

## **COMPRESSOR DATA SHEET**



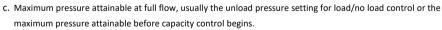
**Rotary Compressor: Fixed Speed** 

Data	1	2020
Date:	Julv 1.	2020

			Date.	July 1, 2020
Α	Manufacturer:	Quincy Compressor		
В	Base Model:	QOFT-20		
С	Cooling:	Air-Cooled		
D	Type:	Oil-Free		
E	Stages:	2		
F	Drive Motor Nominal Rating		20	hp
$\eta_{isen}$	Full-load package Isentropic Efficiency at Rated Capacity and Full Load Operating Pressure		59.2	Percent <sup>e</sup>
G	Rated Capacity at Full Load Operating Pressure <sup>a</sup>		72.9	acfm <sup>a,g</sup>
Н	Full Load Operating Pressure b		116	psig b
I	Maximum Full Flow Operating Pressure <sup>c</sup>		125	psig <sup>c</sup>
J	Pressure Ratio <sup>f</sup>		9.0	
K	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>		17.8	$kW^d$
L	Total Package Input Power at Zero Flow <sup>g</sup>		5.5	kW <sup>g</sup>
	Specific Package Input Operating Pressure	Power at Rated Capacity and Full Load	24.37	kW/100 cfm <sup>e</sup>

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 G) and Electrical Consumption (Item K) were measured for this data sheet.



- d. Total package input power at other than reported operating points will vary with control strategy.
- e. Isentropic Efficiency = theoretical power required divided by real measurement performance at same flow and pressure
- f. Pressure Ratio = the ratio of discharge pressure to inlet pressure, as determined at full-load operating pressure
- g. Tolerance is specified in ISO 1217, Annex C, as shown in table below:

Volume I	Flow Rate		Specific Energy	
at specified	d conditions	Volume Flow Rate	Consumption	No Load / Zero Flow Power
m³ / min	ft3 / min	%	%	
Below 0.5	Below 15	+/- 7	+/- 8	
0.5 to 1.5	15 to 50	+/- 6	+/- 7	+/- 10%
1.5 to 15	50 to 500	+/- 5	+/- 6	
Above 15	Above 500	+/- 4	+/- 5	

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