

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.

- 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

Accessories



AD

AV

AVR

AVS



BA-400

CSC

DG

FJ



**INT
ATEX**

JE 45

PC

PCM



PD

RPI

SFC

WS

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.

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

Technical data

Three-phase motor / 2 poles

Code	Model	R.P.M.	Rated I. A 400V	Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
502202013XD	MBPX 20 T2 0,18kW	2825	0,62	0,18	1.110	64	17	1
502202214XD	MBPX 22 T2 0,25kW	2710	0,71	0,25	1.520	68	24	1
502202515XD	MBPX 25 T2 0,37kW	2850	1,00	0,37	2.110	71	24	1
502202817XD	MBPX 28 T2 0,75kW	2870	2,00	0,75	3.140	76	33	1
502203119XD	MBPX 31 T2 1,5kW	2850	3,95	1,50	4.360	76	45	1
502203527XD	MBPX 35 T2 2,2kW	2840	5,4	2,20	6.630	80	51	1
502204534XD	MBPX 45 T2 5,5kW	2910	9,2	4,00	11.770	76	72	1

Three-phase motor / 4 poles

Code	Model	R.P.M.	Rated I. A 400V	Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
502202039XD	MBPX 20 T4 0,12kW	1420	0,71	0,12	580	50	17	1
502202239XD	MBPX 22 T4 0,12kW	1400	0,79	0,25	770	53	18	1
502202539XD	MBPX 25 T4 0,12kW	1420	0,71	0,12	1.100	57	18	1
502202840XD	MBPX 28 T4 0,18kW	1380	0,76	0,18	1.570	59	23	1
502203141XD	MBPX 31 T4 0,25kW	1400	0,84	0,25	2.170	59	30	1
502203542XD	MBPX 35 T4 0,37kW	1410	1,2	0,37	3.310	64	34	1
502204043XD	MBPX 40 T4 0,55kW	1430	1,75	0,55	4.510	68	47	1
502204545XD	MBPX 45 T4 1,1kW	1420	3,3	1,10	6.410	68	61	1

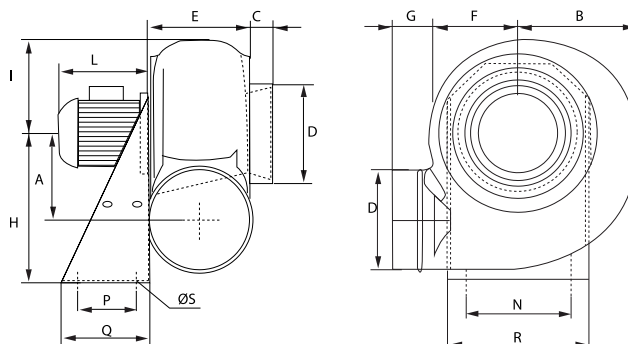
Three-phase motor / 6 poles

Code	Model	R.P.M.	Rated I. A 400V	Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
502203168XD	MBPX 31 T6 0,18kW	900	0,61	0,18	1.410	50	30	1
502203568XD	MBPX 35 T6 0,18kW	900	0,61	0,18	2.140	54	34	1
502204069XD	MBPX 40 T6 0,25kW	910	1,00	0,25	2.920	58	41	1
502204570XD	MBPX 45 T6 0,37kW	940	1,4	0,37	3.930	54	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	D	DØ	E	F	G	H
MBPX 20 T2 0,18kW	140	180	35	-	160	160	138	55	250
MBPX 20 T4 0,12kW	140	180	35	-	160	160	138	55	250
MBPX 22 T2 0,25kW	173	228	35	-	200	185	170	55	310
MBPX 22 T4 0,12kW	173	228	35	-	200	185	170	55	310
MBPX 25 T2 0,37kW	173	228	35	-	200	185	170	55	310
MBPX 25 T4 0,12kW	173	228	35	-	200	185	170	55	310
MBPX 28 T2 0,75kW	208	255	40	-	225	195	190	70	350
MBPX 28 T4 0,18kW	208	255	40	-	225	195	190	70	350
MBPX 31 T2 1,5kW	240	280	40	-	250	200	210	70	410
MBPX 31 T4 0,25kW	240	280	40	-	250	200	210	70	410
MBPX 31 T6 0,18kW	240	280	40	-	250	200	210	70	410
MBPX 35 T2 2,2kW	260	312	40	-	280	237	230	50	445
MBPX 35 T4 0,37kW	260	312	40	-	280	237	230	50	445
MBPX 35 T6 0,18kW	260	312	40	-	280	237	230	50	445
MBPX 40 T4 0,55kW	290	356	40	-	315	252	264	55	495
MBPX 40 T6 0,25kW	290	356	40	-	315	252	264	55	495
MBPX 45 T2 5,5kW	324	400	40	355	-	287	295	55	550
MBPX 45 T4 1,1kW	324	400	40	-	355	287	395	55	550
MBPX 45 T6 0,37kW	324	400	40	-	355	287	295	55	550

