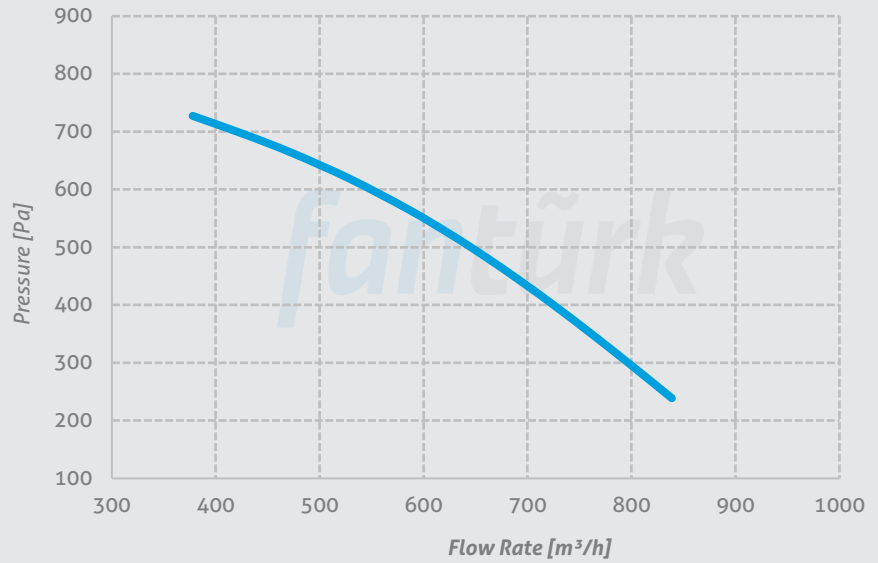


Counter Clockwise	TR Top Right	TR45 Top Right 45°	LT Left Top	LT45 Left Top 45°
	BL Bottom Left	BL45 Bottom Left 45°	RB Right Bottom	RB45 Right Bottom 45°
Clockwise	TL Top Left	TL45 Top Left 45°	RT Right Top	RT45 Right Top 45°
	BR Bottom Right	BR45 Bottom Right 45°	LB Left Bottom	LB45 Left Bottom 45°

Performance Curves

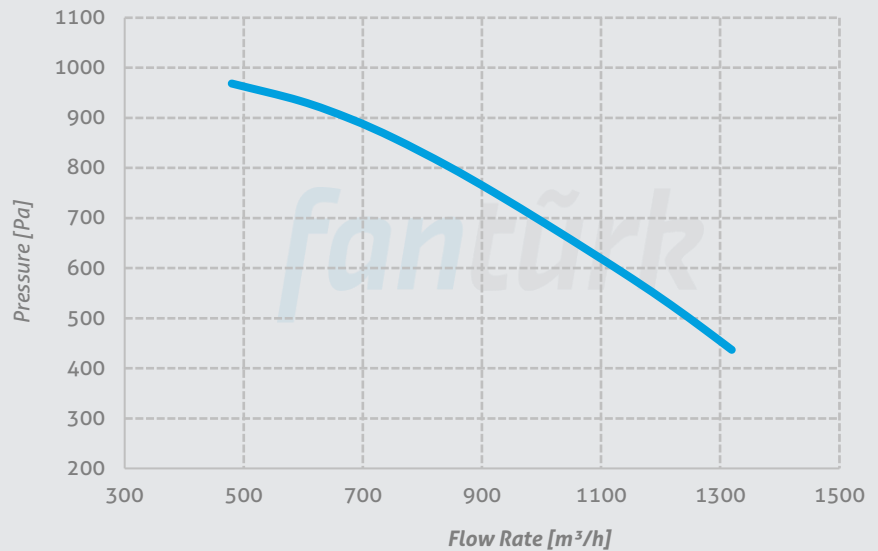
OBF 100/0,18

Voltage 380 V
Frequency 50 Hz
Motor Power 0,18 kW
Motor Speed 2820 rpm
Sound Pressure Level 62 dBA
Weight 27 kg



