













KEYPOWER Pump sets:

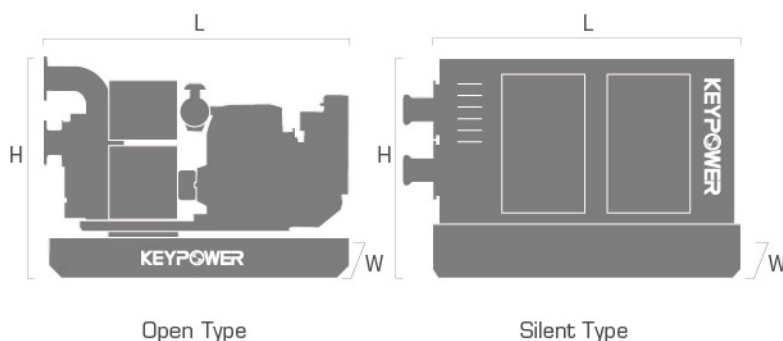
KEYPOWER Pump sets are CE certified self-priming dewater pump. It's designed for use in the industry's most challenging construction, municipal, irrigation, industrial and emergency response applications. This rugged pump is ideally suited for tough dewatering jobs, and is the reliable choice for rental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





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

| | | | |
|---|----------------|-------------------|-------|
|  | Pump set model | KPPW12 | |
|  | Prime type | Wet | |
|  | Max. Flow | m ³ /h | 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 |



Dimension and Weight



| 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 |



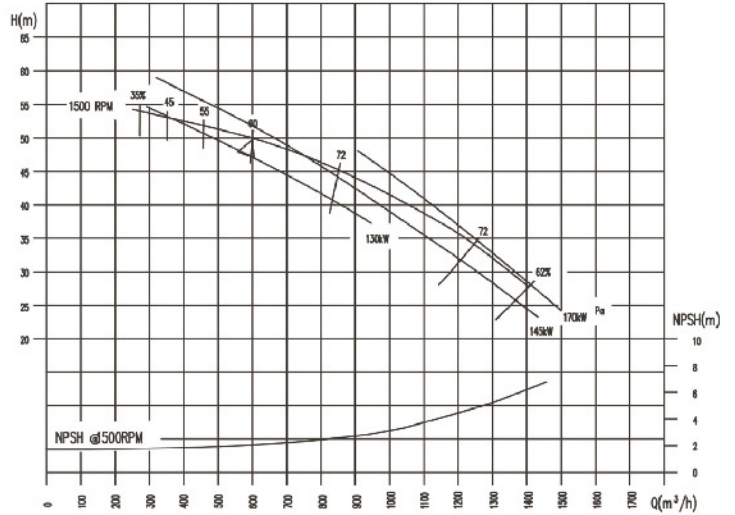
Options:

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



Pump Performance Curve

| Q Capacity (m³/h) | H Head (m) | n Speed (r/min) | Power (kW) | | η Efficiency (%) | NPSH _r (m) |
|-------------------------|------------------|-----------------------|-------------------------------|------------------|------------------------|--------------------------|
| | | | P _a Shaft Power | N Motor Power | | |
| | | | | MAX 170 | | |



Tested according to EN 150 9906 Grade 2

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