



COMPRESSOR DATA SHEET

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Ingersoll Rand		
2	Model Number UP6 50PE-125 / EF50		Date: June 2012
	☒ Air-cooled ☐ Water-cooled	Type:	Screw
	☒ Oil Injected ☐ Oil-Free	# of Stages:	1
3*	Rated Capacity at Full Load Operating Pressure ^{a, e}	208	acfm ^{a, e}
4	Full Load Operating Pressure ^b	125	psig ^b
5	Maximum Full Flow Operating Pressure ^c	125	psig ^c
6	Drive Motor Nameplate Rating	50	hp
7	Drive Motor Nameplate Nominal Efficiency	94.5	percent
8	Fan Motor Nameplate Rating (if applicable)	1.5	hp
9	Fan Motor Nameplate Nominal Efficiency	85.5	percent
10*	Total Package Input Power at Zero Flow ^e	15.7	kW ^e
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	46.0	kW ^d
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure ^e	22.1	kW/100 cfm ^e

* For models that are tested in the CAGI Performance Verification Program, these are the items verified by the third party program administrator

Consult CAGI website for a list of participants in the third party verification program:

www.cagi.org

NOTES:

Member:



- 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.
- The operating pressure at which the Capacity (item 3) and Electrical Consumption (item 11) were measured for this data sheet.
- 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
- Total package input power at other than reported operating points will vary with control strategy.
- Tolerance is specified in ISO 1217, Annex C, as shown in table below.

Volume Flow Rate at specified conditions		Volume Flow Rate ^f	Specific Energy ^g Consumption	No Load / Zero Flow Power ^e
m ³ / min	ft ³ / min	%	%	
Below 0.5	Below 15	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	15 to 50	+/- 6	+/- 7	
1.5 to 15	50 to 500	+/- 5	+/- 6	
Above 15	Above 500	+/- 4	+/- 5	

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