DEREIKE

Data sheet DHB 810

Side channel blower with IE3-motors

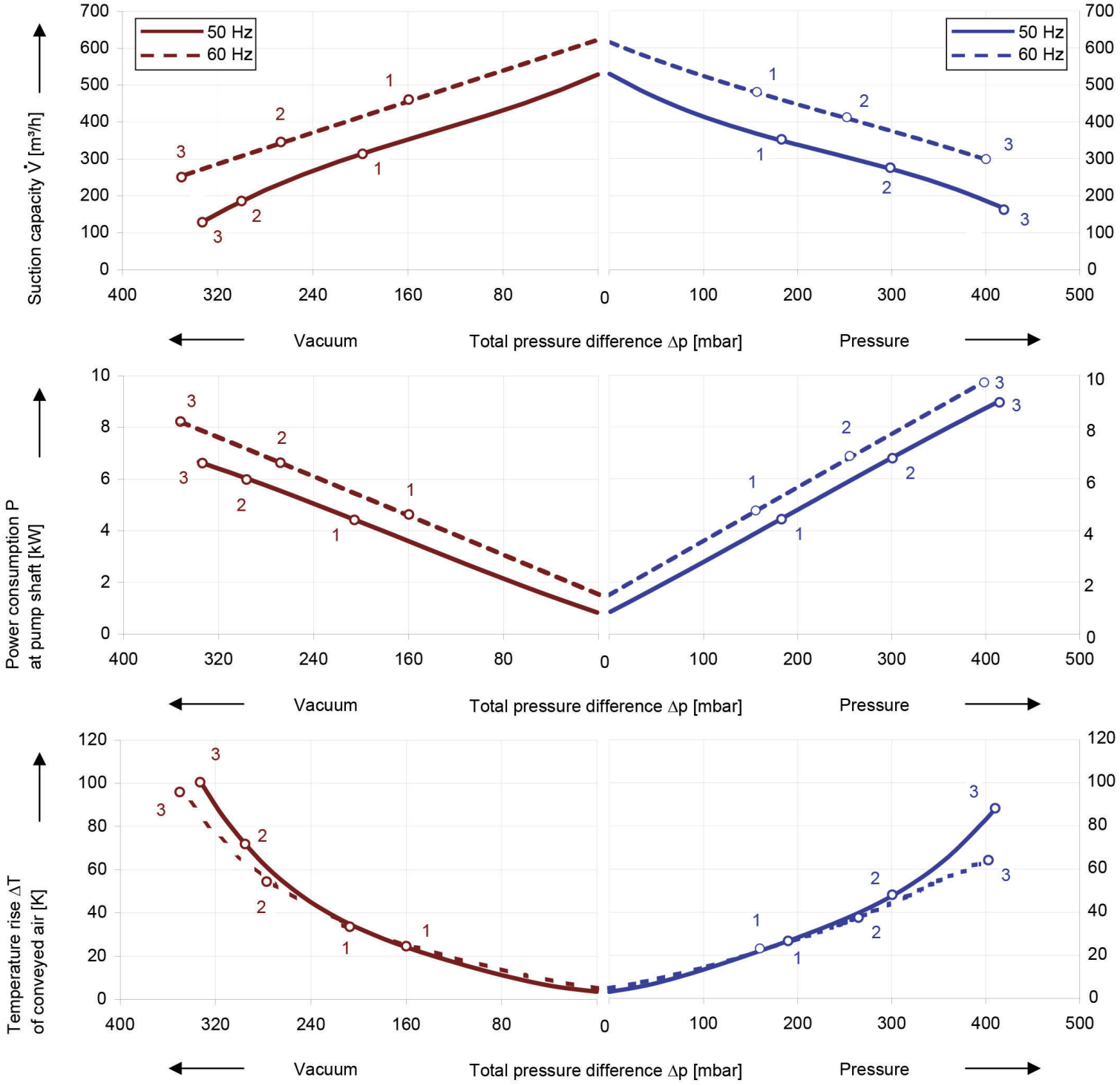
IE3



Performance curves

Vacuum operation

Compressor operation



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

All our pump can be used both as vacuum pump and compressor in continuous operation over the total performance curve range. The motors are available as standard in protection category IP 55 and insulation class F.

Selection and ordering data

Type DHB 810

No.	Frequency	Rated			Max. differential pressure		Sound pressure level	Efficiency class	Weight Approx.	Order No.
		Voltage	Current	Power	Vacuum	Pressure				
	Hz	V	A	kW	mbar		dB(A)		kg	
IE3	**3~ 50/60 Hz, IP55, Insulation material class F**									
1	50	380-420△/660-725Y	8.6△/5.0Y	4.6	-200	180	70	IE3	62	**DHB 810C 4D3**
	60	460-520△/790-870Y	8.4△/4.8Y	5.3	-160	150	74	IE3		
2	50	380-420△/660-725Y	11.8△/6.8Y	6.3	-300	300	70	IE3	73	**DHB 810C 5D5**
	60	460-520△/790-870Y	11.6△/6.7Y	7.3	-270	250	74	IE3		
3	50	380-420△/660-725Y	15.5△/8.9Y	8.6	-340	420	70	IE3	77	**DHB 810C 7D5**
	60	460-520△/790-870Y	15.3△/8.8Y	9.9	-350	400	74	IE3		
IE3	**3~ 50/60 Hz, IP55, Insulation material class F**									
1	50	220-240△/380-420Y	14.9△/8.6Y	4.6	-200	180	70	IE3	62	**DHB 810B 4D3**
	60	265-290△/460-520Y	14.5△/8.4Y	5.3	-160	150	74	IE3		
2	50	220-240△/380-420Y	20.4△/11.8Y	6.3	-300	300	70	IE3	73	**DHB 810B 5D5**
	60	265-290△/460-520Y	20.1△/11.6Y	7.3	-270	250	74	IE3		
3	50	220-240△/380-420Y	26.8△/15.5Y	8.6	-340	420	70	IE3	77	**DHB 810B 7D5**
	60	265-290△/460-520Y	26.5△/15.3Y	9.9	-350	400	74	IE3		

1) In case of frequency converter operation the standard motor insulation system is suitable for converter input voltages up to 500 V.

2) Relief valves available for limiting differential pressure.

3) 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 ±3 dB (A).

4) PTC recommended for motor overload protection. Ordering example: DHB 410 XXX

All our series match the 2006/42/EC (machinery) and 2006/95/EC (low voltage) directives and the EN 60034 norm “Rotating electrical machines”.

Voltage tolerances for three phase motors are +/-10%.
The frequency tolerance is +/- 2 % maximum.



Changes in particular of the quoted performance curve, data and weights may occur without prior notice. The data given do not constitute an obligation from our side to deliver as shown.

DEREIKE
Air pumps and systems

Dongguan Dereike Intelligent M&E Equipment Co.,Ltd.

Tel: +86(769) 2688 0032
Mail: info@dereike.com
www.dereikeblower.com
www.dereike.com