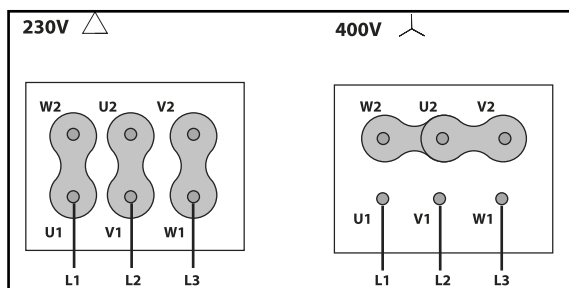
Model	I	L	N	P	Q	R	S	ØS
MBPX 20 T2 0,18kW	150	195	200	100	140	235	11	-
MBPX 20 T4 0,12kW	150	190	200	100	140	235	11	-
MBPX 22 T2 0,25kW	190	210	255	100	140	290	11	-
MBPX 22 T4 0,12kW	190	190	225	100	140	290	11	-

Model	I	L	N	P	Q	R	S	ØS
MBPX 25 T2 0,37kW	190	220	255	100	140	290	11	-
MBPX 25 T4 0,12kW	190	190	255	100	140	290	11	-
MBPX 28 T2 0,75kW	210	240	280	120	190	316	11	-
MBPX 28 T4 0,18kW	210	190	280	120	190	316	11	-
MBPX 31 T2 1,5kW	230	290	320	150	230	355	11	-
MBPX 31 T4 0,25kW	230	220	320	150	230	355	11	-
MBPX 31 T6 0,18kW	230	210	320	150	230	355	11	-
MBPX 35 T2 2,2kW	270	290	355	150	230	390	11	-
MBPX 35 T4 0,37kW	270	220	355	150	230	390	11	-
MBPX 35 T6 0,18kW	270	210	355	150	230	390	11	-
MBPX 40 T4 0,55kW	295	240	325	170	250	365	11	-
MBPX 40 T6 0,25kW	295	220	325	170	250	365	11	-
MBPX 45 T2 5,5kW	330	415	370	270	340	410	-	11
MBPX 45 T4 1,1kW	330	290	370	170	250	410	11	-
MBPX 45 T6 0,37kW	330	240	370	170	250	410	11	-

