



SQUARE WALL PLATE FAN, VARIABLE PITCH BLADES AND HIGH EFFICIENCY MOTOR

**MANUFACTURING FEATURES**

- Squared frame in galvanized steel sheet with C4 anti-corrosion finish.
- Variable pitch angle polyamide impeller reinforced with fibreglass.
- Supplied with motor support and protection guard according to the UNE-EN 20-359-74 norm and the ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- High efficiency standard asynchronous squirrel-cage motor with IP-55 or IP-54 protection (wiring box IP-65) and Class F insulation. Manufactured with standard voltages: 230V 50Hz for single phase motors, 230/400V 50Hz for three phase motors.

**APPLICATIONS**

Designed for wall assembly, they are suitable for:

- Air renewal in buildings and industries.
- Maximum working temperature: single phase 50°C, three phase 60°C.

**Accessories**



**INT**



**PC2**



**PCP**



**RP0**



**SFC**

**UNDER REQUEST**

- Aluminium impeller.
- 60Hz fans.

## Technical data

### Single-phase motor / 2 poles

Code	Model	R.P.M.	Rated I. A 230V	Rated power kW	Max. Airflow m <sup>3</sup> /h	Sound db (A)**	Weight kg	Connect. diagram
268253103	WM P4Z 25 M2 0,18kW	2790	1,36	0,18	1.980	53	4,50	1
268303103	WM P4Z 30 M2 0,55kW	2800	3,71	0,55	3.920	56	6,50	1
268353103	WM P4Z 35 M2 1,1kW	2800	6,71	1,10	5.770	57	7,50	1

### Single-phase motor / 4 poles

Code	Model	R.P.M.	Rated I. A 230V	Rated power kW	Max. Airflow m <sup>3</sup> /h	Sound db (A)**	Weight kg	Connect. diagram
268263103	WM P4Z 25 M4 0,06kW	1400	0,58	0,06	1.290	39	4	1
268313103	WM P4Z 30 M4 0,08kW	1370	0,9	0,08	2.210	42	5	1
268363103	WM P4Z 35 M4 0,12kW	1380	0,93	0,12	2.850	42	6,50	1
268403103	WM P4Z 40 M4 0,25kW	1410	1,6	0,25	4.700	48	9	1
268453103	WM P4Z 45 M4 0,37kW	1400	2,82	0,37	6.380	49	13	1
268503103	WM P4Z 50 M4 0,55kW	1400	3,98	0,55	8.060	50	18	1
268563103	WM P4Z 56 M4 0,75kW	1400	5,21	0,75	12.010	55	20	1

### Single-phase motor / 6 poles

Code	Model	R.P.M.	Rated I. A 230V	Rated power kW	Max. Airflow m <sup>3</sup> /h	Sound db (A)**	Weight kg	Connect. diagram
268413103	WM P4Z 40 M6 0,04kW	920	0,6	0,04	2.770	36	9	2
268463103	WM P4Z 45 M6 0,13kW	920	1,3	0,13	4.720	41	13	2
268513103	WM P4Z 50 M6 0,13kW	920	1,3	0,13	6.050	43	18	2
268573103	WM P4Z 56 M6 0,21kW	945	2,00	0,21	7.810	45	20	2

### Three-phase motor / 2 poles

Code	Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m <sup>3</sup> /h	Sound db (A)**	Weight kg	Connect. diagram
			230V	400V					
268253106	WM P4Z 25 T2 0,37kW	2800	1,58	0,91	0,37	1.980	53	4,50	3
268303106	WM P4Z 30 T2 0,75kW	2800	2,75	1,58	0,75	4.480	57	6,50	3
268353106	WM P4Z 35 T2 1,1kW	2800	4,05	2,33	1,10	5.770	57	7,50	3

### Three-phase motor / 4 poles

Code	Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m <sup>3</sup> /h	Sound db (A)**	Weight kg	Connect. diagram
			230V	400V					
268263106	WM P4Z 25 T4 0,12kW	1400	0,8	0,46	0,12	1.290	39	4	3
268313106	WM P4Z 30 T4 0,12kW	1400	0,8	0,46	0,12	2.210	42	5	3
268363106	WM P4Z 35 T4 0,25kW	1400	1,38	0,79	0,25	2.850	42	6,50	3
268403106	WM P4Z 40 T4 0,25kW	1400	1,38	0,79	0,25	4.700	48	9	3
268453106	WM P4Z 45 T4 0,55kW	1440	2,57	1,49	0,55	7.270	50	13	3
268503106	WM P4Z 50 T4 0,55kW	1440	2,57	1,49	0,55	9.330	52	18	3
268563106	WM P4Z 56 T4 0,75kW	1410	2,83	1,63	0,75	12.010	55	20	3
268633106	WM P4Z 63 T4 1,1 kW	1385	5,40	3,10	1,1	16.840	73	25	3

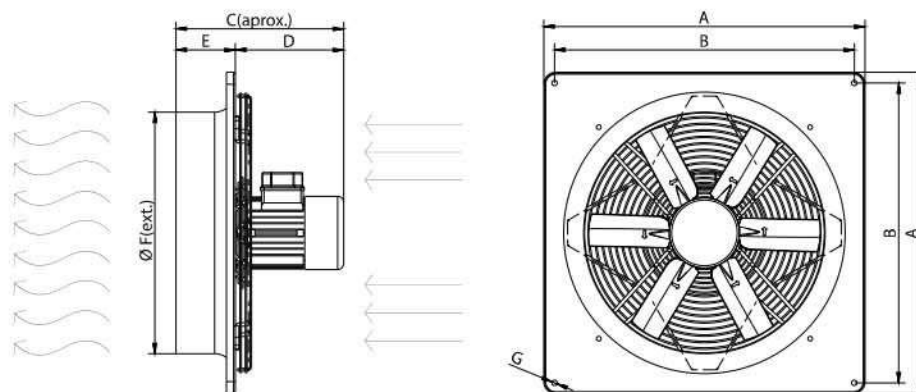
### Three-phase motor / 6 poles

Code	Model	R.P.M.	Rated I. A		Rated power kW	Max. Airflow m <sup>3</sup> /h	Sound db (A)**	Weight kg	Connect. diagram
			230V	400V					
268413106	WM P4Z 40 T6 0,12kW	850	1,08	0,62	0,12	2.770	36	9	3
268463106	WM P4Z 45 T6 0,13kW	920	0,69	0,40	0,13	4.720	41	13	3
268513106	WM P4Z 50 T6 0,13kW	920	0,69	0,40	0,13	6.050	43	18	3
268573106	WM P4Z 56 T6 0,21kW	945	1,02	0,59	0,21	7.810	45	20	3

