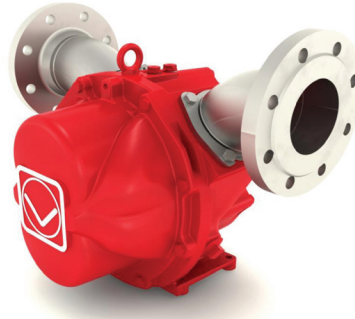


IQ112-81

The IQ Series is our the next generation in rotary lobe pumping. IQ pumps are great for many applications in industry and municipalities. What sets the IQ pump apart from any other rotary lobe pump is ease of maintenance. The IQ pump uses 50% fewer wet end parts than a traditional lobe pump. This means quicker and less expensive service in a compact, high-performance package.

**VOGELSANG**

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.

Complete Wet-End Rebuilds Inline: Change rotors, mechanical seals, lip seals, wear plates, and adjust housing segments with ease.

100% Pulsation Free Operation: Vogelsang HiFlo Rotors provide pulsation free operation through the entire range of pumping.

Maximum Mechanical Seal Life: Vogelsang pumps use a pressurized oil canister to maintain pressure inside a buffer chamber between the wetend and gear box. This pressure reduces the wear on the mechanical seals and help keep your pump at optimum performance.

Self Priming to 25' (Wet): With suction lifts to 8m, 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.

Low Noise Operation: Just 78db at 3 feet.

Excellent for Shear Sensitive Material: Our gentle pumping action coupled with 100% pulsation free operation makes Vogelsang the pump of choice for all your shear sensitive material pumping needs

MECHANICAL SPECIFICATIONS: STANDARD & OPTIONAL

Materials:

Bearing Housing: Gray Cast Iron (230-260 Brinell)

Wet End Housing/Cover: Gray Cast Iron (230-260 Brinell)

Front & Rear Wear Plate Options: Hardox (700 Brinell), Optional: Tungsten Carbide, Stainless Steel.

Pump Shaft: Carbon Steel (ASTM A470)

Mechanical Seal Options: Component Seal, Duronite or Silicon Carbide. Block Ring Cartridge Seal, Duronite (standard in new pumps) or Silicon Carbide.

Rotor Core: Gray Cast Iron

Rotor Coating Options: SBR, NBR (standard in new pumps), SewageLine®, Viton, Werobust®, Steel, Stainless Steel.

Mechanical Specifications:

Connections: Suction, 4" Discharge, 4"

Weight: 161lbs.

Rotor Options: HiFlo 4-wing Lobes

Mounting & Drive Options: Inline Gear Motor, Piggy-Back V-belt, Hydraulic.

Housing Segment Options: Standard or Dynamic

Warranty, Testing & Quality Assurance:

Warranty: Municipal, 2 years, 100% parts and labor, including wear. Industrial & Agricultural, 1 year, 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.

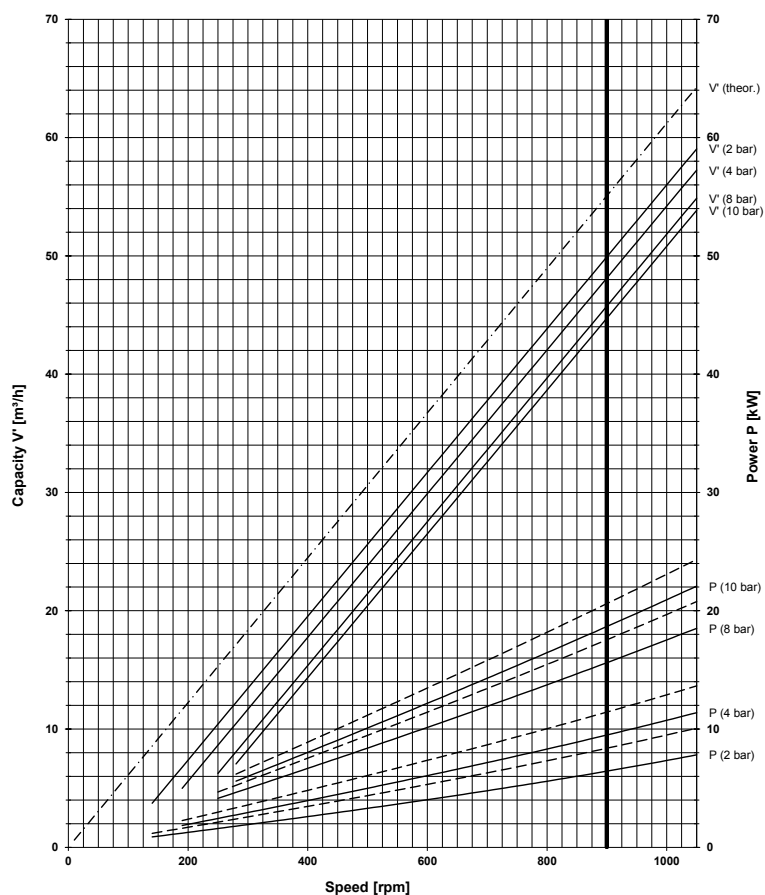
IQ112-81



PERFORMANCE SPECIFICATIONS

Series & Model	Capacity		Displacement		Max Solids		Flange Size		Max Pressure		Max. Speed rpm 1/min
	gpm	m ³ /h	gal/100rev	l/100rev	in	mm	in	mm	psi	bar	
IQ112-81	242	55	27	102	1.3	33	4	100	116	8	900

PERFORMANCE CURVE & DIMENSIONAL DRAWING



All dimensions in inches
except shaft diameter