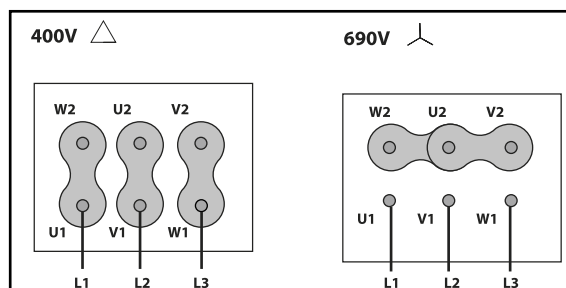
Wiring diagram

Wiring diagram N° 1

230/400V



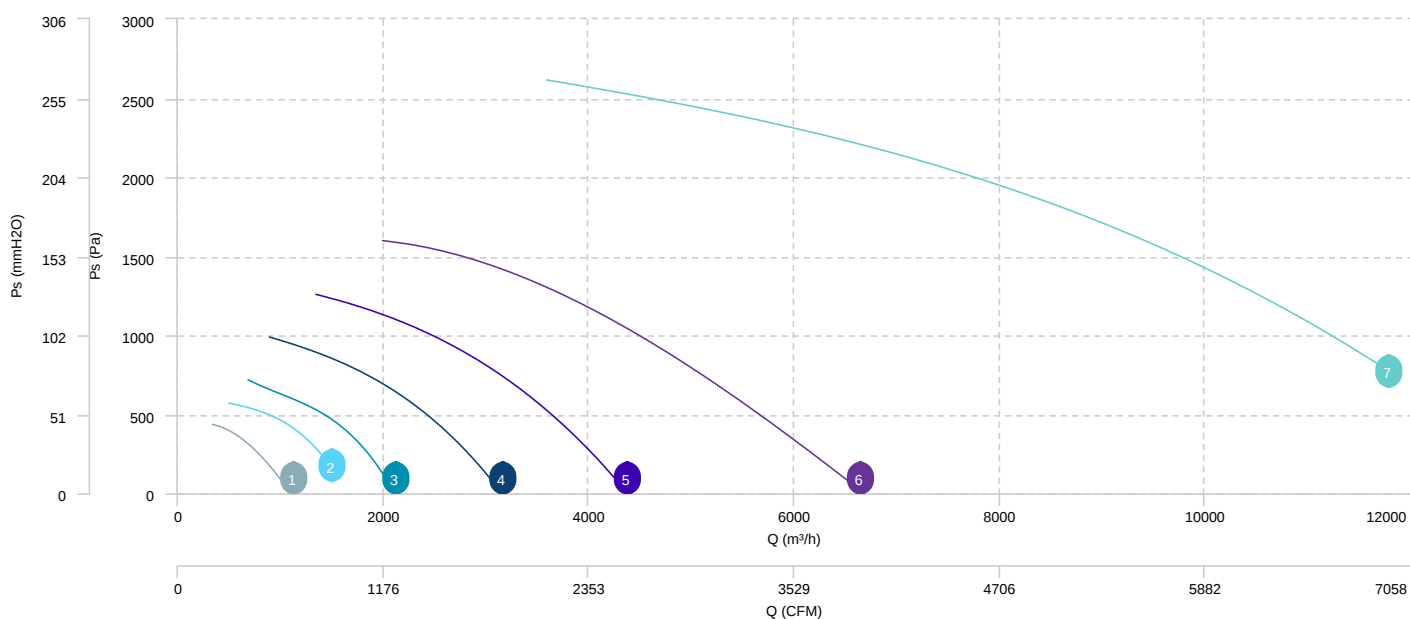
400/690V



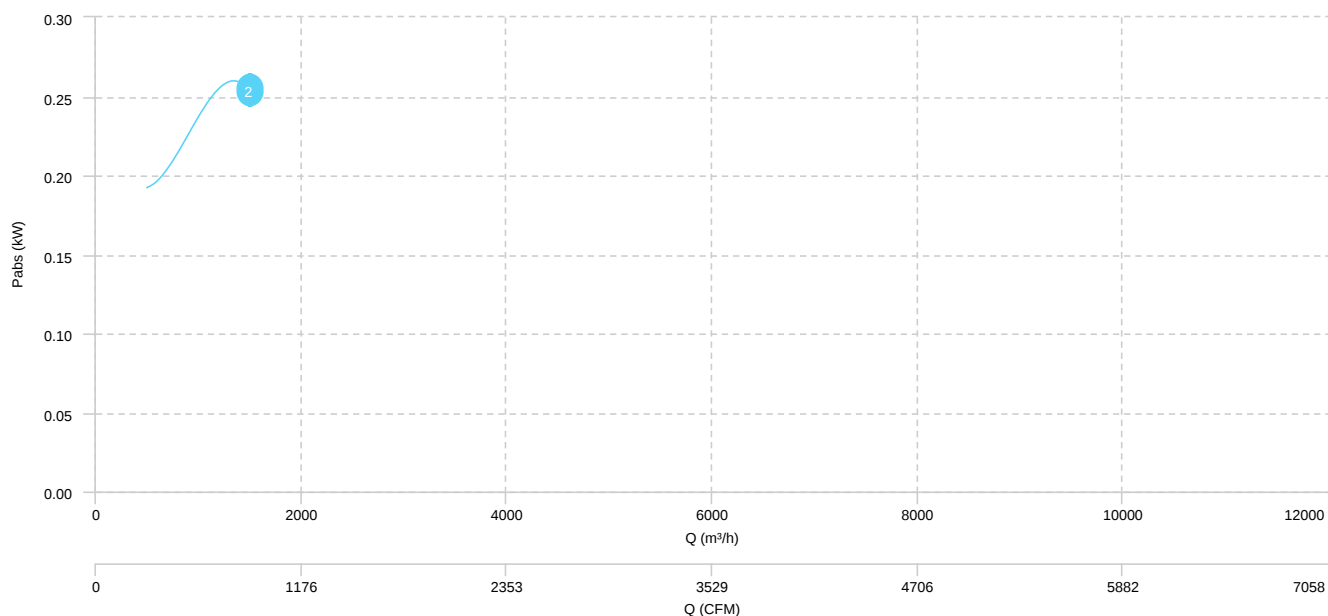
CHARACTERISTIC CURVE

1 MBPX 20 T2 0,18kW	2 MBPX 22 T2 0,25kW	3 MBPX 25 T2 0,37kW	4 MBPX 28 T2 0,75kW
5 MBPX 31 T2 1,5kW	6 MBPX 35 T2 2,2kW	7 MBPX 45 T2 5,5kW	