**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

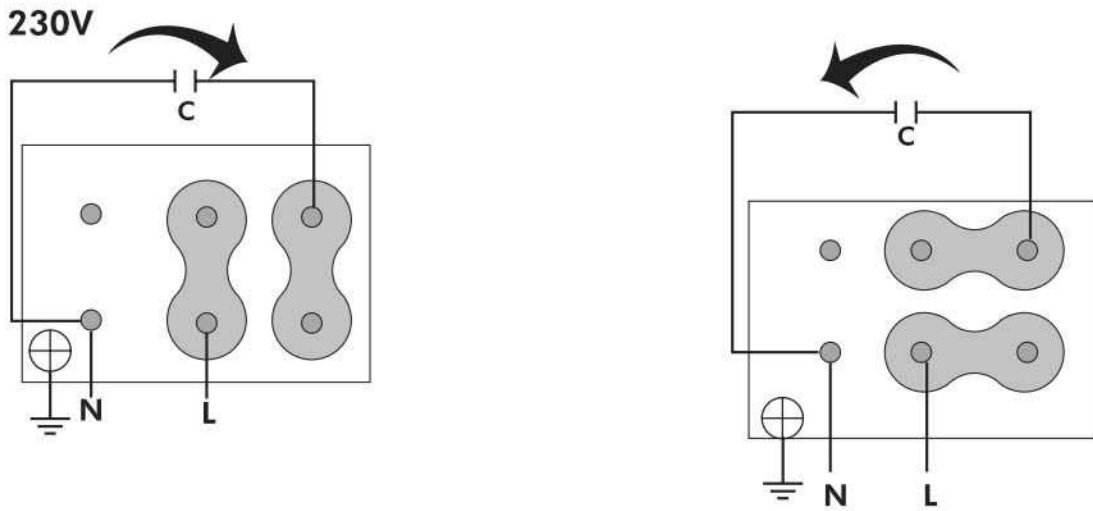


Model	A	B	C	D	E	ØF	ØG
WM P4Z 25 M2 0,18kW	370	320	270,8	192,8	78	253	7
WM P4Z 25 M4 0,06kW	370	320	251,5	173,5	78	253	7
WM P4Z 25 T2 0,37kW	370	320	298,5	220,5	78	253	7
WM P4Z 25 T4 0,12kW	370	320	270,8	192,8	78	253	7
WM P4Z 30 M2 0,55kW	404	337	298,5	220,5	82	308	9
WM P4Z 30 M4 0,08kW	404	337	255,5	173,5	82	308	9
WM P4Z 30 T2 0,75kW	404	337	318,5	236,5	82	308	9
WM P4Z 30 T4 0,12kW	404	337	274,5	192,8	82	308	9
WM P4Z 35 M2 1,1kW	460	392	313,5	227,5	86	366	9
WM P4Z 35 M4 0,12kW	460	392	269,8	183,8	86	366	9
WM P4Z 35 T2 1,1kW	460	392	313,5	227,5	86	366	9
WM P4Z 35 T4 0,25kW	460	392	297,5	211,5	86	366	9
WM P4Z 40 M4 0,25kW	540	504	312	212	100	406	11
WM P4Z 40 M6 0,04kW	540	504	261,3	161,3	100	406	11
WM P4Z 40 T4 0,25kW	540	504	312	212	100	406	11
WM P4Z 40 T6 0,12kW	540	504	284,3	184,3	100	406	11
WM P4Z 45 M4 0,37kW	576	521,5	310	210	100	455	11
WM P4Z 45 M6 0,13kW	576	521,5	280	180	100	455	11
WM P4Z 45 T4 0,55kW	576	521,5	326	226	100	455	11

Model	A	B	C	D	E	ØF	ØG
WM P4Z 45 T6 0,13kW	576	521,5	280	180	100	455	11
WM P4Z 50 M4 0,55kW	655	599,4	339,5	219,5	120	508	11
WM P4Z 50 M6 0,13kW	655	599,4	293,5	173,5	120	508	11
WM P4Z 50 T4 0,55kW	655	599,4	339,5	219,5	120	508	11
WM P4Z 50 T6 0,13kW	655	599,4	293,5	173,5	120	508	11
WM P4Z 56 M4 0,75kW	725	650	339,5	219,5	120	560	11
WM P4Z 56 M6 0,21kW	725	650	293,5	173,5	120	563	11
WM P4Z 56 T4 0,75kW	725	650	339,5	219,5	120	560	11
WM P4Z 56 T6 0,21kW	725	650	293,5	173,5	120	560	11
WM P4Z 63 T4 1,1 kW	800	710	339,5	219,5	120	635	11

