

## 2HB 963

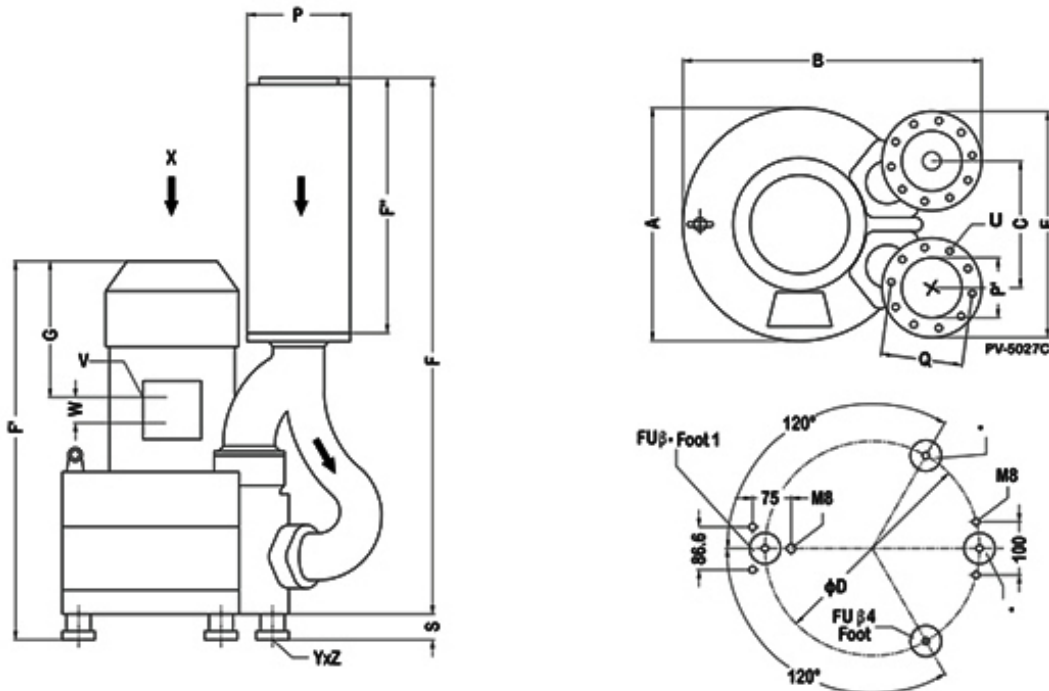
### Side channel blower with IE2-motors

#### Selection and ordering data

##### Type 2HB 963

No.	Fre- quency	Rated			Max. differential pressure <sup>1)</sup>		Sound pressure level <sup>2)</sup>	Weight Approx.  kg	Order No.
		Voltage	Current	Power	Vacuum	Pressure			
		Hz	V	A	kW	mbar			
<b>3~ 50/60 Hz, IP55, Insulation material class F, IE2</b>									
1	50	350 - 450 Δ / 610 - 725 Y	40.5 Δ / 23.4Y	22.0	-140	140	82	300	2HB 963-2200T
	60	400 - 500 Δ / 690 - 725 Y	40.0 Δ / 23.0Y	24.5	-100	100	89		
2	50	350 - 450 Δ / 610 - 725 Y	54.0 Δ / 31.2 Y	30.0	-240	250	82	330	2HB 963-3000T
	60	400 - 500 Δ / 690 - 725 Y	54.0 Δ / 31.2 Y	33.5	-180	180	89		

Type	A	B	C	E	F	F'	F''	G	P	P'	Q	U	V	YxZ	W
2HB 963-2200T	615	723	307	526	1201	908	503	351	219	135	201	M8x40	4xM40x1.5	M12x10.5	54
2HB 963-3000T	615	723	307	526	1201	908	503	351	219	135	201	M8x40	4xM40x1.5	M12x10.5	54

