













KEYPOWER Pump sets:

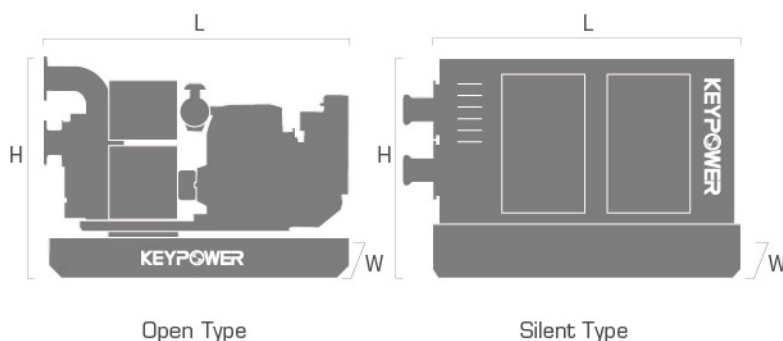
KEYPOWER Pump sets are CE certified self-priming dewater pump. It's designed for use in the industry's most challenging construction, municipal, irrigation, industrial and emergency response applications. This rugged pump is ideally suited for tough dewatering jobs, and is the reliable choice for rental solutions.

**12" SELF-PRIMING PUMP SET
 MAIN TECHNICAL DATA**

	Pump set model	KPPW12	
	Prime type	Wet	
	Max. Flow	m ³ /h	1570
	Max. Head	m	72
	Max. Suction	m	7
	Solid handling	mm	76
	Engine type	Water cooled	
	Engine fuel	Diesel	
	Speed	rpm	1800
	Noise level	dB(A)@7m	85-90
	Fuel tank	L	700



Dimension and Weight



DIMENSION		OPEN TYPE	SILENT TYPE
 Length (L)	mm	4050	4600
 Width (W)	mm	1400	1600
 Height (H)	mm	2250	2250
 Weight	kg	4300	5000

KEYPOWER has the right to modify any feature without prior notice. Weights and dimensions based on standard products. Illustrations may include optional equipment. Technical data described in this catalogue correspond to the available information at the moment of printing. The illustrations and images are indicative and may not coincide in their entirety with the product. Industrial design under patent.



Engine Specifications

ENGINE	Cummins®
Engine model	QSZ13-P450
Number of cylinders	6
Cylinder arrangement	Vertical in-line
Cycle	4 stroke
Aspiration	Turbocharged Air-Air aftercool
Bore x Stroke	130x163 mm
Displacement	13 L
Compression ratio	17.1:1
Prime power/Speed	340/1800 (kW/RPM)
Cooling system (open type)	40°C radiator
Cooling system (silent type)	50°C radiator

ENGINE	Cummins®
Speed governor	ECU
Total lubrication system capacity	33 L
Coolant capacity (without radiator)	23.1 L
Speed stability (%)	≤10%
Start type	Electronic
Maximum exhaust temperature	483°C
Exhaust gas flow	24 kg/min
Maximum allowed back pressure	TBD
Combustion air flow	23 L/s
Cooling air flow	TBD
Fuel consumption	62 L/h @ 80% load



Features:

- Diesel engine
- 4-stroke cycle
- Water-cooled
- Dry air filter
- Radiator with pusher fan
- Moving parts protection
- Radiator water level sensor (Optional)
- 55 degree radiator (Optional)
- Jacket coolant heater (Optional)
- Lube oil heater (Optional)
- Engine filter heater (Optional)
- Fuel inlet line heater (Optional)
- Heavy duty air filter (Optional)



Pump Specifications

PUMP HEAD	
Pump model	KP12ZW1400-53
Operating speed	1800 RPM
Shaft power	290 kW
Max. suction head	7 m
Pump casing	Ductile iron

PUMP HEAD	
Impeller	Ductile iron
Impeller diameter	457 mm (18")
Pump shaft material	Cast iron
Shaft seals type	Mechanical seal
Efficiency	0.76



Options:

- Impeller: stainless steel
- Bearing: low alloy steel 4140
- Bauer coupling
- PVC hose
- Trailer
- Water level switch



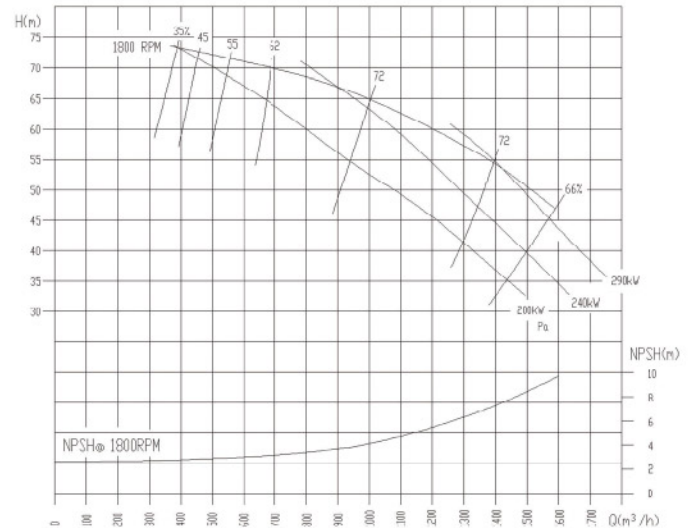
Pump Performance Curve

Tested according to EN 150 9906 Grade 2

- Test liquid: water. density 1000 kg/m³;
- Spherical solids handling: D 76mm
- Impeller diameter: 457 mm



	Q Capacity (m ³ /h)	H Head (m)	n Speed (r/min)	Power (kW)		η Efficiency (%)	NPSH _r (m)
				P _a Shaft Power	N Motor Power		
				1800	MAX 290	MAX 315	MAX 72



Features:

- Smartgen HEM4100
- Speed
- Water temperature
- Oil pressure
- Charging voltage
- Fuel level
- Hour counter



NO.	KEY
①	Stop / Reset
②	Auto
③	Manual
④	Speed
⑤	Start
⑥	Up / Increase
⑦	Set / Confirm
⑧	Down / Decrease
⑨	Alarm indicator
⑩	Status indicator
⑪	Stop mode indicator
⑫	Auto mode indicator
⑬	Manual mode indicator
⑭	Speed indicator