

## COMPRESSOR DATA SHEET

### Rotary Vane Compressor: Fixed Speed

#### MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: <b>Mattei Compressors Inc.</b>		
2	Model Number: <b>BLADE 5s HHX @50</b>	Date:	<b>Jun-18</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type:	<b>Vane</b>
	<input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages:	<b>1</b>
3	Rated Capacity at Full Load Operating Pressure <sup>a</sup>	<b>23.1</b>	acfm <sup>a</sup>
4	Full Load Operating Pressure <sup>b</sup>	<b>168</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>175</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>7.5</b>	hp
7	Drive Motor Nominal Efficiency	<b>89.5</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>0.2</b>	hp
9	Fan Motor Nominal Efficiency	<b>65.0</b>	percent
10	Total Package Input Power at Zero Flow	<b>1.83</b>	Kw
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>6.5</b>	kW <sup>d</sup>
12	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure	<b>27.98</b>	kW/100 cfm

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet 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.