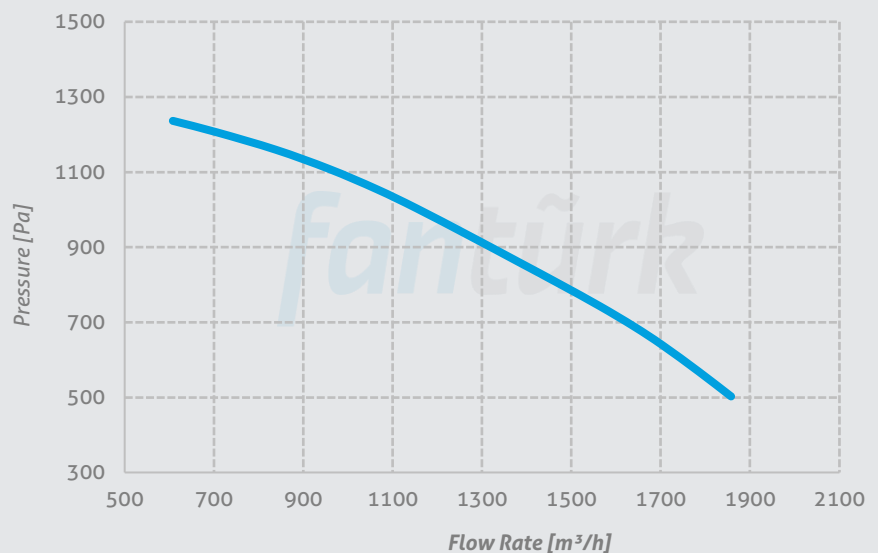
OBF 140/0,37

Voltage 380 V
Frequency 50 Hz
Motor Power 0,37 kW
Motor Speed 2800 rpm
Sound Pressure Level 65 dBA
Weight 39 kg



OBF 160/0,55

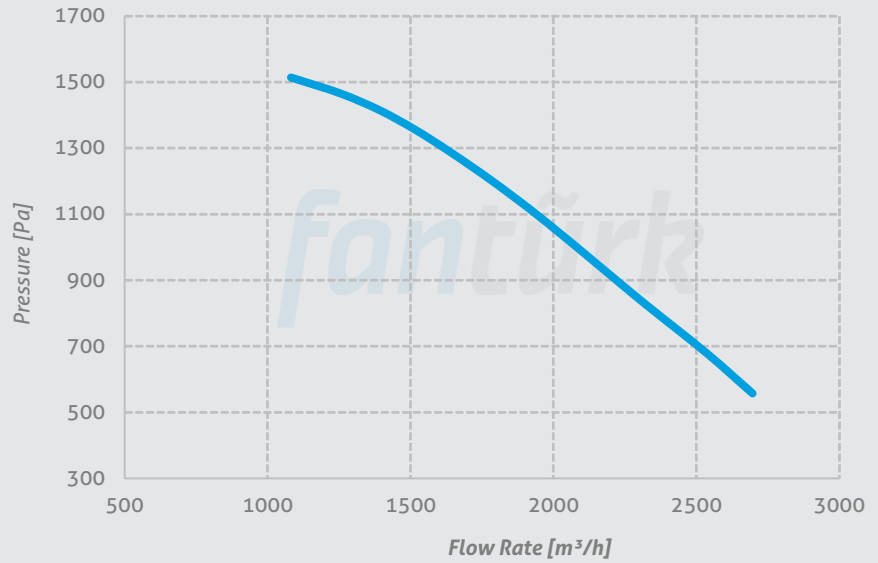
Voltage 380 V
Frequency 50 Hz
Motor Power 0,55 kW
Motor Speed 2780 rpm
Sound Pressure Level 68 dBA
Weight 41 kg



