

**REGENERATIVE FEATURES:**

- Compact & lightweight design
- Low noise level
- Direct drive
- Virtually no maintenance
- Minimal downtime



**PD PACKAGE FEATURES:**

- Heavy duty cast iron
- High cfm per hp
- Non-contacting rotors
- Oil lubricated bearings

**REGENERATIVE VACUUM KITS INCLUDE:**

- Vacuum with integrated TEFC motor
- Standard PVC connection
- Spring-loaded relief valve
- Inlet filter
- Electrical starter panel with remotor start/stop switch & current overload protection

**POSITIVE DISPLACEMENT VACUUM PACKAGES INCLUDE:**

- Vacuum with motor & drive assembly
- Enclosure with acoustical foam & discharge silencer
- Removable maintenance doors
- Integrated cooling fans
- Pressure gauge
- Spring-loaded relief valve
- Inlet & relief valve filters
- Electrical starter panel with remotor start/stop switch & current overload protection

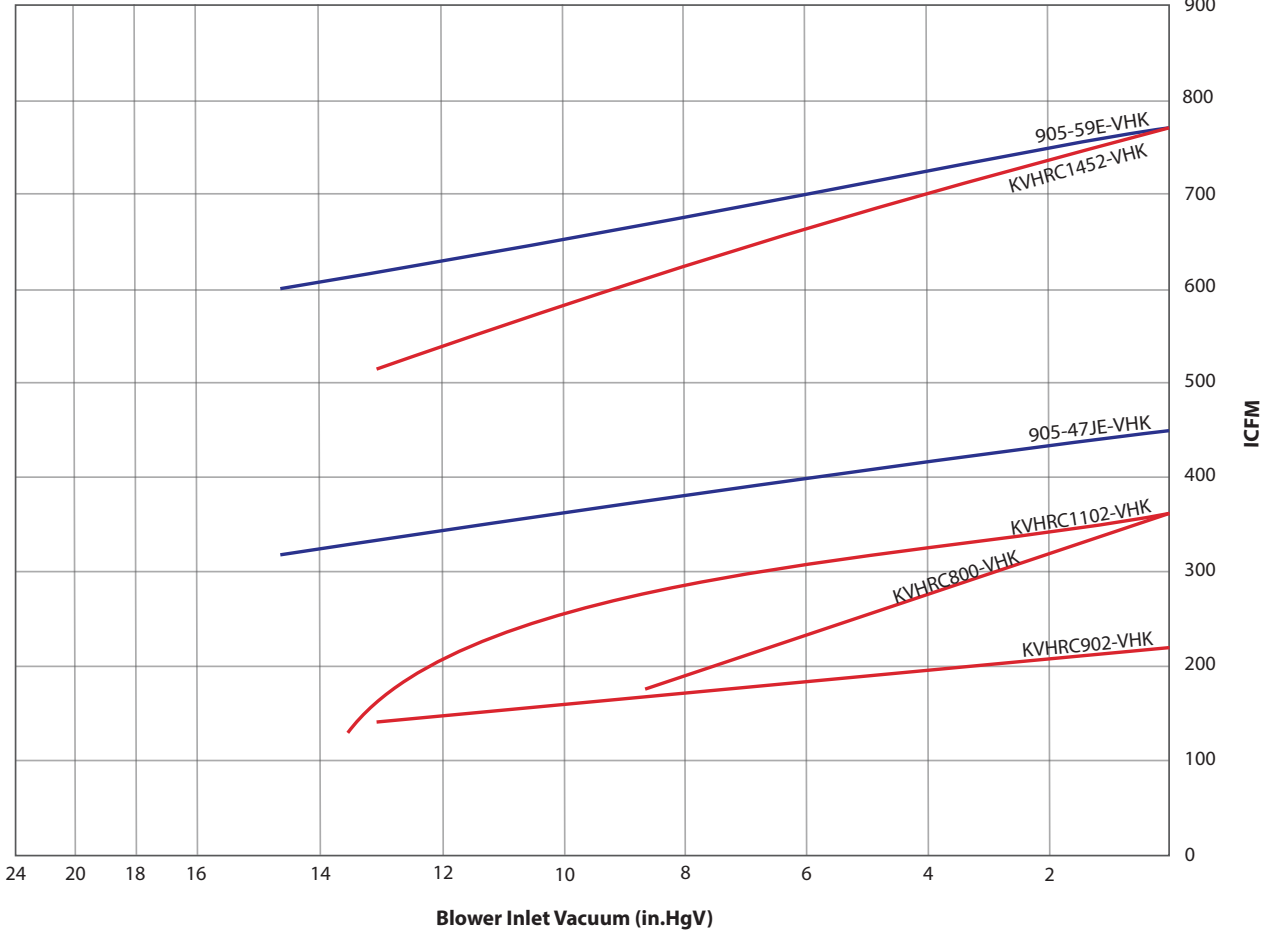
**OPTIONAL ACCESSORIES:**

- VFD - Soft start & vary speed of vacuum
- VFD - PID loop with pressure sensor to optimize vacuum and energy consumption
- Relief valve filter (regenerative)
- Pressure gauge (regenerative)



# PERFORMANCE

Positive Displacement —  
Regenerative —



Technology	Model	Displacement (cfm)	Ultimate Continuous Vacuum (in. H <sub>2</sub> O/in.HgV)	Motor Output (hp)	Recommended Table Sizes	Approx. Weight (lb)
Regenerative	KVHRC800-VHK	365	120/8.8	8.4	4'x8' 5'x10'	195
Regenerative	KVHRC902-VHK	227	177/13.0	8.4	4' x 4'	252
Regenerative	KVHRC1102-VHK	364	185/13.6	16.9	4'x8' 5'x10'	354
Regenerative	KVHRC1452-VHK	771	177/13.0	30.8	6'x12' 8'x12'	530
Positive Displacement	905-47JE-VHK	420	190/14.5	20.0	4'x8' 5'x10'	960
Positive Displacement	905-59E-VHK	700	190/14.5	30.0	6'x12' 8'x12'	1,600

**\*Voltage Options:**

3 Phase: 208V, 230V, 400V, 460V, 575V

1 Phase: 220V - available for KVHRC800-VHK and KVHRC902-HVK only

The performance curves are based on air at a temperature of 59 °F and an atmospheric pressure of 29.91 inch Hg with a tolerance of +/-10%. The total pressure differences are valid for inlet and ambient temperatures up to 77 °F. Suction capacity relates to inlet conditions. Pressure capacity relates to atmospheric conditions. For other conditions please contact Republic. Three phase motor tolerances are +/-10% for fixed voltage motors and +/-5% for voltage range motors. Single phase machines are designed with a +/-5% tolerance. The frequency tolerance is +/-2% maximum.

