

MDI ATEX



MEDIUM PRESSURE ATEX FAN WITH FORWARD IMPELLER AND IN STAINLESS STEEL CONSTRUCTION

MANUFACTURING FEATURES:

- Welded stainless steel AISI 304 housing.
- Stainless steel simple inlet forward curved impeller.
- Atex standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50Hz in single phase motors and 230/400V 50Hz in three phase motors.
- Available positions (to be indicated in case of order): LG270, LG0, LG45, LG90, LG135, LG180, LG225, LG315, RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315.
- The indicated codes correspond to the model in position LG270

APPLICATIONS:

Designed for inline installation, they are suitable for:

- Industrial applications, extraction or injection of air.
- Cooling of machines and parts.
- Clean air transport.
- Corrosive air transport.
- General ventilation in closed environments classified as ATEX zone 2.
- Maximum working temperature: carried air: 130°C, ambient: 1ph 50°C, 3ph 60°C.

UNDER REQUEST:

- 60Hz fans and special voltages.
- Stainless steel motor support.

In compliance with the ATEX Directive 2014/34/UE. Certified ATEX II3G with certified ATEX motor for areas 2 (gas)

Accessories



AB



**INT
ATEX**



RAI



SFC

Technical data

Three-phase motor / 2 poles

Code	Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
			230V	400V					
300717600XD	MDI 10/5 T2 0,12kW ATEX	2800	0,64	0,36	0,12	300	26	2,40	1
300717800XD	MDI 13/6 T2 0,18kW ATEX	2800	0,87	0,51	0,18	600	37	5,30	1
300718100XD	MDI 13/8 T2 0,25kW ATEX	2800	1,12	0,65	0,25	660	38	9,40	1
300718200XD	MDI 16/8 T2 0,37kW ATEX	2800	1,58	0,91	0,37	1.200	43	6,20	1
300718400XD	MDI 18/8 T2 0,55kW ATEX	2800	2,23	1,29	0,55	1.380	50	10,20	1
300718600XD	MDI 20/10 T2 1,1kW ATEX	2800	4,05	2,33	1,10	2.160	52	19	1

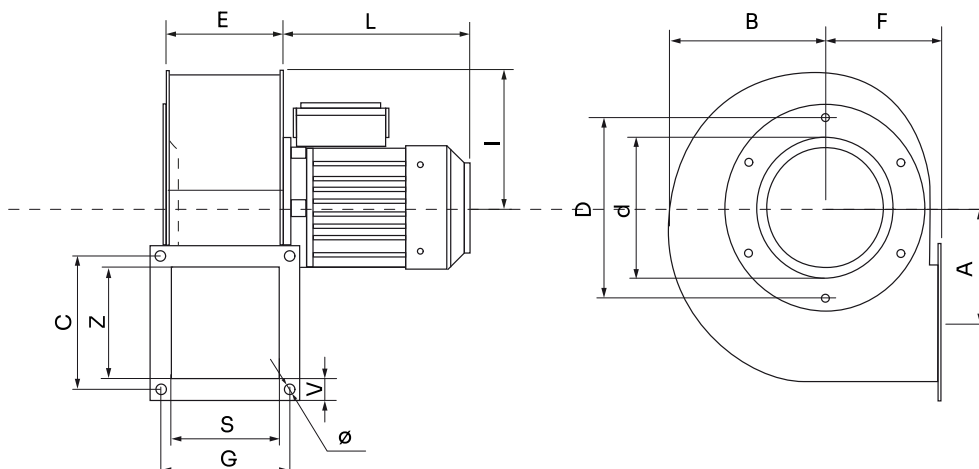
Three-phase motor / 4 poles

Code	Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
			230V	400V					
300717900XD	MDI 13/6 T4 0,12kW ATEX	1400	0,8	0,46	0,12	380	22	4,90	1
300718000XD	MDI 13/8 T4 0,12kW ATEX	1400	0,8	0,46	0,12	390	26	5,80	1
300718300XD	MDI 16/8 T4 0,12kW ATEX	1400	0,8	0,46	0,12	660	30	9	1
300718500XD	MDI 18/8 T4 0,25kW ATEX	1400	1,38	0,79	0,25	900	31	9,70	1
300718700XD	MDI 20/10 T4 0,25kW ATEX	1400	1,38	0,79	0,25	1.200	32	11	1

