

SPDW DRY SELF PRIMING PUMP

PUMP SPECIFICATIONS:

- Type: Dry self priming pump
- Model: SPDW150
- Flow: 300 m³/h
- Head: 30-35 m
- Solid handling: up to 48 mm
- Suction/Discharge size: 150 mm
- Impeller type: Semi-open
- Priming system: Tongke RV60
- Engine: CUMMINS
- Emission standard: None (Optional EUIII)
- Trailer: two wheels (Optional four wheels)
- Brake: Mechanical hand brake (Optional)
- Canopy: Rain-proof for diesel engine or whole pump set (Optional)



FEATURES:

Auto prime pump

The SPDW range of pumps has been designed with a clear focus on reliability, efficiency and durability. Featuring a 100% mechanical priming system, the DS series pumps quickly prime and re-prime, even from dry conditions. The heavy build style of both pump and canopy make the SPDW range perfect for use in the strenuous contractor market.

World-class performance

The SPDW range is built to be deployed on the most demanding dewatering and sewage bypassing applications. Using high efficiency pumps and state-of-the-art diesel engines, the pumps offer maximum performance at minimal cost, fully in-sync with the company philosophy of "Lowest cost of ownership".

Complete package design

- Complete in-house design & production
- Over 20 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

Sustainability

- High efficiency pumps minimizing fuel consumption
- Emissions in accordance with EU stage & US EPA Tier regulations
- Corrosion free hot dip galvanized frame
- Corrosion free epoxy cover panel
- 100% Oil-spill free priming system

Pre-sale service

- Inquiry and consulting support, 20 years pump technical experience
- One to one sales engineer technical service
- Hot-line of service is available in 24h, responded in 8h

After-sale service

- Technical training and equipment evaluation
Installation and debugging troubleshoot
 - Maintenance, update and improvement
 - One year warranty, provide free technical support for whole life of the products
 - Keep whole life contacting with clients, get feedback on use of the equipment and make the quality of the products continually perfected
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TECHNICAL SPECIFICATIONS

Dry self priming pump

Pump casing: Cast iron DIN GG25
Impeller: Stainless steel 304 (Semi-open)
Bearing: NTN or NSK
Shaft: Stainless steel 420
Shaft seal: Mechanical seal
Coupling: Flexible tyre coupling
Seal face: SiC
(Or as per customer's request)



Priming system

Pump type: Vacuum pump
Air handling capacity: 60 m³/h
Max vacuum: 9.5 m
Drive: Tooted belt continuous drive
Priming water tank: Aluminum/Cast iron/Carbon steel
Float box: Stainless steel 304 with polymer
Cooling medium: Water/Fan
Non return valve: Cast iron GG25 with rubber seal



Diesel engine

Engine brand: CUMMINS
Engine model: 4BTA3.9-P90
Power: 67kw
Max.engine speed: 1800rpm
Displacement: 3.9L
Number of cylinders: 4
Cooling system: water cooled
Emission standard: Stage IIIA



Controller

- ◆Manual start/stop system
- ◆Switch Manual/Auto
- ◆Tachometer
- ◆Hour counter
- ◆Warning lights
- ◆Running lights
- ◆Delay stop design



Safety features

- ◆Low oil pressure shut down
- ◆High temperature shut down
- ◆High water temperature shut down
- ◆Over speed shut down
- ◆With charger for battery
- ◆Variable speed control

Fuel systems and batteries

- ◆Base fuel tank for 8hours running
- ◆Mechanical injection fuel
- ◆Inline fuel filter
- ◆Premium quality 12v/24v battery