Performance Curves

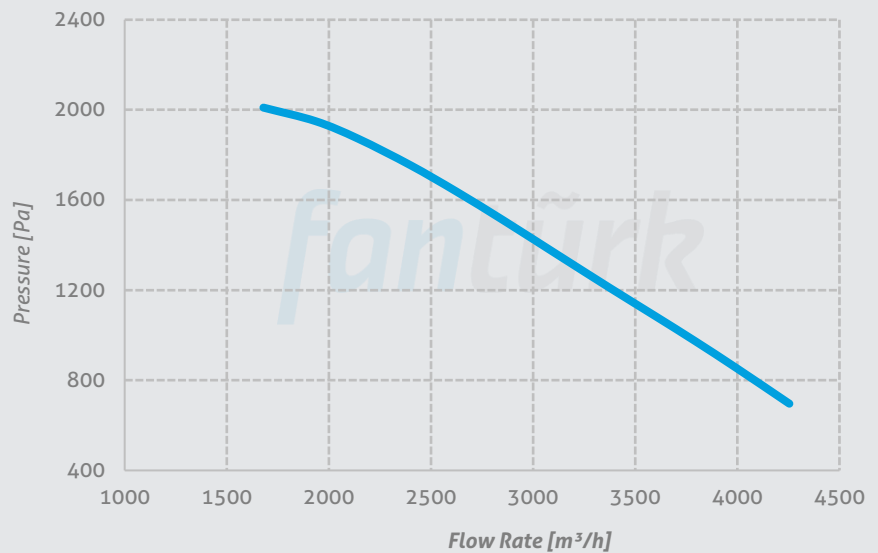
OBF 180/1,1

Voltage 380 V
Frequency 50 Hz
Motor Power 1,1 kW
Motor Speed 2900 rpm
Sound Pressure Level 72 dBA
Weight 48 kg



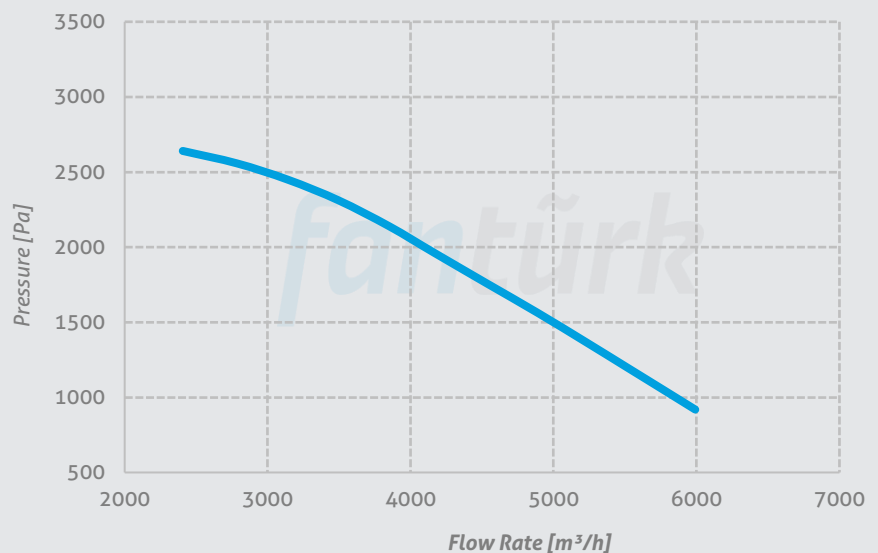
OBF 200/2,2

Voltage 380 V
Frequency 50 Hz
Motor Power 2,2 kW
Motor Speed 2900 rpm
Sound Pressure Level 73 dBA
Weight 74 kg



OBF 224/4

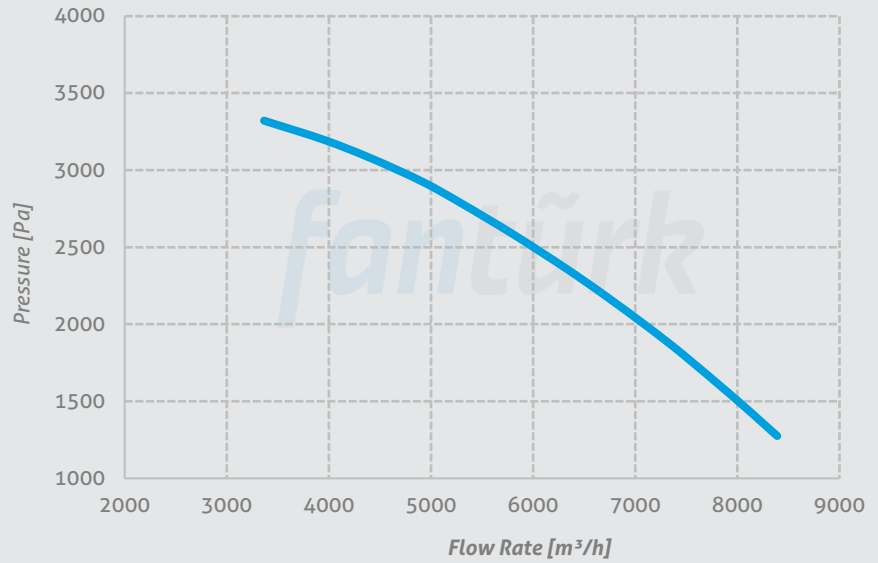
Voltage 380 V
Frequency 50 Hz
Motor Power 4 kW
Motor Speed 2910 rpm
Sound Pressure Level 77 dBA
Weight 100 kg