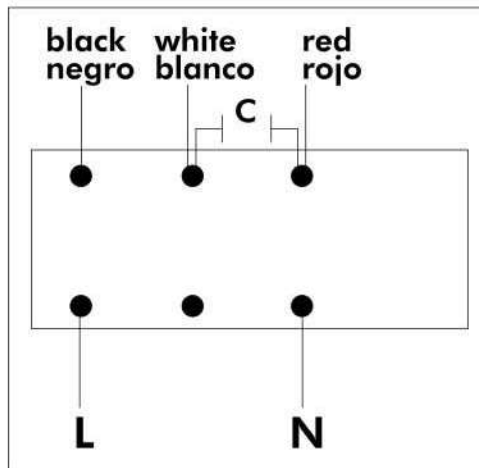
## Wiring diagram

Wiring diagram Nº 1



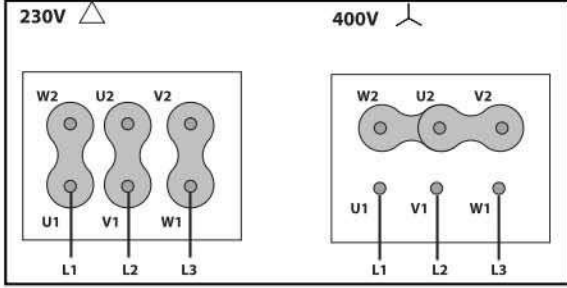
Wiring diagram Nº 2

### SINGLE PHASE MOTOR MOTOR MONOFÁSICO

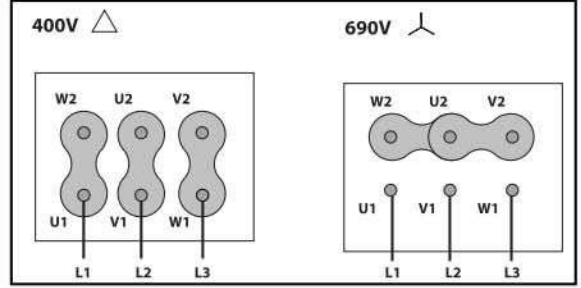


Wiring diagram N° 3

230/400V



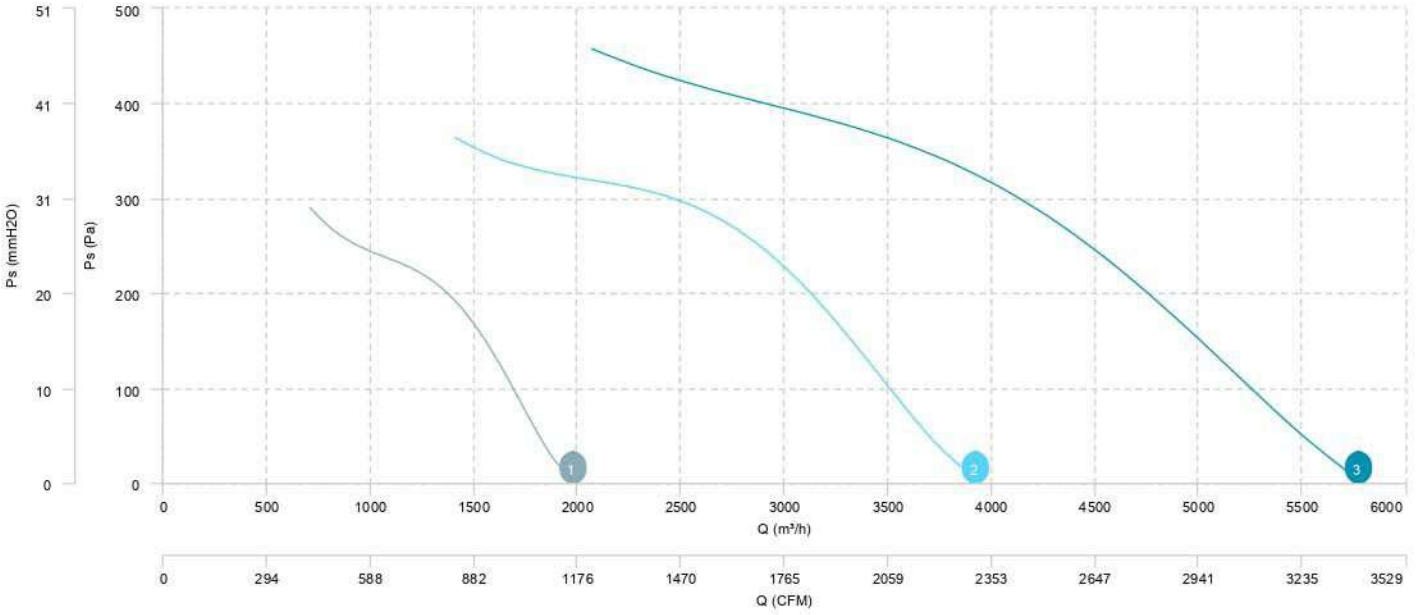
400/690V



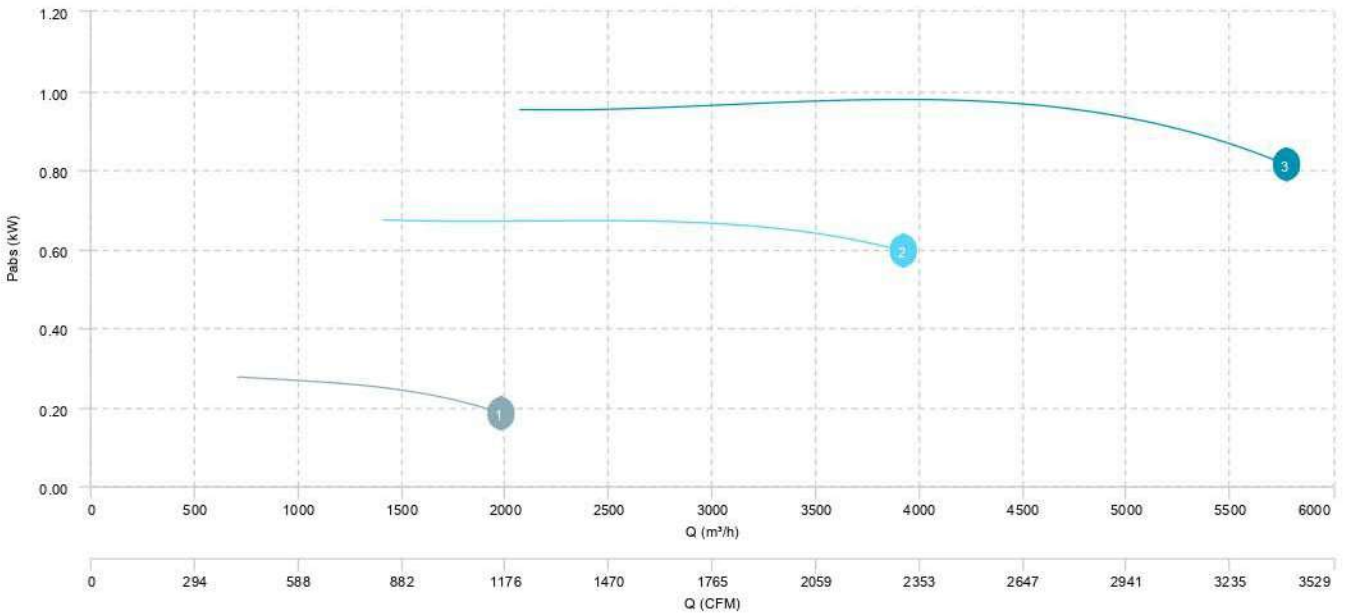
