

PKS self-priming pumps with peripheral impeller



RANGE OF PERFORMANCE

Flow rate up to 50 l/min (3 m³/h)
Head up to 70 m

LIMITS OF USE

Manometric suction lift up to 9 m
Liquid temperature up to + 60°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.

FOR THEIR COMPACTNESS, RELIABILITY AND ECONOMY THEY ARE SUITABLE FOR DOMESTIC USE AND IN PARTICULAR FOR DISTRIBUTING WATER IN COMBINATION WITH SMALL PRESSURE SETS, FOR IRRIGATING GARDENS, DRAWING WATER FROM TANKS OR WELLS DOWN TO A DEPTH OF 9 METRES AND IN ALL CASES WHERE THERE IS THE PRESENCE OF AIR OR GAS IN THE LIQUID TO BE PUMPED; the pump is provided with a check flap valve on the intake so that it is no longer necessary to fit a foot valve. 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.

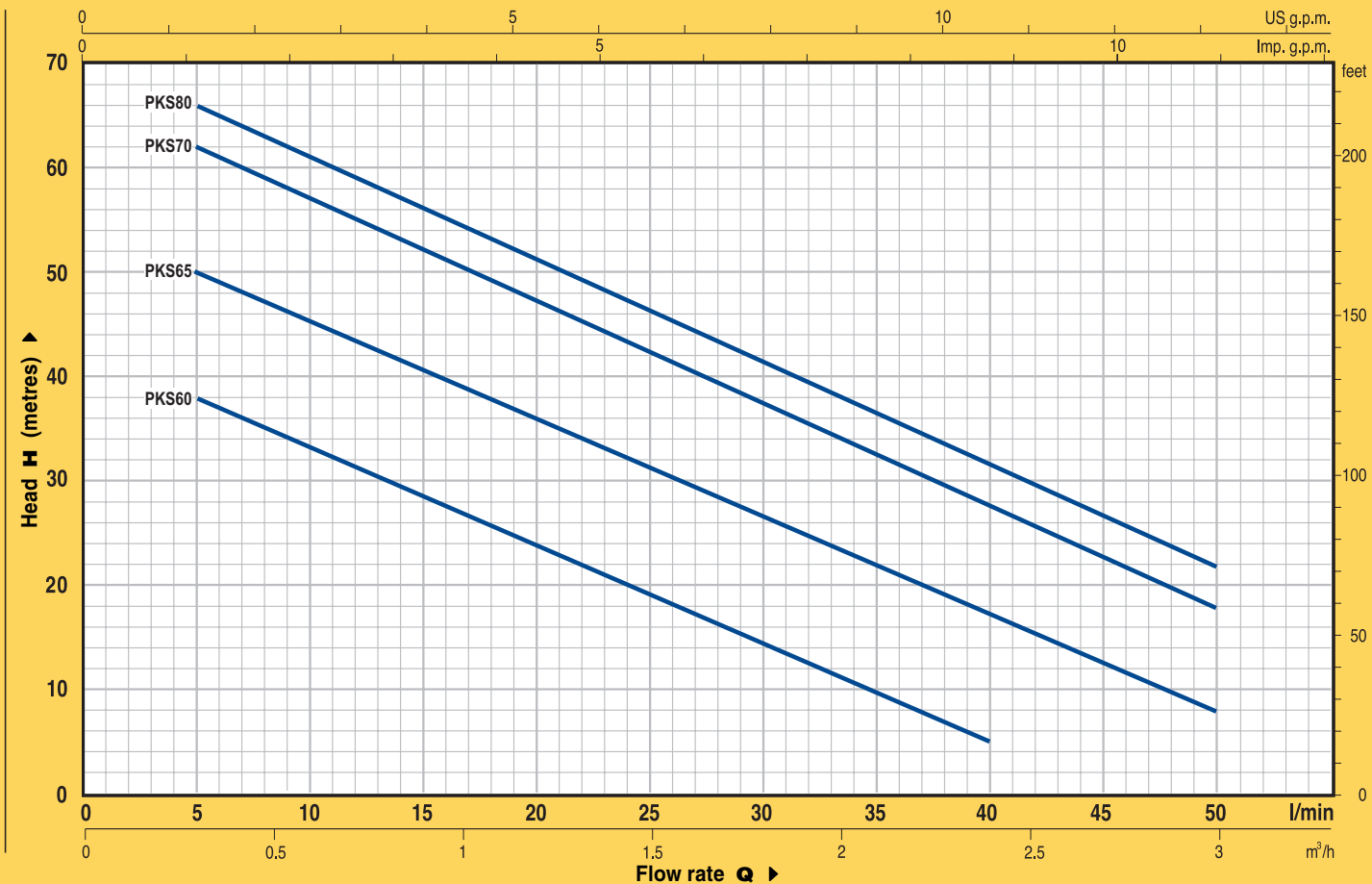
CONSTRUCTION CHARACTERISTICS

- **PUMP BODY:** cast iron, with threaded ports ISO 228/1.
- **CHECK FLAP VALVE:** incorporated in the suction port.
- **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.
