



pumps with peripheral impeller
recommended for industrial uses



RANGE OF PERFORMANCE

Flow rate up to 90 l/min (5.4 m³/h)
Head up to 100 m

LIMITS OF USE

Manometric suction lift up to 8 m
Liquid temperature up to + 90°C
Environment temperature up to + 40°C

CONSTRUCTION AND SAFETY STANDARDS

EN 60034-1
IEC 34-1
CEI 2-3



INSTALLATION AND USE

They are recommended for pumping clean water without abrasive particles and liquids that are chemically non aggressive to the materials from which the pump is made.

THE HYDRAULIC CHARACTERISTICS OF THESE PUMPS, TOGETHER WITH THEIR COMPACTNESS, MAKE THEM SUITABLE FOR USE IN THE INDUSTRIAL SECTOR. The pumps must be installed in enclosed places, or at least protected against inclement weather.

GUARANTEE 2 YEARS subject to our general terms of sale.

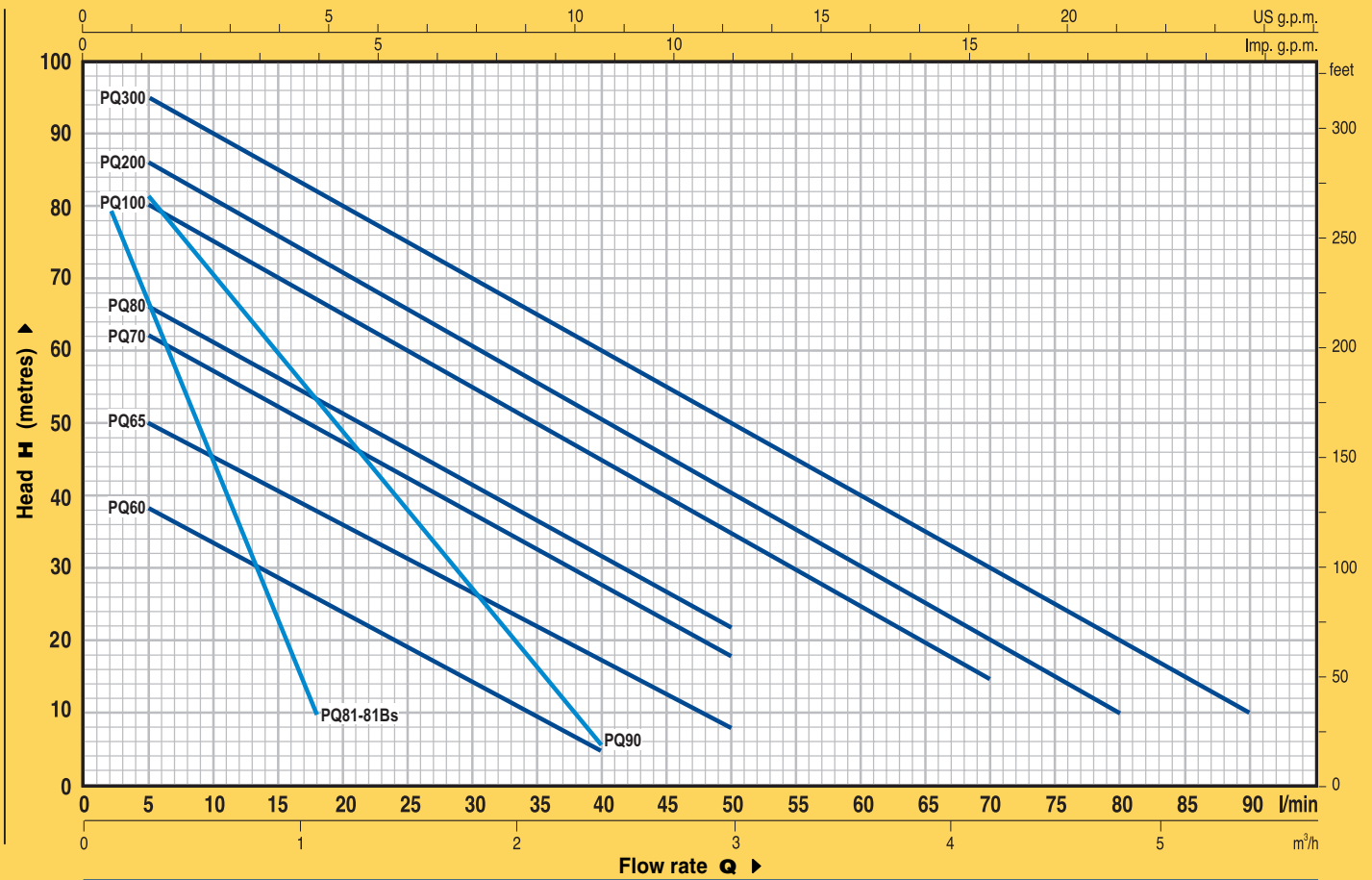
CONSTRUCTION CHARACTERISTICS

- **PUMP BODY:** cast iron, with threaded ports ISO 228/1.
- **PUMP BODY:** brass for PQ 81-Bs
- **MOTOR BRACKET (patent n° 1289150):** aluminium with brass insert; reduces starting difficulties due to seizure of the impeller after long periods of inactivity.
- **IMPELLER:** brass, of the type with radial peripheral vanes.
- **MOTOR SHAFT:** stainless steel EN 10088-3 - 1.4104.
- **MECHANICAL SEAL:** ceramic - graphite - NBR.
- **ELECTRIC MOTOR:** the pumps are close-coupled to a carefully matched PEDROLLO electric motor, quiet running, totally enclosed fan cooled (TEFC), suitable for continuous duty.
 - PQm: single-phase 230 V - 50 Hz with capacitor and thermal overload protector.
 - PQ: three-phase 230/400 V - 50 Hz.
- **INSULATION:** class F. ● **PROTECTION:** IP 44.
- **REGISTERED MODEL n° 72753**

OPTIONS ON REQUEST

- ⇒ pump shaft in stainless steel EN 10088-3 - 1.4401 (AISI 316)
- ⇒ special mechanical seal
- ⇒ protection IP 55
