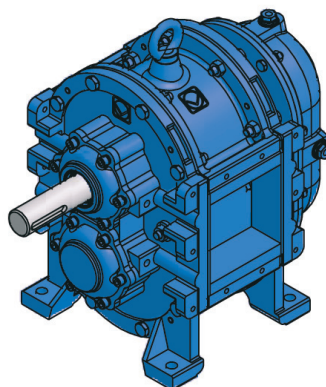


R116-60



Vogelsang

The R Series pump line is a very economical and versatile pump originally designed for agricultural use. Its robust construction and small footprint is perfect for mobile applications such as filling and emptying tankers and transferring slurry between pits. The economical R116 series offers a high-performance, cost-effective pumping solution for viscous liquids containing solids.



HIFLO POSITIVE DISPLACEMENT ROTARY LOBE PUMPS

Run Dry Without Damage: Vogelsang pumps are warranted against damage from run dry for a period up to 30 minutes

Self Priming to 25' (Wet): With suction lifts to 25', Vogelsang pumps excel at the toughest suction lift applications

Compact Size Reduces Expense: Small footprints equate to reduced construction and fabrication expense.

Unlimited Drive Options: V-Belt drives, Geared Motors with reducers, Close coupled hydraulic motors, air or submersible, Power Take Off. Vogelsang pumps offer unlimited drive options.

High Solids Handling: Our original lobe design handles tough applications where large solids are present in the liquid. The two-wing design allows our pumps the largest cavity between the lobe and housing which is why it can handle such large solids.

MECHANICAL SPECIFICATIONS: STANDARD & OPTIONAL

Materials:

Bearing Housing: Gray cast iron, 230-260 Brinell hardness

Front Cover: Gray cast iron, 230-260 Brinell hardness

Front Wear Plate: Hardox, 550 Brinell hardness

Pump Shaft: Carbon steel, ASTM A470

Shaft Sleeve: Stellite coated stainless steel.

Rear Wear Plate: Hardox, 550 Brinell hardness

Housing Segments: Gray cast iron, 230-260 Brinell hardness

Mechanical Seal: Component Seal, Duronite vs. Duronite

Rotor Core: Gray cast iron

Rotor Covering: NBR, SBR, EPDM, Viton, Werobust.

Mechanical Specifications:

Connections: Suction, 4"; Discharge, 4"

Weight: 143lbs.

Rotor Options: Straight 2-wing Lobes

Mounting Options: Inline, piggy-back, PTO frame

Drive Options: Inline Gear Motor, V-belt, Hydraulic, PTO

Warranty, Testing & Quality Assurance:

Warranty: 2 years, manufacturer's defects.

Testing: Each pump is factory tested at the customers specified duty point at a suitable range of flow and pressure conditions in accordance with Hydraulic Institute Standards.

ISO 9001:2008 Certification: Vogelsang is a fully certified for the manufacture and repair of industrial pumping equipment.

R116-60

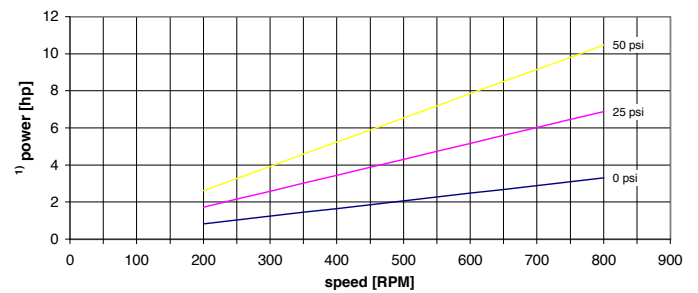
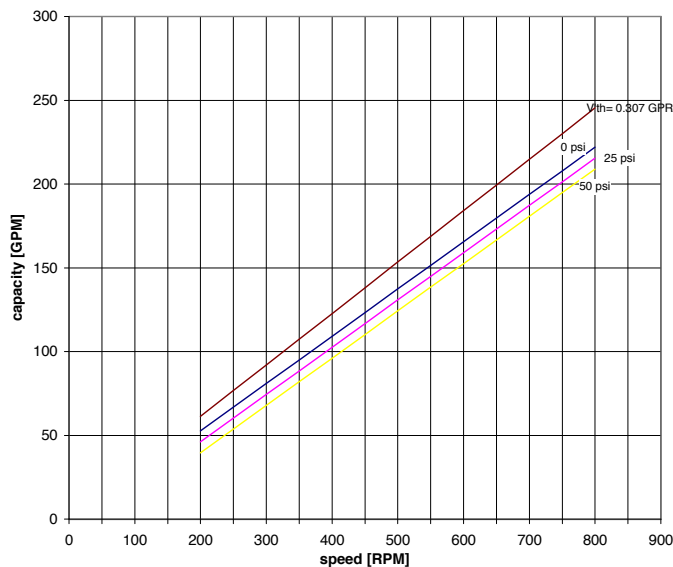


PERFORMANCE SPECIFICATIONS

Series & Model	Capacity		Displacement		Max Pressure		Max. Size rpm 1/min
	gpm	m ³ /h	gal/100	revl/100rev	psi	bar	
R116-60	198	45	30.66	116	72.5	5	650

PERFORMANCE CURVES

lobe coating: NBR
starting torque: 1011 in lb
max. operating pressure: 115 psi



Values based upon water 70°F
1) required driving power at the pump shaft

DIMENSIONAL DRAWING

shaft end acc. to DIN748
keyway and key acc. to
DIN6885 sheet 1

