

- Wall fan
- Until 17.500 m³/h
- IP55



Plate mounted axial fans type AWFN-O

Plate mounted axial fan with impeller diameter from 250 up to 710 mm

Application

- The **AWFN-O** fans are designed for installations requiring large capacities with low pressures, for wall or panel fixation
- The **AWFN-O** fans can be used in commercial and industrial buildings, carparks, stockfarms,...

Specifications

- Blow direction AWFN-O: The air moves from motor to fan (impeller). The other way around possible at 70% of the nominal flow.
- Blow direction AWFN-I: The air will move from fan (impeller) to motor. (Price on request)

Composition

- Supporting frame with wide shaped inlet in corrosion proof material or protected against atmospheric agents
- With motor support and safety guard at the motor side.
- **AWFN-O**: airflow from motor to impeller
- The high efficient axial impeller with profile blades in plastic material and hub in die-cast aluminium alloy
- Single-phase motor not speed controllable
- Three-phase motor is speed controllable via frequency inverter (type FIS)
- Protection IP55 – Insulation class F
- Motor class IE2

Options

- Version with die-cast aluminum blades
- Explosion proof version ATEX II cat. 2 or 3
- **AWFN-I**: air flow from impeller to motor

Accessories

- Gravity shutter, type **VK**
- Frequency inverter 3x400 V IN / OUT, type **FIS-(C)-44-B**

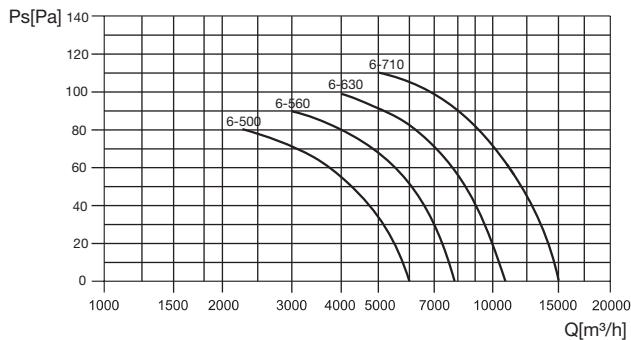
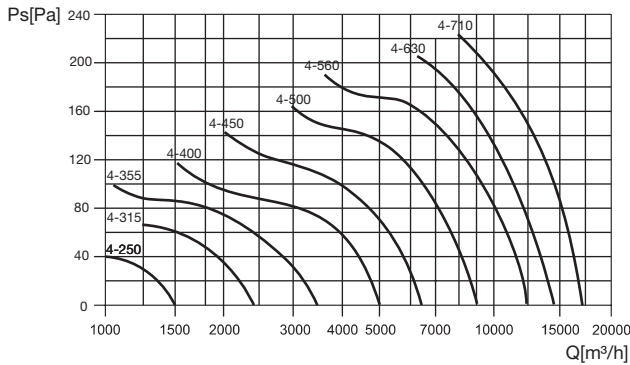
Order example

AWFN-O 4-500 T + VK 540

- AWFN-O = fan
- 4 = 1500 rpm
- 500 = diameter
- T = 3 x 400V
- VK = backdraught shutter

