ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

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(217) 352-9330 | sales@artisantg.com | artisantg.com

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with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *Pedrollo PKM 60-1* at our website: ***Click HERE***

Pumps with peripheral impeller

Clean water

Domestic use



PERFORMANCE RANGE

- Flow rate up to **90 l/min** (5.4 m^3/h)
- Head up to **100 m**

APPLICATION LIMITS

- Manometric suction lift up to **8 m**
- Liquid temperature between **-10 °C** and **+60 °C**
- Ambient temperature up to **+40 °C** (**+50 °C** for PK 60)
- Max. working pressure:
  – **6 bar** for PK 60, PK 60-MD, PK 65, PK 70, PK 80
  – **10 bar** for PK 90, PK 100, PK 200, PK 300
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

EN 60335-1
IEC 60335-1
CEI 61-150

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

CE

CERTIFICATIONS

Company with management system certified DNV
ISO 9001: QUALITY

INSTALLATION AND USE

Suitable for use with clean water that does not contain abrasive particles and with liquids that are not chemically aggressive towards the materials from which the pump is made.
Because of their reliability and the fact that they are easy to use and are economical, they are ideal for domestic use and in particular for distributing water in combination with small pressure tanks and for the irrigation of gardens and orchards.
The pump should be installed in an enclosed environment or sheltered from inclement weather.

PATENTS - TRADE MARKS - MODELS

- Motor bracket: patent n. IT1243605
- Shaft: patent n. 0000275945 (PK60, PK65)
- Pump body: patent n. 0000275946 (PK60, PK65)
- Registered EU Design n. 004673192
- PKm 60® Registered Trade Mark n. 009875394

OPTIONS AVAILABLE ON REQUEST

- Pump body with NPT ANSI B 1.20.1 threaded ports
- Special mechanical seal
- Other voltages
- IP X5 class protection for PK 70-80-90-100-200-300