AIR FLOW - PRESSURE

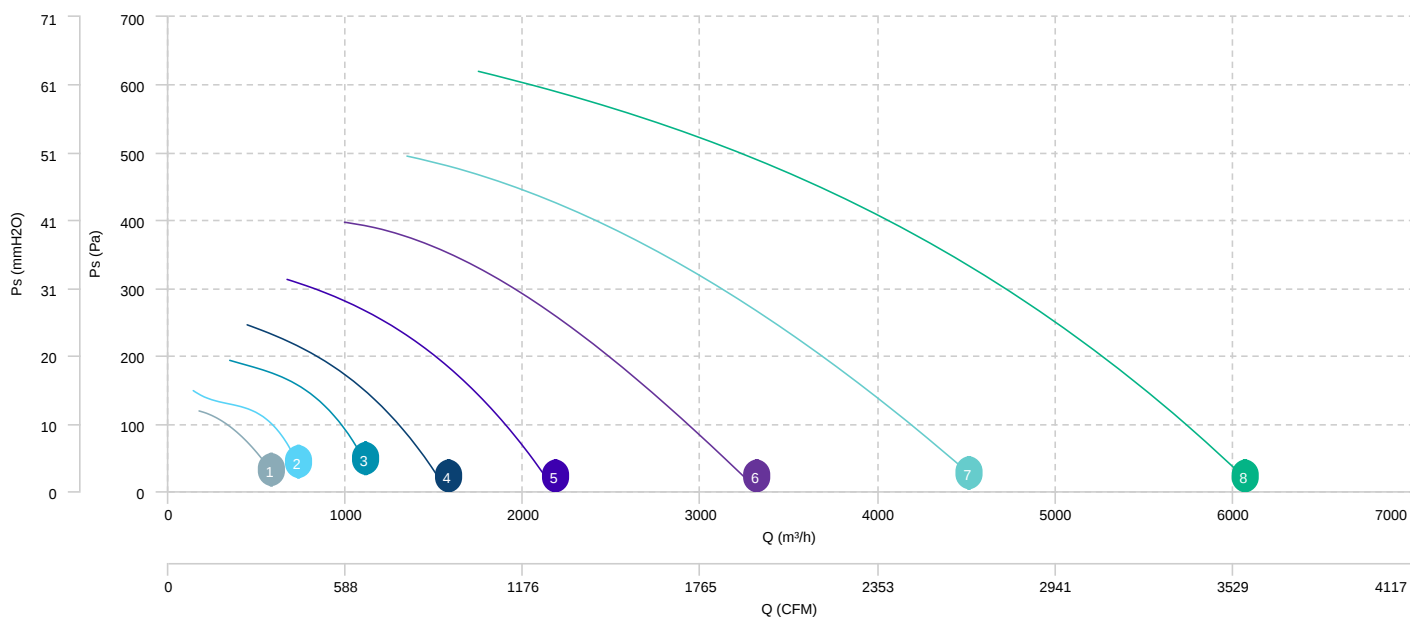


AIR FLOW - ABSORBED POWER

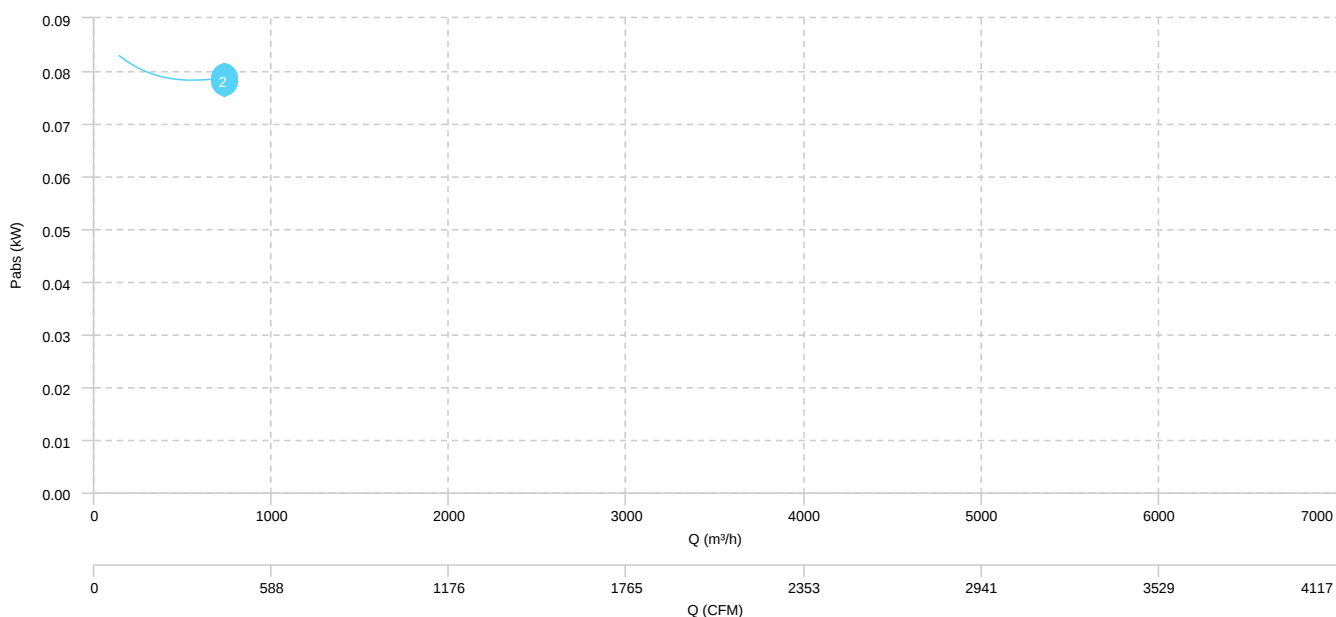


1	MBPX 20 T4 0,12kW	2	MBPX 22 T4 0,12kW	3	MBPX 25 T4 0,12kW	4	MBPX 28 T4 0,18kW
5	MBPX 31 T4 0,25kW	6	MBPX 35 T4 0,37kW	7	MBPX 40 T4 0,55kW	8	MBPX 45 T4 1,1kW

