PQ-MF Peripheral impeller pumps

Clean water

Industrial use



PERFORMANCE RANGE

- Flow rate up to **50 l/min** (3.0 m³/h)
- Head up to **180 m**

INSTALLATION AND USE

- Designed to transfer clean water free from abrasive particles and liquids that will not damage the pump's components.
- Its hydraulic characteristics make it suitable for **industrial applications**.

APPLICATION LIMITS

- Manometric suction head up to **8 m**
- Liquid temperature between **-10 °C** and **+90 °C**
- Ambient temperature between **-10 °C** and **+50 °C**
- Maximum working pressure **18 bar**

AVAILABLE UPON REQUEST

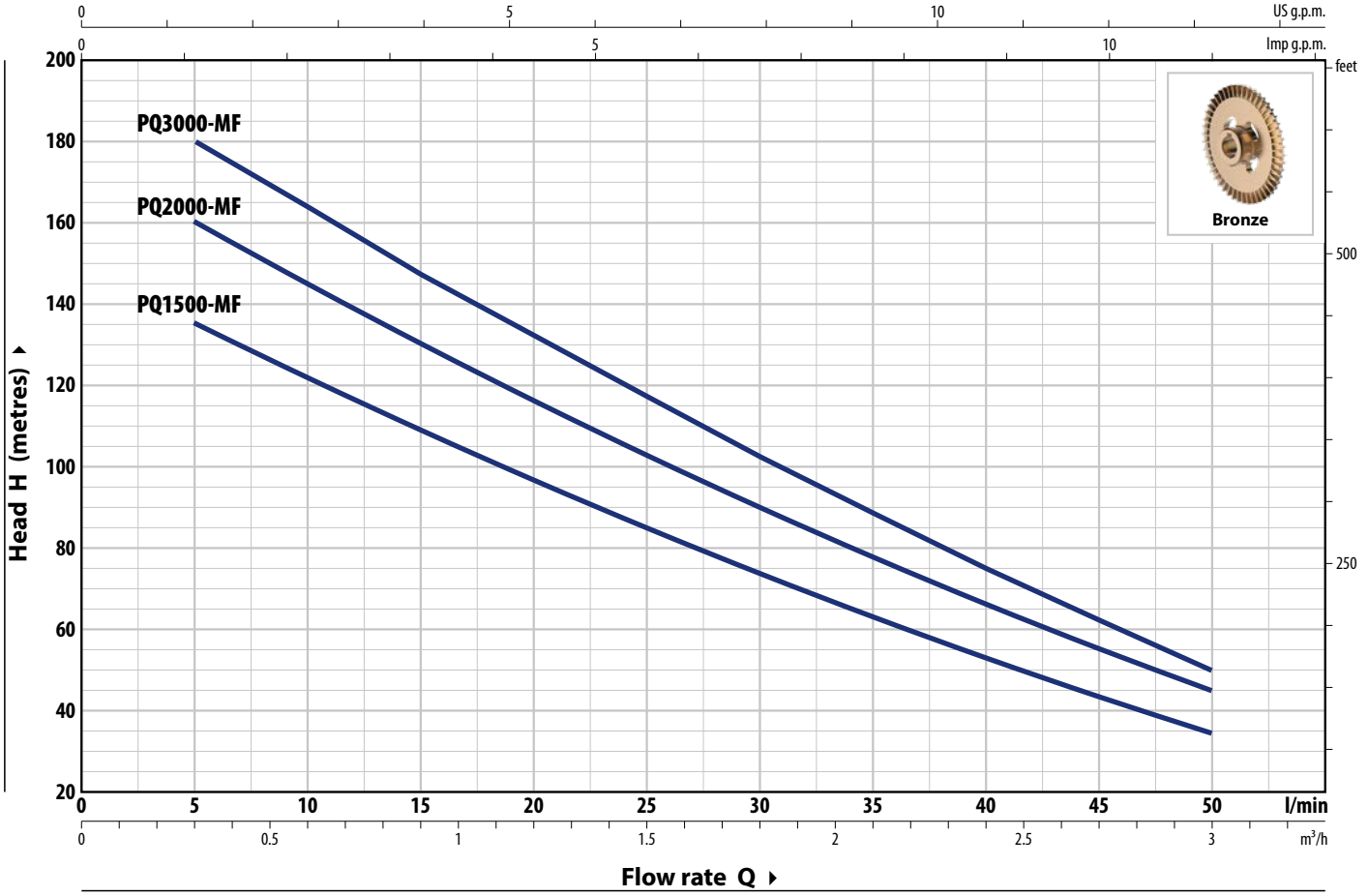
- Mechanical seal options available
- Shaft in stainless steel AISI 316 EN 10088-3 - 1.4401
- Different voltage requirements 60 Hz frequency