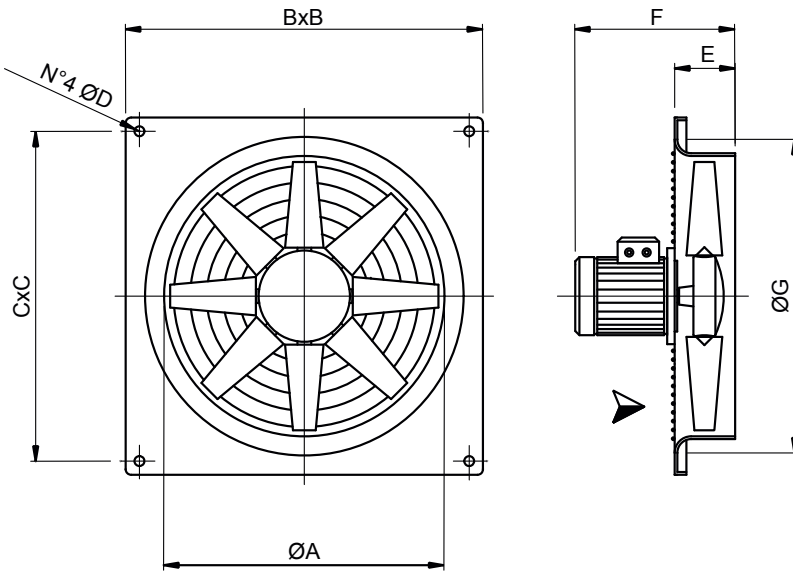
	Air performance data				
	0 Pa	25 Pa	50 Pa	75 Pa	100 Pa
AWFN-O 4-250	1500	1360	-	-	-
AWFN-O 4-315	2400	2155	1750	-	-
AWFN-O 4-355	3500	3150	2665	2000	-
AWFN-O 4-400	5380	5155	4770	3900	1860
AWFN-O 4-450	6800	6285	5760	5100	4000
AWFN-O 4-500	9200	8800	8300	7700	7100
AWFN-O 6-500	6000	5355	4270	2690	-
AWFN-O 4-560	12200	12110	11520	11060	10500
AWFN-O 6-560	7865	7180	6000	4485	-
AWFN-O 4-630	13330	13050	12500	11945	11125
AWFN-O 6-630	10935	9750	8400	6635	-
AWFN-O 4-710	17500	17140	16250	15715	14500
AWFN-O 6-710	15000	13820	12000	9500	6910

Selection curves



	Technical data									
	U [V]	P [kW]	I [A]	SC	Tm [°C]	To [°C]	IP	n [rpm]	Lpa @ 3m [dB(A)]	
AWFN-O 4-250 M	230	0.06	0.4	--	50	-20	55	1500	47	
AWFN-O 4-315 M	230	0.09	1	--	50	-20	55	1500	52	
AWFN-O 4-355 M	230	0.09	1	--	50	-20	55	1500	57	
AWFN-O 4-400 M	230	0.18	1.4	--	50	-20	55	1500	62	
AWFN-O 4-450 M	230	0.25	1.8	--	50	-20	55	1500	66	
AWFN-O 4-450 T	400	0.25	0.8	FIS-4420E0.75-B	50	-20	55	1500	66	
AWFN-O 4-500 T	400	0.55	1.6	FIS-4420E0.75-B	50	-20	55	1500	69	
AWFN-O 6-500 T	400	0.18	0.7	FIS-4420E0.75-B	50	-20	55	1000	59	
AWFN-O 4-560 T	400	0.75	2	FIS-4420E0.75-B	50	-20	55	1500	72	
AWFN-O 6-560 T	400	0.25	1	FIS-4420E0.75-B	50	-20	55	1000	62	
AWFN-O 4-630 T	400	0.75	2	FIS-4420E0.75-B	50	-20	55	1500	76	
AWFN-O 6-630 T	400	0.37	1.3	FIS-4420E0.75-B	50	-20	55	1000	66	
AWFN-O 4-710 T	400	1.5	3.5	FIS-4420E1.5-B	50	-20	55	1500	77	
AWFN-O 6-710 T	400	0.75	2.2	FIS-4420E0.75-B	50	-20	55	1000	67	

- SC = Speed control
- Tm = Maximum air temperature
- To = Minimum operating temperature
- Lpa = Sound pressure level
- Sound pressure level Lpa measured in accordance to DIN 45635 T38



	Dimensions							
	ØA [mm]	B [mm]	C [mm]	ØD [mm]	E [mm]	F [mm]	ØG [mm]	[kg]
AWFN-O 250	260	340	300	10	90	270	315	6
AWFN-O 315	310	390	350	10	110	320	365	7
AWFN-O 355	360	440	400	10	110	320	410	8
AWFN-O 400	410	500	450	10	110	320	465	9
AWFN-O 450	460	560	510	10	110	340	510	13
AWFN-O 500	510	650	580	10	110	360	570	20
AWFN-O 560	570	700	630	10	130	380	630	22
AWFN-O 630	640	800	730	12	130	400	700	24
AWFN-O 710	710	850	800	12	130	460	770	30