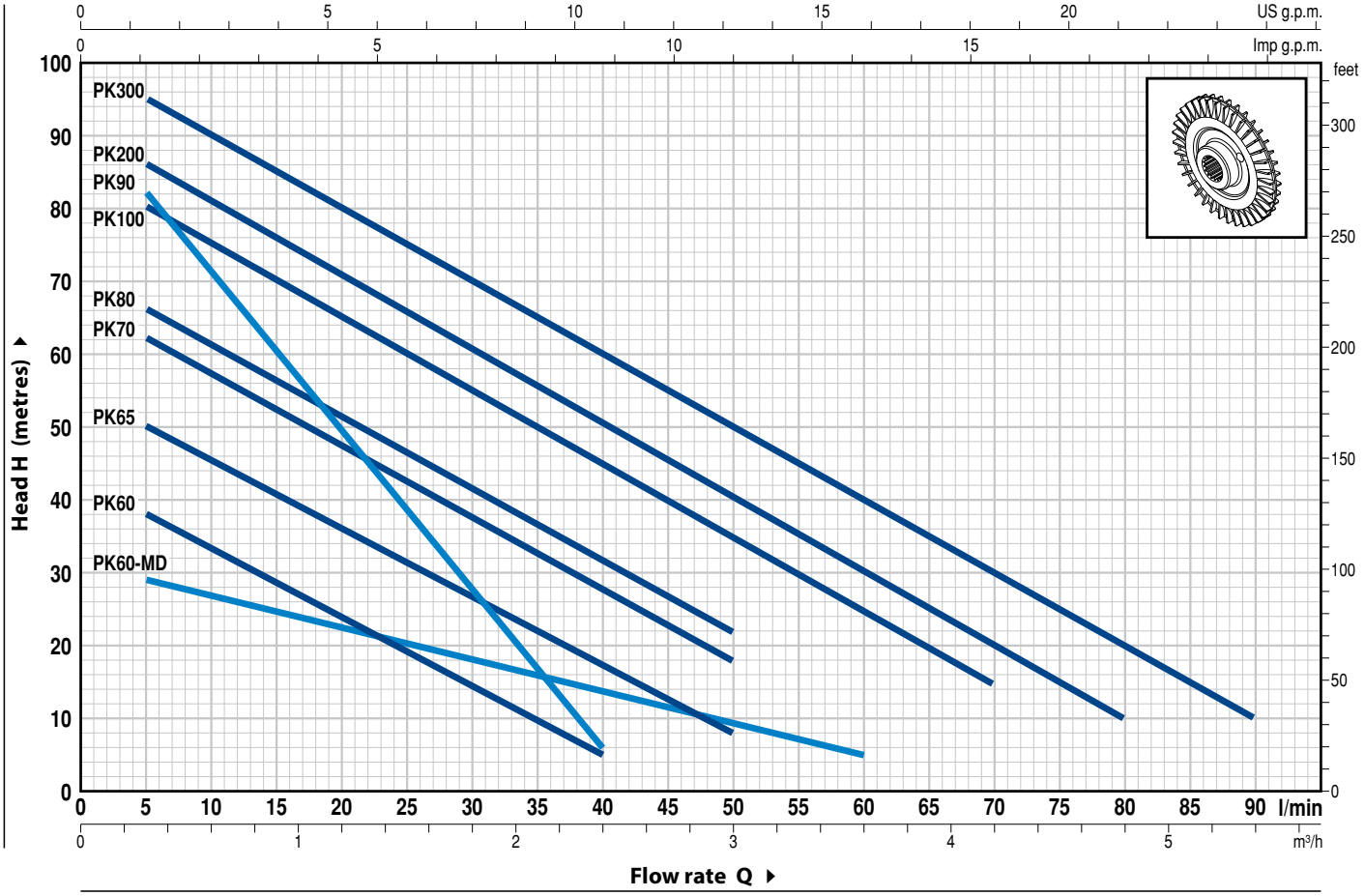
GUARANTEE

2 years subject to terms and conditions

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CHARACTERISTIC CURVES AND PERFORMANCE DATA

60 Hz **n= 3450 min⁻¹** HS= 0 m



MODEL		POWER (P2)			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				40	38	33.5	29	24	19.5	15	10	5					
PKm 60®-MD	**PK 60®-MD**	0.37	0.50	**IE2**			30	29	26.5	24.5	22.5	20.5	18	16	13.5	9.5	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		**H**	metres	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	**IE3**			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 **HS** = Suction height

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

▲ Three phase motor efficiency class (IEC 60034-30-1)

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POS. COMPONENT — CONSTRUCTION CHARACTERISTICS

1 PUMP BODY
Cast iron, with threaded ports in compliance with ISO 228/1
(PK 60, PK 60-MD with an Epoxy Electro Coating treatment)

2 MOTOR BRACKET
Aluminium with brass insert (patented), reduces the risk of impeller seizure

3 IMPELLER
Brass with peripheral radial vanes

4 MOTOR SHAFT
Stainless steel EN 10088-3 - 1.4104

5 MECHANICAL SEAL

Pump	*Seal*	*Shaft*	*Materials*		
Model	*Model*	*Diameter*	*Stationary ring*	*Rotational ring*	*Elastomer*
PK 60-65-70-80 PK60-MD	**AR-12**	**Ø 12** mm	Ceramic	Graphite	NBR
PK 90	**ST1-12**	**Ø 12** mm	Silicon carbide	Graphite	NBR
PK 100-200-300	**FN-14**	**Ø 14** mm	Graphite	Ceramic	NBR

6 BEARINGS

Pump	*Model*
PK 60-65 PK60-MD	**6201 ZZ / 6201 ZZ**
PK 70-80-90	**6203 ZZ / 6203 ZZ**
PK 100-200-300	**6204 ZZ / 6204 ZZ**

7 CAPACITOR

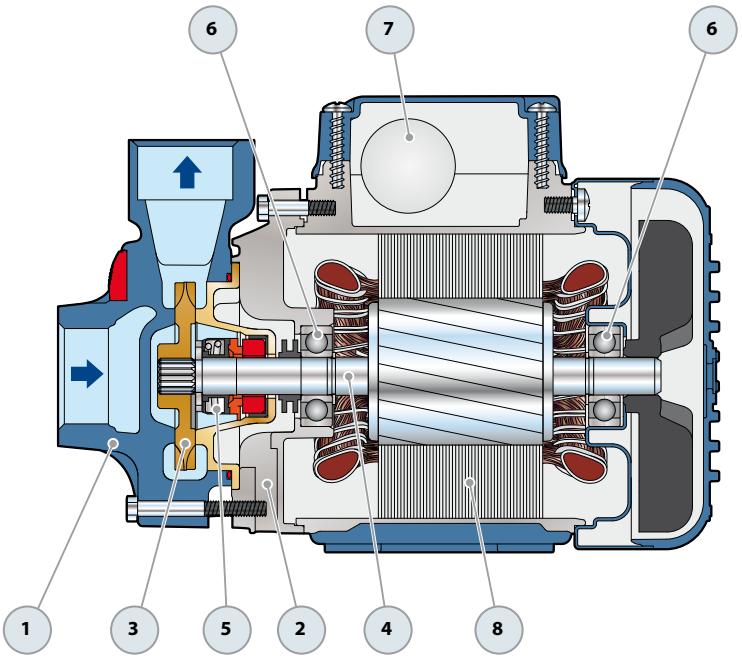
Pump	*Capacitance*	
Single-phase	*(220 V)*	*(110 V or 127 V)*
PKm 60 PKm60-MD	**10** µF - 450 VL	**25** µF - 250 VL
PKm 65	**14** µF - 450 VL	**25** µF - 250 VL
PKm 70	**16** µF - 450 VL	**60** µF - 300 VL
PKm 80	**20** µF - 450 VL	**60** µF - 300 VL
PKm 90	**20** µF - 450 VL	**60** µF - 300 VL
PKm 100	**31.5** µF - 450 VL	**60** µF - 250 VL
PKm 200	**45** µF - 450 VL	**80** µF - 250 VL

8 ELECTRIC MOTOR

PKm: single-phase 220 V - 60 Hz with thermal overload protector incorporated into the winding.
PK: three-phase 220/380 V - 60 Hz or 220/440 V - 60 Hz.

