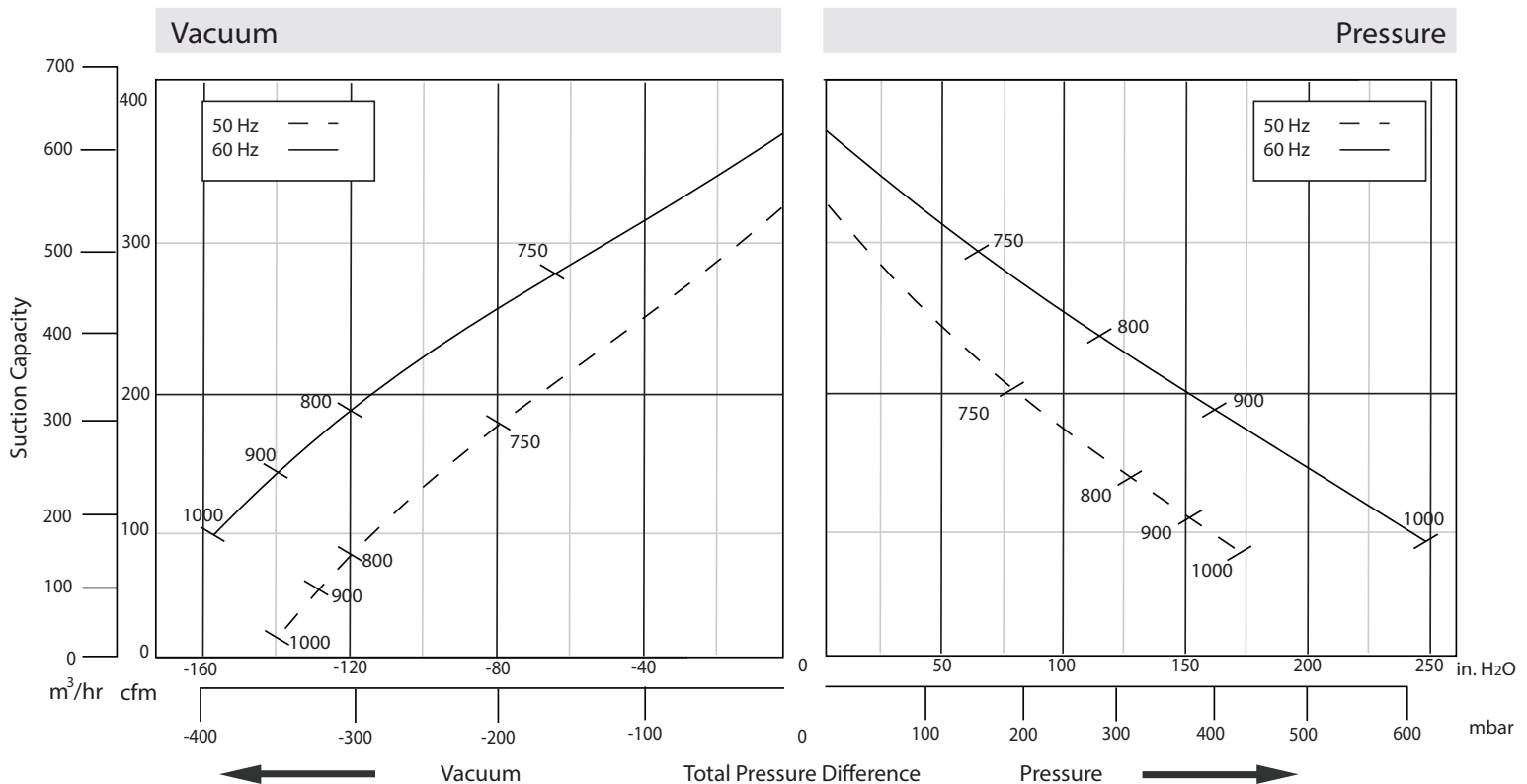


Republic offers a complete line of regenerative blowers for high vacuum or compressed air applications in both horizontal and vertical mounted positions. TEFC motors are rated for 50/60 Hz operation and are cUL, UL, and CE certified. The impeller is directly connected to the motor shaft, providing powerful air force without undue friction. The bearings are outside the compression chamber, ensuring maximum operational reliability under high differential pressure. Constructed in robust die-cast aluminum, this low-maintenance, oil-free design provides continuous, dependable service to our customers.



