

PKS

self-priming peripheral pumps



PKSm 60



PERFORMANCE RANGE

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

OPERATING LIMITS

Suction lift up to 9 m
Fluid temperature up to + 60°C
Maximum ambient temperature + 40°C

CONSTRUCTION AND SAFETY STANDARDS:

EN 60 335-1	EN 60034-1
IEC 335-1	IEC 34-1
CEI 61-150	CEI 2-3

PUMP INSTALLATION AND APPLICATIONS

These pumps are suitable for handling clean water not containing abrasive particles and fluids which are not chemically aggressive to the pump components.

RELIABLE, COMPACT, ECONOMICAL AND SIMPLE TO USE, THEY ARE PARTICULARLY SUITABLE FOR DOMESTIC APPLICATIONS, FOR USE WITH WATER IN GENERAL, FOR THE AUTOMATIC DISTRIBUTION OF WATER FROM SURGE TANKS, FOR WATERING GARDENS, AND FOR LIFTING WATER FROM TANKS OR WELLS DOWN TO A DEPTH OF 9 M; the pump is supplied with a check valve on the suction side so that no foot valve is required.

These pumps should be installed in a covered area, protected against weather.

WARRANTY: 2 YEARS

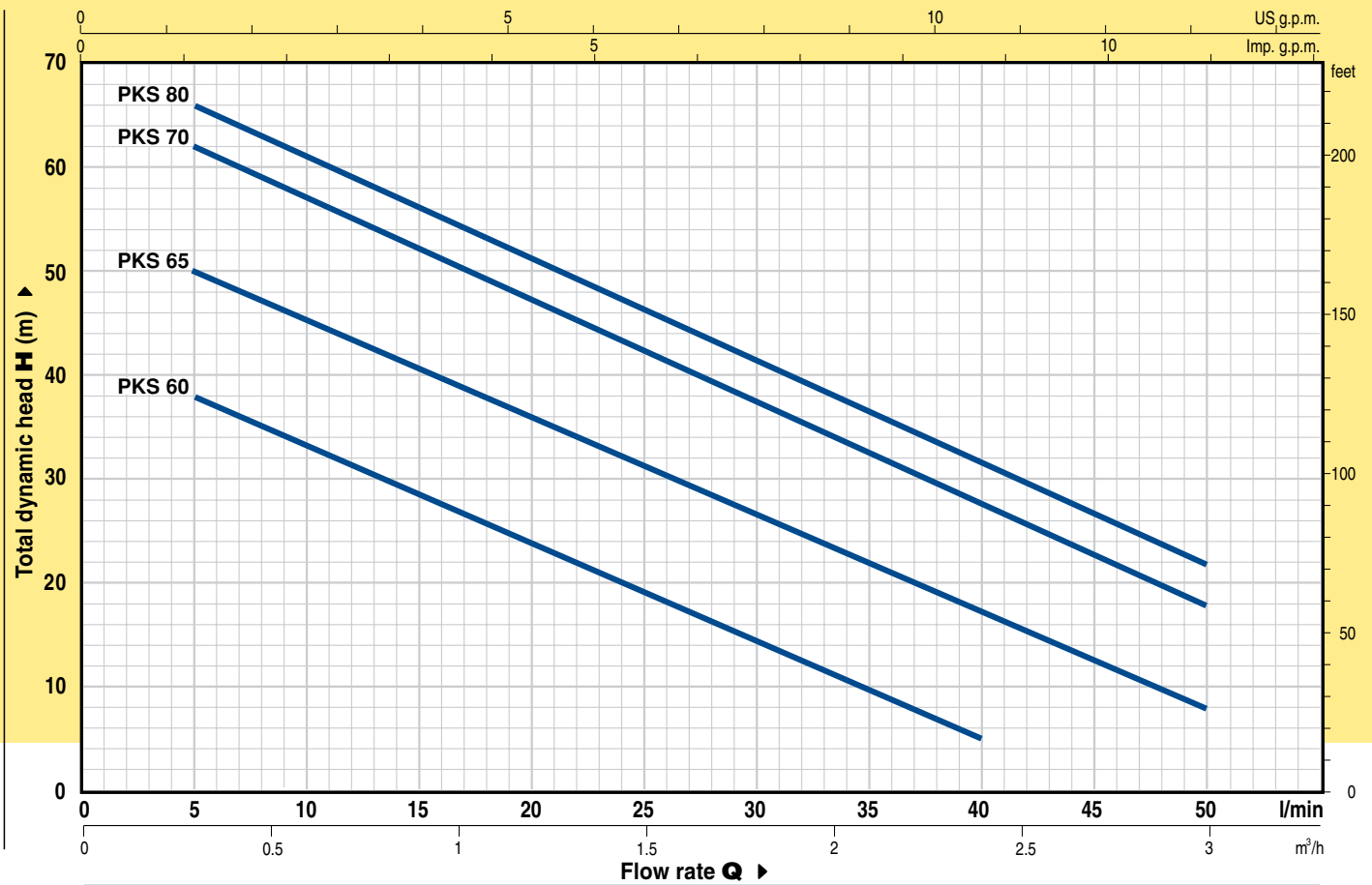
(according to our general sales conditions).

