

SPDW AUTO PRIMING PUMP

PUMP SPECIFICATIONS:

- Type: Auto priming pump
- Model: SPDW150 A
- Max. flow: 200m³/h
- Max. head: 20m
- Max solid handling: 50mm
- Suction/Discharge size: 150mm
- Priming system: Vacuum pump
- Engine: CUMMINS
- Trailer: two tyres
- Dimension: 2200*1400*1850mm



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, greater than 75%, 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
- 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



TECHNICAL SPECIFICATIONS

Auto priming pump

Pump casing: SG iron casting (Spheroidal Graphite Iron)

Impeller: Stainless steel 316

Bearing: NTN or NSK

Shaft: Stainless steel 431

Shaft seal: Mechanical seal

Coupling: Flexible tyre type of coupling

Seal face: SIC



Fully auto priming facility

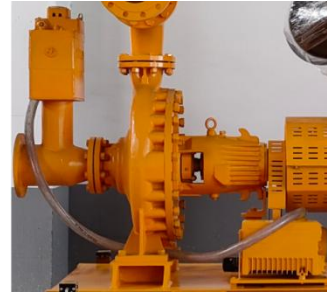
Drive: Tooted belt continuous drive

Priming water tank: Aluminum or Cast iron

Float box: Stainless steel 304 with polymer

Cooling medium: Water

Non return valve: SG iron



Diesel engine

Engine brand: Cummins

Engine model: 4BT3.9-P50

Power: 36kw/50HP

Engine speed: 1800rpm

Displacement: 3.9L

Number of cylinders: 4

Cooling system: water cooled



Controller

- ◆Manual start/stop system
- ◆Start/stop auto system
- ◆Tachometer
- ◆Hour counter
- ◆Warning light
- ◆Running light
- ◆Delay stop design
- ◆Engine control panel with shutdown protection



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
- ◆Emergency stop

Fuel systems and batteries

- ◆Base fuel tank for 10hours running
- ◆Mechanical injection fuel
- ◆Inline fuel filter
- ◆Premium quality 12v/24v battery



Trailer with towing device

- ◆Two tyres
- ◆Carbon steel
- ◆Towing device
- ◆Four adjustable stand



Site condition

Ambient temperature/atmosphere max 50℃ tropical (hot & humid), Relatively humidity Max 100%