## CHARACTERISTIC CURVE

- 1 WM P4Z 25 M2 0,18kW
- 2 WM P4Z 30 M2 0,55kW
- 3 WM P4Z 35 M2 1,1kW

### AIR FLOW - PRESSURE

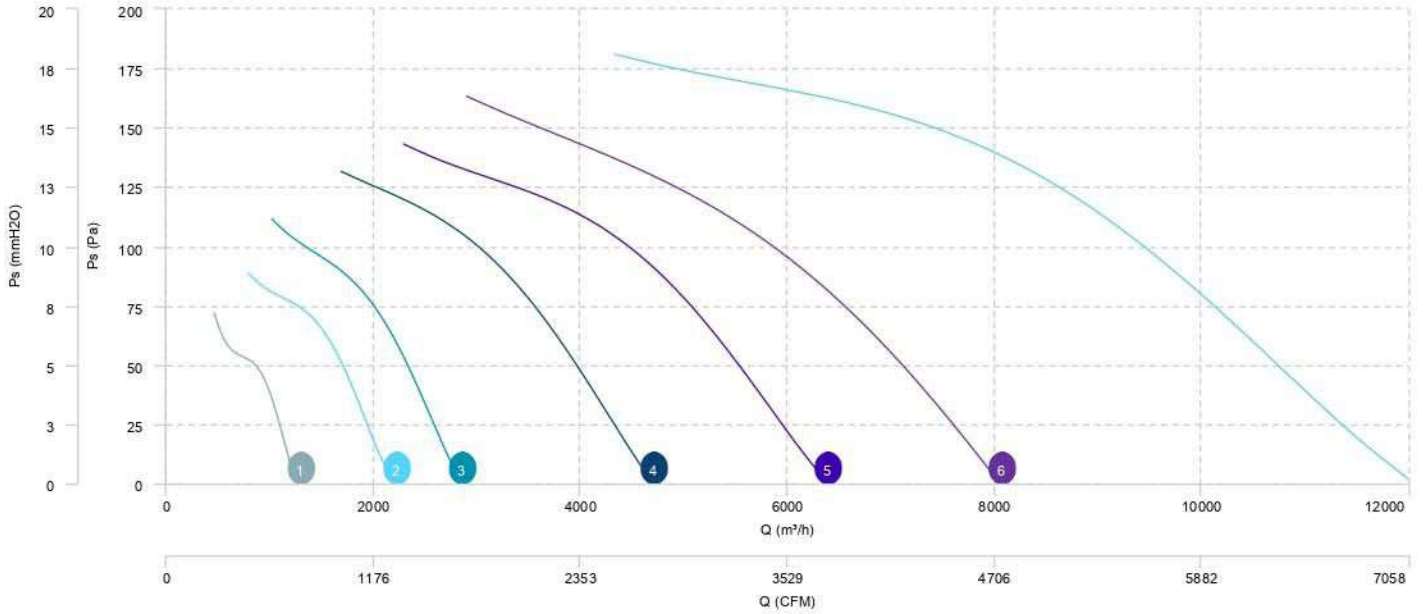


### AIR FLOW - ABSORBED POWER

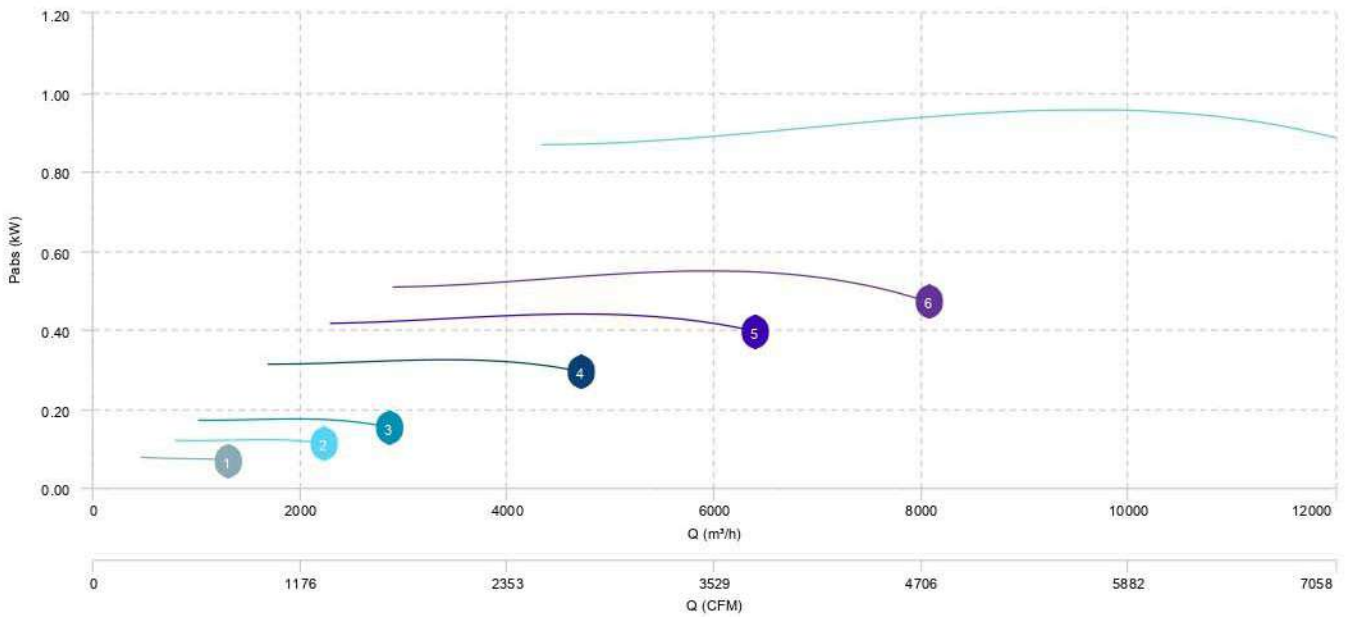


1	WM P4Z 25 M4 0,06kW	2	WM P4Z 30 M4 0,08kW	3	WM P4Z 35 M4 0,12kW	4	WM P4Z 40 M4 0,25kW
5	WM P4Z 45 M4 0,37kW	6	WM P4Z 50 M4 0,55kW	7	WM P4Z 56 M4 0,75kW		

