



PKm 60®



PERFORMANCE RANGE

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

OPERATING LIMITS

Suction lift up to 8 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, ECONOMICAL AND SIMPLE TO USE, THEY ARE SUITABLE FOR DOMESTIC APPLICATIONS AND FOR THE AUTOMATIC DISTRIBUTION OF WATER FROM SURGE TANKS, FOR WATERING GARDENS AND FOR BOOSTING INSUFFICIENT MAINS WATER PRESSURE.

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

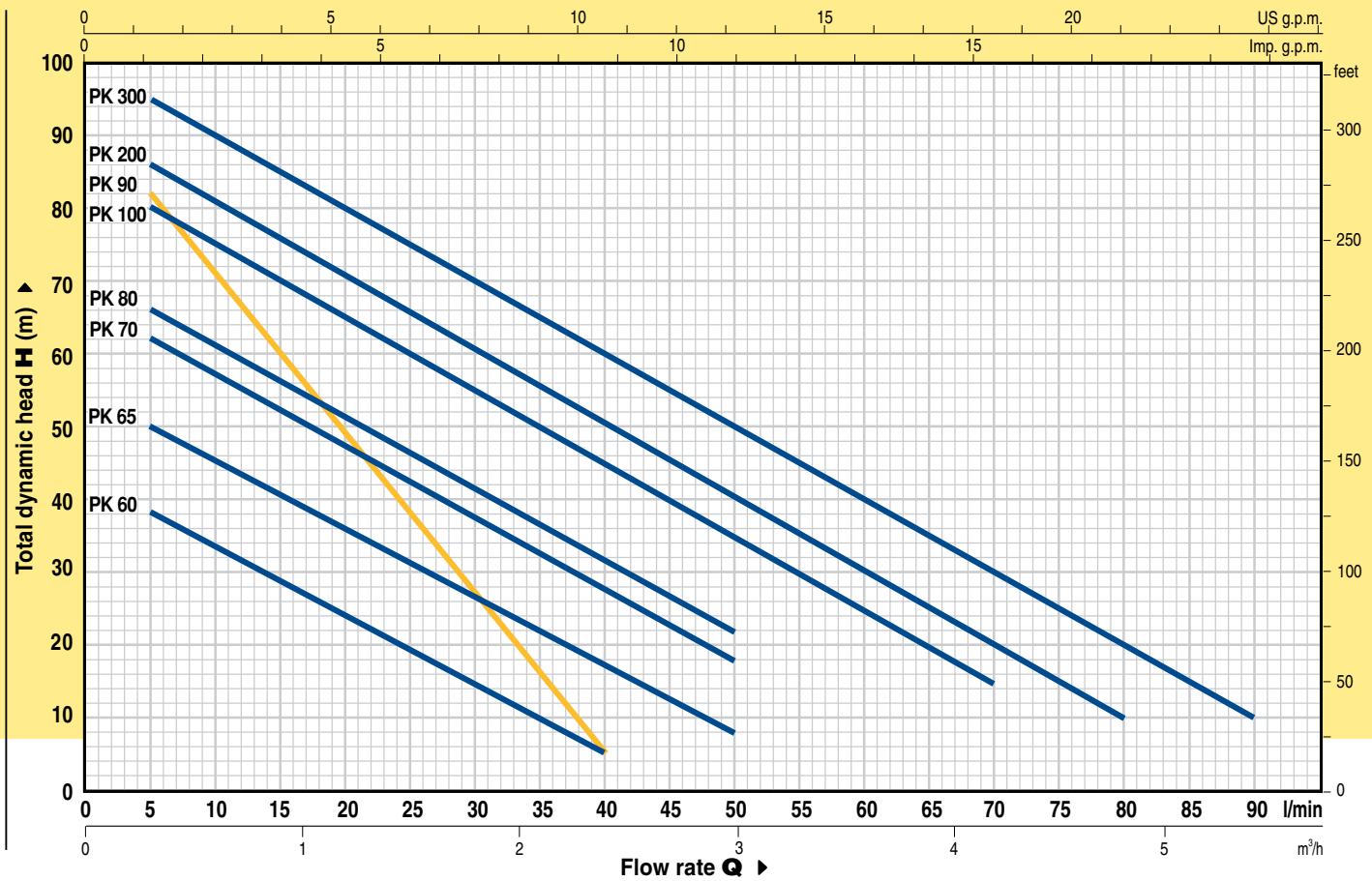
WARRANTY: 2 YEARS

(according to our general sales conditions).

STRUCTURAL CHARACTERISTICS

- **PUMP BODY:**
cast iron, with UNI ISO 228/1 gas threaded suction and delivery openings.
- **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

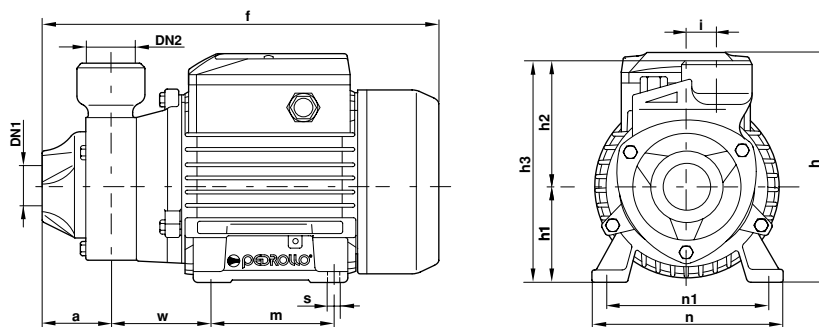


PERFORMANCE DATA AT n= 2900 1/min

PUMP MODEL		POWER		Q m³/h	H (m)																
Single phase	Three phase	kW	HP		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			
				l/min	0	5	10	15	20	25	30	35	40	50	60	70	80	90			
PKm 60®	PK 60®	0.37	0.50	40	38	33.5	29	24	19.5	15	10	5									
