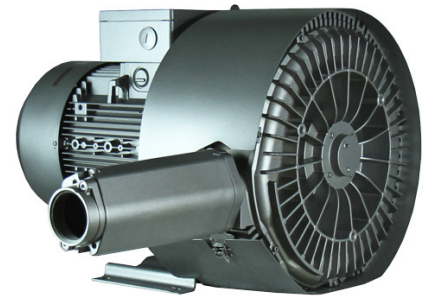
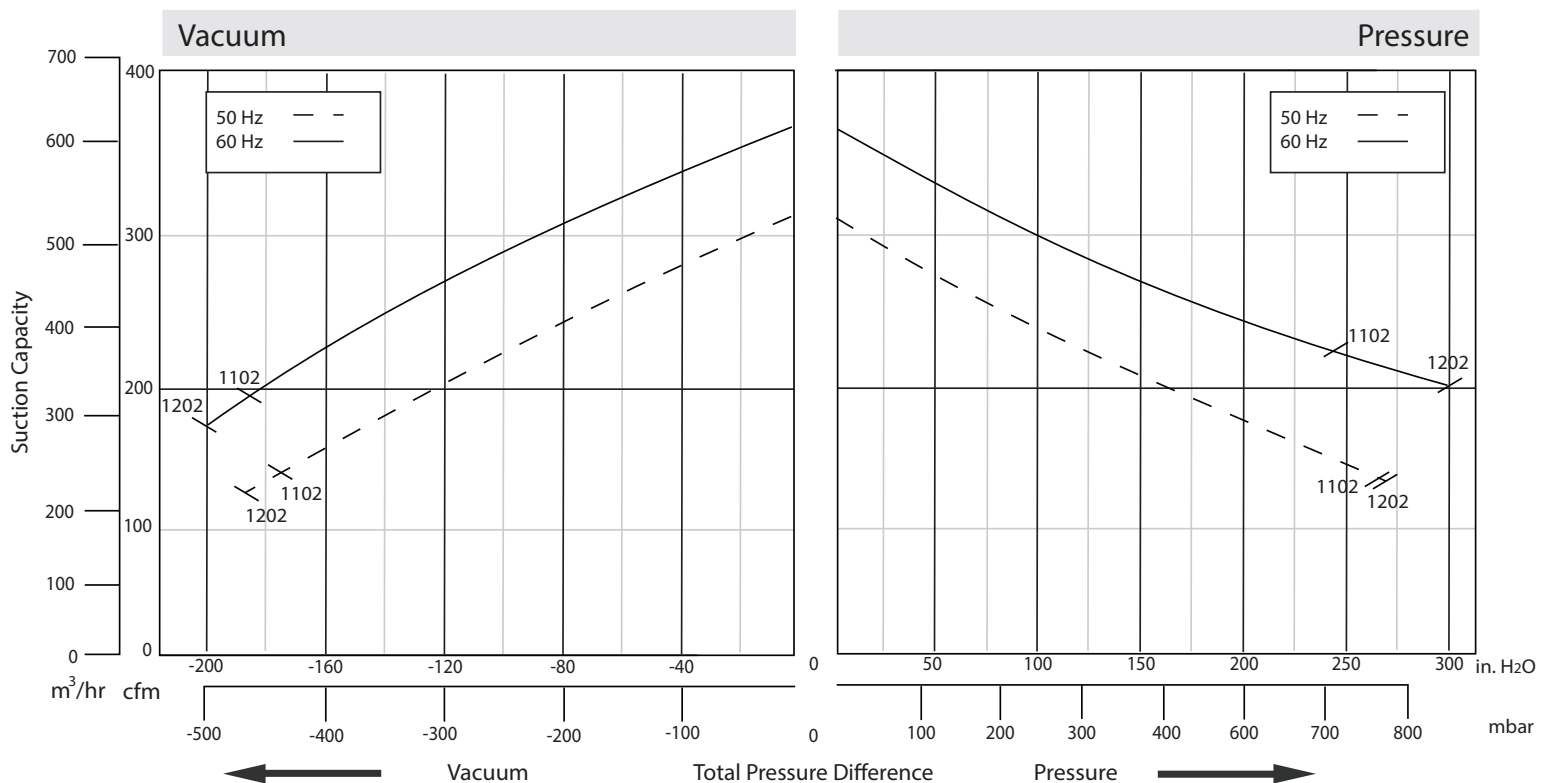