**AIR FLOW - PRESSURE**

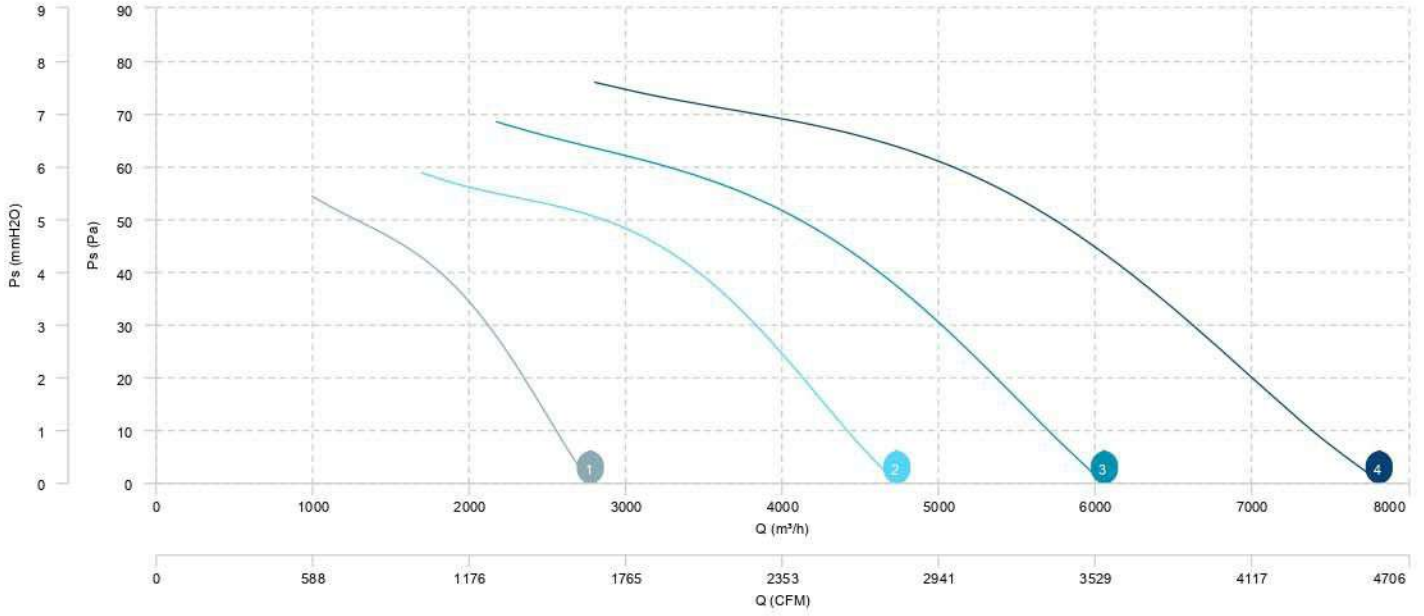


**AIR FLOW - ABSORBED POWER**

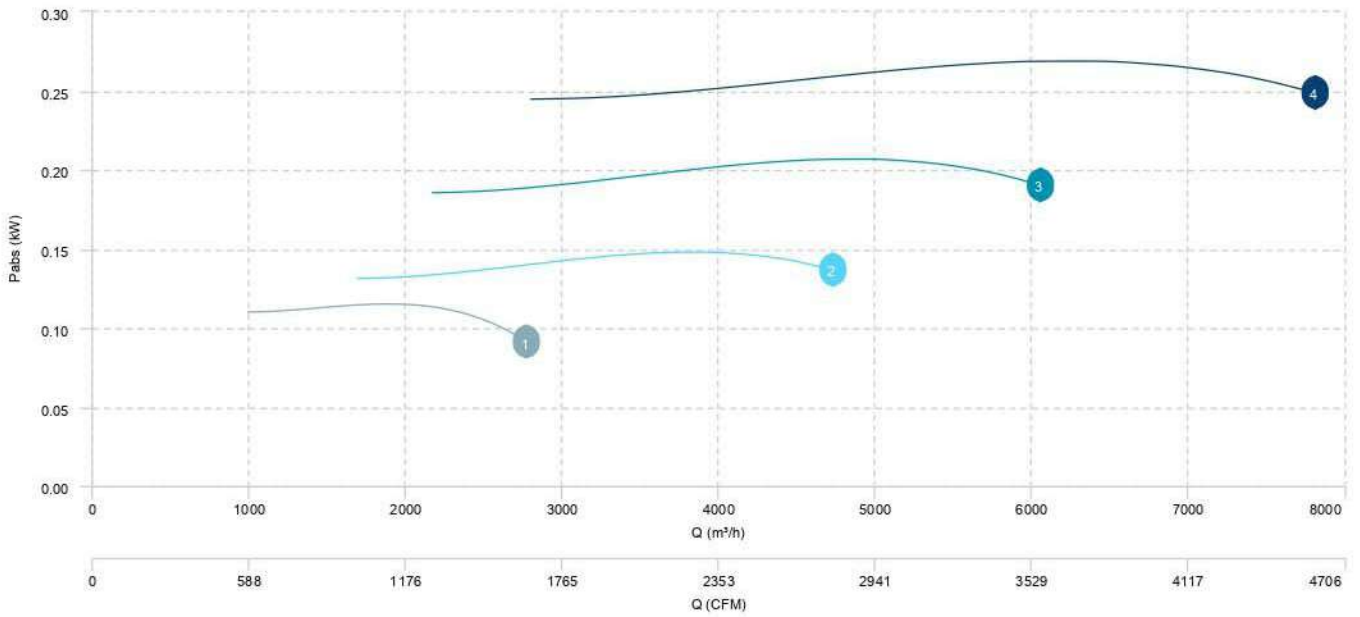


- 1 WM P4Z 40 M6 0,04kW
- 2 WM P4Z 45 M6 0,13kW
- 3 WM P4Z 50 M6 0,13kW
- 4 WM P4Z 56 M6 0,21kW