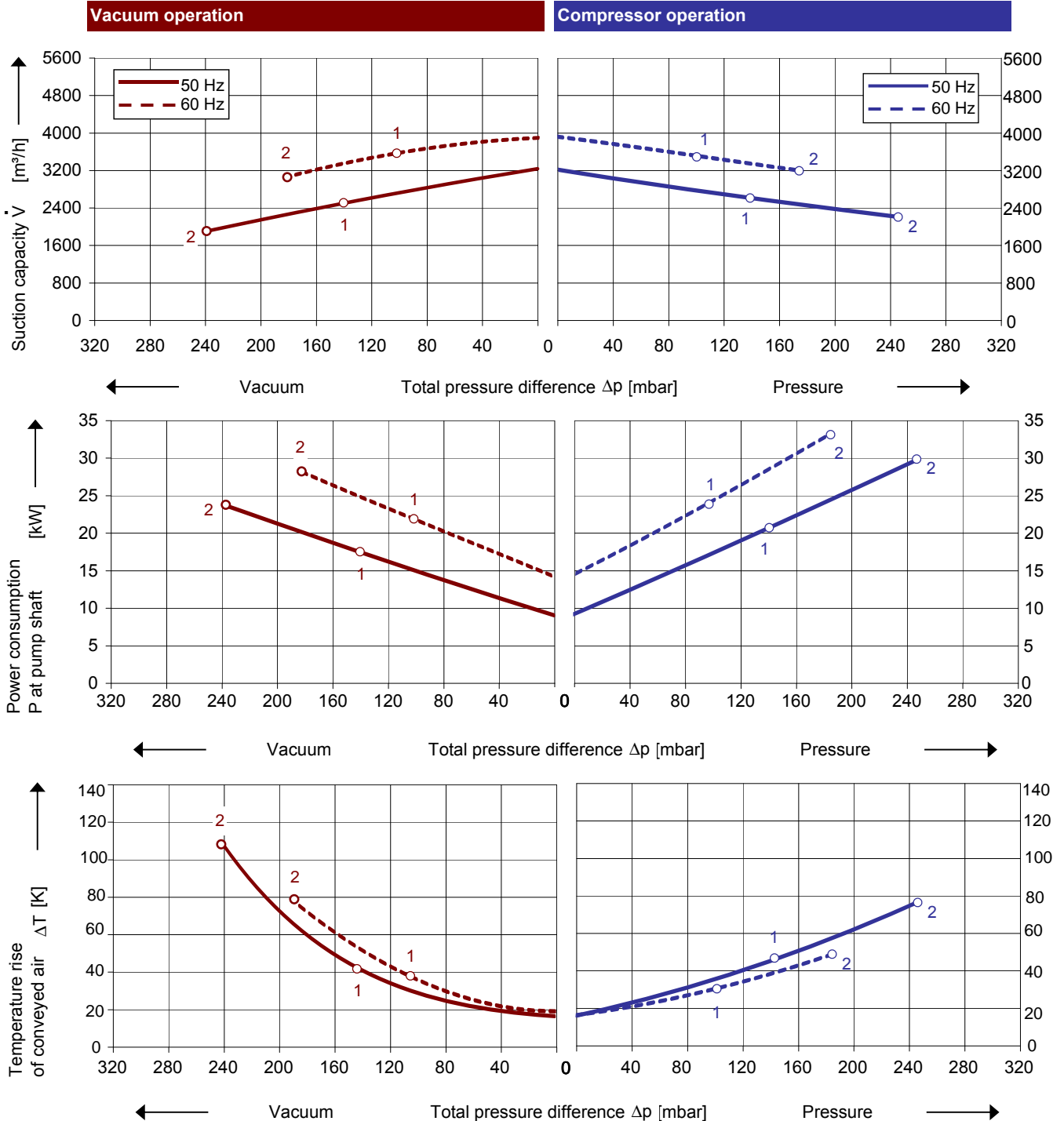


- 1) We recommend differential pressure indicators / switches for limiting differential pressure. Relief valves are only useable at defined frequency.
- 2) Measuring surface sound pressure level acc. to EN ISO 3744, measured with an equivalent unit at a distance of 1 m. The pump is throttled to an average suction pressure, with piping connected, but no relief valves fitted, tolerance  $\pm 3$  dB (A).
- 3) PTC recommended for motor overload protection. Ordering example: 2HB 963 □□□□-□□-□

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### Performance curves



The performance curves are based on air at a temperature of 15 °C and an atmospheric pressure of 1013 mbar with a tolerance of  $\pm 10\%$ . The total pressure differences are valid for suction and ambient temperature up to 25 °C. For other conditions please get in touch with us.

The performance curves are based on frequency converter operation and a pulse frequency of 4 kHz minimum. Rated voltage/frequency set point is 380 V / 87 Hz and delta connection of motor. Frequency converters must be connected to a mains voltage of 380 V minimum.