Notes:

** Total sound pressure level at the point of maximum flow measured in dB(A) in the suction measured in free field at a distance of 6m from the source

Dimensions



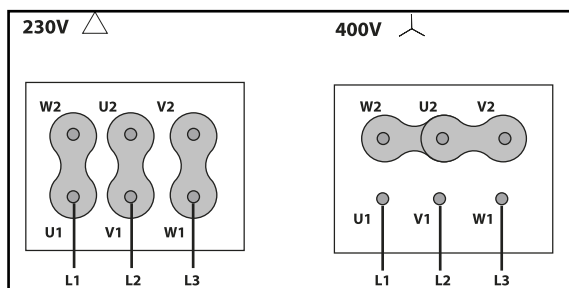
Model	A	B	C	D	E	F	G	I	L
MDI 10/5 T2 0,12kW ATEX	65	90	85	115	72	80	85	77	165
MDI 13/6 T2 0,18kW ATEX	92	125	110	158	92	104	110	110	190
MDI 13/6 T4 0,12kW ATEX	92	125	110	158	92	104	110	110	190
MDI 13/8 T2 0,25kW ATEX	92	125	110	158	112	104	130	110	190
MDI 13/8 T4 0,12kW ATEX	92	125	110	158	112	104	130	110	190
MDI 16/8 T2 0,37kW ATEX	115	158	133	182	114	120	133	134	215
MDI 16/8 T4 0,12kW ATEX	115	158	133	182	114	120	133	134	190
MDI 18/8 T2 0,55kW ATEX	115	158	133	200	114	120	133	134	215
MDI 18/8 T4 0,25kW ATEX	115	158	133	200	114	120	133	134	190
MDI 20/10 T2 1,1kW ATEX	145	190	165	220	144	155	165	160	250
MDI 20/10 T4 0,25kW ATEX	145	190	165	220	144	155	165	160	190

Model	S	V	Z	d	Ø
MDI 10/5 T2 0,12kW ATEX	70	15	70	75	7x14
MDI 13/6 T2 0,18kW ATEX	90	20	90	101	9x16
MDI 13/6 T4 0,12kW ATEX	90	20	90	101	9x16
MDI 13/8 T2 0,25kW ATEX	110	20	90	101	9x16
MDI 13/8 T4 0,12kW ATEX	110	20	90	101	9x16
MDI 16/8 T2 0,37kW ATEX	110	22.5	110	120	9x16
MDI 16/8 T4 0,12kW ATEX	110	22.5	110	120	9x16
MDI 18/8 T2 0,55kW ATEX	110	22.5	110	140	9x16
MDI 18/8 T4 0,25kW ATEX	110	22.5	110	140	9x16
MDI 20/10 T2 1,1kW ATEX	140	25	140	170	9x16
MDI 20/10 T4 0,25kW ATEX	140	25	140	170	9x16