**SHANGHAI TONGKE FLOW TECHNOLOGY CO.,LTD**

Pump model

SPDW-150 A

Pump Performance Curve Tolerances ISO9906 -Gr.2

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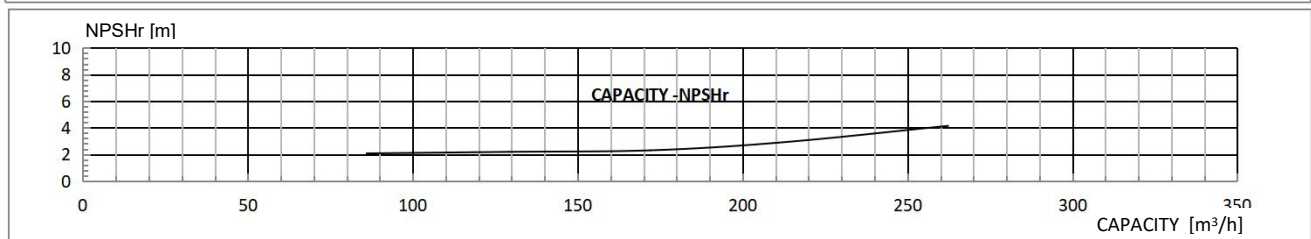
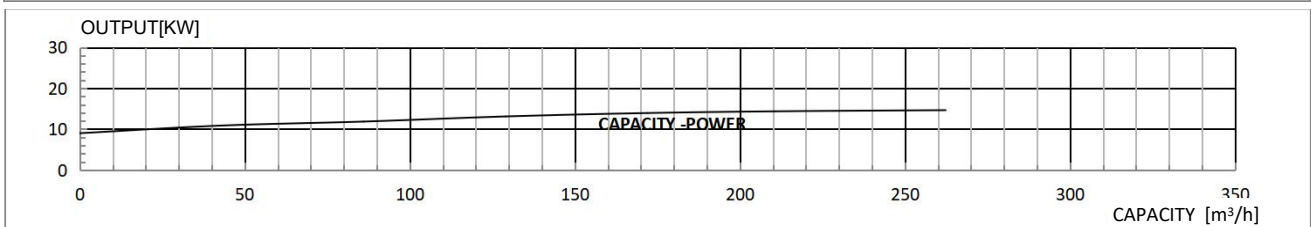
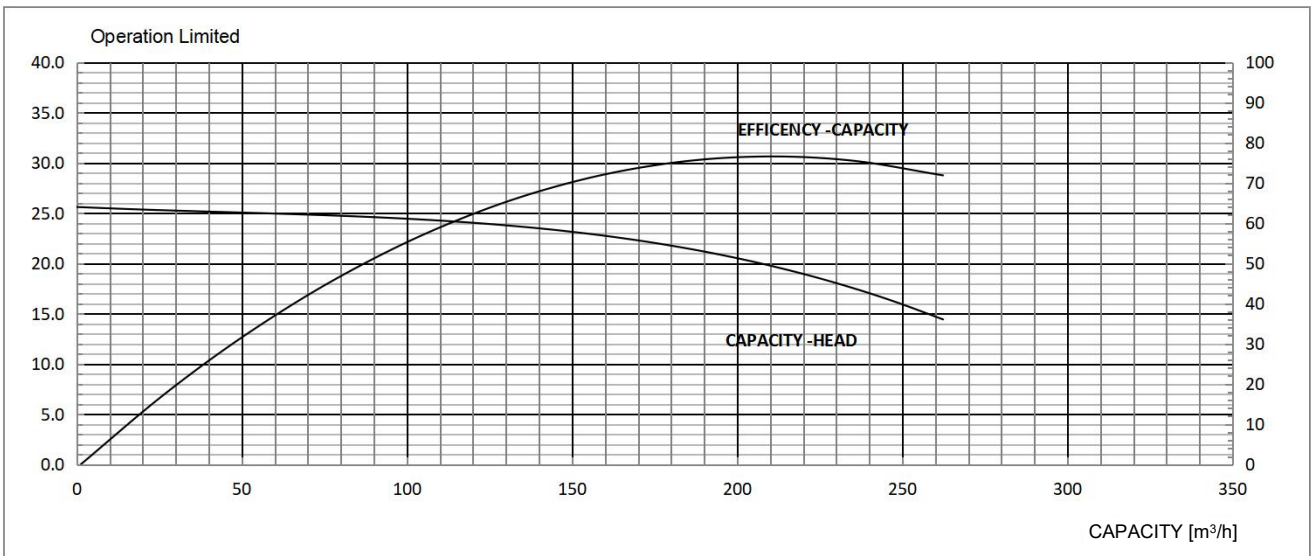
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CUSTOMER		PUMP			CUMMINS ENGINE		
Location		Max Capacity	200	m ³ /h	Rate Power	36	KW
Plant No.	N/A	Max head	20	m	Running speed	1800	RPM
Service	Transfer water	Suction/Discharge Size	150	mm	Engine type	4BT3.9-P50	
Pump Type	Auto priming pump	Revolution	1800	RPM	Incharge type	Turbo	
Quantity		NPSH®	2.3	m	Cylinda No.	4	
Item No.	N/A	Impeller Size & Type	255mm		Stroke	120 mm	
Approved by	Tongke flow	Impeller Stage	1		Cylinda bore	102 mm	

CURVES ARE APPROXIMATE, PUMP IS GUARANTEED FOR ONE SET OF CONDITIONS; CAPACITY, HEAD, AND EFFICIENCY. Explain belone to Tongke Flow.
MCSF PROVIDES MECHANICAL PROTECTION ONLY. MINIMUM THERMAL FLOW MUST BE CALCULATED FOR THE SPECIFIC FLUID AND OPERATING CONDITIONS.

HEAD[M]

EFFICIENCY[%]

**REMARKS :**

Pump efficiency	75.00	[%]
Engine displacement	3.90	[L]

NOTES :

PUMP HEAD AND POWER RATING APPLY TO MEDIUM LIQUID WITH THE DENSITY IS 1kg/dm³ AND THE KINETIC VISCOSITY IS 20 MM/S²
WHERE AN ITEM DOESN'T APPLY SHOW N/A.



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SPDW pumps we manufacture for our customers,we are exploring more...

