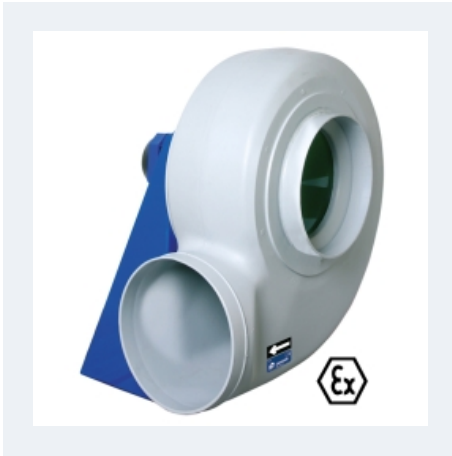


## MBPX



PLASTIC ATEX FAN WITH BACKWARD IMPELLER

### MANUFACTURING FEATURES

- Antistatic PE-el antistatic housing.
- Backward curved impeller in PP plastic.
- Motor support made of rolled steel sheet with polyester powder finishing coat.
- Stainless steel nuts and bolts.
- Standard asynchronous squirrel-cage motor, IP-55, class F insulation. Standard voltages 230/400V 50Hz. Equipped with ATEX motor.
- Standard orientation: LG270.

### APPLICATIONS

Designed for inline installation, they are suitable for:

- Corrosive air transport.
- Chemical and petrochemical industry.
- Laboratories and gas cabinets.
- General ventilation in closed environments classified as ATEX zone 2.
- Temperatura máxima del aire transportado: si es aire limpio a 70°C, otros dependerá del gas (consulte la tabla en la documentación)

### UNDER REQUEST

- 60Hz fans and special voltages fans.
- Stainless steel motor support.
- Orientation: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180. LG225, LG315.

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

## Accessories



## Technical data

### Three-phase motor / 2 poles

Code	Model	R.P.M.	Rated I. A 400V	Rated power kW	Max. Airflow m <sup>3</sup> /h	Sound db (A)**	Weight kg	Connect. diagram
502202013XD	MBPX 20 T2 0,18kW	2825	0,62	0,18	1.110	53	17	1
502202515XD	MBPX 25 T2 0,37kW	2850	1,00	0,37	2.110	60	24	1
502202817XD	MBPX 28 T2 0,75kW	2870	2,00	0,75	3.140	63	33	1
502203119XD	MBPX 31 T2 1,5kW	2850	3,95	1,50	4.360	66	45	1
502203527XD	MBPX 35 T2 2,2kW	2840	5,4	2,20	6.630	68	51	1

### Three-phase motor / 4 poles

Code	Model	R.P.M.	Rated I. A 400V	Rated power kW	Max. Airflow m <sup>3</sup> /h	Sound db (A)**	Weight kg	Connect. diagram
502202039XD	MBPX 20 T4 0,12kW	1420	0,71	0,12	580	37	17	1
502202539XD	MBPX 25 T4 0,12kW	1420	0,71	0,12	1.100	44	18	1
502202840XD	MBPX 28 T4 0,18kW	1380	0,76	0,18	1.570	48	23	1
502203141XD	MBPX 31 T4 0,25kW	1400	0,84	0,25	2.170	51	30	1
502203542XD	MBPX 35 T4 0,37kW	1410	1,2	0,37	3.310	52	34	1
502204043XD	MBPX 40 T4 0,55kW	1430	1,75	0,55	4.510	56	47	1
502204545XD	MBPX 45 T4 1,1kW	1420	3,3	1,10	6.410	56	61	1

