

SELF-PRIMING PERIPHERAL PUMP SERIES

WORKING PRINCIPLE

The series consists of SELF-PRIMING PERIPHERAL PUMPS :peripheral because the peripheral edge of the impeller contains numerous radial blades ,designed to yield energy to the fluid being pumped and self-priming because the particular design of the pump body ensures the elimination of any entrained air in the suction piping .The recirculation of the pumped fluid induced by the particular shape of the pump body permits the self-priming effect ,extracting and air in the opening ,ensuring an even ,non-pulsing flow and high pressures with particularly steep curves.

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 ,compact ,economical and simple to use ,they are particularly suitable for domestic and industrial applications such as water supply for recirculation in air conditioners and refrigerators ,industrial water uses in general ,and the automatic distribution of water from surge tanks ,watering gardens ,lifting water from tanks or wells down to 9 m depth .the pump is supplied with a check valve on the suction side so that no foot valve is required.

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

PERFORMANCE

The range of pumps in the series satisfies the most various operating requirements with features such as:

- high heads with respect to power requirements;
- stable operating curves ,with small variations in delivery rates with respect to large variations in the pressure demand;
- high tolerance of the presence of entrained air in the liquid be pumped;
- suction capacity up to 9 meters.

CONSTRUCTION AND SAFETY STANDARDS:



PKS SELF-PRIMING PERIPHERAL PUMP

STRUCTURAL CHARACTERISTICS

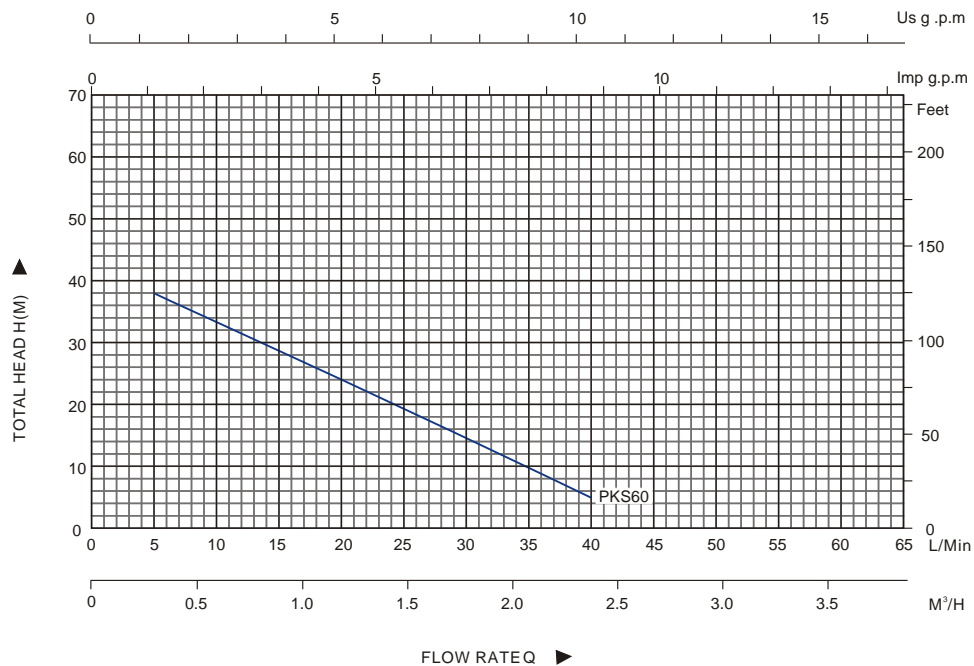
- PUMP BODY:
 - **cast iron**, with UIN ISO 228/1 gas threaded suction and delivery openings.
 - CHECK VALVE: **built into the suction opening**,
- MOTOR BRACKET:
 - **aluminium** with front **brass** insert; reducing difficulties when starting the pump after long periods without use, due to the impeller blocking.
- IMPELLER: brass.
- MOTOR SHAFT: **AISI 314 stainless steel**,
- MECHANICAL SEAL: **ceramic and graphite**,
- MOTOR:
 - the pumps are coupled to an asynchronous, high efficiency **USR** induction motor of suitable size, which is quiet, closed and externally ventilated, suitable for continuous duty. INSULATION class B (Class F)
 - The thermal cutout replay (motor protector) is incorporated in all single phase motors.**
 - Three phase motors require an adequate external motor protector, with connections according to current standards.
- PROTECTION: **IP 44**.