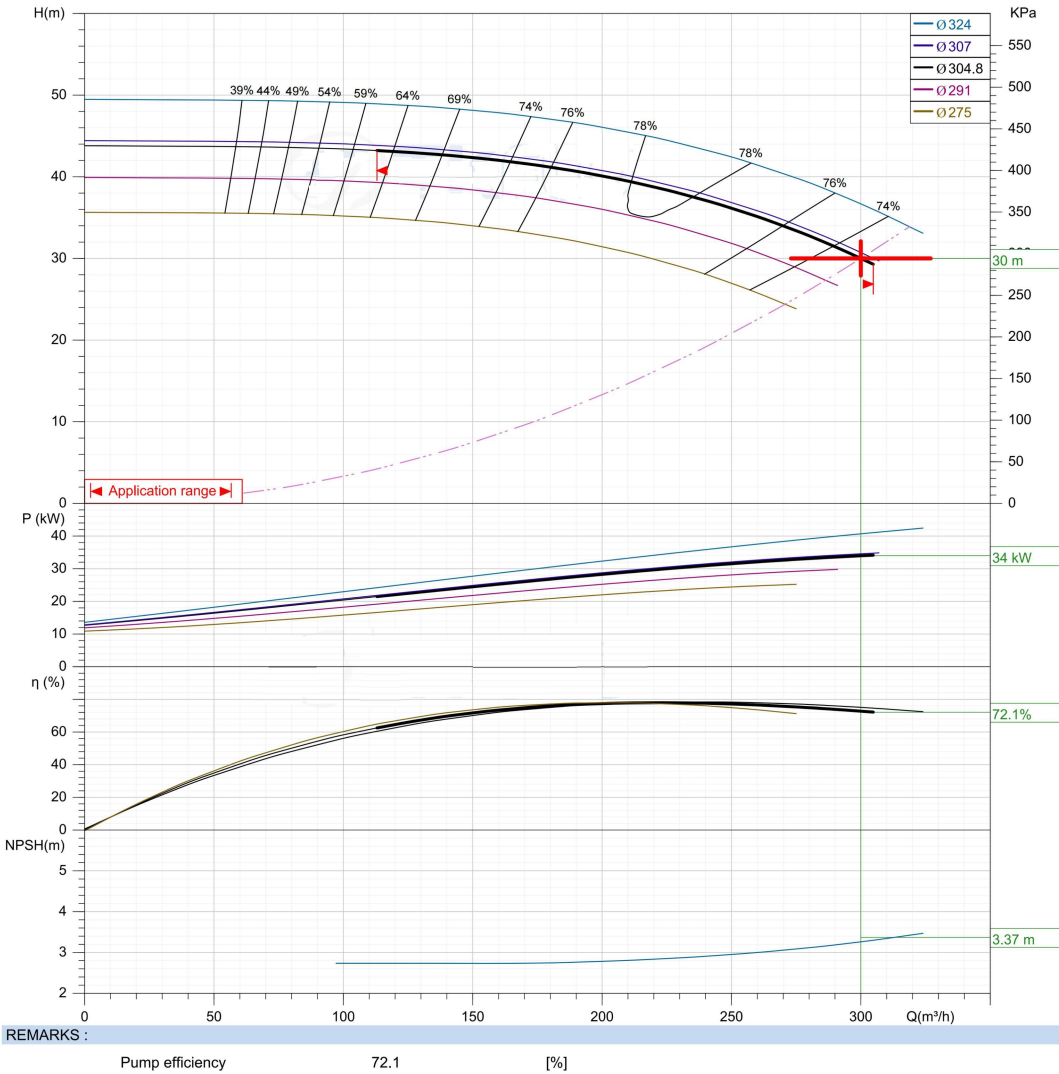


Trailer with towing device

- ◆Two wheels (Optional four wheels)
- ◆Towing device
- ◆Mechanical hand brake(Optional)



Performance Curve						Pump Model	SPDW150
Test standard : ISO9906-2012 -Gr.2B						Last Update	2025/3/26
Customer			Customer reference			Pump type	Dry priming pump
Project name			Plant No.			Based on curve number	PDW150
Item no			Quantity1			Approved by	TONGKE FLOW
Service			Location			TKFLO Reference ID	
Requested Specification Data			Pump				
Capacity	m³/h	300	Operating Capacity	m³/h	300	Running speed	rpm1800
Head	m	30	Operating head	m	30	Pump stage	1
NPSHr	m	3.37	Impeller diameter	mm	304.8	Recommended power	kW67
CURVES ARE APPROXIMATE, PUMP IS GUARANTEED FOR ONE SET OF CONDITIONS; CAPACITY, HEAD, AND EFFICIENCY. MCSF PROVIDES MECHANICAL PROTECTION ONLY. MINIMUM THERMAL FLOW MUST BE CALCULATED FOR THE SPECIFIC FLUID AND OPERATING CONDITIONS.							



NOTES :

PUMP HEAD AND POWER RATING APPLY TO MEDIUM LIQUID WITH THE DENSITY IS 998.3kg/m3 AND THE KINETIC VISCOSITY IS 1 MM/S,20 . actual performance curve on request) WHERE AN ITEM DOESN'T APPLY SHOW N/A