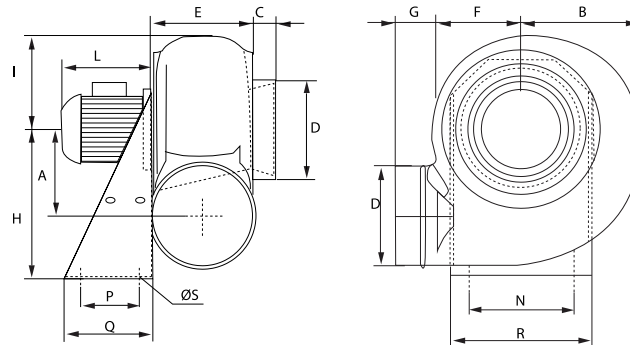
### Three-phase motor / 6 poles

Code	Model	R.P.M.	Rated I. A 400V	Rated power kW	Max. Airflow m <sup>3</sup> /h	Sound db (A)**	Weight kg	Connect. diagram
502203168XD	MBPX 31 T6 0,18kW	900	0,61	0,18	1.410	40	30	1
502203568XD	MBPX 35 T6 0,18kW	900	0,61	0,18	2.140	41	34	1
502204069XD	MBPX 40 T6 0,25kW	910	1,00	0,25	2.920	47	41	1
502204570XD	MBPX 45 T6 0,37kW	940	1,4	0,37	3.930	47	51	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	DØ	E	F	G	H	I
MBPX 20 T2 0,18kW	140	180	35	160	160	138	55	250	150
MBPX 20 T4 0,12kW	140	180	35	160	160	138	55	250	150
MBPX 25 T2 0,37kW	173	228	35	200	185	170	55	310	190
MBPX 25 T4 0,12kW	173	228	35	200	185	170	55	310	190
MBPX 28 T2 0,75kW	208	255	40	225	195	190	70	350	210
MBPX 28 T4 0,18kW	208	255	40	225	195	190	70	350	210
MBPX 31 T2 1,5kW	240	280	40	250	200	210	70	410	230
MBPX 31 T4 0,25kW	240	280	40	250	200	210	70	410	230
MBPX 31 T6 0,18kW	240	280	40	250	200	210	70	410	230
MBPX 35 T2 2,2kW	260	312	40	280	237	230	50	445	270
MBPX 35 T4 0,37kW	260	312	40	280	237	230	50	445	270
MBPX 35 T6 0,18kW	260	312	40	280	237	230	50	445	270
MBPX 40 T4 0,55kW	290	356	40	315	252	264	55	495	295
MBPX 40 T6 0,25kW	290	356	40	315	252	264	55	495	295
MBPX 45 T4 1,1kW	324	400	40	355	287	395	55	550	330
MBPX 45 T6 0,37kW	324	400	40	355	287	295	55	550	330

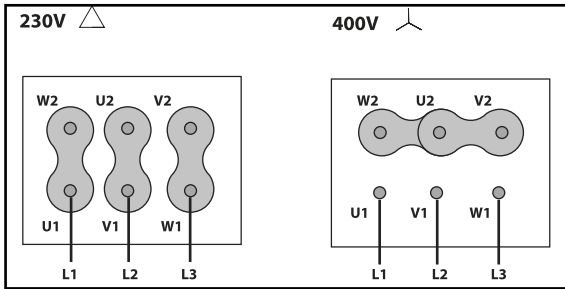
Model	L	N	P	Q	R	S
MBPX 20 T2 0,18kW	195	200	100	140	235	11
MBPX 20 T4 0,12kW	190	200	100	140	235	11
MBPX 25 T2 0,37kW	220	255	100	140	290	11
MBPX 25 T4 0,12kW	190	255	100	140	290	11
MBPX 28 T2 0,75kW	240	280	120	190	316	11
MBPX 28 T4 0,18kW	190	280	120	190	316	11
MBPX 31 T2 1,5kW	290	320	150	230	355	11

Model	L	N	P	Q	R	S
MBPX 31 T4 0,25kW	220	320	150	230	355	11
MBPX 31 T6 0,18kW	210	320	150	230	355	11
MBPX 35 T2 2,2kW	290	355	150	230	390	11
MBPX 35 T4 0,37kW	220	355	150	230	390	11
MBPX 35 T6 0,18kW	210	355	150	230	390	11
MBPX 40 T4 0,55kW	240	325	170	250	365	11
MBPX 40 T6 0,25kW	220	325	170	250	365	11
MBPX 45 T4 1,1kW	290	370	170	250	410	11
MBPX 45 T6 0,37kW	240	370	170	250	410	11

