PKm 60®

PEDROLLO®

... the spring of life

PERFORMANCE RANGE

- Flow rate up to **40 l/min** (2.4 m^3/h)
- Head up to **40 m**

APPLICATION LIMITS

- Manometric suction lift up to **8 m**
- Liquid temperature between **-10 °C** and **+60 °C**
- Ambient temperature up to **+45 °C**
- Max. working pressure: **6.5 bar**
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

EN 60335-1	**EN 60335-2-41**	**EN 60034-1**
IEC 60335-1	**IEC 60335-2-41**	**IEC 60034-1**
CEI 61-150	**CEI 61-69**	**CEI 2-3**

CE

CERTIFICATIONS

АИ30 ПРОМТЕСТ - 168 1110

INSTALLATION AND USE

Suitable for use with clean water that does not contain abrasive particles and liquids that are not chemically aggressive towards the materials from which the pump is made. Thanks to their reliability, 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 sets and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

PATENTS - TRADE MARKS - MODELS

- Registered trade mark PKm60 n° 009875394
- Patent Pending
- Motor bracket: patent n° IT1243605 (reduces the risk of the impeller locking after long periods of inactivity)
- Registered EC model n° 001894478

OPTIONALS AVAILABLE ON REQUEST

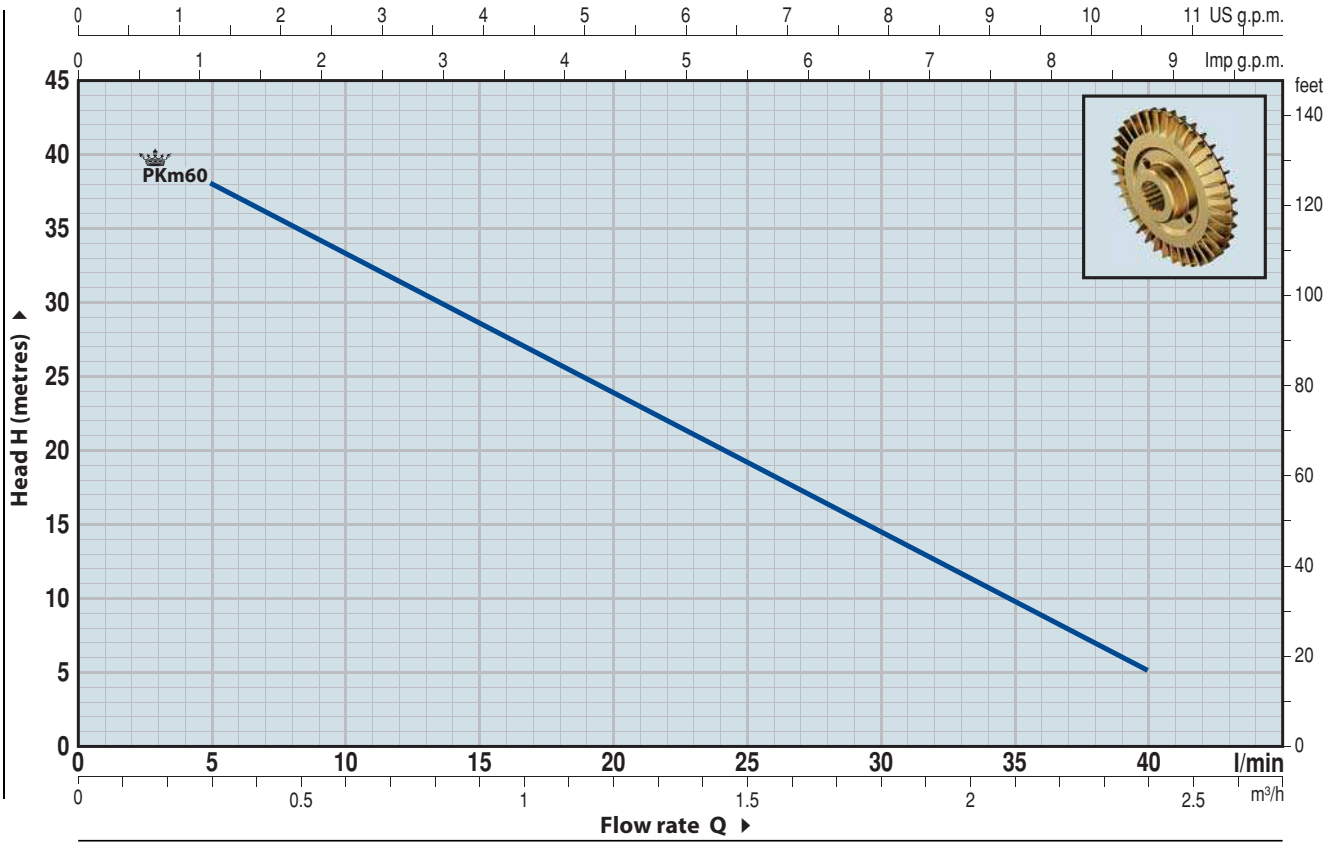
- Special mechanical seal
- Other voltages or 60 Hz frequency

