PK electropumps with peripheral impeller

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

LIMITS OF USE
Manometric suction height up to 8 m
Liquid temperature up to + 60°C
Environment temperature up to + 40°C

EXECUTION AND SAFETY STANDARDS

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

CE

USES AND INSTALLATIONS
They are recommended for pumping clean water without abrasive particles and liquids that are chemically non aggressive for the materials of which the pump is made.
FOR THEIR RELIABILITY, SIMPLICITY OF USE AND ECONOMY THEY ARE SUITABLE FOR DOMESTIC USE AND IN PARTICULAR FOR DISTRIBUTING WATER IN COMBINATION WITH SMALL AUTOCLAVES, FOR IRRIGATING GARDENS.
The pumps must be installed in enclosed places, or at least protected against inclement weather.

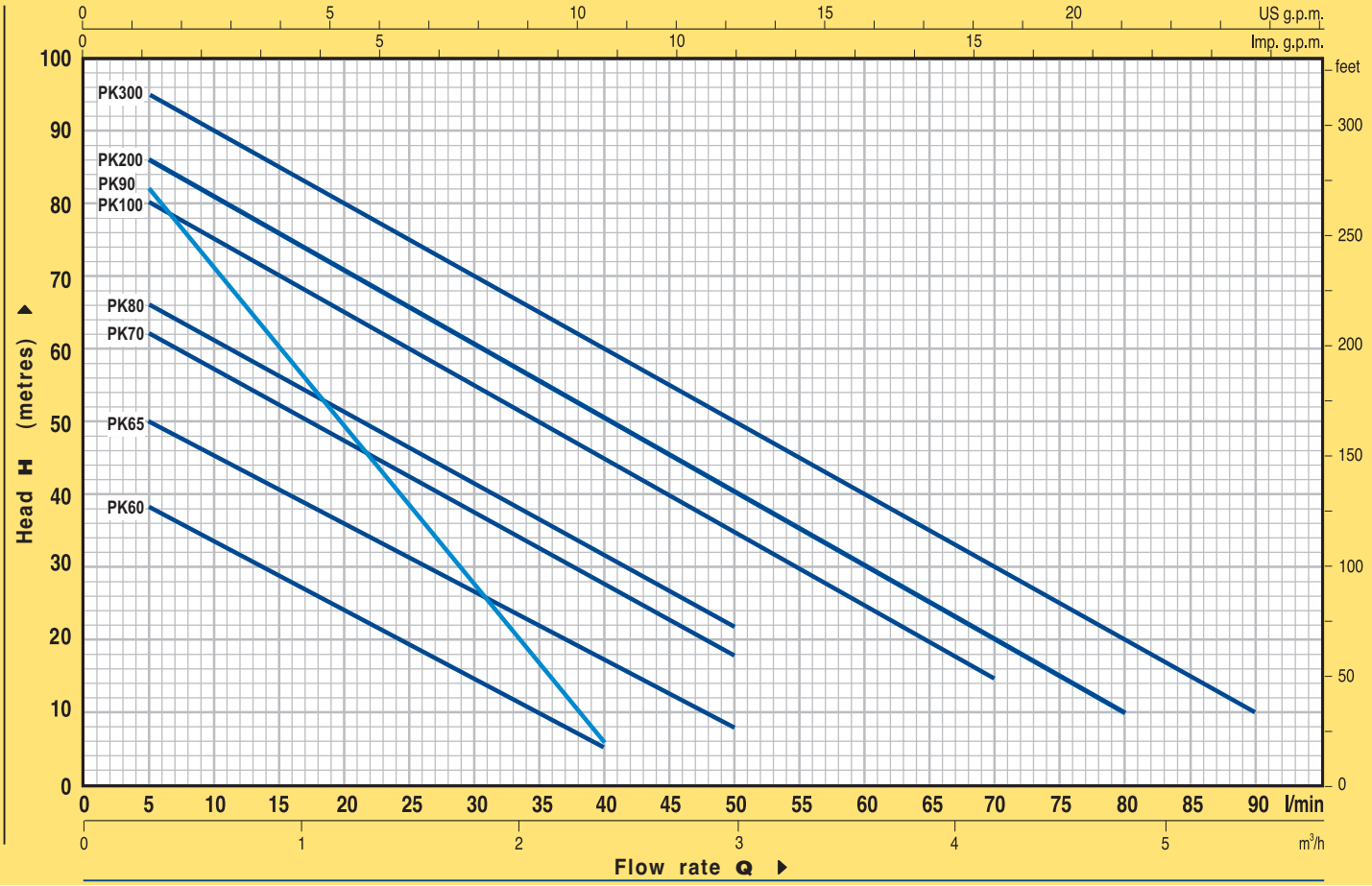
GUARANTEE 2 YEARS according to our general terms of sale.

