



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	m³/h	1400
	Max. Head	m	53
	Max. Suction	m	7
	Solid handling	mm	76
	Engine type	Water cooled	
	Engine fuel	Diesel	
	Speed	rpm	1450
	Noise level	dB(A)@7m	80-85
	Fuel tank	L	450



PORTABLE



DIESEL FUEL



WATER-COOLED



SOUNDPROOF



CERTIFICATION

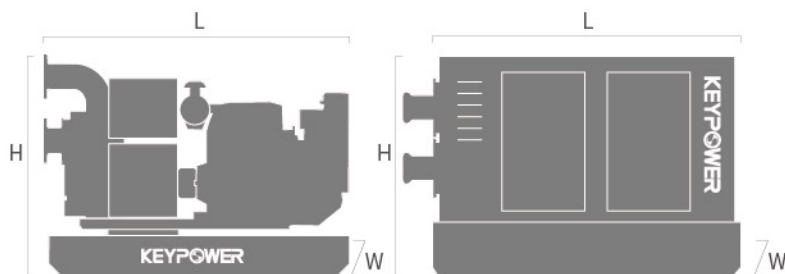


ISO 9001



STACKABLE

Dimension and Weight



Open Type

Silent Type

DIMENSION		OPEN TYPE		SILENT TYPE
	Length (L)	mm	3600	4150
	Width (W)	mm	1050	1100
	Height (H)	mm	1900	2000
	Weight	kg	2400	3000

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	6LTAA8.9-P310
Number of cylinders	6
Cylinder arrangement	Vertical in-line
Cycle	4 stroke
Aspiration	Turbocharged Air-Air aftercool
Bore x Stroke	114x145 mm
Displacement	8.9 L
Compression ratio	16.6:1
Prime power/Speed	230/1500 (kW/RPM)
Cooling system (open type)	40°C radiator
Cooling system (silent type)	50°C radiator

ENGINE	Cummins®
Speed governor	Electronic
Total lubrication system capacity	27.6 L
Coolant capacity (without radiator)	11.1 L
Speed stability (%)	≤10%
Start type	Electronic
Maximum exhaust temperature	533°C
Exhaust gas flow	1001 kg/min
Maximum allowed back pressure	TBD
Combustion air flow	215 L/s
Cooling air flow	198 L/min
Fuel consumption	40.6 L/h @ 75% 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	KP12ZW1100-37
Operating speed	1450 RPM
Shaft power	158 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

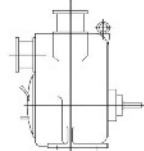


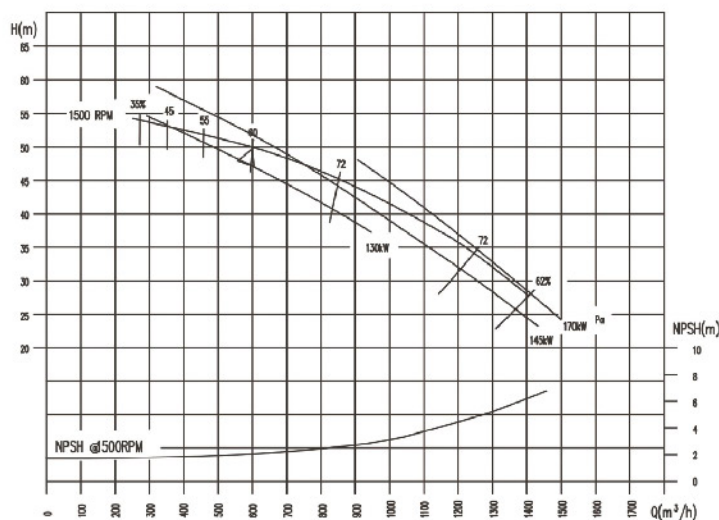
Tested according to EN 150 9906 Grade 2

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



Pump Performance Curve

	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		
				MAX 170	MAX 230		



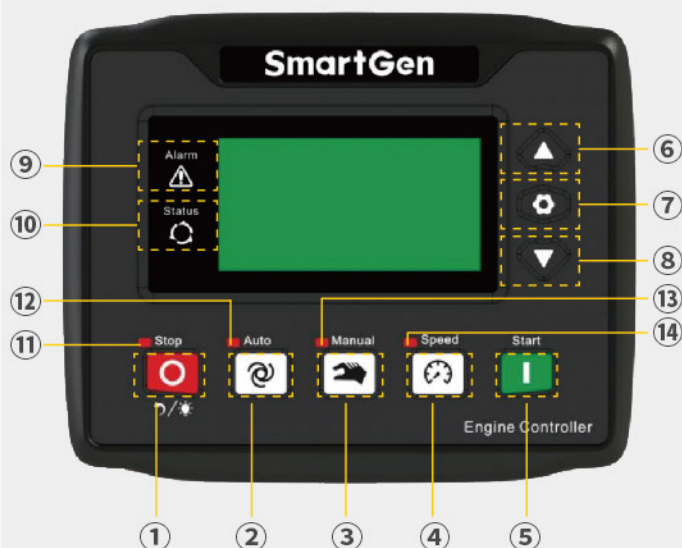
Features:

- Smartgen HEM4100

- Speed
- Water temperature
- Oil pressure

- Charging voltage
- Fuel level
- Hour counter

CONTROLLER



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