

GRL300 Rotary Lobe Pump

WITH FINAL TIER 4 (FT4) DIESEL ENGINE

Godwin Pumps, a Xylem brand, proudly introduces a line of rotary lobe pumps for a range of on-site dewatering applications including wellpointing and sock operations.

The GRL300 pump is capable of flows to 3030 USGPM and air handling to 405 cfm. The GRL300 also offers the best longevity and performance in less abrasive pumping environments.



Features and Benefits

- Capable of achieving higher flow rates using less horsepower, thereby reducing fuel and overall operational costs.
- Removable front cover for inline maintenance access without disturbing piping connections.
- Rotary lobe design reduces pulsation and allows for handling abrasive fluids. Capable of achieving high pressures at low speeds.
- Includes water tanks for air handling applications.
- Available in diesel or electric.
- Standard engine JCB TCAE-55 (FT4). Also available with JCB TCAE-55 (FT4).

Specifications

Suction connection	12" 150# ANSI B16.5
Delivery connection	12" 150# ANSI B16.5
Max capacity	3030 USGPM
Max solids handling	2.4"
Displacement	5.3 US Gal/rev
Max Air Handling	405 cfm
Max operating speed	600 rpm

Performance Data

Engine speed (rpm)	Pump speed (rpm)	Flow (usgpm)	Air Handling (cfm)	Power (hp)	TDH (ft)
700	200	990	132	20	58
1100	300	1500	201	30	58
1500	400	2010	269	40	58
1800	500	2520	337	50	58
2200	600	3030	405	60	58

Engine option 1

JCB TCAE-55 (FT4), 74 HP @ 2200 rpm

Pump speed 600 rpm driven by 3.66:1 gearbox

Fuel capacity: 180 US Gal

Max Fuel consumption @ 2200 rpm: 3.9 US Gal/hr

Max Fuel consumption @ 2000 rpm: 3.7 US Gal/hr

Weight (Dry): 6,110 lbs

Weight (Wet): 7,410 lbs

Dim.: (L) 147" x (W) 58" x (H) 72"

Materials

Pump Casing	Gray Cast Iron ASTM A536, 230 to 260 Brinell hardness.
Wearplates	Gray Cast Iron ASTM A536, 700 Brinell
Lobes	Carbon Steel (ASTM A470)
Water Tanks	Hot-dipped galvanized steel
Mechanical Seal	Silicon Carbide

Engine option 2

John Deere 4045TFC03 (FT4), 74 HP @ 2200 rpm

Pump speed 600 rpm driven by 3.66:1 gearbox

Fuel capacity: 180 US Gal

Max Fuel consumption @ 2200 rpm: 4.6 US Gal/hr

Max Fuel consumption @ 2000 rpm: 4.4 US Gal/hr

Weight (Dry): 6,090 lbs

Weight (Wet): 7,390 lbs

Dim.: (L) 147" x (W) 58" x (H) 72"

