Pumps with peripheral impeller

Clean water

Domestic use

PERFORMANCE RANGE

- Flow rate up to 1,426 GPH
- Head up to **328 ft**

APPLICATION LIMITS

- Manometric suction lift up to **26.24 ft**
- Liquid temperature between **14 °F** and **+140 °F**
- Ambient temperature up to **113 °F**
- Max. working pressure:
  – **6 bar**
- 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
ISO 14001: ENVIRONMENT

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

- Registered Trade Mark n. 009875394 PKm 60®
- Motor bracket: patent n. IT1243605
- Shaft: patent n. 0000275945 (PK60, PK65)
- Pump body: patent n. 0000275946 (PK60, PK65)
- Registered EU Design n. 01894478

OPTIONS AVAILABLE ON REQUEST

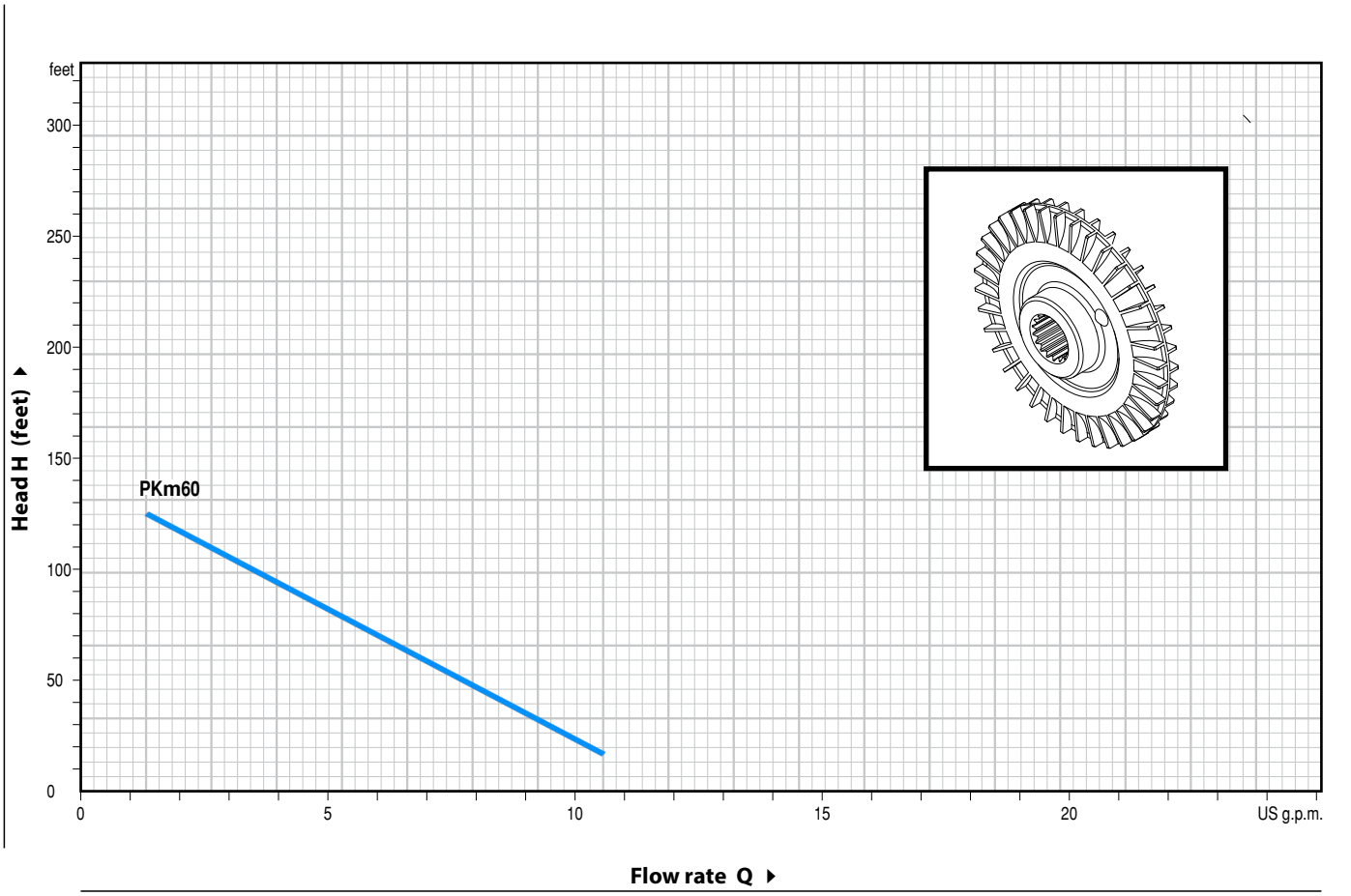
- Special mechanical seal
- Other voltages