- ⇒ other voltages or frequency 60 Hz

CURVES AND PERFORMANCE DATA AT n= 2900 1/min



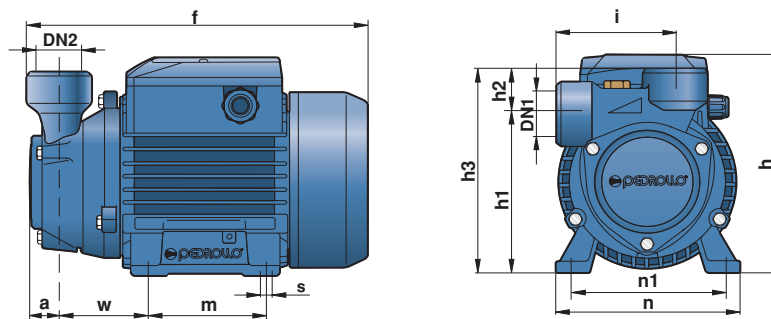
TYPE		POWER		Q	Flow rate															
Single-phase	Three-phase	kW	HP		m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3.0	3.6	4.2	4.8	5.4	
PQm 60	PQ 60	0.37	0.50	l/min	0	5	10	15	20	25	30	35	40	50	60	70	80	90		
PQm 65	PQ 65	0.50	0.70	H metres	40	38	33.5	29	24	19.5	15	10	5							
PQm 70	PQ 70	0.60	0.85		55	50	45.5	40.5	36	31	27	22	17	8						
PQm 80	PQ 80	0.75	1		65	62	57	52	47	42	37	32	27	18						
PQm 90	PQ 90	0.75	1		70	66	61	56	51	46	41	36.5	31	22						
PQm 100	PQ 100	1.1	1.5		90	82	71	60	49	38	27	17	5							
PQm 200	PQ 200	1.5	2		85	80	75	70	65	60	55	50	45	35	25	15				
—	PQ 300	2.2	3		90	86	81	76	71	65.5	60	55	50	40	30	20	10			
					100	95	90	85	80	75	70	65	60	50	40	30	20	10		

TYPE		POWER		Q	Flow rate										
Single-phase	Three-phase	kW	HP		m³/h	0	0.12	0.24	0.36	0.48	0.60	0.72	0.84	0.96	1.08
PQm 81	PQ 81	0.50	0.70	l/min	0	2	4	6	8	10	12	14	16	18	
PQm 81-Bs	PQ 81-Bs	0.50	0.70	H metres	90	80	71	63	54	45	37	28	19	10	
					90	80	71	63	54	45	37	28	19	10	

Q = Flow rate H = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

DIMENSIONS AND WEIGHTS



TYPE		PORTS		DIMENSIONS mm												kg	
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	h3	i	m	n	n1	w	s	1~	3~
PQm 60	PQ 60	1"	1"	22	223	152	108	30	138	78	80	120	100	55	7	5.3	5.3
PQm 65	PQ 65				234/227		113		143					57		7.1	6.3
PQm 70	PQ 70				253		121		151					62		9.9	8.9
PQm 80	PQ 80															10.0	8.8
PQm 81	PQ 81	1/2"	1/2"	18	227/220	152	118	23	141	71	80	120	100	58	9	6.7	6.8
PQm 81-Bs	PQ 81-Bs															6.8	6.8
PQm 90	PQ 90	3/4"	3/4"	22	253	179	126	27	153	84	90	138	112	62	9	10.0	9.0
PQm 100	PQ 100															14.8	14.3
PQm 200	PQ 200	1"	1"	25	318	212	140	30	170	89	100	158	125	85	9	15.7	14.8
—	PQ 300															—	15.7