



1217:2009

COMPRESSOR DATA SHEET



Rotary Compressor: Fixed Speed

Date: July 1, 2020

A	Manufacturer:	Quincy Compressor		
B	Base Model:	QOFT-30		
C	Cooling:	Air-Cooled		
D	Type:	Oil-Free		
E	Stages:	2		
F	Drive Motor Nominal Rating	30	hp	
η_{isen}	Full-load package Isentropic Efficiency at Rated Capacity and Full Load Operating Pressure ^e	59.7	Percent ^e	
G	Rated Capacity at Full Load Operating Pressure ^a	114.0	acfm ^{a,g}	
H	Full Load Operating Pressure ^b	116	psig ^b	
I	Maximum Full Flow Operating Pressure ^c	125	psig ^c	
J	Pressure Ratio ^f	9.0		
K	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	27.5	kW ^d	
L	Total Package Input Power at Zero Flow ^g	7.3	kW ^g	
	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure	24.15	kW/100 cfm ^e	

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



Volume Flow Rate at specified conditions		Volume Flow Rate %	Specific Energy Consumption %	No Load / Zero Flow Power
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	