Performance Curves

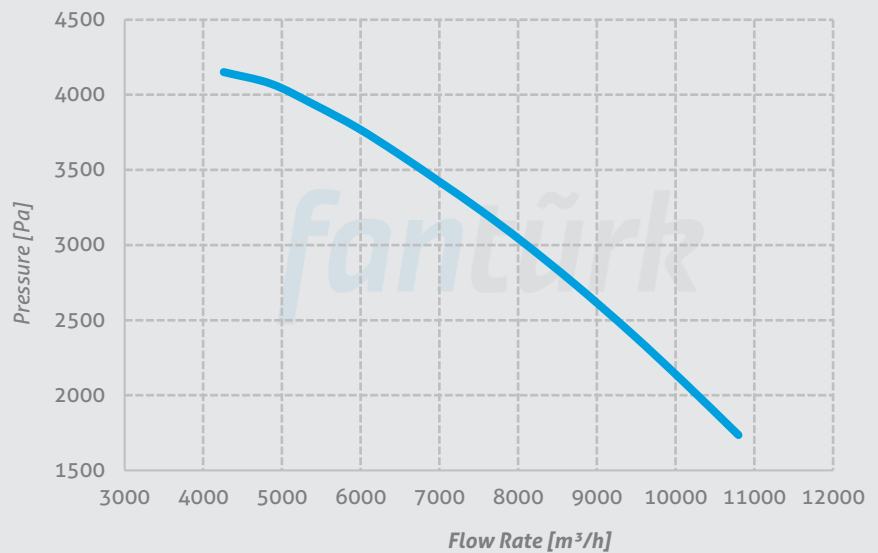
OBF 250/7,5

Voltage 380 V
Frequency 50 Hz
Motor Power 7,5 kW
Motor Speed 2910 rpm
Sound Pressure Level 82 dBA
Weight 128 kg



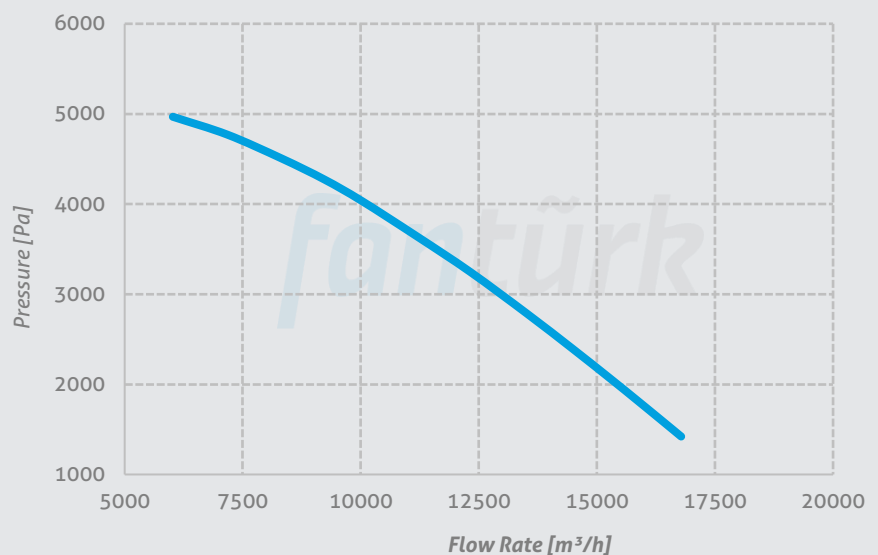
OBF 280/11

Voltage 380 V
Frequency 50 Hz
Motor Power 11 kW
Motor Speed 2945 rpm
Sound Pressure Level 84 dBA
Weight 173 kg



OBF 315/18,5

Voltage 380 V
Frequency 50 Hz
Motor Power 18,5 kW
Motor Speed 2950 rpm
Sound Pressure Level 87 dBA
Weight 233 kg



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