PKm 65	PK 65	0.50	0.70	55	50	45.5	40.5	36	31	27	22	17	8								
PKm 70	PK 70	0.60	0.85	65	62	57	52	47	42	37	32	27	18								
PKm 80	PK 80	0.75	1	70	66	61	56	51	46	41	36.5	31	22								
PKm 90	PK 90	0.75	1	90	82	71	60	49	38	27	17	5									
PKm 100	PK 100	1.1	1.5	85	80	75	70	65	60	55	50	45	35	25	15						
PKm 200	PK 200	1.5	2	90	86	81	76	71	65.5	60	55	50	40	30	20	10					
PKm 300	PK 300	2.2	3	100	95	90	85	80	75	70	65	60	50	40	30	20	10				

Q = FLOW RATE H = TOTAL DYNAMIC HEAD IN METERS

Curve tolerance according to ISO 2548.



DIMENSIONS

PUMP MODEL		DIMENSIONS mm													
Single phase	Three phase	DN1	DN2	a	f	h	h1	h2	h3	i	m	n	n1	w	s
PKm 60®	PK 60®	1"	1"	42	243	152	63	75	138	20	80	120	100	55	7
PKm 65	PK 65	1"	1"	48	258	152	63	80	143	20	80	120	100	55	7
PKm 70-80	PK 70-80	1"	1"	48	250	152	63	80	143	20	80	120	100	55	7
PKm 90	PK 90	3/4"	3/4"	55	285	179	71	85	156	20	90	138	112	62	7
PKm 100	PK 100	1"	1"	55	322	203	80	94	174	20	100	158	125	85	9
PKm 200	PK 200	1"	1"	55	342	203	80	94	174	20	100	158	125	95	9
PKm 300	PK 300	1"	1"	55	342	203	80	94	174	20	100	158	125	95	9