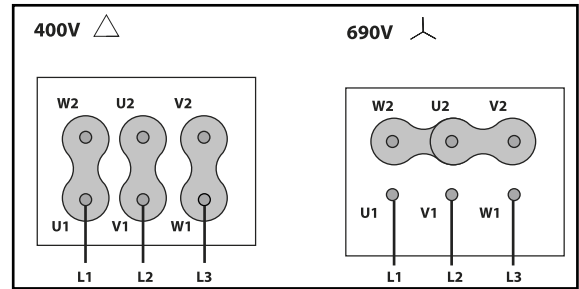
# Wiring diagram

## Wiring diagram N° 1

230/400V



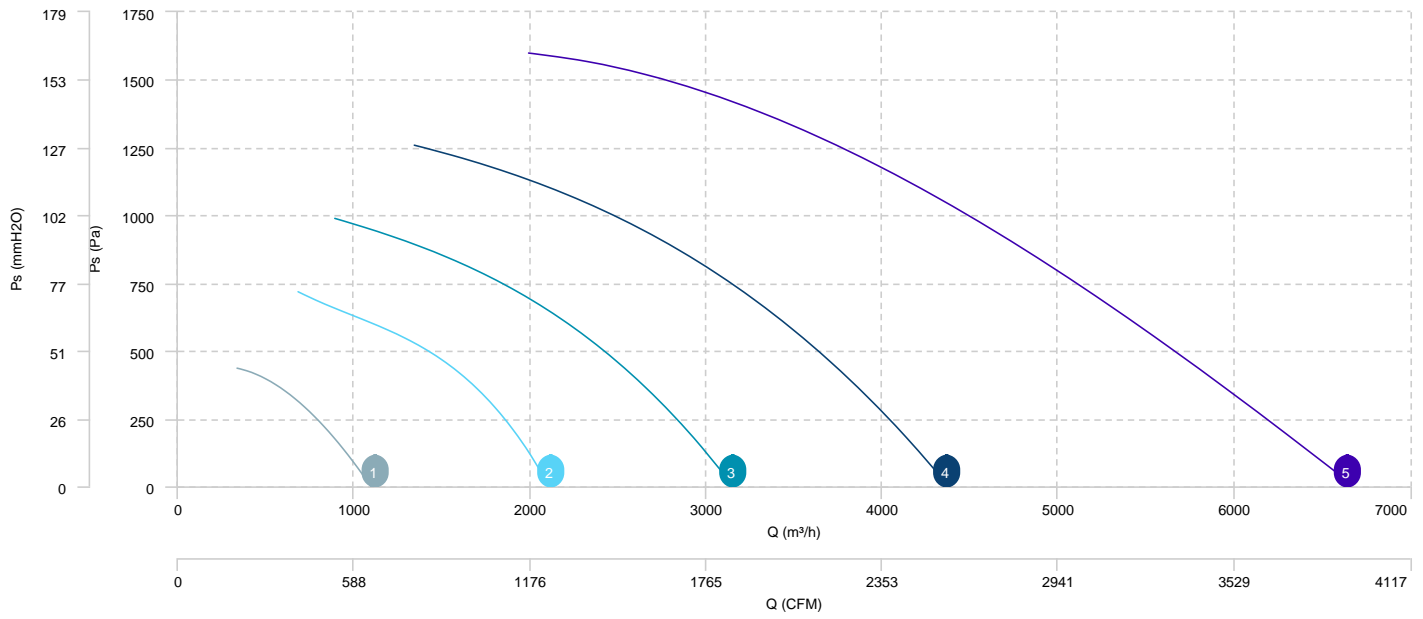
400/690V



# CHARACTERISTIC CURVE

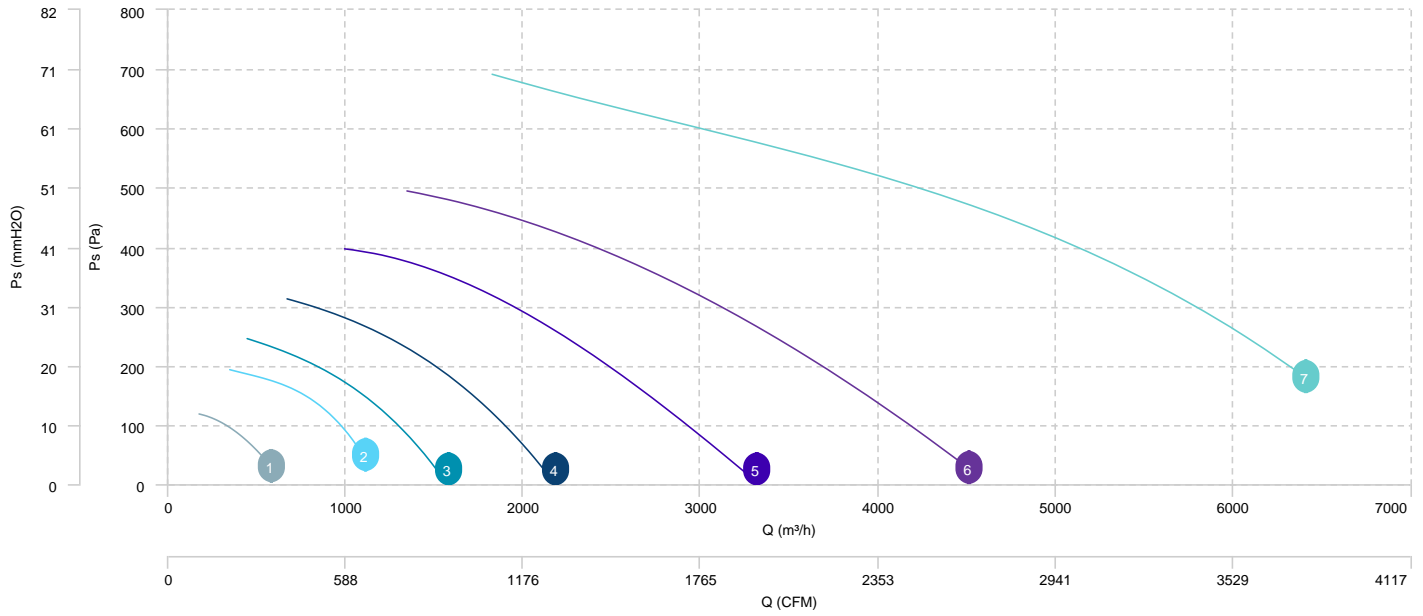
- 1 MBPX 20 T2 0,18kW
- 2 MBPX 25 T2 0,37kW
- 3 MBPX 28 T2 0,75kW
- 4 MBPX 31 T2 1,5kW
- 5 MBPX 35 T2 2,2kW

## AIR FLOW - PRESSURE



1	MBPX 20 T4 0,12kW	2	MBPX 25 T4 0,12kW	3	MBPX 28 T4 0,18kW	4	MBPX 31 T4 0,25kW
5	MBPX 35 T4 0,37kW	6	MBPX 40 T4 0,55kW	7	MBPX 45 T4 1,1kW		

