Godwin NC200S Dri-Prime® Pump

The Godwin NC200S Dri-Prime pump is designed for use in municipal wastewater applications that contain stringy, modern waste. This unique self-cleaning, non-clog pump is recommended for sewer, lift station, and bypass applications, and is ideal for permanent installations where reliability is absolutely critical, e.g. Diesel Backup Systems (DBS).

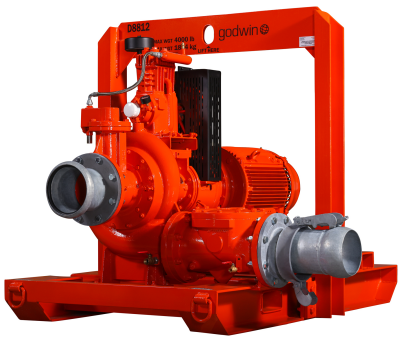
The NC200S is a member of the Godwin S Series of Smart pumps, which feature greater fuel economy, easier operation, and reduced maintenance. In addition, the Flygt N-Technology non-clog (NC) impeller is interchangeable with the CD impeller, providing the flexibility to tackle general dewatering applications with the same pump.

The Field Smart Technology is standard on every S series pump, providing real-time remote monitoring and control.

Specifications

Suction connection	8 in (200 mm) flange
Discharge connection	8 in (200 mm) flange
Max flow	2,334 US gpm (530 m^3/h)[1]
Max impeller diameter	11.9 in (302 mm)
Max operating temperature	176°F (80°C)[2]
Max Allowable Working Pressure (MAWP)	75 psi (5.2 bar)
Max suction pressure	58 psi (4.0 bar)
Max operating speed	2000 rpm

1 Larger diameter pipes may be required for maximum flow.
2 Please contact our sales and product support for applications in excess of 176°F (80°C).



Features and benefits

- Flygt 'non-clog' N-Technology to avoid ragging and downtime caused by modern waste.
- Field Smart Technology allows the user to monitor & control the pump from anywhere in the world.
- New compressor belt tensioner reduces time to change and adjust belt to approximately 30 minutes.
- New sight glass and measuring stick added to monitor mechanical seal oil level and quality.
- Improved hydraulic design reduces vibration, maximizes efficiency and fuel economy.
- Fully automatic priming from dry to 28 ft (8.5 m).
- Venturi priming requires no adjustment or control.
- Available as Open Skidbase or Sound Attenuated Enclosure, both of which can be trailer mounted.
- Standard engines are compliant with regional emissions legislation.
- Other engine options available.
- Electric motor options are available for fixed and variable speed operations.
- Environmentally friendly skid base, that contains fluid spills, comes as standards.

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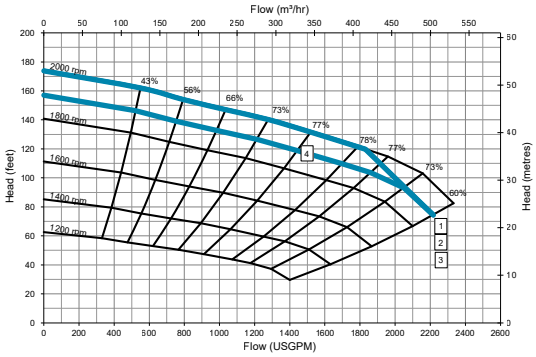
Suction lift table 1800 rpm

Performance data provided in tables is based on water tests at sea level and 68°F (20°C) ambient.

Total suction head (ft)	Total discharge head (ft)				
	56	69	82	95	105
	Output (US gpm)				
9.8	2003	1893	1761	1360	1061
15.1	1761	1722	1616	1264	863
20	1523	1488	1343	1039	748
24.9	1132	1079	1008	845	476

Performance curve

Pump curve is based on 0 ft (0 m) dynamic suction lift.

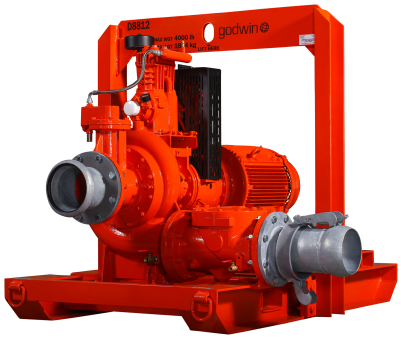


Materials

Pump casing	Ductile Iron
Wearplates	Front - Cast Iron Rear - Cast Iron
Pump shaft	Carbon Steel
Impeller	Cast Iron
Mechanical seal faces	SiC Vs SiC

Driver options

Option	Driver	Power hp (kW) @ rpm	Fuel usage at power shown	Rating standard
1	JCB TCAE-55	74 (55) @ 2000	3.8 US gph	EPA Tier 4 Final
2	John Deere 4045TI530	74 (55) @ 2000	4.4 US gph	EPA Tier 4 Final
3	John Deere 4045T290	72 (54) @ 2000	4.4 US gph	EPA Interim Tier 4
4	Electric Motor	74 (55) @ 2000	-	NEMA Premium Eff.



Open skidbase

Motor details	NEMA Premium Efficiency 75 hp
Noise @ 30 ft (9 m)	70 dBA
Voltage / Frequency / Phase	460 V / 60 Hz / 3 Phase
Full load current	84 A
Weight	3,900 lb (1,773 kg)
Dimensions (L x W x H)	80 x 57 x 62 in (2,032 x 1,448 x 1,575 mm)

Sound attenuated enclosure

	JCB TCAE-55
Emissions rating	EPA Tier 4 Final
Noise @ 30 ft (9 m)	69 dBA
Fuel capacity	100 US gal (378 L)
Weight dry	5,100 lb (2,318 kg)
Weight wet	5,810 lb (2,641 kg)
Dimensions (L × W × H)	100 x 62 x 82 in (2,540 x 1,575 x 2,083 mm)

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