PKSm: single-phase 230 V - 50 Hz with capacitor and thermal overload protector.
PKS: three-phase 230/400 V- 50 Hz
- **INSULATION:** class F. ● **PROTECTION:** IP 44.
- **REGISTERED MODEL n° 72753.**

OPTIONS ON REQUEST

- ⇒ special mechanical seal
- ⇒ other voltages or frequency 60 Hz

CURVES AND PERFORMANCE DATA AT n= 2900 1/min

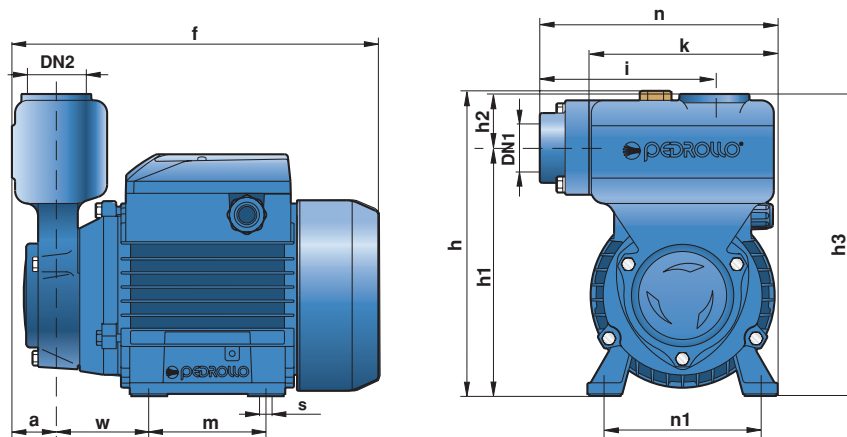


TYPE		POWER		Q	Flow rate												
Single-phase	Three-phase	kW	HP		m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	
PKSm 60	PKS 60	0.37	0.50	l/min	0	5	10	15	20	25	30	35	40	45	50		
PKSm 65	PKS 65	0.50	0.70	H metres	40	38	33.5	29	24	19.5	15	10	5				
PKSm 70	PKS 70	0.60	0.85		55	50	45.5	40.5	36	31	27	22	17	12.5	8		
PKSm 80	PKS 80	0.75	1		65	62	57	52	47	42	37	32	27	22	18		
					70	66	61	56	51	46	41	36.5	31	27	22		

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	k	n1	w	s	1~	3~
PKSm 60	PKS 60	1"	1"	29	230	192	156	34	190	110	80	150	120	100	55	7	6.1	6.1
PKSm 65	PKS 65				238/230												7.7	7.1
PKSm 70	PKS 70				260												10.7	9.6
PKSm 80	PKS 80				260												10.8	9.7