

COMPRESSOR DATA SHEET



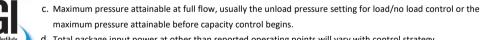
Rotary Compressor: Fixed Speed

Date:	Julv 1.	2020
Date.	July 1,	2020

			2416.	July 1, 2020
Α	Manufacturer:	Quincy Compressor		
В	Base Model:	QOFT-40		
С	Cooling:	Air-Cooled		
D	Type:	Oil-Free		
Е	Stages:	2		
F	Drive Motor Nominal Rating		40	hp
η_{isen}	Full-load package Isent at Rated Capacity and I	ropic Efficiency Full Load Operating Pressure ^e	65.7	Percent ^e
G	Rated Capacity at Full L	oad Operating Pressure ^a	162.4	acfm ^{a,g}
Н	Full Load Operating Pre	essure b	116	b psig
I	Maximum Full Flow Op	erating Pressure ^c	125	psig ^c
J	Pressure Ratio ^f		9.0	
К	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d		35.7	kW^d
L	Total Package Input Po	wer at Zero Flow ^g	8.9	kW ^g
	Specific Package Input Operating Pressure	Power at Rated Capacity and Full Load	21.96	kW/100 cfm ^e

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 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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