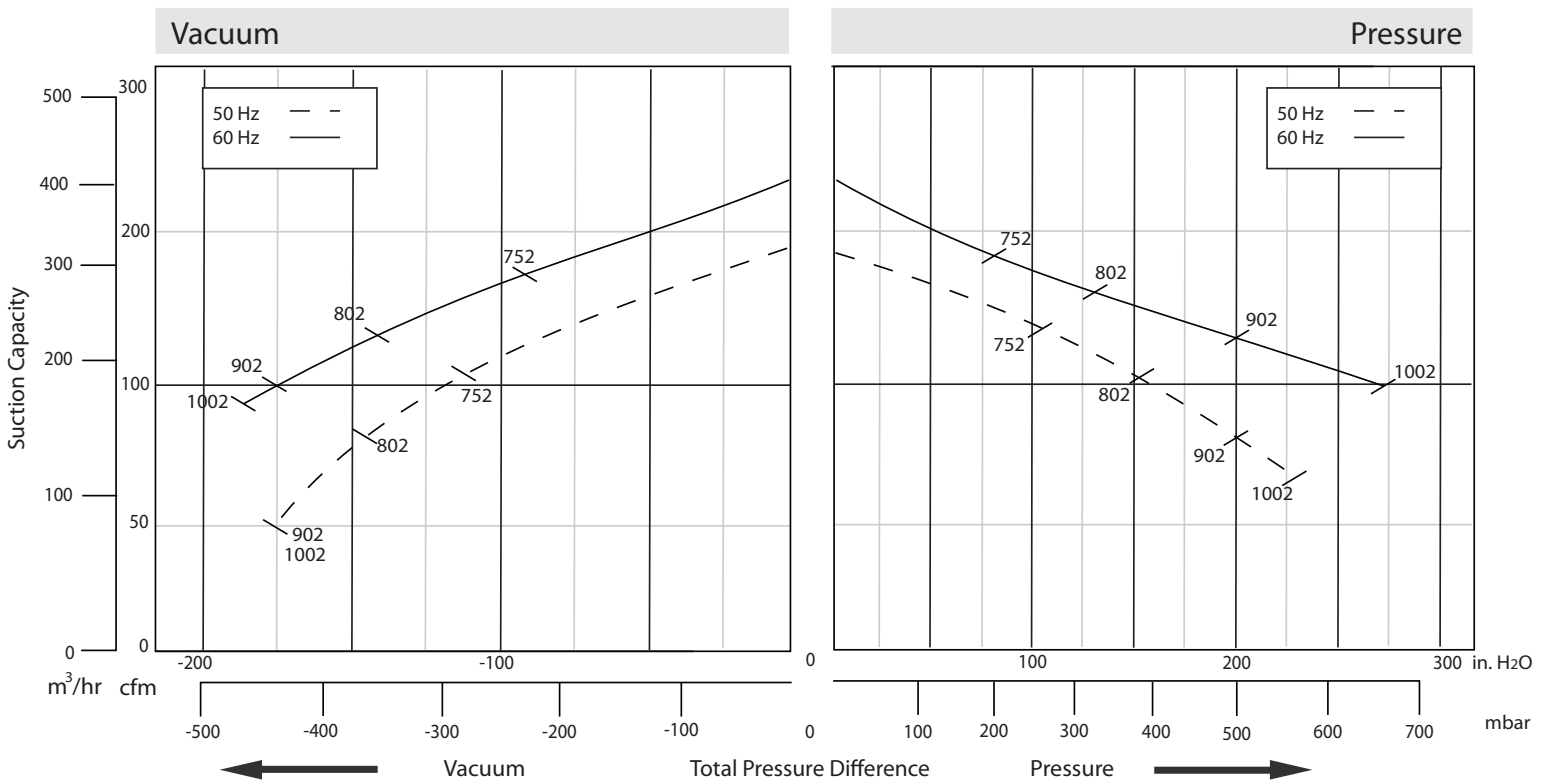


Republic offers a complete line of regenerative blowers for high vacuum or compressed air applications in both horizontal and vertical mounted positions. TEFC motors are rated for 50/60 Hz operation and are IE3, cUL, UL, and CE certified. The impeller is directly connected to the motor shaft, providing 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.

