COMPRESSOR DATA SHEET

In Accordance With Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Variable Frequency Drive

1 Manufacturer: SULLIVAN PALATEK 2 Model Number: UD-40 VFD Date: 03/26/16 2 Air-cooled Water-cooled Type: Screw # Full Load Operating Pressure 1 psig 1 3* Full Load Operating Pressure 93.6 percent 6 Fan Motor Nominal Rating 40 hp 7 Fan Motor Nominal Efficiency 93.6 percent 6 Fan Motor Nominal Efficiency 85.5 percent 7 Fan Motor Nominal Efficiency 85.5 percent 10 Input Power (kW) Capacity (acfm) ^{a,d} (kW/100 acfm) ^d 39.4 165 23.88 23.6 14.0 50 27.78 9* Total Package Input Power at Zero Flow ^{c, d} 0.0 kW 10 Isentropic Efficiency 62.5 % % 11 Isentropic Efficiency 62.5 % % 11 Stop Stop Stop Stop 12 Stop Stop Stop Stop Stop	<u> </u>					OR COMPRESS		
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5 Drive Motor Nominal Efficiency 93.6 percent 6 Fan Motor Nominal Efficiency 85.5 percent 7 Fan Motor Nominal Efficiency 85.5 percent Input Power (kW) Capacity (acfm) ^{0.d} Specific Power 39.4 165 23.88 8* 35.1 150 23.40 23.6 100 23.72 20.4 83 24.58 14.0 50 27.78 9* Total Package Input Power at Zero Flow ^{c, d} 0.0 kW 10 Isentropic Efficiency 62.5% % Store Graph S only a visual representation of the data in Section 8 Note: Graph S only a visual representation of the data in Section 8 Note: Graph S only a visual representation of the data in Section 8 Note: Graph S only a visual representation of the data in Section 8 Note: Graph S only a visual representation of the data in Section 8 Note: Graph S only a visual representation of the data in Section 8 Note: Graph S only a visual representation of the data in Section 8 Note: Graph S only a visual representation of t	3*	Full Load C	Derating	Pressure ^b		125	0	psig ^b
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$11 \qquad $	6	Fan Motor	Nominal I	Rating (if a	applicable)	1		hp
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11	9*	Total Package Input Power at Zero Flow ^{c, d}					kW	
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Capacity (ACFM) Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35	11	Specific Power	- 00.00 400 400 400 400 400 400 400 400 4					
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c. No Load Power. In accordance with ISO 1217, Annex E, if measurement of no load power equals less than 1%,	For model	s that are tested AGI website for a. Measu ACFM b. The op c. No Lo manufi d. Tolera	25.00 - 15.00 - 15.00 - 10.00 - 10.	Note: Y I Performar ticipants in f scharge termi bic feet per n sure at which n accordance state "not sig ied in ISO 12	te: Graph is only a vi Axis Scale, 10 to 35, X-Axis Scale, Ince Verification F the third party ve nal point of the co- ninute at inlet cond the Capacity (Iten with ISO 1217, Ar inficant" or "0" on 217, Annex E, as sh	Capacity (ACFM) sual representation of the data + 5kW/100acfm increments if n 0 to 25% over maximum capaci program, these items are rification program: mpressor package in accon itions. 	verified by the th www.cagi.org dance with ISO 12 nption (Item 8) wer ino load power equ	ird party administrate 17, Annex E; e measured for this dat
 a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E; ACFM is actual cubic feet per minute at inlet conditions. b. The operating pressure at which the Capacity (Item 8) and Electrical Consumption (Item 8) were measured for this data c. No Load Power. In accordance with ISO 1217, Annex E, if measurement of no load power equals less than 1%, manufacturer may state "not significant" or "0" on the test report. d. Tolerance is specified in ISO 1217, Annex E, as shown in table below: NOTE: The terms "power" and "energy" are synonymous for purposes of this document. 	For model Consult CA	s that are tested AGI website for a. Measu ACFM b. The op c. No Lo manuf, d. Tolera NOTE	in the CAC a list of par red at the dis is actual cu erating press ad Power. In acturer may ince is specif : The terms	Note: Y I Performar ticipants in f scharge termi bic feet per n sure at which n accordance state "not sig ied in ISO 12	te: Graph is only a vi Axis Scale, 10 to 35, X-Axis Scale, Ince Verification F the third party ve nal point of the co- ninute at inlet cond the Capacity (Iten with ISO 1217, Ar inficant" or "0" on 217, Annex E, as sh	Capacity (ACFM) sual representation of the data + 5kW/100acfm increments if m 0 to 25% over maximum capaci irrogram, these items are rification program: mpressor package in accou- itions. 8) and Electrical Consur nex E, if measurement of the test report. Nown in table below: nymous for purposes of th	verified by the th www.cagi.org dance with ISO 12 nption (Item 8) wer no load power equ is document.	ird party administrate 17, Annex E; e measured for this dat
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12/19 Rev 3 This form was developed by the Compressed Air and Gas Institute for the use of its members participating in the PVP. CAGI has not independently verified the reported data.