

# HullVac<sup>TM</sup>

## HV412 Single Stage Rotary Piston Vacuum Pump



### Why Upgrade Now?

#### Model 412 Direct Replacement

Identical footprint, inlet and outlet port size and location, electric and water requirements.

#### Isolated Bearings

Harmful contamination is sealed out, adding to reliability.

#### Tough Valve Assemblies

Heavy duty studs, springs and wear plates are mounted to hardened steel seats designed to prevent broken springs from falling into the pumping chamber.

#### Internal Sealing Fluid Channels

Sealing oil enters the pumping chambers through internal channels rather than exterior piping that is prone to damage and leakage.

#### Metal Belt Guards

Steel construction enhances safety and durability.

#### Oil Flow Indicator

An oil stream splashes onto the site port ensuring easy verification even when oil is opaque.

#### Redundant Shaft Seals

Triple Redundant Viton shaft seals ride on hardened steel sleeves to guard against leakage.

#### Caged Hinge Bars

One piece construction enhances wear life and reduces operating noise.

#### Large Site Port

Large diameter glass site port with stainless steel bezel and o-ring seal makes checking oil level and condition easy even when oil is opaque.

#### No Center Wall Bearing

Failures associated with lubricating a difficult to reach bearing are eliminated.

#### Low Vibration

Three chamber design provides exceptional balance. Pump operates with minimal vibration sitting on any flat surface while enhancing service life.

#### Internal Piping

Performance robbing air leakage from externally mounted oil pipes is eliminated

#### Captured Exhaust Valve Springs

Damage from failed valve springs is eliminated.

## The Next Generation

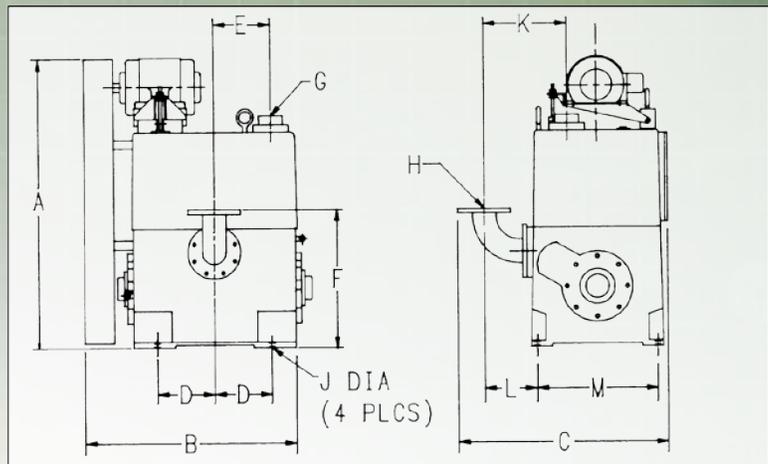
Get all the improvements in one durable, reliable, tough pump.

## HV412XT Specifications

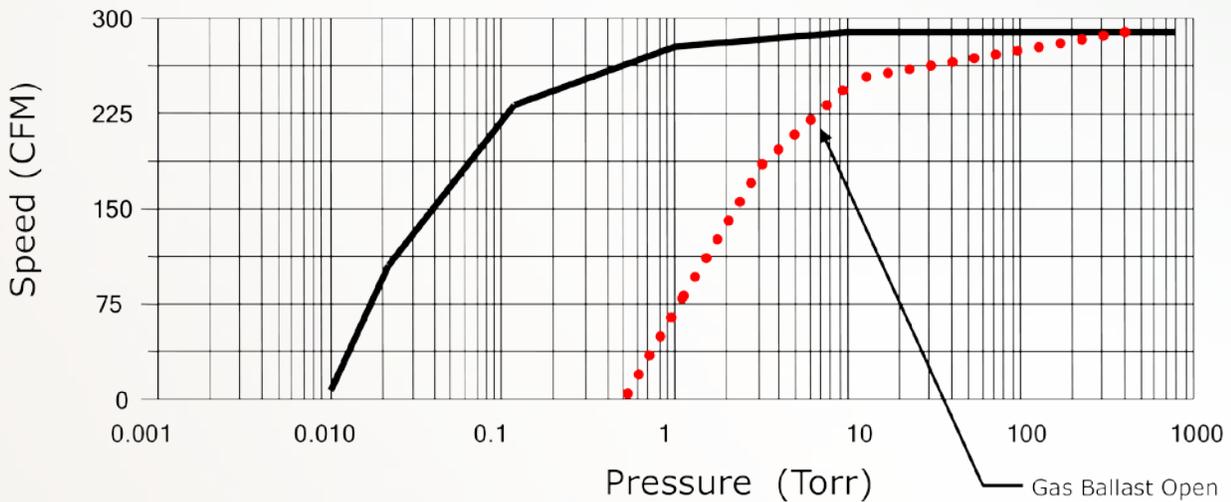
Free Air Displacement	300 CFM	Rotation Speed	490 RPM
Vacuum Stages	1	Oil Capacity	12 Gallons
Ultimate Pressure (Trapped Gauge)	0.010 Torr	Weight	1750 LBS
Ultimate Pressure Gas Ballast	0.500 Torr	Inlet Connection	4" Flange
Motor Power	15 hp	Outlet Connection	3" FNPT Thread
Voltage	208/230/460/575	Max Cooling Water 60 F	2.5 Gal/Min

### Dimensions

A	52"	G	3" FNPT
B	42"	H	4" Flange
C	34"	J	4 @ 7/8" Hole
D	9.75"	K	14.88"
E	8.25"	L	6.25"
F	22"	M	20.75"
Inlet Height Center Off Floor 16.188"			



### Performance



DEKKER, a privately-held, ISO 9001 certified company headquartered in Michigan City, Indiana, is one of the top vacuum equipment suppliers in the industry. DEKKER built its reputation with some of the most efficient and reliable products on the market, a staff known for its expertise, and a solutions-based approach to customer applications based on hundreds of installations.

**DEKKER**  
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