**AIR FLOW - PRESSURE**



**AIR FLOW - ABSORBED POWER**

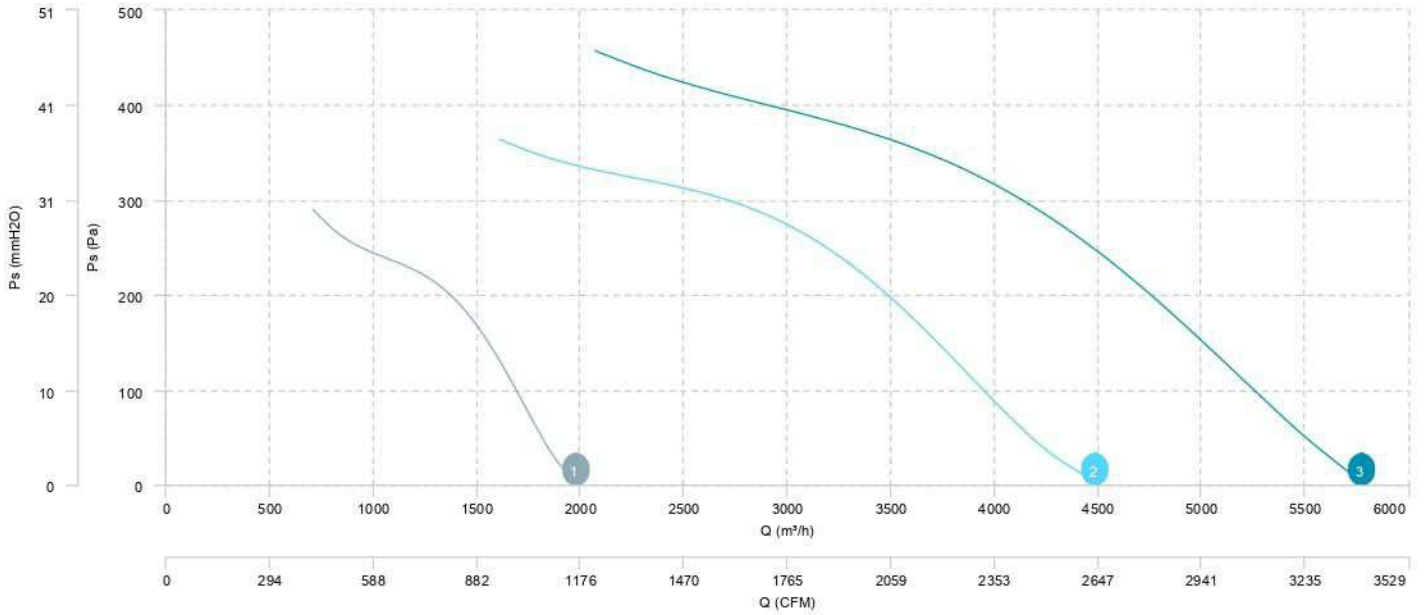


1 WM P4Z 25 T2 0,37kW

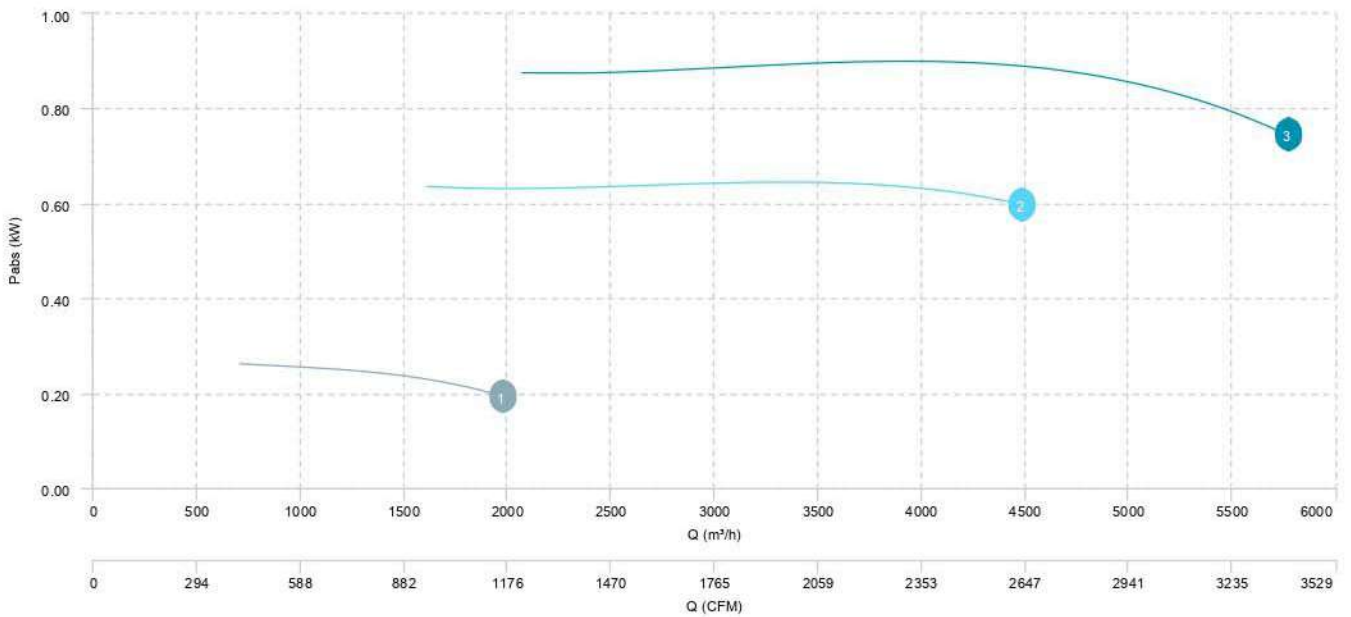
2 WM P4Z 30 T2 0,75kW

3 WM P4Z 35 T2 1,1kW

**AIR FLOW - PRESSURE**

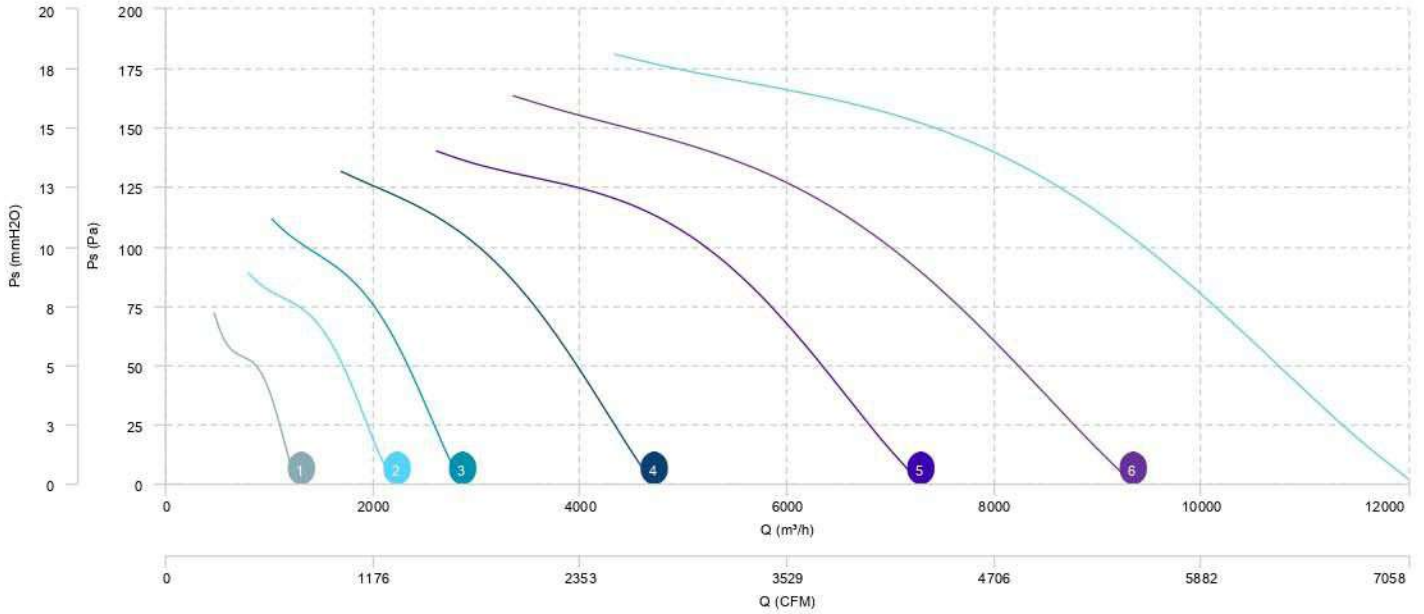