STRUCTURAL CHARACTERISTICS

- **PUMP BODY:**
cast iron, with UNI ISO 228/1 gas threaded suction and delivery openings.
- **CHECK VALVE:**
built into the suction opening.
- **MOTOR BRACKET patented n° 1289150:**
aluminium with front brass insert; reducing difficulties when starting the pump after long periods without use, due to the impeller blocking.
- **IMPELLER:**
brass with radial peripheral blades floating on the shaft.
- **MOTOR SHAFT:**
AISI 430 F stainless steel (AISI 416 up to 0.50 kW).
- **MECHANICAL SEAL:**
ceramic and graphite.
- **MOTOR:**
the pumps are coupled to an asynchronous, high efficiency PEDROLLO induction motor of suitable size, which is quiet, closed and externally ventilated, with an «IM B3» structural shape, suitable for continuous duty. INSULATION class F (B up to 0.75 kW).
The thermal cutout relay (motor protector) is incorporated in single phase motors.
Three phase motors require an adequate external motor protector, with connections according to current standards.
- **PROTECTION:**
IP 44.
- **REGISTERED MODEL n° 72753.**



PERFORMANCE CHART AT n= 2900 1/min

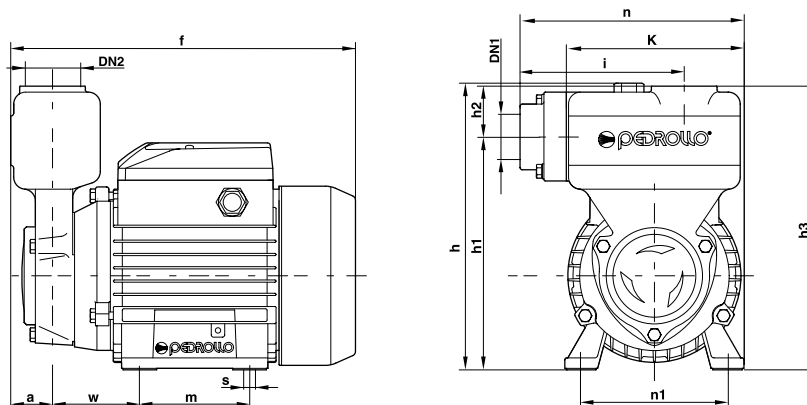


PERFORMANCE DATA AT n= 2900 1/min

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

Q = FLOW RATE H = TOTAL DYNAMIC HEAD IN METERS

Curve tolerance according to ISO 2548.



DIMENSIONS

PUMP MODEL		DN1	DN2	DIMENSIONS mm												
Single phase	Three phase			a	f	h	h1	h2	h3	i	m	n	K	n1	w	s
PKSm 60	PKS 60	1"	1"	29	230	192	156	34	190	110	80	150	120	100	55	7
PKSm 65	—	1"	1"	29	238	192	156	34	190	110	80	150	120	100	55	7
—	PKS 65	1"	1"	29	230	192	156	34	190	110	80	150	120	100	55	7
PKSm 70	PKS 70	1"	1"	29	260	200	164	34	198	110	90	160	138	112	62	7
PKSm 80	PKS 80	1"	1"	29	260	200	164	34	198	110	90	160	138	112	62	7