

# K1PS WATER PUMP SETS

**ENGINES: K1 64***Water flow from 10 up to 52 m<sup>3</sup>/hr*

## AIR COOLED WATER PUMP SETS FOR OPERATING CONDITIONS UP TO 40°C (104°F)

*Engine outputs used for the design of the pump sets are continuous ISO 3046 ratings under NTP conditions.*

*The pump sets are designed to ensure optimum performance, taking into account standard operating site conditions.*

*The engine selection is made with at least 20% differential between the power absorbed by the pump and the engine output. This is to take into account extreme site conditions (especially high altitudes). The engine outputs after derating must be checked against the absorbed power by the pump.*

### STANDARD FEATURES

- Lister Petter K Series air cooled diesel engine
- hand start with automatic decompressor
- suitable for ambient temperatures up to 40°C
- engine mounted fuel tank
- operator's handbook
- compact light weight centrifugal self priming water pump
- close coupling arrangement, with anti vibration rubber mounts



**LISTER PETTER K1PS64 WATER PUMP SET**

### OPTIONAL ITEMS

- 12V electric start with charge windings and regulator

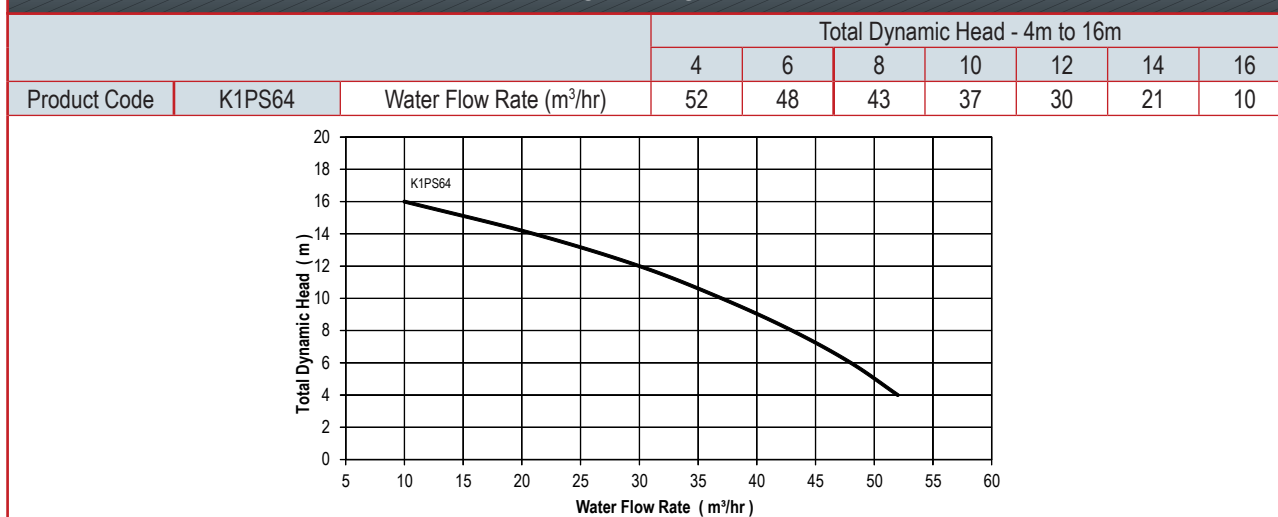
### CAPABILITIES

- see overleaf

**Note:**

*Water pump has integral non-return valve, therefore no foot valve is required on suction pipe, water pump is self priming.*

**PERFORMANCE DATA**

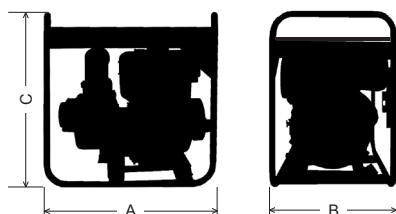


**TECHNICAL DATA**

Product Code	Water Pump Specification				Engine Specification				
	Pump Flange Dimensions				Type	Speed, rpm	Power, kW	Approximate Fuel Consumption	
	Suction Flange		Discharge Flange					litre/hr	US gal/hr
	mm	inches	mm	inches					
K1PS64	75	3	75	3	K164	3000	3.3 <sup>[1]</sup>	0.9	0.23

**STATIONARY CONFIGURATIONS**

Model	Length (A), mm	Width (B), mm	Height (C), mm	Weight, kg
K1PS64	560	450	670	42



**RATING DEFINITIONS TO ISO 3046**

*ISO Standard Conditions*

*Barometric pressure* 100 kPa

*Relative humidity* 30%

*Ambient air temperature at the inlet manifold* 25°C

**1. Variable Speed - Continuous Power (IFN)**

The power in kW which the engine is capable of delivering continuously at the stated crankshaft speed, under ISO 3046 standard conditions, measured at the flywheel without power absorbing accessories, provided that the engine is overhauled and maintained in good operating condition and that fuel to BS EN 590 Class A1 or A2, and lubricating oils to the correct performance specification and viscosity classification as recommended by Lister Petter Limited are used

**2. Variable Speed (Fuel Stop) - Overload Power (IOFN)**

The maximum power in kW which the engine is capable of delivering intermittently at the stated crankshaft speed for a period not exceeding one hour in any period of twelve hours of continuous running, immediately after working at the continuous power, under ISO 3046 standard conditions and with the provisions specified for continuous power in item (1) above, but with the fuel limited so that the fuel stop power cannot be exceeded.

**3. Derating**

For non-standard site conditions, reference should be made to relevant BS, ISO & DIN standards.

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