**AIR FLOW - ABSORBED POWER**

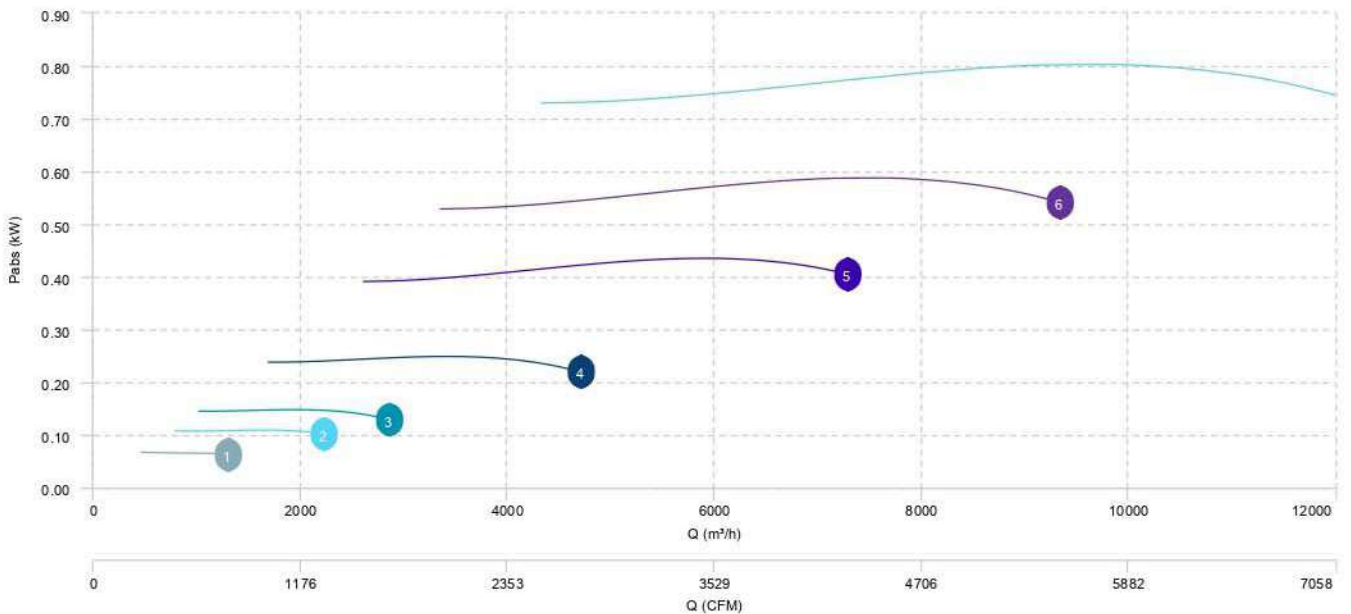


1	WM P4Z 25 T4 0,12kW	2	WM P4Z 30 T4 0,12kW	3	WM P4Z 35 T4 0,25kW	4	WM P4Z 40 T4 0,25kW
5	WM P4Z 45 T4 0,55kW	6	WM P4Z 50 T4 0,55kW	7	WM P4Z 56 T4 0,75kW		

