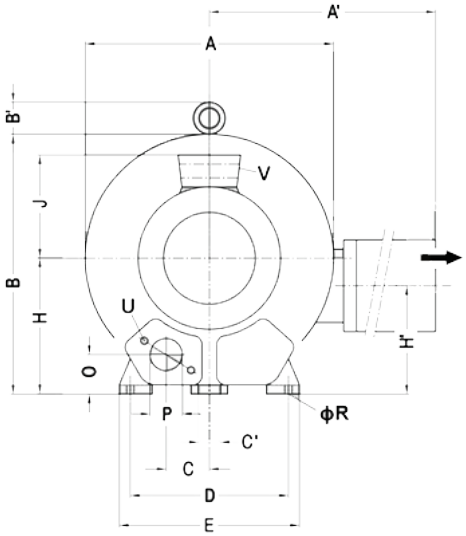
2HB 920

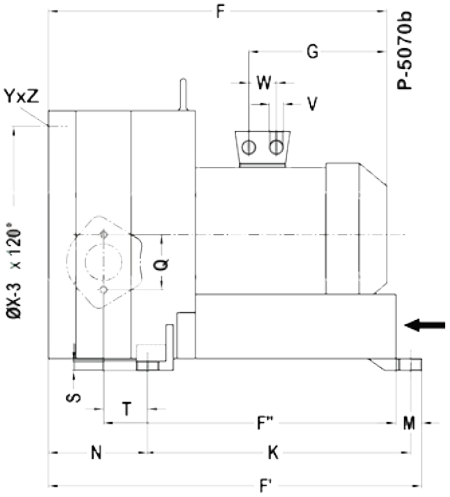
Selection and ordering data

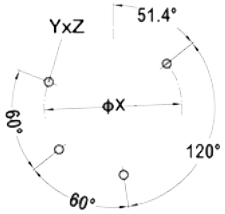
Type 2HB 920

Curve No.	Type	Fre-quency	Rated power	Input voltage		Input current		Permissible total differential pressure ²)		Sound pressure level ³)	Weight ca.
								Vacuum	Compressor		
		Hz	kW	V		A		mbar	mbar	dB(A)	kg
3~ 50/60 Hz IP55 isulation material class F 1)											
A 390	2HB 920-1250T	50	12.5	345D ... 415D	600Y...720Y	28.0D	16.2Y	-300	270	74	187
A 391	2HB 920-1450T	60	14.5	380D ... 480D	660Y...720Y	29.0D	16.7Y	-220	200	84	187
A 392	2HB 920-1650T	50	16.5	345D ... 415D	600Y...720Y	35.0D	20.0Y	-410	370	74	197
A 393	2HB 920-1650T	60	19.0	380D ... 480D	660Y...720Y	36.5D	21.0Y	-340	300	84	197
A 394	2HB 920-2000T	50	20.0	345D ... 415D	600Y...720Y	40.0D	23.0Y	-440	500	74	204
A 395	2HB 920-2000T	60	23.0	380D ... 480D	660Y...720Y	42.0D	24.2Y	-440	430	84	204
A 396	2HB 920-2500T	50	25.0	345D ... 415D	600Y...720Y	52.0D	30.0Y	-440	590	74	211
A 397	2HB 920-2500T	60	29.0	380D ... 480D	660Y...720Y	52.0D	30.0Y	-440	540	84	211

Type	A	A'	B	B'	C	C'	D	E	F	F'	F"	G	H	H'	J	K	M	N	O	P	Q	ØR	S	T	U	V	ØX	YxZ	W
2HB 920-1250T	614	780	607	16	104	15	360	415	752	786	634	345	300	234	197	533	39	230	92	100	150	15	21	117	M12x30	4xM40x1.5	490	M12x30	54
2HB 920-1650T	614	780	607	16	104	15	360	415	752	786	634	345	300	234	197	533	39	230	92	100	150	15	21	117	M12x30	4xM40x1.5	490	M12x30	54
2HB 920-2000T	614	780	607	16	104	15	360	415	752	786	634	345	300	234	197	533	39	230	92	100	150	15	21	117	M12x30	4xM40x1.5	490	M12x30	54
2HB 920-2500T	614	780	607	16	104	15	360	415	812	786	634	345	300	234	197	533	39	230	92	100	150	15	21	117	M12x30	4xM40x1.5	490	M12x30	54