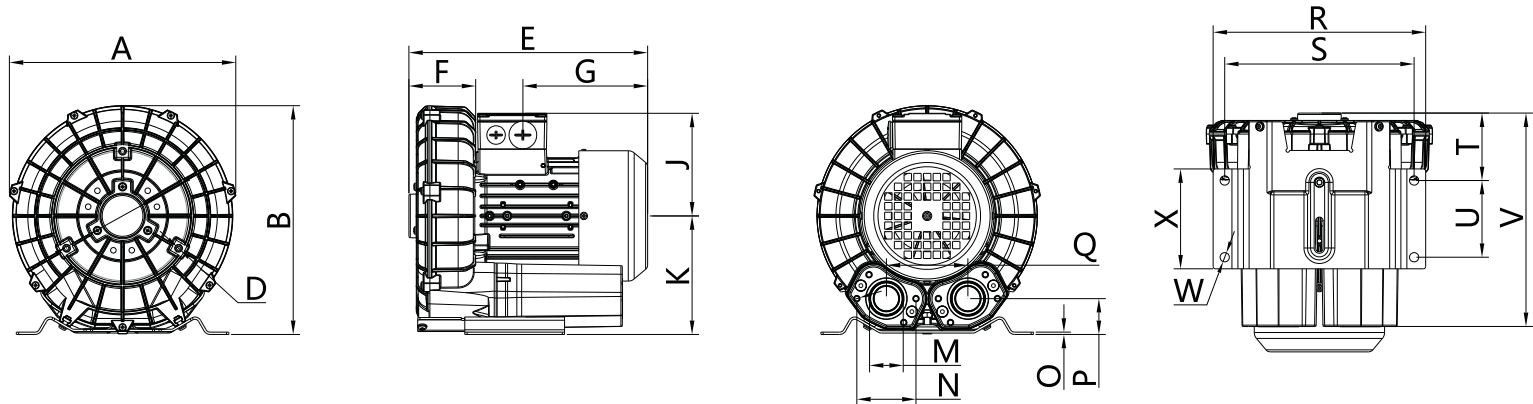
PERFORMANCE



Model	Phase	Frequency (Hz)	Air flow (CFM/m³/hr)	Rated Vacuum (in. H ₂ O/mbar)	Rated Pressure (in. H ₂ O/mbar)	Motor (HP/kW)	Voltage (V)	Current (A)	Sound Level (dB)	Weight (lb/kg)
HRC 750	3	50	312/530	80/200	80/200	5.8/4.3	200-240 Δ/345-415 Y	19.0 Δ/9.5 Y	70	112/51
		60	365/620	64/160	64/160	6.5/4.9	220-275 Δ/380-480 Y	19.0 Δ/9.5 Y	74	
HRC 800	3	50	312/530	120/300	128/320	7.4/5.5	200-240 Δ/345-415 Y	25.8 Δ/12.9 Y	70	137/62
		60	365/620	120/300	112/280	8.4/6.3	220-275 Δ/380-480 Y	25.8 Δ/12.9 Y	74	
HRC 900	3	50	312/530	129/320	153/380	10.1/7.5	200-240 Δ/345-415 Y	29.0 Δ/16.7 Y	70	143/65
		60	365/620	141/350	161/400	11.5/8.6	220-275 Δ/380-480 Y	30.0 Δ/17.3 Y	74	
HRC 1000	3	50	312/530	138/344	173/431	13.1/9.8	200-240 Δ/345-415 Y	40.0 Δ/20.0 Y	70	265/121
		60	365/620	158/394	248/618	15.0/11.2	220-275 Δ/380-480 Y	40.0 Δ/20.0 Y	74	

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.

APPROXIMATE DIMENSIONS

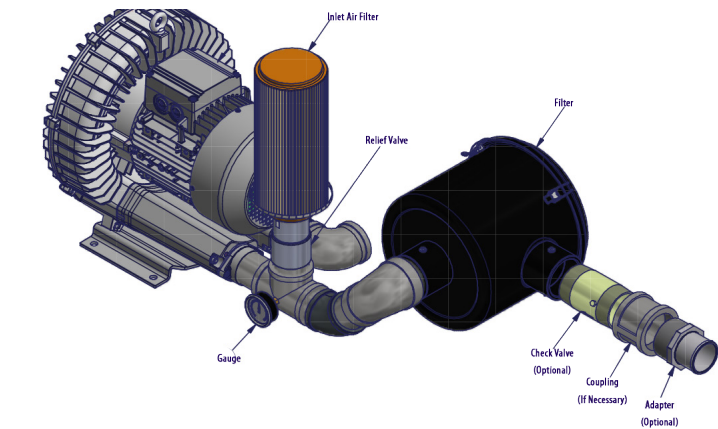


Model	Unit	A	B	D	E	F	G	J	K	M	N	O	P	Q	R	S	T	U	V	W
HRC 750	in	17.76	19.80	M10	17.76	5.87	11.42	5.83	9.41	2.50	3.70	0.24	2.52	8.54	15.51	14.02	4.92	6.69	12.52	0.59
	mm	451	503		451	149	290	148	239		94	6	64	217	394	356	125	170	318	15
HRC 800	in	17.76	19.80	M10	18.82	5.87	8.90	6.57	9.41	2.50	3.70	0.24	2.52	8.54	15.51	14.02	4.92	6.69	17.09	0.59
	mm	451	503		478	149	226	167	239		94	6	64	217	394	356	125	170	434	15
HRC 900	in	17.76	19.80	M10	18.82	5.87	8.90	7.76	9.41	2.50	3.70	0.24	2.52	8.54	15.51	14.02	4.92	6.69	17.09	0.59
	mm	451	503		478	149	226	197	239		94	6	64	217	394	356	125	170	434	15
HRC 1000	in	17.76	19.80	M10	18.82	5.87	8.90	7.76	9.41	2.50	3.70	0.24	2.52	8.54	15.51	14.02	4.92	6.69	17.09	0.59
	mm	451	503		478	149	226	197	239		94	6	64	217	394	356	125	170	434	15

Available Options

All Republic Regenerative Blowers are available in pre-assembled kits for either pressure or vacuum applications. These kits include an inlet filter, gauge and relief valve, and are factory tested prior to shipment. Optional items for these kits include check valve, and tube adaptor; washdown motors, explosion proof motors, or other specialty motors; noise enclosures; and control panels such as VFD's, PLC's, or starter panels.

VACUUM KIT



PRESSURE KIT