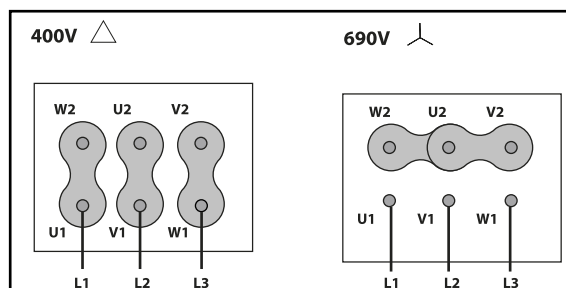
Wiring diagram

Wiring diagram Nº 1

230/400V



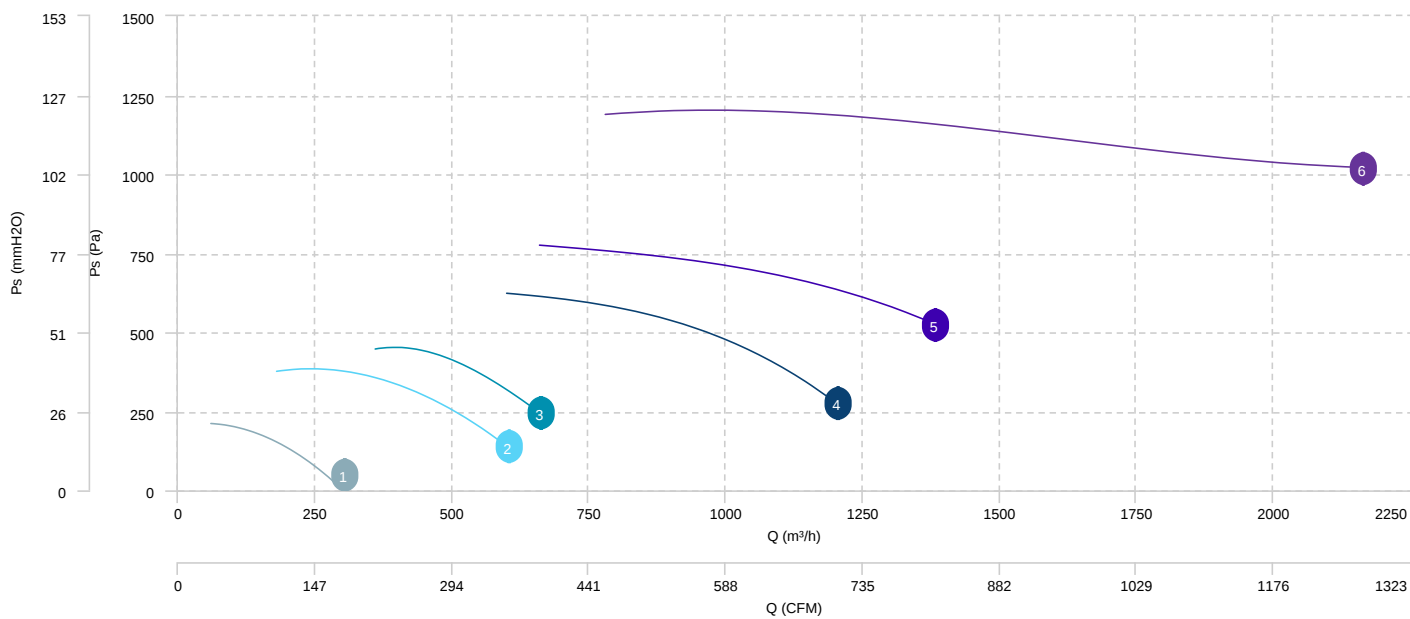
400/690V



CHARACTERISCTIC CURVE

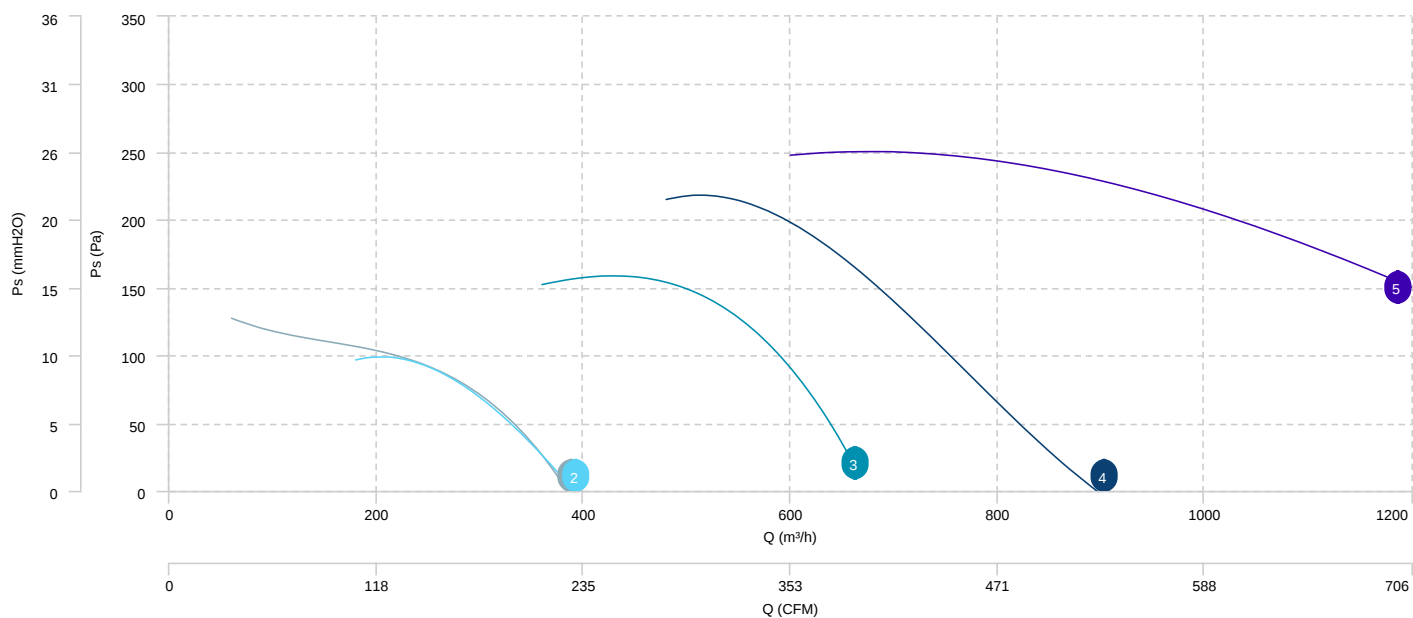
1	MDI 10/5 T2 0,12kW ATEX	2	MDI 13/6 T2 0,18kW ATEX	3	MDI 13/8 T2 0,25kW ATEX	4	MDI 16/8 T2 0,37kW ATEX
5	MDI 18/8 T2 0,55kW ATEX	6	MDI 20/10 T2 1,1kW ATEX				

AIR FLOW - PRESSURE



1	MDI 13/6 T4 0,12kW ATEX	2	MDI 13/8 T4 0,12kW ATEX	3	MDI 16/8 T4 0,12kW ATEX	4	MDI 18/8 T4 0,25kW ATEX
5	MDI 20/10 T4 0,25kW ATEX						

AIR FLOW - PRESSURE



Sound data

Sound / 2 poles

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
MDI 10/5 T2 0,12kW ATEX	Inlet	-	-	-	-	-	-	-	-	52
	Radiated	-	-	-	-	-	-	-	-	52
MDI 13/6 T2 0,18kW ATEX	Inlet	-	-	-	-	-	-	-	-	63
	Radiated	-	-	-	-	-	-	-	-	63
