



**KEYPOWER Pump sets:**

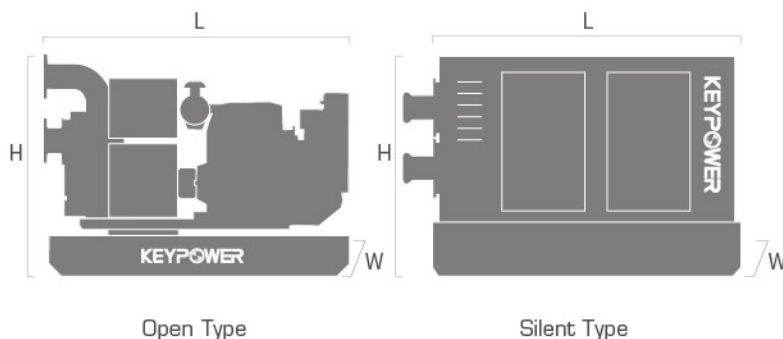
KEYPOWER Pump sets are CE certified self-priming dewater pump. It's designed for use in the industry's most challenging construction, municipal, irrigation, industrial and emergency response applications. This rugged pump is ideally suited for tough dewatering jobs, and is the reliable choice for rental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

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

	Pump set model	KPPW8	
	Prime type	Wet	
	Max. Flow	m <sup>3</sup> /h	550
	Max. Head	m	36
	Max. Suction	m	7
	Solid handling	mm	76
	Engine type	Water cooled	
	Engine fuel	Diesel	
	Speed	rpm	1450
	Noise level	dB(A)@7m	72-75
	Fuel tank	L	120



**Dimension and Weight**



DIMENSION		OPEN TYPE	SILENT TYPE
	Length (L)	mm 2250	2750
	Width (W)	mm 860	1100
	Height (H)	mm 1675	1800
	Weight	kg 1400	1750

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	4BTA3.9-P80
Number of cylinders	4
Cylinder arrangement	Vertical in-line
Cycle	4 stroke
Aspiration	Turbocharged aftercooled
Bore × Stroke	102×120 mm
Displacement	3.9 L
Compression ratio	17.3:1
Prime power/Speed	58/1500 (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	10.9 L
Coolant capacity (without radiator)	7.2 L
Speed stability (%)	≤10%
Start type	Electronic
Maximum exhaust temperature	535°C
Exhaust gas flow	270.21 kg/min
Maximum allowed back pressure	TBD
Combustion air flow	55 L/s
Cooling air flow	96 L/min
Fuel consumption	11.4 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	KP8ZW430-25
Operating speed	1450 RPM
Shaft power	44.7 kW
Max. suction head	7 m
Pump casing	Ductile iron

PUMP HEAD	
Impeller	Ductile iron
Impeller diameter	362 mm (14.25")
Pump shaft material	Cast iron
Shaft seals type	Mechanical seal
Efficiency	0.63



### Options:

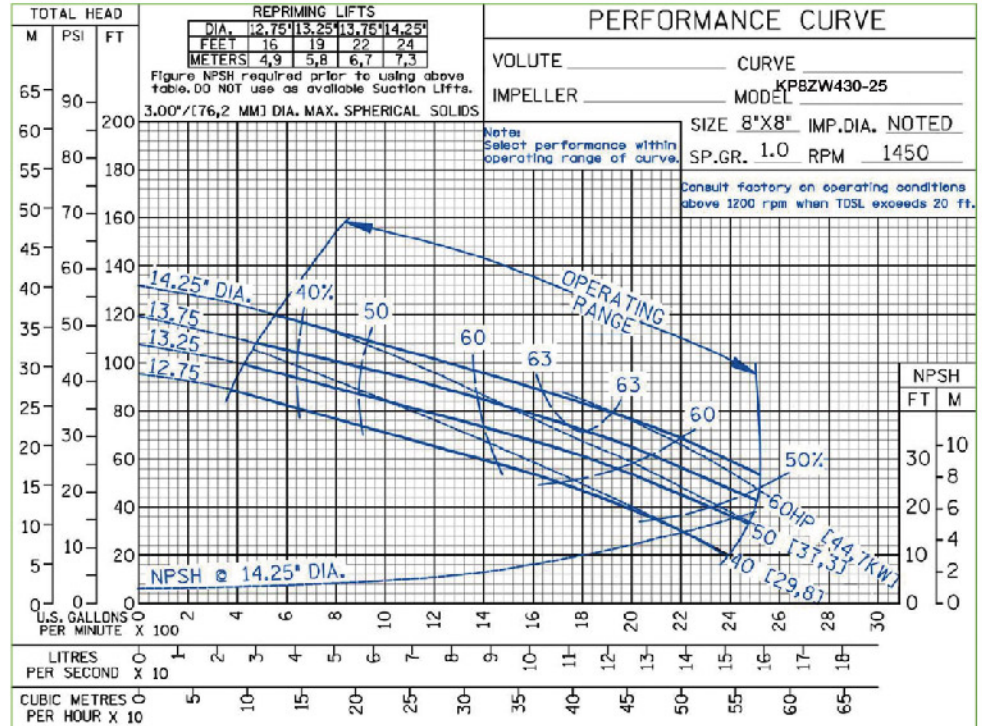
- Impeller: stainless steel
- Bearing: low alloy steel 4140
- Bauer coupling
- PVC hose
- Trailer
- Water level switch



## Pump Performance Curve

### Tested according to EN 150 9906 Grade 2

- Test liquid: water. density 1000 kg/m<sup>3</sup>;
- Spherical solids handling: D 76mm
- Impeller diameter: 362 mm



### 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