HPC KAESER COMPRESSORS

COMPRESSOR DATA SHEET

ROTARY COMPRESSOR: FIXED SPEED

bcas BRITISH COMPRESSED AIR SOCIETY

MODEL DATA - FOR COMPRESSED AIR					
1	**Manufacturer:**	HPC - KAESER COMPRESSORS			
2	**Model No:**	DSD240		**Date:**	**16.03.2026**
	X	**Air Cooled**		**Type:**	**Screw**
		Water Cooled		**# of Stages:**	**1**
		Other	**Please State:**		

3*	**Rated Capacity at Full Load Operating Pressure** [a,e]	**20.40**	m^3/min [a,e]
4*	**Full Load Operating Pressure** [b]	**10.00**	bar g [b]
5	**Maximum Full Flow Operating Pressure** [c]	**12.00**	bar g [b]
6	**Drive Motor Nominal Rating**	**132.00**	kW
7	**Drive Motor Nominal Efficiency**	**96.40**	% (percent)
8	**Fan Motor Nominal Rating (if applicable)**	**2.2/1.5**	kW
9	**Fan Motor Nominal Efficiency**	**- / 85.3**	% (percent)
10*	**Total Package Input Power at Zero Flow** [e]	**26.80**	kW [e]
11	**Total Package Input Power at Rated Capacity and Full Load Operating Pressure** [d]	**136.10**	kW [d]
12	**Package Specific Power at Rated Capacity and Full Load Operating Pressure** [e]	**6.67**	kW/m3/min [e]
13	**Isentropic Efficiency**	**86.00**	% (percent)

*For models that are tested in the BCAS Data Sheet & Verification Programme, these items are verified by the third party administrator. Consult BCAS website for a list of participants in the third party verification programme: www.bcas.org.uk

Notes:

a. Measured at the discharge terminal point of the compressor in accordance with ISO1217, Annex E; m^3/min is cubic metres per minute at inlet conditions.

b. The operating pressure at which the capacity (item 3) and Electrical Consumption (Item 11) were measured for this data sheet.

c. Maximum pressure attainable at full flow, usually the unload pressure setting for load / no load control or the maximum pressure attainable before capacity control begins. May require additional power.

d. Total package input power at other than reported operating points will vary with control strategy.

e. Tolerance is specified in ISO 1217, Annex C, as shown in table below:
The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions	Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m^3/min	%	%	%
Below 0.5	+/- 7	+/- 8	+/- 10
0.5 to 1.5	+/- 6	+/- 7	
1.5 to 15	+/- 5	+/- 6	
Above 15	+/- 4	+/- 5	

This form was developed by the British Compressed Air Society (BCAS) for the use of its members participating in the DS&VP. BCAS has not independently verified the reported data.