GUARANTEE

2 years subject to terms and conditions

CHARACTERISTIC CURVES AND PERFORMANCE DATA

60 Hz **n= 3450 rpm** HS= 0 m



MODEL		POWER (P2)		Q US g.p.m.	0	1	2	3	4	5	6	7	8	9	10	11
Single-phase	Three-phase	kW	HP													
PKm 60®	PK 60®	0.37	0.50	H feet	131	128	116	105	93	81	70	59	47	35	22	10

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

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

POS. COMPONENT — CONSTRUCTION CHARACTERISTICS

POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
1	**PUMP BODY**	Cast iron with an Epoxy Electro Coating treatment, 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

Pump	*Seal*	*Shaft*	*Materials*		
Model	*Model*	*Diameter*	*Stationary ring*	*Rotational ring*	*Elastomer*
PKm 60	**AR-12**	**Ø 12** mm	Ceramic	Graphite	NBR

6 BEARINGS

Pump	*Model*
PKm 60	**6201 ZZ / 6201 ZZ**

7 CAPACITOR

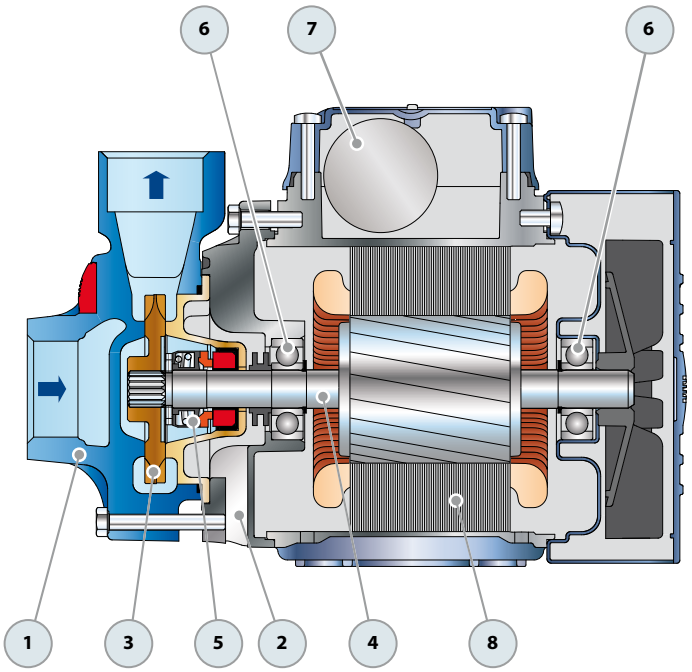
Pump	*Capacitance*	
Single-phase	*(230 V)*	*(115 V or 127 V)*
PKm 60	**10** µF - 450 VL	**25** µF - 250 VL

8 ELECTRIC MOTOR

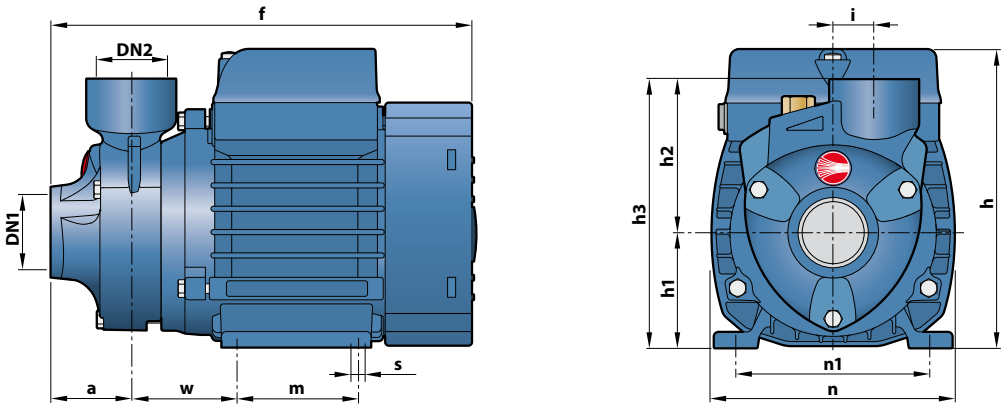
PKm: single-phase 115 V - 60 Hz with thermal overload protector incorporated into the winding.
PK: three-phase 230/380 V - 60 Hz or 230/460 V - 60 Hz.

➠ **The three-phase pumps are fitted with high performance motors up to P_2=1.1kW in class IE2 and from P_2=1.5kW in class IE3 (IEC 60034-30)**

– Insulation: class F
– Protection: IP X4



DIMENSIONS AND WEIGHT



MODEL		PORTS(in.)		DIMENSIONS mm												lb	
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	**11.5**	**11.5**

ABSORPTION

MODEL	VOLTAGE		
Single-phase	230 V	115 V	127 V
PKm 60®	**2.6** A	**5.7** A	**5.3** A

MODEL	VOLTAGE			
Three-phase	230 V	380 V	230 V	460 V
PK 60®	**2.0** A	**1.15** A	**2.1** A	**1.2** A

PALLETIZATION

MODEL		GROUPAGE	CONTAINER
Single-phase	Three-phase	n. pumps	n. pumps
PKm 60®	PK 60®	**240**	**330**