IE3
CC339B
CE
C **UL** **US**
E493872



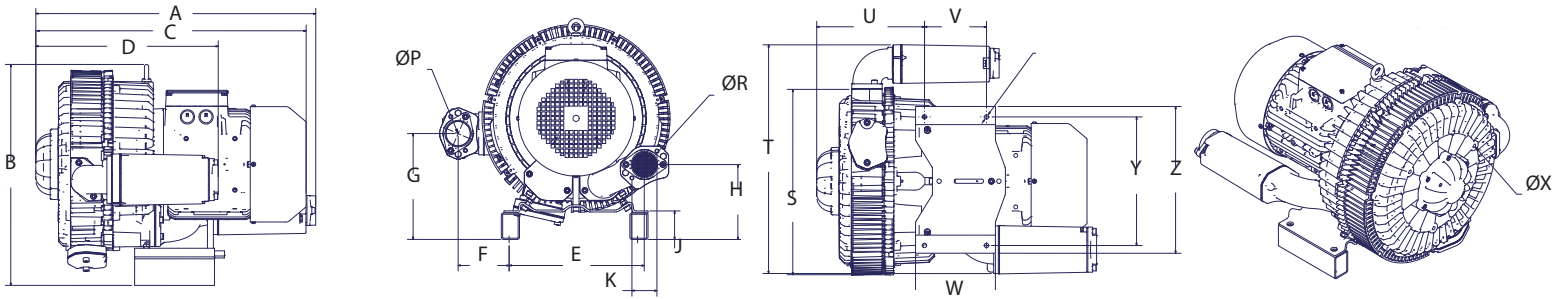
PERFORMANCE



Model	Phase	Frequency (Hz)	Air flow (CFM/m ³ /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 752	3	50	188/320	112/280	104/260	4.0/3.0	190 YY/380 Y	12.5 YY/7.2 Y	73	108/49
		60	227/385	92/230	80/200	4.6/3.4	230 YY/460 Y	12.6 YY/7.3 Y	76	
HRC 802	3	50	188/320	145/360	153/380	5.8/4.3	190 ΔΔ/660 Δ	10.0 ΔΔ/6.1 Δ	73	123/56
		60	227/385	141/350	129/320	6.4/4.8	230 ΔΔ/460 Δ	18.0 ΔΔ/10.4 Δ	76	
HRC 902	3	50	188/320	177/440	201/500	7.4/5.5	190 ΔΔ/380 Δ	26.6 ΔΔ/13.3 Δ	73	154/70
		60	227/385	177/440	201/500	8.4/6.3	230 ΔΔ/460 Δ	23.0 ΔΔ/13.3 Δ	76	
HRC 1002	3	50	188/320	177/440	229/570	10.1/7.5	190 ΔΔ/380 Δ	33.4 ΔΔ/16.7 Δ	73	163/74
		60	227/385	185/460	269/660	11.5/8.6	230 ΔΔ/460 Δ	30.0 ΔΔ/17.3 Δ	76	

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 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

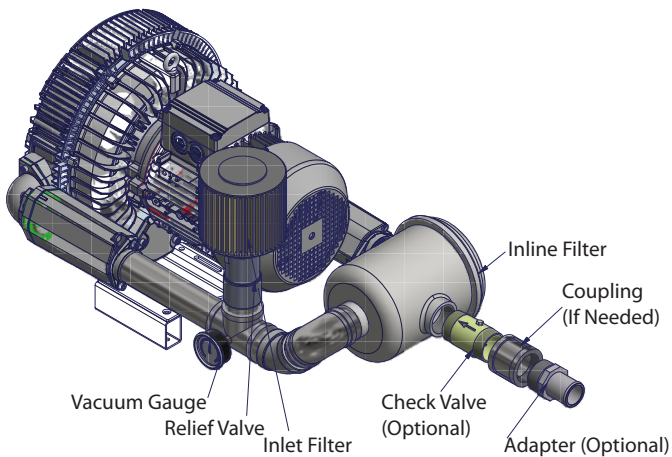


Model	Unit	A	B	C	D	E	F	G	H	J	K	ØP	ØR	S	T	U	V	W	ØX	Y	Z
HRC 752	in	22.06	19.00	19.06	16.06	8.19	4.69	8.75	7.44	2.56	N/A	2.00	2.00	16.50	20.38	9.38	5.50	7.06	M10	11.44	13.06
	mm	560	483	484	408	208	119	223	113	65	N/A	NPT	NPT	419	517	238	140	180		290	331
HRC 802	in	22.06	19.00	19.06	16.06	8.19	4.69	8.75	7.44	2.56	N/A	2.00	2.00	16.50	20.38	9.38	5.50	7.06	M10	11.44	13.06
	mm	560	483	484	408	208	119	223	113	65	N/A	NPT	NPT	419	517	238	140	180		290	331
HRC 902	in	24.88	19.63	24.00	16.19	12.00	4.50	9.38	6.69	2.56	2.25	2.00	2.00	16.44	20.31	9.56	5.50	7.06	M10	11.44	13.06
	mm	632	499	610	412	305	115	239	169	65	57	NPT	NPT	418	516	243	140	180		290	331
HRC 1002	in	24.88	19.63	24.00	16.19	12.00	4.50	9.38	6.69	2.56	N/A	2.00	2.00	16.56	20.31	9.56	5.50	7.13	M10	11.44	13.06
	mm	632	499	610	412	305	115	239	169	65	N/A	NPT	NPT	421	516	243	140	182		290	331

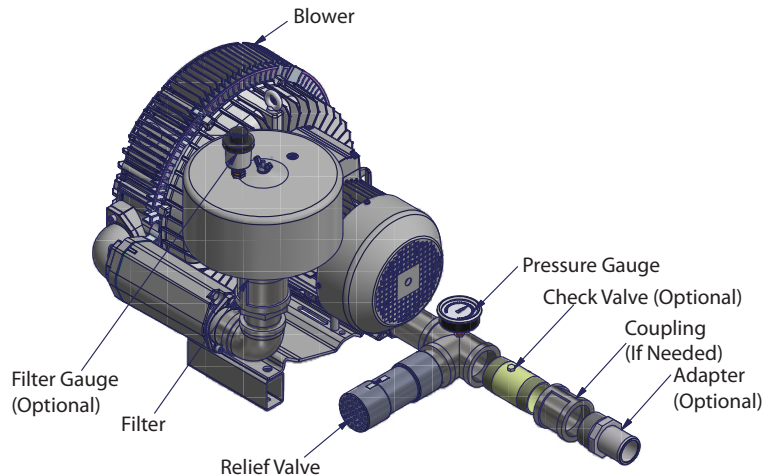
Available Options

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



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