Chicago Pneumatic

COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

	Manufactu		Chicago Pneumatic	I		4
	Model Nur	nber:	CPVSD 35	Date:	May-18	-
2	x Air-cooled Water-cooled			Type:	Screw	-
	x Oil-injected Oil-free			# of Stages:	1	
3	Rated Oper	rating Press	sure	150	psig ^b	
4	Drive Motor Nominal Rating			35	hp	
5	Drive Motor Nominal Efficiency			92.4	percent	
6	Fan Motor Nominal Rating (if applicable)			1.48	hp	
7	Fan Motor	Nominal E	Efficiency	84	percent	
	Input Power (kW)			Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d	_
	35.5 Max			139.6	25.43	=
8*	31.3			123.7	25.30	=
	25.1			100.9	24.88	=
	18.8			70.7	26.59	_
		15.5	Min	55.3	28.03	_
9*	Total Pack	age Input P	Power at Zero Flow ^{c, d}	0.0	kW	_
	cific Power	30.00	~			
10	Specific Power					
10	Specific Power	25.00	25.0 50.0	75.0 100.0	125.0 150.0	
10	Specific Power	25.00 20.00 15.00	Capa Note: Graph is only a visual n Note: Y-Axis Scale, 10 to 35, + 5kV	ncity (ACFM) representation of the data in Sect	ion 8	
*For mode Consult C NOTES: Member	els that are teste CAGI website fo : a. Measu ISO 12 b. The op c. No Loa manufa d. Toleran	d in the CAG or a list of par red at the discl 217, Annex E; perating pressu ad Power. In a acturer may sta nce is specified	Capa Note: Graph is only a visual n Note: Y-Axis Scale, 10 to 35, + 5kV	Acity (ACFM) representation of the data in Sect W/100acfm increments if necessary 25% over maximum capacity Program, these items are v erification program: npressor package in accordate ninute at inlet conditions. Electrical Consumption were inex E, if measurement of no the test report. own in table below:	ion 8 y above 35 verified by program adminis www.cagi.org nce with measured for this data sheet. o load power equals less than	
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*For mode Consult C NOTES: Member	els that are teste CAGI website fo : a. Measu ISO 12 b. The op c. No Loa manufa d. Toleran NOTE	d in the CAG or a list of par red at the discl 217, Annex E; perating pressu acturer may sta nce is specified : The terms "p	CapaNote: Graph is only a visual inNote: Y-Axis Scale, 10 to 35, + 5ky X-Axis Scale, 0 to 2GI Performance Verification 1ticipants in the third party verticipants in the third party verharge terminal point of the contact acfm is actual cubic feet per mare at which the Capacity and Eaccordance with ISO 1217, Anate "not significant" or "0" ond in ISO 1217, Annex E, as shpower" and "energy" are synontime Flow Rateeified conditions <u>ft3/min</u>	Active (ACFM) representation of the data in Sect W/100acfm increments if necessary 25% over maximum capacity Program, these items are v erification program: y npressor package in accordation inute at inlet conditions. Electrical Consumption were unex E, if measurement of not the test report. own in table below: hymous for purposes of this c	ion 8 y above 35 verified by program adminis www.cagi.org nce with measured for this data sheet. o load power equals less than document. Specific Energy	1%, No Load / Zero
*For mode Consult C NOTES: Member	els that are teste CAGI website fo : a. Measu ISO 12 b. The op c. No Loa manufa d. Toleran NOTE	d in the CAG 15.00 15.00 10.00 0.0 d in the CAG or a list of par red at the discle 217, Annex E; perating pressu ad Power. In a acturer may stance is specified: The terms "p Volu at spec $\underline{m^3 / \min}$	Capa Note: Graph is only a visual of Note: Y-Axis Scale, 10 to 35, + 5ky X-Axis Scale, 0 to 2 FI Performance Verification f tricipants in the third party ver harge terminal point of the com acfm is actual cubic feet per m are at which the Capacity and E accordance with ISO 1217, An ate "not significant" or "0" on d in ISO 1217, Annex E, as sh power" and "energy" are synon time Flow Rate cified conditions	Active (ACFM) representation of the data in Sect W/100acfm increments if necessary 25% over maximum capacity Program, these items are v erification program: y npressor package in accordations. Electrical Consumption were innute at inlet conditions. Electrical Consumption were innex E, if measurement of no the test report. own in table below: ymous for purposes of this con Volume Flow Rate %	ion 8 y above 35 verified by program adminis www.cagi.org nce with measured for this data sheet. o load power equals less than document. Specific Energy Consumption %	1%, No Load / Zero