



KEYPOWER Pump sets:

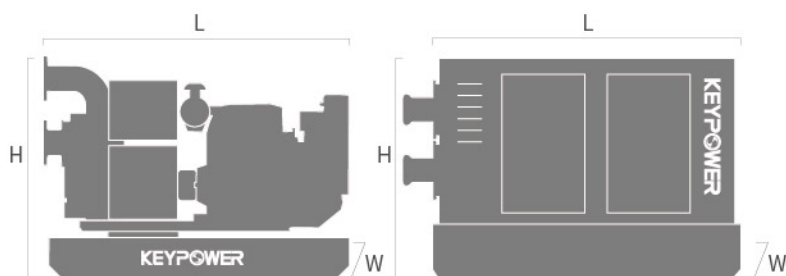
KEYPOWER Pump sets are CE certified self-priming dewater pump. it's designed for use in the industry's most challenging construction, municipal, irrigation, industrial and emergency response applications. This rugged pump is ideally suited for tough dewatering jobs, and is the reliable choice for rental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

4" SELF-PRIMING PUMP SET MAIN TECHNICAL DATA

	Pump set model	KPPW4	
	Prime type	Wet	
	Max. Flow	m³/h	165
	Max. Head	m	28
	Max. Suction	m	7
	Solid handling	mm	76
	Engine type	Water cooled	
	Engine fuel	Diesel	
	Speed	rpm	1750
	Noise level	dB(A)@7m	65-70
	Fuel tank	L	80



Dimension and Weight



Open Type

Silent Type

DIMENSION		OPEN TYPE		SILENT TYPE
	Length (L)	mm	1800	2250
	Width (W)	mm	860	960
	Height (H)	mm	1375	1500
	Weight	kg	660	950

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	Perkins®
Engine model	404D-22G
Number of cylinders	4
Cylinder arrangement	Vertical in-line
Cycle	4 stroke
Aspiration	Naturally aspirated
Bore × Stroke	84×100 mm
Displacement	2.216 L
Compression ratio	23.3:1
Prime power/Speed	22/1800 (kW/RPM)
Cooling system (open type)	40°C radiator
Cooling system (silent type)	50°C radiator

ENGINE	Perkins®
Speed governor	Mechanical
Total lubrication system capacity	10.6 L
Coolant capacity (without radiator)	3.6 L
Speed stability (%)	≤5%
Start type	Electronic
Maximum exhaust temperature	440°C
Exhaust gas flow	4.34 m³/min
Maximum allowed back pressure	TBD
Combustion air flow	1.74 m³/min
Cooling air flow	58.7 l/min
Fuel consumption	4.8 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	KP4ZW130-20
Operating speed	1750 RPM
Shaft power	14.9 kW
Max. suction head	7 m
Pump casing	Ductile iron

PUMP HEAD	
Impeller	Ductile iron
Impeller diameter	248 mm (9.75")
Pump shaft material	Cast iron
Shaft seals type	Mechanical seal
Efficiency	0.5



Options:

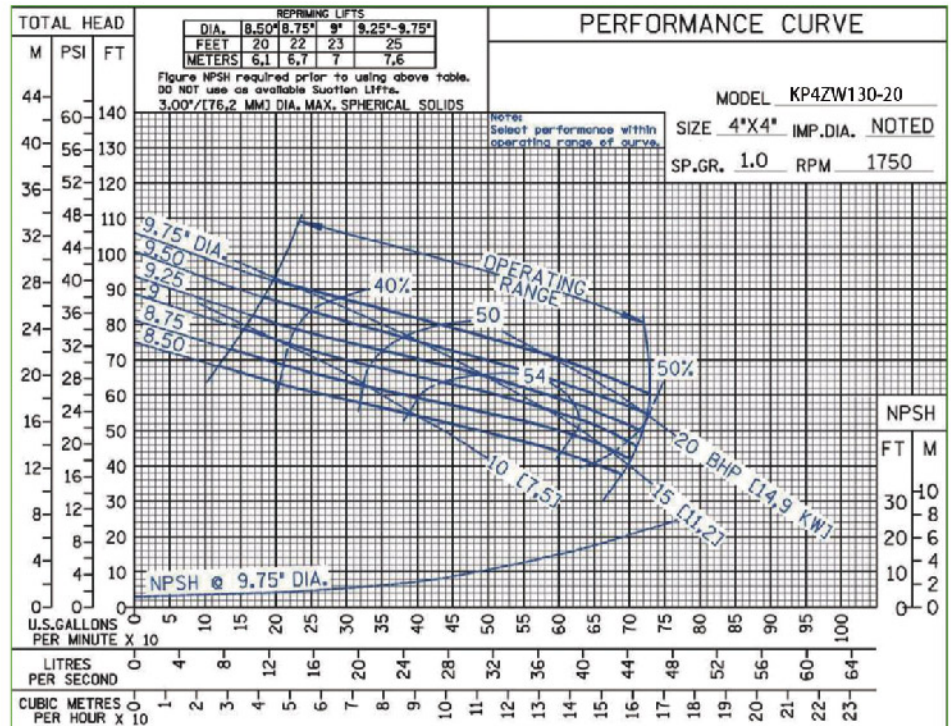
- Impeller: stainless steel
- Bearing: low alloy steel 4140
- Bauer coupling
- PVC hose
- Trailer
- Water level switch



Pump Performance Curve

Tested according to EN 150 9906 Grade 2

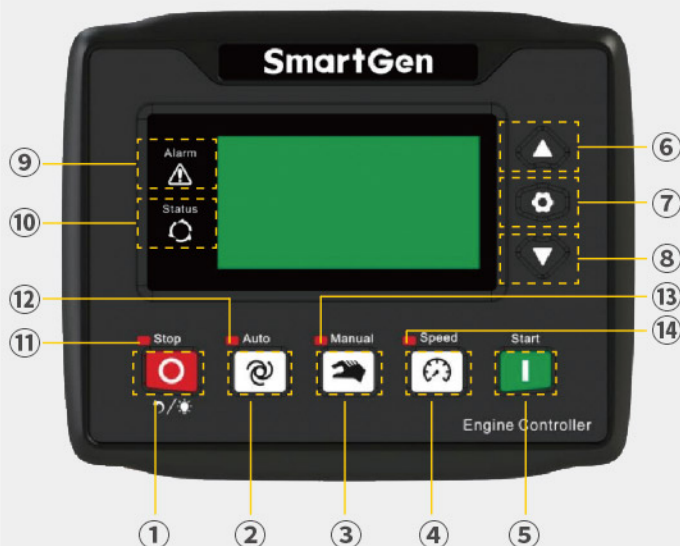
- Test liquid: water. density 1000 kg/m³;
- Spherical solids handling: D 76mm
- Impeller diameter: 248 mm



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