

KINNEY® **KDS™ 425***

Dry Screw Vacuum Pump

Features

- Available for Industrial or Process Applications
- Cantilevered Design - No Seals or Bearings on Suction Side
- No External Seals
- Easy to Clean & Service in Place, No Special Tools Required
- Made in USA

Materials of Construction:

HOUSING:	Cast iron
SCREWS:	Ni-Resist
SHAFT:	AISI 1144 Stressproof
SEALS:	
Industrial	Stainless Steel 416/Viton®
Process	Stainless Steel 303 Carbon Ring/Viton®

OPTIONS:	Variable Frequency Drive (VFD)
	Silencer (<i>Recommended</i>)
	Seal Purge
	Start/Stop Purge
	Process Coatings Available: BiProtec®
	Optional Kalrez® 6375 Available



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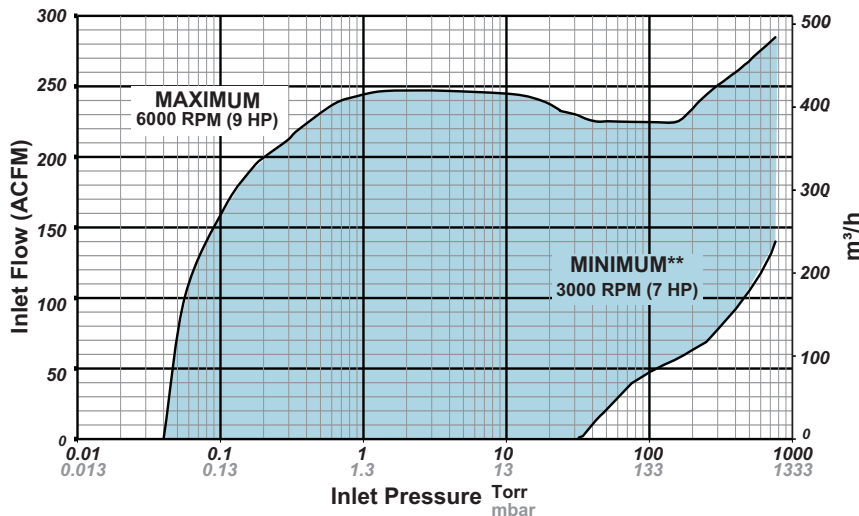
Specifications

MODEL	CAPACITY* ACFM / m ³ /h	ULTIMATE PRESSURE Torr / mbar	MAX PUMP SPEED RPM	INSTALLED MOTOR HP / KW	POWER CONSUMPTION AT ULTIMATE PRESSURE HP / KW	SUCTION FLANGE (ANSI, 150# FF)	DISCHARGE FLANGE (ANSI, 150# FF)	COOLING WATER GPM / L/min	NOISE LEVEL dB(A)	WEIGHT LBS. / KG
KDS 425	250 / 425	.04 / .053	6000	15 / 11.5	8 / 6	4" ANSI DN 100	3" ANSI	<2 / 8	75**	1,500 / 680

* 50 & 60 HZ performance is the same. Performance is addressed by changing the drive components such that the RPM of the screw is the same.

**Noise Levels declared in accordance with single-noise emission values in accordance with ISO 4871 with optional silencer.

Typical Pumping Speed Curves



** RPM to maintain operating temperature of the pump. Pump can be operated as low as 1000 RPM.



Excellence at work. Excellence in life.

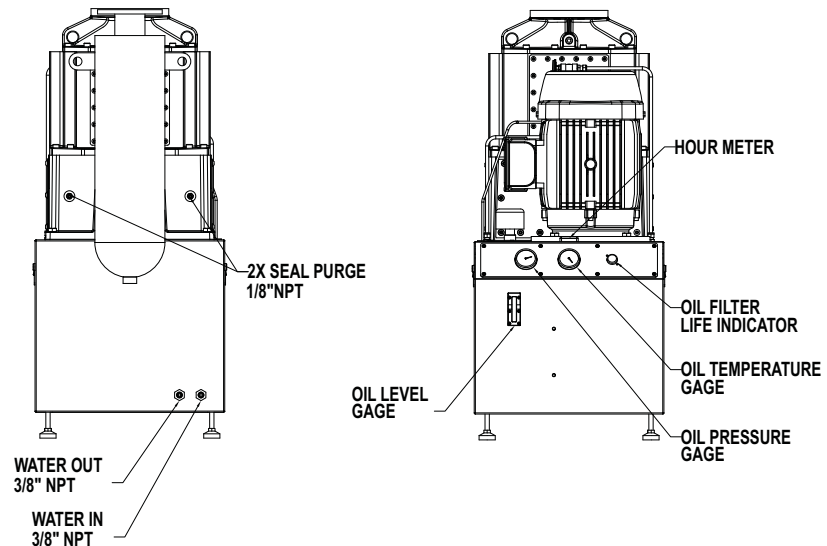
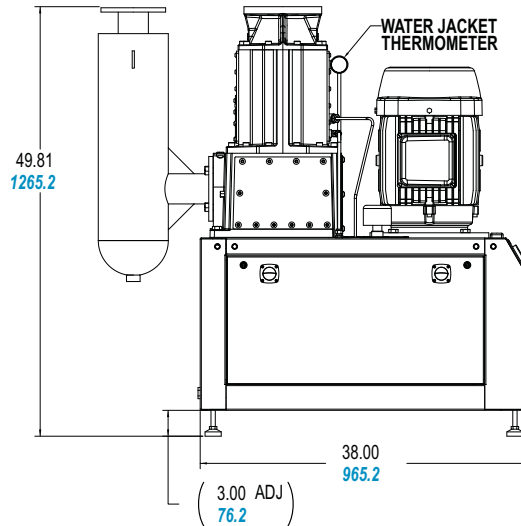
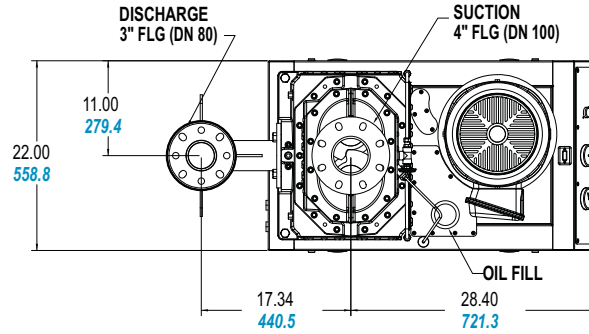
*Patents Pending

Dimensions:

Values shown are approximate and should not be used for construction.
 Certified drawings are available through your local Tuthill Vacuum & Blower Systems Sales Professional.

Model: KDS 425

NOTE: Drawing shown with Optional Silencer



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