CONSTRUCTION CHARACTERISTICS
- **PUMP BODY: cast iron**, with threaded inlets ISO 228/1.
- **LANTERN (patent n° 1289150): aluminium** with front shim disk in **brass**; reduces starting difficulties due to blockage 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 coupled to a PEDROLLO electric motor with specially calculated dimensions, silent-running, closed, with external ventilation, suitable for continuous duty.
  PKm: single-phase 230 V - 50 Hz with condenser and thermal overload protector built into the winding.
  PK: three-phase 230/400 V- 50 Hz.
- **INSULATION:** class F. ● **PROTECTION:** IP 44.
- **REGISTERED MODEL n° 72753.**
- **PKm 60® is a REGISTERED TRADE MARK n° 602636.**

EXECUTIONS ON REQUEST
⇒ special mechanical seal
⇒ other voltages or frequency 60 Hz

PEDROLLO ... the spring of life

CURVES AND PERFORMANCE DATA AT n= 2900 1/min

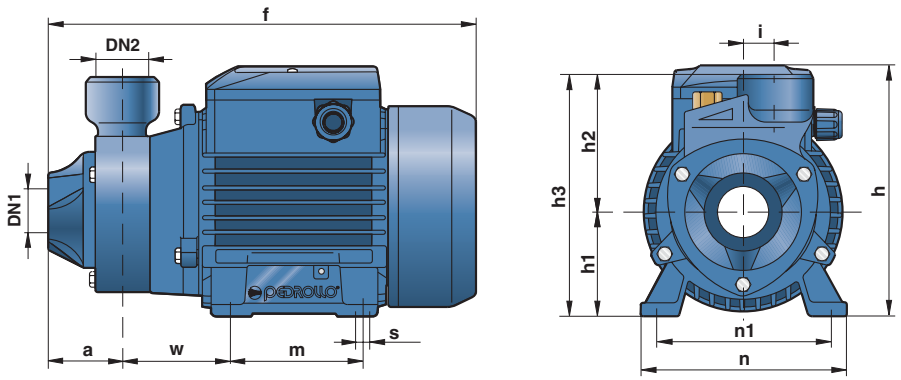


TYPE		POWER		Q	m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3.0	3.6	4.2	4.8	5.4
Single-phase	Three-phase	kW	HP		l/min	**0**	**5**	**10**	**15**	**20**	**25**	**30**	**35**	**40**	**50**	**60**	**70**	**80**	**90**
PKm 60®	**PK 60®**	0.37	0.50	H metres		40	38	33.5	29	24	19.5	15	10	5					
PKm 65	**PK 65**	0.50	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	
——	**PK 300**	2.2	3			100	95	90	85	80	75	70	65	60	50	40	30	20	10

Q = Flow rate **H** = Total manometric head

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

DIMENSIONS AND WEIGHTS



TYPE		INLETS		DIMENSIONS mm												kg	
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	h3	i	m	n	n1	w	s	1~	3~
PKm 60®	**PK 60®**	1"	1"	42	243	152	63	75	138	20	80	120	100	55	7	5.3	5.3
PKm 65	**PK 65**			48	258/250			80	143							7.7	6.4
PKm 70	**PK 70**			55	285	179	71	85	156		90	138	112	62		10.1	9.2
PKm 80	**PK 80**															10.3	9.9
PKm 90	**PK 90**	3/4"	3/4"	58	288			95	166								9.3
PKm 100	**PK 100**	1"	1"	55	348	212	80	94	174		100	158	125	85	9	15.0	13.1
PKm 200	**PK 200**															16.0	15.2
——	**PK 300**															——	18.0