**AIR FLOW - PRESSURE**



**AIR FLOW - ABSORBED POWER**



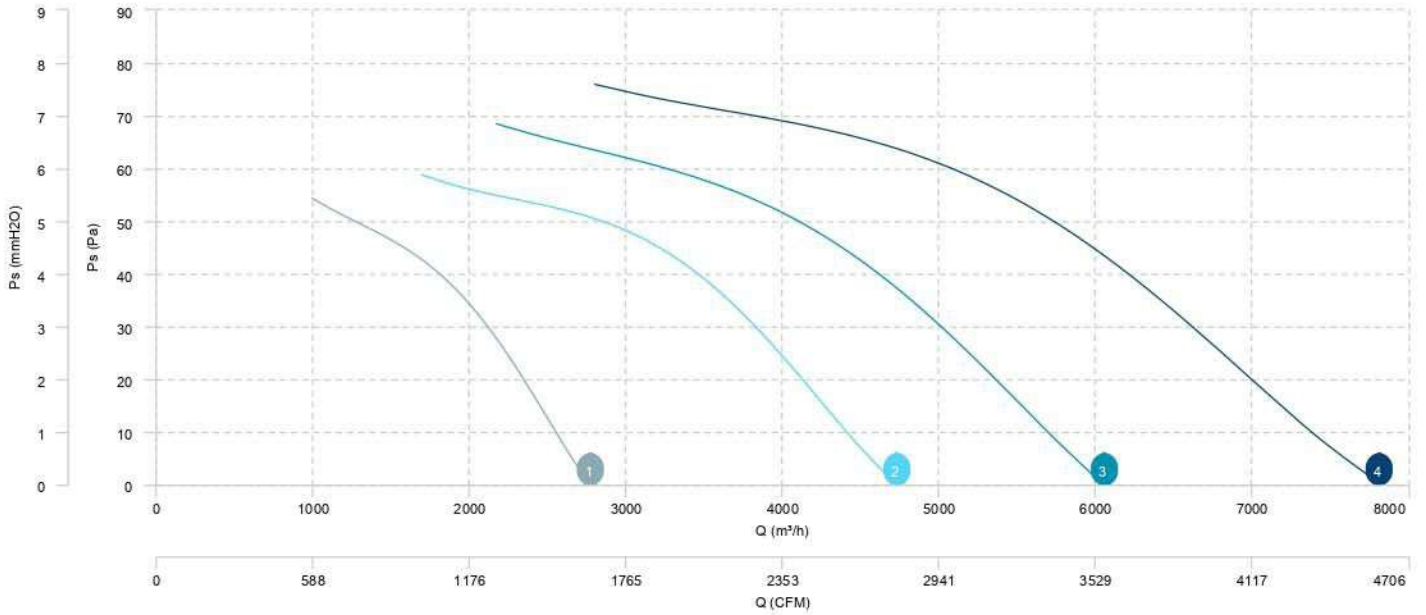
1 WM P4Z 40 T6 0,12kW

2 WM P4Z 45 T6 0,13kW

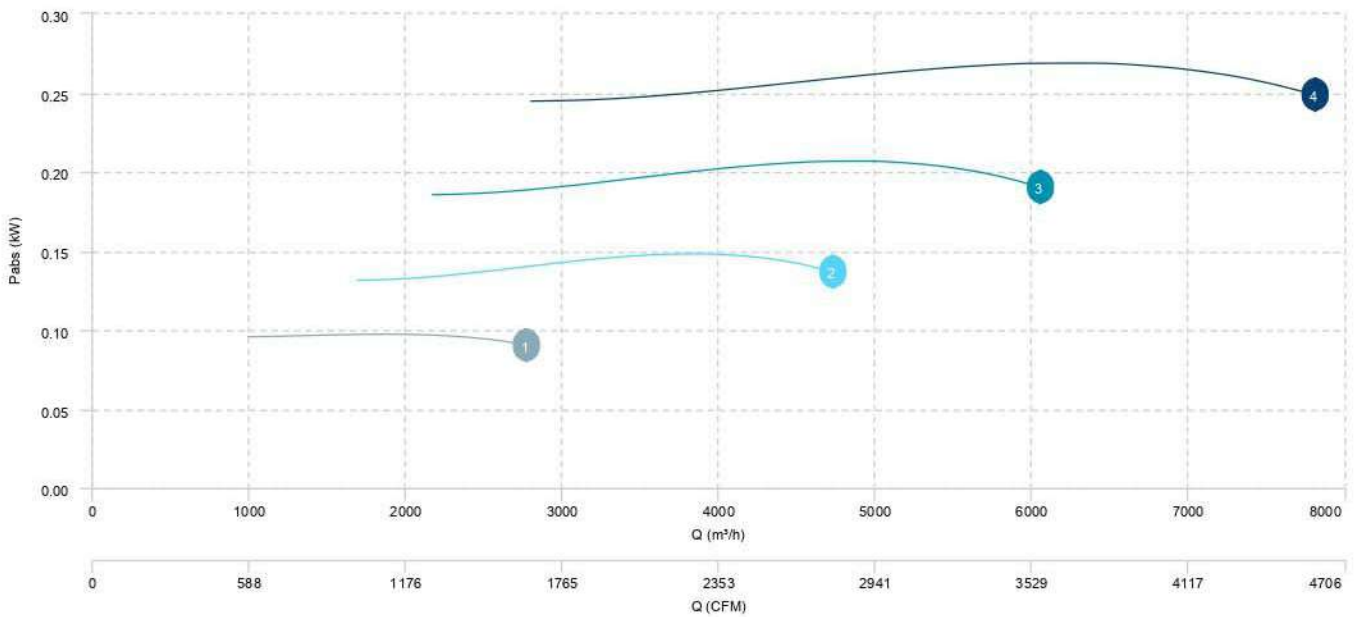
3 WM P4Z 50 T6 0,13kW

4 WM P4Z 56 T6 0,21kW

**AIR FLOW - PRESSURE**



**AIR FLOW - ABSORBED POWER**



## 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	
WM P4Z 25 M2 0,18kW ()	Inlet	49	58	65	69	72	72	73	66	79	
WM P4Z 25 T2 0,37kW ()	Inlet	49	58	65	69	72	72	73	66	79	
WM P4Z 30 M2 0,55kW ()	Inlet	51	60	65	73	73	76	77	71	82	
WM P4Z 30 T2 0,75kW ()	Inlet	53	62	68	74	75	76	77	71	83	
WM P4Z 35 M2 1,1kW ()	Inlet	55	63	70	73	76	76	78	73	83	
WM P4Z 35 T2 1,1kW ()	Inlet	55	63	70	73	76	76	78	73	83	

### 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	
WM P4Z 25 M4 0,06kW ()	Inlet	34	44	52	55	58	58	59	53	65	
WM P4Z 25 T4 0,12kW ()	Inlet	34	44	52	55	58	58	59	53	65	
WM P4Z 30 M4 0,08kW ()	Inlet	38	47	52	58	60	61	62	56	68	
WM P4Z 30 T4 0,12kW ()	Inlet	38	47	52	58	60	61	62	56	68	
WM P4Z 35 M4 0,12kW ()	Inlet	40	48	54	58	60	61	62	57	68	
WM P4Z 35 T4 0,25kW ()	Inlet	40	48	54	58	60	61	62	57	68	
WM P4Z 40 M4 0,25kW ()	Inlet	48	55	60	64	67	68	68	62	74	
WM P4Z 40 T4 0,25kW ()	Inlet	48	55	60	64	67	68	68	62	74	
WM P4Z 45 M4 0,37kW ()	Inlet	48	55	61	65	68	68	69	62	75	
WM P4Z 45 T4 0,55kW ()	Inlet	50	57	63	67	69	70	70	64	76	
WM P4Z 50 M4 0,55kW ()	Inlet	50	57	63	66	70	69	70	63	76	
WM P4Z 50 T4 0,55kW ()	Inlet	51	59	64	68	71	72	72	65	78	
WM P4Z 56 M4 0,75kW ()	Inlet	55	62	68	71	74	75	74	68	81	
WM P4Z 56 T4 0,75kW ()	Inlet	55	62	68	71	74	75	74	68	81	

### 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	
WM P4Z 40 M6 0,04kW ()	Inlet	35	42	48	51	54	56	57	50	62	
WM P4Z 40 T6 0,12kW ()	Inlet	35	42	48	51	54	56	57	50	62	
WM P4Z 45 M6 0,13kW ()	Inlet	41	48	53	57	60	61	61	54	67	
WM P4Z 45 T6 0,13kW ()	Inlet	41	48	53	57	60	61	61	54	67	

Sound power Lw dB (A)

Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
WM P4Z 50 M6 0,13kW ()	Inlet	42	49	55	59	62	62	62	56	69
WM P4Z 50 T6 0,13kW ()	Inlet	42	49	55	59	62	62	62	56	69
WM P4Z 56 M6 0,21kW ()	Inlet	46	53	58	62	65	65	65	58	71
WM P4Z 56 T6 0,21kW ()	Inlet	46	53	58	62	65	65	65	58	71