PATENTS - TRADE MARKS - MODELS

- Registered community model No. 002714469

CURVES AND PERFORMANCE DATA – HS=0 m

50 Hz



TYPE	POWER (P2)			Q	m³/h	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3
Three-phase	kW	HP	3~		l/min	**5**	**10**	**15**	**20**	**25**	**30**	**35**	**40**	**45**	**50**
PQ 1500-MF	1.1	1.5	IE3	**H**	meters	135	121.5	109	97	85	74	63.5	53.5	44	35
PQ 2000-MF	1.5	2				160	145	130	116	103	90	78	66.5	55.5	45
PQ 3000-MF	2.2	3				180	164	148	132	117	103	89	75.5	62.5	50

Q = Flow rate **H** = Total manometric head **HS** = Suction height

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

PQ-MF

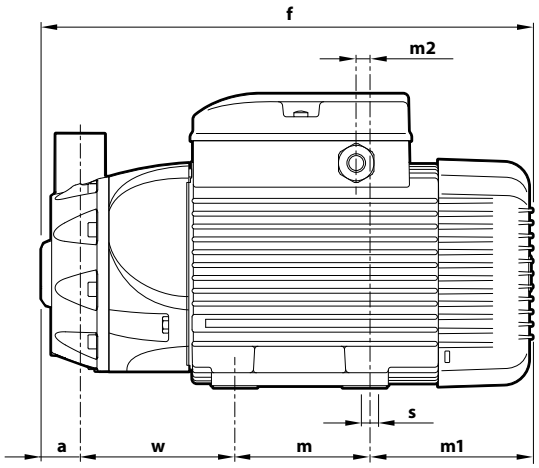
ABSORPTION

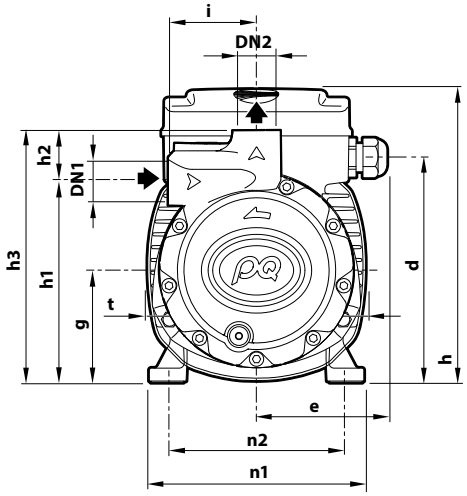
TYPE	VOLTAGE	
Three-phase	230 V - Δ	400 V - Y
PQ 1500-MF	7.4 A	4.3 A
PQ 2000-MF	9.3 A	5.4 A
PQ 3000-MF	12.9 A	7.5 A

PALLET CAPACITY

TYPE	NO. OF PUMPS
Three-phase	n. of pumps
PQ 1500-MF	60
PQ 2000-MF	60
PQ 3000-MF	60

DIMENSIONS AND WEIGHT





TYPE	PORTS		DIMENSIONS mm																		kg
Three-phase	DN1	DN2	a	d	e	f	g	h	h1	h2	h3	i	m	m1	m2	n1	n2	t	w	s	3~
PQ 1500-MF	¾"	¾"	28	157.5	92	327	80	211	142	36	178	62	100	94	11	151	125	155	105	9	16.5
PQ 2000-MF						347								114							19.1
PQ 3000-MF																					

CONSTRUCTION FEATURES

1	**Pump body**	Stainless steel **AISI 316**, with ISO 228/1 threaded ports
2	**Cover seal**	Stainless steel **AISI 316**
3	**Motor bracket**	Aluminum
4	**Impeller**	**Bronze**, radial peripheral vane type
5	**Mechanical seal**	Type: **FN-18 NU** — Materials: Graphite/ Ceramic/ NBR
6	**Motor shaft**	Stainless steel **AISI 431**
7	**Electric motor**	Three-phase 230/400 V - 50 Hz – The pumps are equipped with motors (IEC 60034-30-1) in class IE3 – Continuous running duty **S1** – Insulation: class F – Protection rating: IP X5