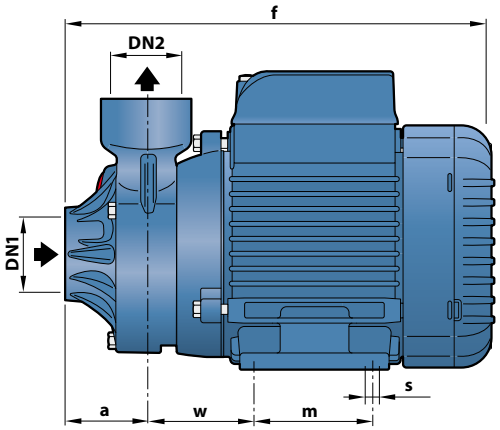
➠ **The three-phase pumps are fitted with high performance motors up to P_2=0.50 kW in class IE2 and from P_2=0.60 kW in class IE3 (IEC 60034-30-1)**

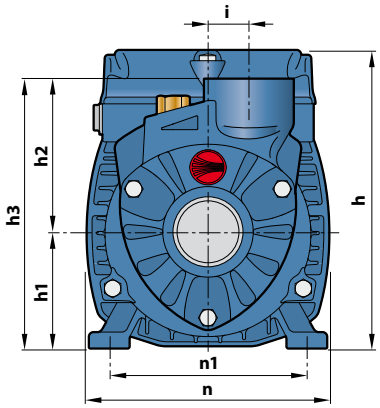
– Insulation: class F
– Protection: IP X4



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DIMENSIONS AND WEIGHT





MODEL		PORTS		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"	39	207	145	56	75	131	20	55	118	93-100	53	7	**5.2**	**5.2**
PKm 60®-MD	**PK 60®-MD**				236	152	63		138		80	120	100			**5.6**	**5.6**
PKm 65	**PK 65**															**7.0**	**6.2**
PKm 70	**PK 70**			55	285	180 *	71	85	156		90	140	112	62		**10.0**	**9.9**
PKm 80	**PK 80**															**10.0**	**9.9**
PKm 90	**PK 90**	¾"	¾"	46	278			84	155	19						**10.0**	**10.0**
PKm 100	**PK 100**	1"	1"	55	350	212	80	94	174	20	100	164	125	85	9	**14.4**	**14.3**
PKm 200	**PK 200**															**15.5**	**15.5**
–	**PK 300**				370											–	**18.1**

(*) h=199 mm for single phase versions at 110V or 127 V

ABSORPTION

MODEL	VOLTAGE		
Single-phase	220 V	110 V	127 V
PKm 60®	**2.6** A	**5.5** A	**5.3** A
PKm 60®-MD	**3.2** A	**6.5** A	**6.0** A
PKm 65	**5.8** A	**11.6** A	**10.0** A
PKm 70	**5.2** A	**10.8** A	**10.0** A
PKm 80	**6.5** A	**13.0** A	**12.0** A
PKm 90	**6.0** A	**12.0** A	**11.0** A
PKm 100	**9.0** A	**18.0** A	**16.5** A
PKm 200	**12.0** A	**24.0** A	**22.3** A

MODEL	VOLTAGE			
Three-phase	220 V	380 V	220 V	440 V
PK 60®	**2.0** A	**1.15** A	**2.1** A	**1.2** A
PK 60®-MD	**2.1** A	**1.2** A	**2.2** A	**1.3** A
PK 65	**3.2** A	**1.85** A	**3.5** A	**2.0** A
PK 70	**3.8** A	**2.2** A	**3.8** A	**2.2** A
PK 80	**3.8** A	**2.2** A	**4.3** A	**2.4** A
PK 90	**4.2** A	**2.4** A	**4.2** A	**2.4** A
PK 100	**6.2** A	**3.6** A	**6.2** A	**3.15** A
PK 200	**9.5** A	**5.6** A	**7.0** A	**4.2** A
PK 300	**10.0** A	**5.8** A	**8.2** A	**4.8** A

PALLETIZATION

MODEL		GROUPAGE	CONTAINER
Single-phase	Three-phase	n. pumps	n. pumps
PKm 60®	**PK 60®**	**240**	**330**
PKm 60®-MD	**PK 60®-MD**	**189**	**243**
PKm 65	**PK 65**	**189**	**243**
PKm 70	**PK 70**	**102**	**170**
PKm 80	**PK 80**	**102**	**170**
PKm 90	**PK 90**	**102**	**170**
PKm 100	**PK 100**	**72**	**96**
PKm 200	**PK 200**	**72**	**96**
–	**PK 300**	**72**	**96**

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