Republic offers a complete line of regenerative blowers for high vacuum or compressed air applications in both horizontal and vertical mounted positions. TEFC motors are rated for 50/60 Hz operation and are cUL, UL, and CE certified. The impeller is directly connected to the motor shaft, providing powerful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



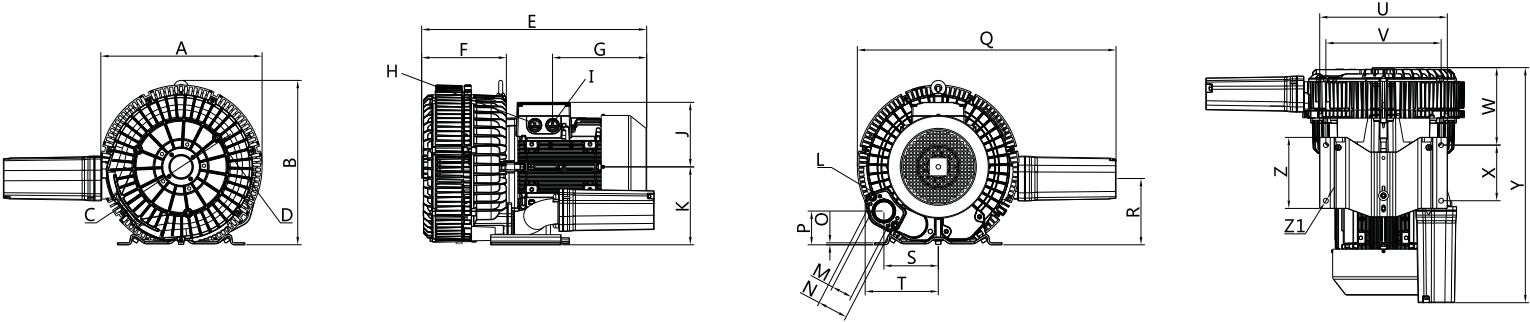
PERFORMANCE



Model	Phase	Frequency (Hz)	Air flow (CFM/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 1102	3	50	306/520	173/430	265/660	14.8/11.0	200-240 △/345-415 Y	48.5 △/28.0 Y	74	230/104
		60	364/620	185/460	241/600	16.9/12.6	220-275 △/380-480 Y	50.1 △/29.0 Y	78	
HRC 1202	3	50	306/520	185/460	269/670	20.1/15.0	200-240 △/345-415 Y	56.3 △/32.5 Y	74	265/120
		60	364/620	197/490	301/750	23.2/17.3	220-275 △/380-480 Y	60.0 △/34.5 Y	78	

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



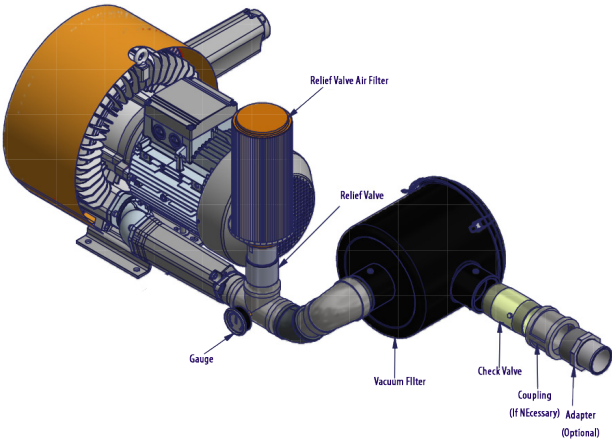
Model	Unit	A	B	D	E	F	G	J	K	M	N	O	P
HRC 1102	in	19.57	19.80	M12	27.36	10.31	11.46	7.76	9.41	2.50	3.70	0.24	4.06
	mm	497	503		695	262	291	197	239		94	6	103
HRC 1202	in	19.57	19.80	M12	27.36	10.31	11.46	7.76	9.41	2.50	3.70	0.24	4.06
	mm	497	503		695	262	291	197	239		94	6	103

Model	Unit	Q	R	S	T	U	V	W	X	Y	Z	Z1
HRC 1102	in	31.46	19.80	6.61	8.90	15.51	14.02	9.29	6.69	28.27	8.54	0.59
	mm	799	202	168	226	394	356	236	170	718	217	15
HRC 1202	in	31.46	19.80	6.61	8.90	15.51	14.02	9.29	6.69	28.26	8.54	0.59
	mm	799	202	168	226	394	356	236	170	718	216	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