MDI 13/8 T2 0,25kW ATEX	Inlet	-	-	-	-	-	-	-	-	64
	Radiated	-	-	-	-	-	-	-	-	67
MDI 16/8 T2 0,37kW ATEX	Inlet	-	-	-	-	-	-	-	-	69
	Radiated	-	-	-	-	-	-	-	-	69
MDI 18/8 T2 0,55kW ATEX	Inlet	-	-	-	-	-	-	-	-	76
	Radiated	-	-	-	-	-	-	-	-	76
MDI 20/10 T2 1,1kW ATEX	Inlet	-	-	-	-	-	-	-	-	78
	Radiated	-	-	-	-	-	-	-	-	78

Sound / 4 poles

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
MDI 13/6 T4 0,12kW ATEX	Inlet	-	-	-	-	-	-	-	-	48
	Radiated	-	-	-	-	-	-	-	-	48
MDI 13/8 T4 0,12kW ATEX	Inlet	-	-	-	-	-	-	-	-	52
	Radiated	-	-	-	-	-	-	-	-	52
MDI 16/8 T4 0,12kW ATEX	Inlet	-	-	-	-	-	-	-	-	56
	Radiated	-	-	-	-	-	-	-	-	56
MDI 18/8 T4 0,25kW ATEX	Inlet	-	-	-	-	-	-	-	-	57
	Radiated	-	-	-	-	-	-	-	-	57
MDI 20/10 T4 0,25kW ATEX	Inlet	-	-	-	-	-	-	-	-	58
	Radiated	-	-	-	-	-	-	-	-	58