GUARANTEE

1 year subject to our terms and conditions

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m

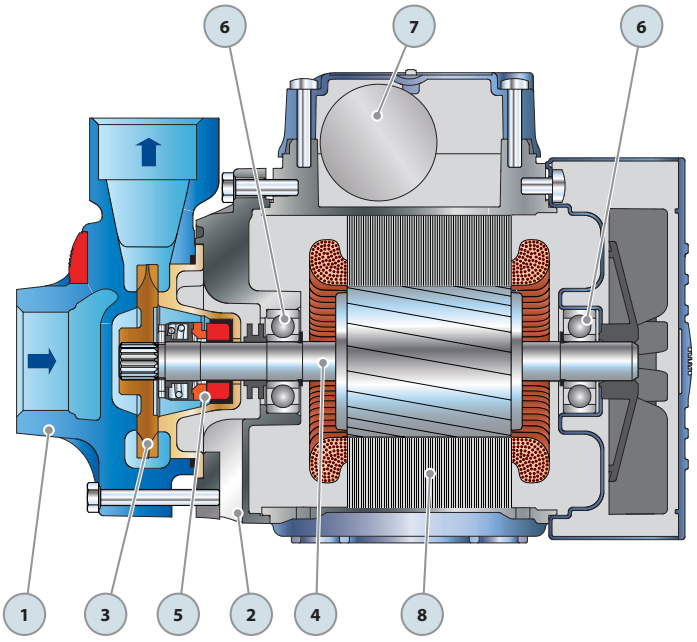


MODEL		POWER		Q									
Single-phase	Three-phase	kW	HP		m^3/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4
					l/min	**0**	**5**	**10**	**15**	**20**	**25**	**30**	**35**	**40**
PKm 60®	PK 60®	0.37	0.50	**H**	metres	40	38	33.5	29	24	19.5	15	10	5

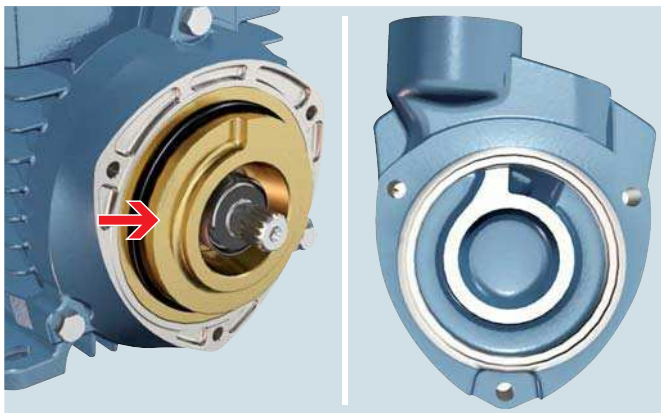
Q = Flow rate **H** = Total manometric head **HS** = Suction height

Tolerance of characteristic curves in compliance with EN ISO 9906 App. A.

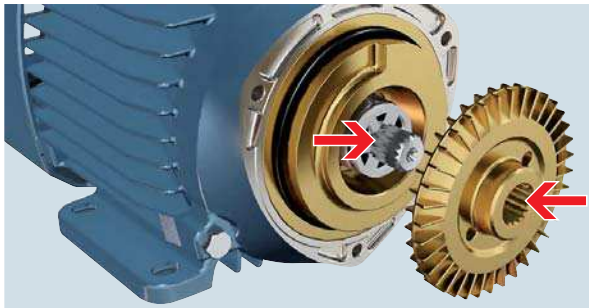
POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
1	**PUMP BODY**	Cast iron, complete with threaded ports in compliance with ISO 228/1
2	**MOTOR BRACKET**	Aluminium with brass insert (patented), reduces the risk of impeller seizure
3	**IMPELLER**	Brass, with peripheral radial vanes
4	**MOTOR SHAFT**	Stainless steel EN 10088-3 - 1.4104
5	**MECHANICAL SEAL**	***Seal*** / ***Shaft***
		Model / ***Diameter***
		AR-12 / **Ø 12** mm
		Materials
		Stationary ring / *Rotational ring* / *Elastomer*
		Ceramic / Graphite / NBR
6	**BEARINGS**	***Model: 2 x* 6201 ZZ**
7	**CAPACITOR**	***Capacitance***
		(230 V or 240 V) / ***(110 V)***
		10 µF 450 VL / **25** µF 250 VL
8	**ELECTRIC MOTOR**	**PKm**: single-phase 230 V - 50 Hz with thermal overload protector built-in to the winding.
		PK: three-phase 230/400 V - 50 Hz.
		– Insulation: F class.
		– Protection: IPX4.



