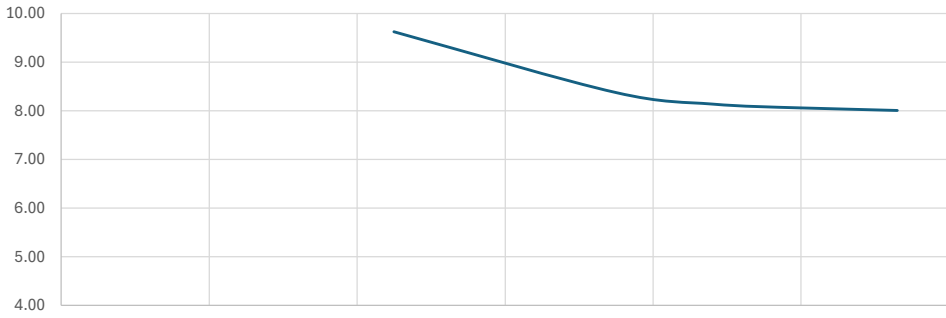


MODEL DATA - FOR COMPRESSED AIR					
<b>1</b>	Manufacturer:	Champion			
<b>2</b>	Model No:	FM7RS		Date:	01.08.2024
	X	Air Cooled		Type:	Regulated Speed
		Water Cooled		# of Stages:	1
		Other	Please State:		
<b>3</b>	Full Load Operating Pressure	7	bar g		
<b>4</b>	Drive Motor Nominal Rating	7.5	kW		
<b>5</b>	Drive Motor Nominal Efficiency	90.1	% (percent)		
<b>6</b>	Fan Motor Nominal Rating (if applicable)	n/a	kW		
<b>7</b>	Fan Motor Nominal Efficiency	n/a	% (percent)		
<b>8</b>	Range	Input Power (kW)	Capacity (m <sup>3</sup> /min)	Specific Power (kW/m <sup>3</sup> /min)	Isentropic Efficiency (%)
	Maximum Speed 100%	9.05	1.13	8.01	59.10%
		8.06	1	8.06	58.72%
		7.16	0.88	8.14	58.17%
		6.28	0.75	8.37	56.53%
	Minimum Speed	4.33	0.45	9.62	49.19%
<b>9</b>	Total Package Input Power at Zero Flow	2.1	kW		
<b>10</b>	<div style="text-align: center;">  <p>Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 4 to 10, + 1kW/m<sup>3</sup>/min increments X-Axis Scale, 0 to 25% over maximum capacity</p> </div>				

\*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](http://www.bcas.org.uk)

**Notes:**

- a. Measured at the discharge terminal point of the compressor in accordance with ISO1217, Annex E; m<sup>3</sup>/min is cubic metres per minute at inlet conditions.
- b. The operating pressure at which the capacity (item 8) and Electrical Consumption (Item 8) were measured for this data sheet.
- c. No Load Power in accordance with ISO1217, Annex E, if measurement of no load power equals less than 1%, manufacturer may state "not significant" or "0" on the test report.
- d. Tolerance is specified in ISO1217, Annex E, as shown in table below:
- e. 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 <sup>3</sup> /min	%	%	%
Below 0.5	+/- 7	+/- 8	+/- 10
0.5 to 1.5	+/- 6	+/- 7	
1.5 to 15	+/- 5	+/- 6	
Above 15	+/- 4	+/- 5	