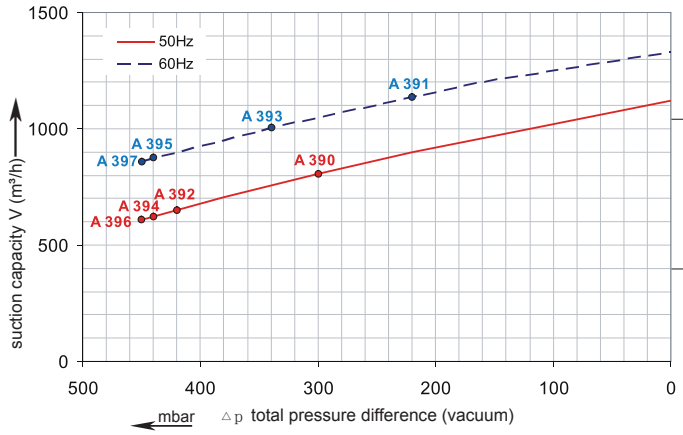
All blowers achieve the standards and norms of the low voltage directive (LVD)2006/95/EC, rotating electrotechnical motor EN 60034-1-2004, electromagnetic compatibility(EMC)EN55014-1/2,EN61000-2/-3/-4/-6.

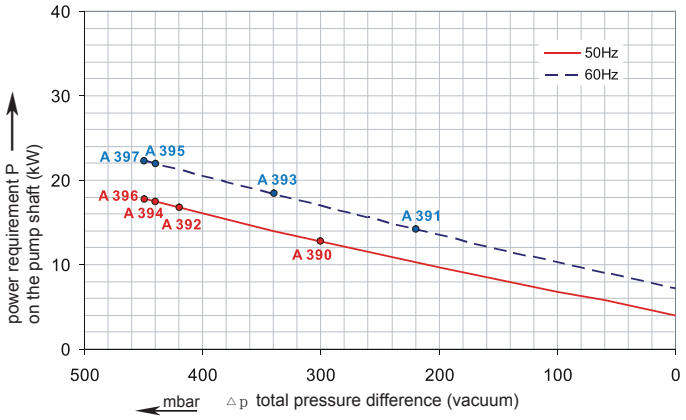
1) For standard UL for ELECTRIC MOTOR UL 1004-1.
2) Relief-valve are available for limiting differential pressure.
3) Measuring-surface sound-pressure level acc. to DIN EN 21680, measured at a distance of 1 m. The pump is throttled to an average suction pressure, a hose is connected to the discharge side (compressor) / suction side (vacuum pump), but is not fitted with relief valves.

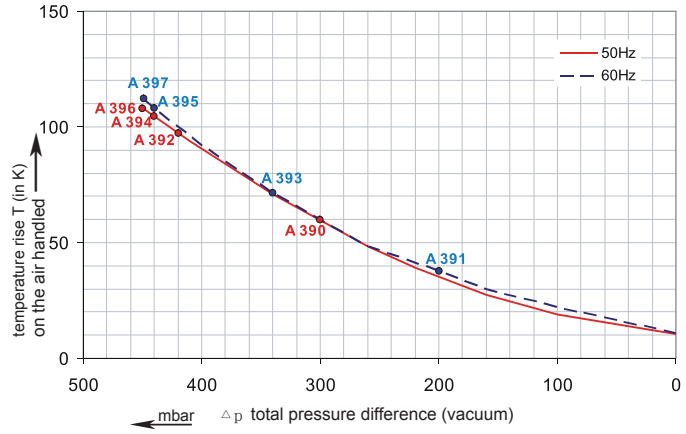
The motors are designed according to the DIN EN 60 034 / DIN IEC 34-1 and temperature class F.
For the three phase machines the tolerances are +/- 10 % for fixed voltage and +/- 5 % for voltage range.
The single phase machines are designed with a +/- 5 % tolerances. If only 90 % of the maxium allowed pressure will be used for the continuousoperating then the allowed voltage range add to +/- 10 %.
For all single and three phase machines which designed according to the UL and CSA norm (UL 1004-1) the maximum allowed voltage tolerances are - 10 % resp. + 6 %.
The frequency tolerance is maximum +/- 2 %.

