

COMPRESSOR DATA SHEET

Rotary Vane Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: Mattei Compressors Inc.		
2	Model Number: BLADE 5s HX @500I		Date: Jun-18
	☒ Air-cooled ☐ Water-cooled	Type:	Vane
	☒ Oil-injected ☐ Oil-free	# of Stages:	1
3	Rated Capacity at Full Load Operating Pressure ^a	27.2	acfm ^a
4	Full Load Operating Pressure ^b	125	psig ^b
5	Maximum Full Flow Operating Pressure ^c	150	psig ^c
6	Drive Motor Nominal Rating	7.5	hp
7	Drive Motor Nominal Efficiency	89.5	percent
8	Fan Motor Nominal Rating (if applicable)	0.2	hp
9	Fan Motor Nominal Efficiency	65.0	percent
10	Total Package Input Power at Zero Flow	1.81	Kw
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	6.4	kW ^d
12	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure	23.34	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.