WARRANTY: 1 YEAR

(according to our general sales conditions),

OPERATING LIMITS: Fluid temperature up to +40°C
 Maximum ambient temperature +40°C



MODEL	POWER		MAX.FLOW L/Min	MAX.HEAD M	MAX.SUCT M	INLET/OUTLET IN	GW Kg	PACKING DIMENSION Mm	QUANTITY Set
	kW	HP							
PKS60	0.37	0.50	40	40	9	1" x 1"	6.5	240*170*195	3200

GP SELF-PRIMING PERIPHERAL PUMP SERIES

STRUCTURAL CHARACTERISTICS

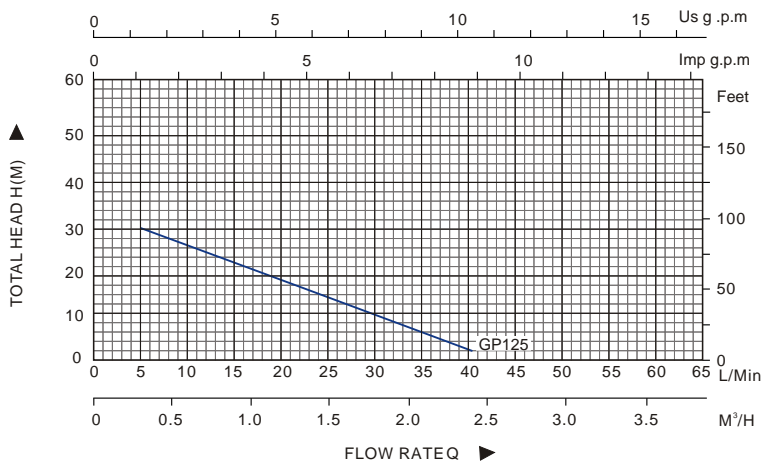
- PUMP BODY: **cast iron**, with UIN ISO 228/1 gas threaded suction and delivery openings.
- CHECK VALVE: **built into the suction opening.**
- MOTOR BRACKET: **aluminium** with front **brass** insert; reducing difficulties when starting the pump after long periods without use, due to the impeller blocking.
- IMPELLER: **brass.**
- MOTOR SHAFT: **AISI 314 stainless steel,**
- MECHANICAL SEAL: **ceramic and graphite,**
- MOTOR: the pumps are coupled to an asynchronous, high efficiency **USR** induction motor of suitable size, which is quiet, closed and externally ventilated, suitable for continuous duty. **INSULATION class B (Class F)**
The thermal cutout replay (motor protector) is incorporated in all single phase motors.
Three phase motors require an adequate external motor protector, with connections according to current standards.
- PROTECTION: **IP 44.**



WARRANTY: 1 YEAR

(according to our general sales conditions),

OPERATING LIMITS: Fluid temperature up to +40°C
Maximum ambient temperature +40°C



MODEL	POWER		MAX.FLOW L/Min	MAX.HEAD M	MAX.SUCT M	INLET/OUTLET IN	GW Kg	PACKING DIMENSION Mm	QUANTITY Set
	kW	Hp							
GP125	0.45	0.60	40	30	9	1" × 1"	6.8	250*190*200	3000



PS SELF-PRIMING PERIPHERAL PUMP SERIES

STRUCTURAL CHARACTERISTICS

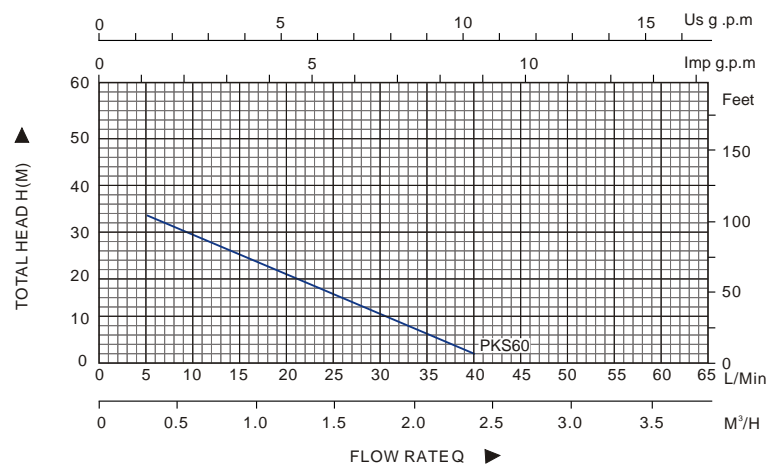
- PUMP BODY: **cast iron**, with UIN ISO 228/1 gas threaded suction and delivery openings.
- CHECK VALVE: **built into the suction opening.**
- MOTOR BRACKET: **cast iron.**
- IMPELLER: **brass.**
- MOTOR SHAFT: **AISI 314 stainless steel,**
- MECHANICAL SEAL: **ceramic and graphite,**
- MOTOR:
 - the pumps are coupled to an asynchronous, high efficiency **USR** induction motor of suitable size, which is quiet, closed and externally ventilated, suitable for continuous duty. **INSULATION class B (Class F)**
 - The thermal cutout relay (motor protector) is incorporated in all single phase motors.**
 - Three phase motors require an adequate external motor protector, with connections according to current standards.
- PROTECTION: **IP 44.**



WARRANTY: 1 YEAR

(according to our general sales conditions),

OPERATING LIMITS: Fluid temperature up to +40°C
Maximum ambient temperature +40°C



MODEL	POWER		MAX.FLOW L/Min	MAX.HEAD M	MAX.SUCT M	INLET/OUTLET IN	GW Kg	PACKING DIMENSION Mm	QUANTITY Set
	kW	Hp							
PS126	0.45	0.60	40	34	9	1" × 1"	6.9	250*205*210	2600