2HB 920

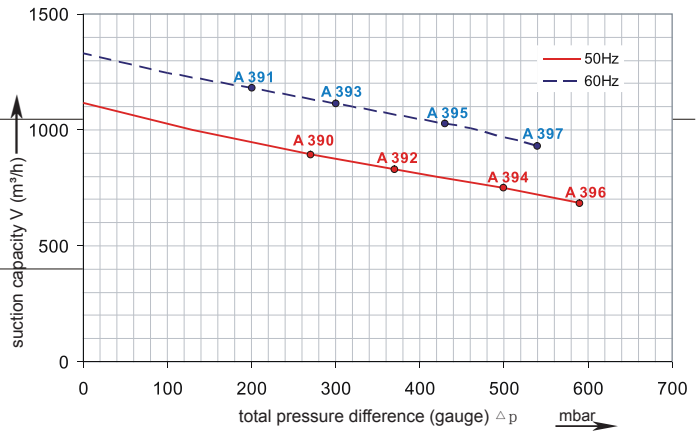
Performance curve for Vacuum pump

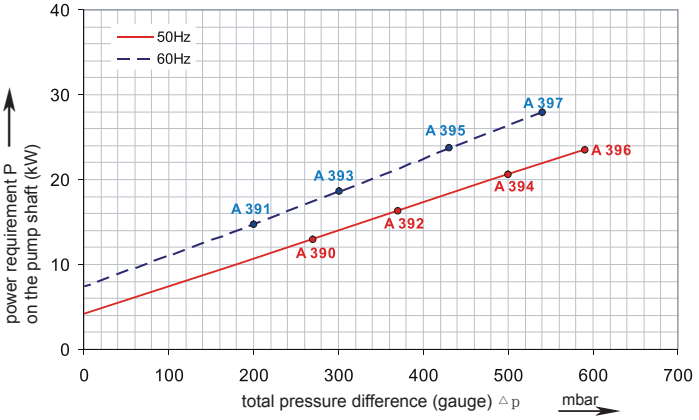


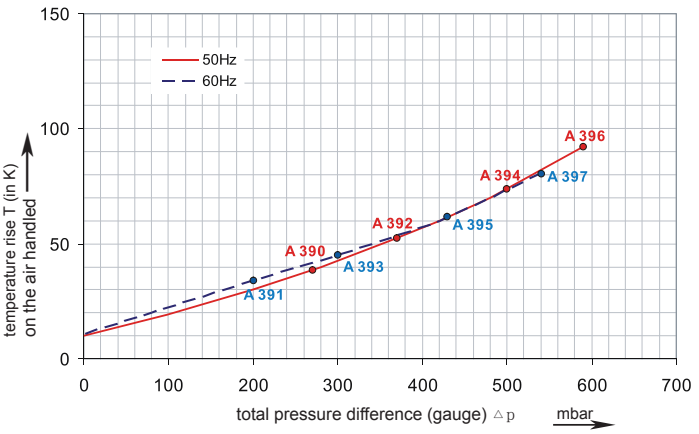




Performance curve for Compressor







The performance curves are based on air at a temperature of 15 °C and an atmospheric pressure of 1013 mbar with a tolerance of +/- 10 %.
The total pressure differences are valid for suction and ambient temperatures up to 25 °C.
For other conditions please confer with us.

Each type can be applied both as vacuum pump and compressor in continuous operation over the total stated performance curve range. The motors are available as standard for the input voltage range of 50 and 60 Hz and for protection category IP 55 as well as approbated for UL and CSA.