AIR FLOW - PRESSURE



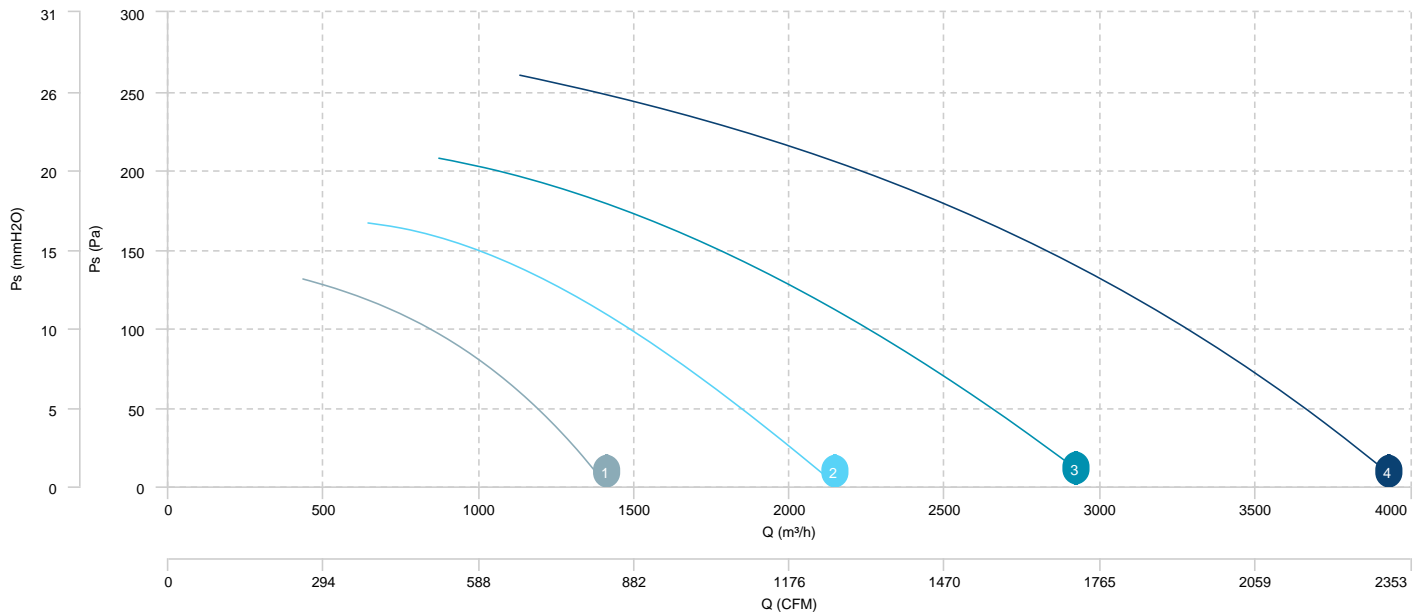
1 MBPX 31 T6 0,18kW

2 MBPX 35 T6 0,18kW

3 MBPX 40 T6 0,25kW

4 MBPX 45 T6 0,37kW

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
MBPX 20 T2 0,18kW	Inlet	51	63	68	75	74	70	62	52	79
MBPX 25 T2 0,37kW	Inlet	57	70	75	81	81	77	69	59	86
MBPX 28 T2 0,75kW	Inlet	61	73	79	85	84	81	72	62	89
MBPX 31 T2 1,5kW	Inlet	64	76	82	88	87	83	75	65	92
MBPX 35 T2 2,2kW	Inlet	65	78	83	89	89	85	77	67	94

### 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
MBPX 20 T4 0,12kW	Inlet	36	48	56	57	59	55	47	37	63
MBPX 25 T4 0,12kW	Inlet	43	55	63	64	66	62	54	44	70
MBPX 28 T4 0,18kW	Inlet	46	58	67	67	69	66	57	47	74
MBPX 31 T4 0,25kW	Inlet	49	61	70	70	72	68	60	50	77
MBPX 35 T4 0,37kW	Inlet	50	63	71	71	74	70	62	52	78
MBPX 40 T4 0,55kW	Inlet	55	67	75	76	78	74	66	56	82
MBPX 45 T4 1,1kW	Inlet	55	67	75	76	78	74	66	56	82

### Sound / 6 poles

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
MBPX 31 T6 0,18kW	Inlet	38	54	56	59	62	58	50	40	66
MBPX 35 T6 0,18kW	Inlet	40	55	58	61	63	59	51	41	67
MBPX 40 T6 0,25kW	Inlet	45	60	63	66	69	65	57	46	73
MBPX 45 T6 0,37kW	Inlet	46	61	63	67	69	65	57	47	73