INNOVATIONS



IMPROVED ANTI-SEIZURE SYSTEM
Freedom from seizure is guaranteed by:
- Motor bracket in aluminium incorporating patented brass insert
- Pump body electrostatically powder coated internally and externally with epoxy powder and polymerization at high temperature for increased resistance to rust.



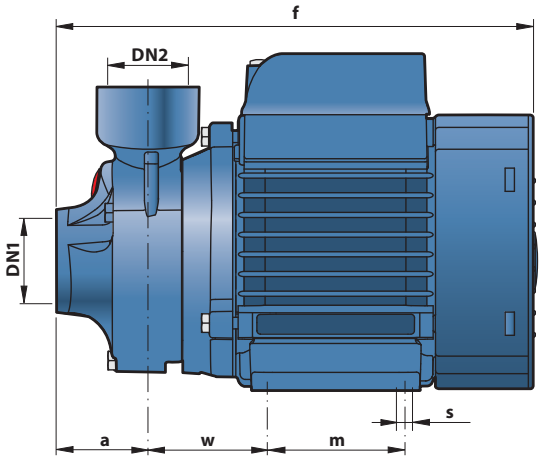
IMPROVED IMPELLER LOCATION
New patented splined coupling system for locating the impeller on the shaft giving quieter operation and improved durability

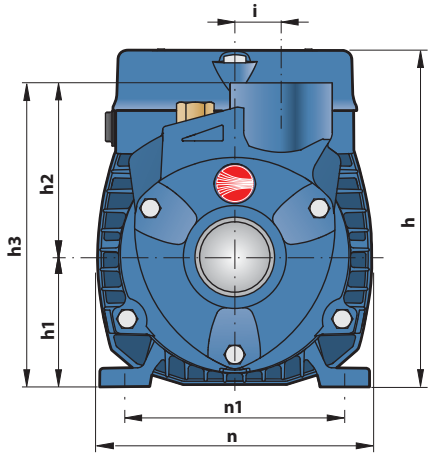
IMPROVED EFFICIENCY MOTOR
A new concept in electric motors with reduced operating temperature (-20°C) that improves the operating life, and better efficiency for reduced energy consumption.

MORE COMPACT DESIGN
- More compact but with the same performance and connections as the previous model
- Allows more pumps to be packed per shipping container

IMPROVED PAINT PROTECTION
New paint process with resistance to aggressive environments four times better than previously

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	96	53	7	**5.2**	**5.2**

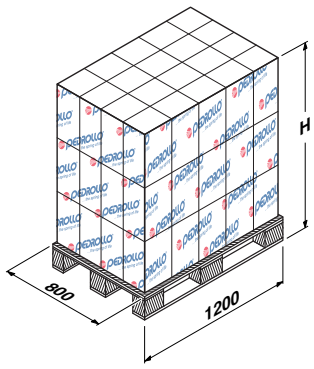
ABSORPTION

MODEL	VOLTAGE (single-phase)		
Single-phase	230 V	240 V	110 V
PKm 60®	**2.5** A	**2.4** A	**5.5** A

MODEL	VOLTAGE (three-phase)			
Three-phase	230 V	400 V	240 V	415 V
PK 60®	**2.0** A	**1.15** A	**1.9** A	**1.1** A

PALLETIZATION

MODEL		GROUPAGE				CONTAINER			
		n°	H	kg		n°	H	kg	
Single-phase	Three-phase	pumps	(mm)	1~	3~	pumps	(mm)	1~	3~
PKm 60®	PK 60®	**231**	1240	1230	1230	**363**	1870	1905	1905



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