AIR FLOW - PRESSURE



AIR FLOW - ABSORBED POWER



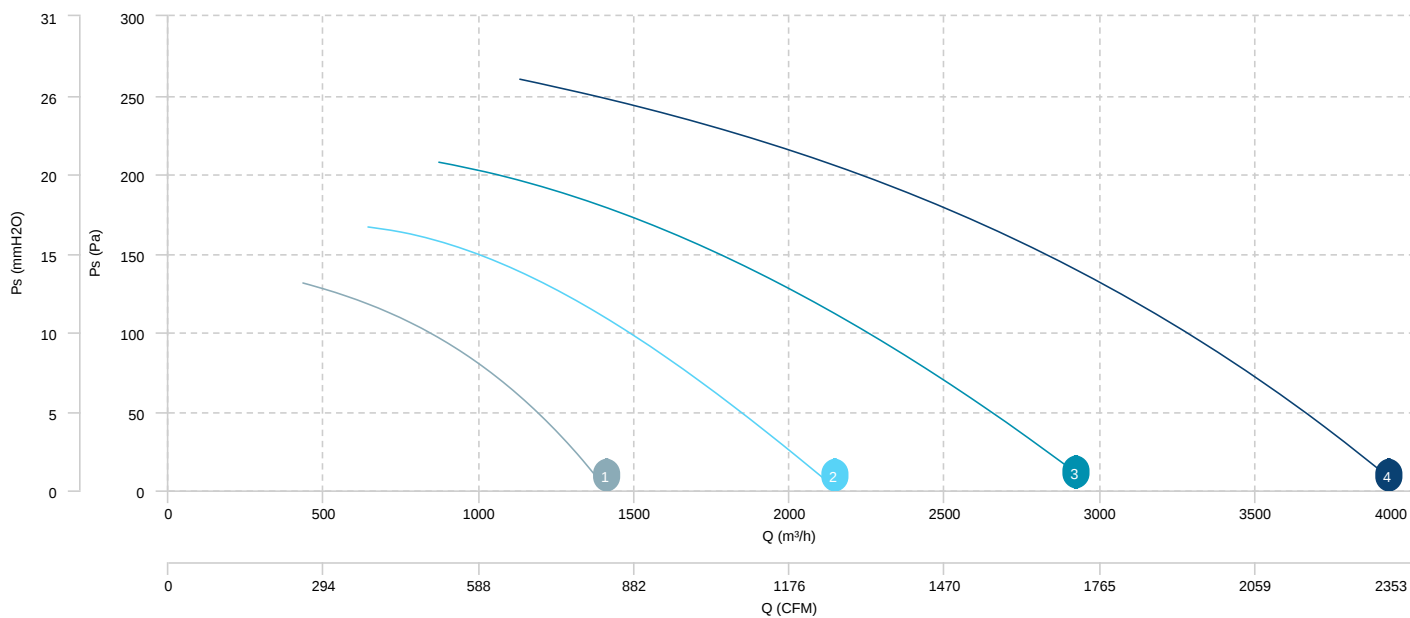
1 MBPX 31 T6 0,18kW

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	62	74	80	85	85	81	73	63	90
MBPX 22 T2 0,25kW	Inlet	66	78	84	90	89	85	77	67	94
MBPX 25 T2 0,37kW	Inlet	69	81	87	93	92	88	80	70	97
MBPX 28 T2 0,75kW	Inlet	73	85	91	97	96	93	84	74	102
MBPX 31 T2 1,5kW	Inlet	73	85	91	97	96	93	84	74	102
MBPX 35 T2 2,2kW	Inlet	78	90	95	102	101	97	89	79	106
MBPX 45 T2 5,5kW	Inlet	74	86	95	95	97	94	85	75	102

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	48	60	68	69	71	67	59	49	76
MBPX 22 T4 0,12kW	Inlet	51	63	72	72	74	71	62	52	79
MBPX 25 T4 0,12kW	Inlet	55	67	75	76	78	74	66	56	83
MBPX 28 T4 0,18kW	Inlet	57	70	77	78	80	76	68	58	85
MBPX 31 T4 0,25kW	Inlet	57	70	77	78	81	77	69	58	85
MBPX 35 T4 0,37kW	Inlet	62	74	82	83	85	81	73	63	90
MBPX 40 T4 0,55kW	Inlet	66	78	86	87	89	86	77	67	94
MBPX 45 T4 1,1kW	Inlet	66	78	86	87	89	85	77	67	94

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	48	37	66	69	72	68	60	50	76
MBPX 35 T6 0,18kW	Inlet	53	68	70	74	76	72	64	54	80
MBPX 40 T6 0,25kW	Inlet	57	72	74	78	80	76	68	58	84
MBPX 45 T6 0,37kW	Inlet	53	68	70	74	76	72	64	54	80