## Chicago Pneumatic

## **COMPRESSOR DATA SHEET**

## **Rotary Compressor: Variable Frequency Drive**

	Manufacturer		Chicago Pneumatic			4
	Model Number: CPVSD 35		CPVSD 35	Date:	May-18	-
2	x Air-cooled Water-cooled			Type:	Screw	-
	x Oil-injected Oil-free			# of Stages:	1	
3	Rated Operating Pressure			125	psig <sup>b</sup>	
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 Efficiency			84	percent	
	Input Power (kW)			Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>	
	36.0 Max			152.3	23.64	-
8*	28.5			125.0	22.80	-
	24.9			112.2	22.19	-
	20.6			89.4	23.04	=
	15.5 Min			62.3	24.88	
9*	Total Package	e Input Po	ower at Zero Flow <sup>c, d</sup>	0.0	kW	
	ecific Power //100 ACFM)	25.00				
10	Specific Po (kW/100 AC	25.00				
10		20.00	25.0 50.0 75. Capa		150.0 175.0	
10		20.00	<b>Capa</b> <b>Note: Graph is only a visual</b> Note: Y-Axis Scale, 10 to 35, + 5k <sup>3</sup>	acity (ACFM) representation of the data in Sect	ion 8	
*For mode Consult C NOTES: Member	els that are tested in CAGI website for a : a. Measured ISO 1217 b. The opera c. No Load I manufactu d. Tolerance	20.00 15.00 10.00 0.0 10.00 0.0 n the CAG a list of part a the disch a the disch y, Annex E; a ating pressur Power. In a urer may sta e is specified	Capa Note: Graph is only a visual Note: Y-Axis Scale, 10 to 35, + 5k X-Axis Scale, 0 to 2 I Performance Verification icipants in the third party v arge terminal point of the con acfm is actual cubic feet per m re at which the Capacity and I	Acity (ACFM) representation of the data in Sect W/100acfm increments if necessary 25% over maximum capacity Program, these items are v erification program: mpressor package in accordations. Electrical Consumption were mex E, if measurement of not the test report. Nown in table below:	ion 8 rabove 35 rerified by program administ www.cagi.org nce with measured for this data sheet. b load power equals less than 1	
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*For mode Consult C NOTES: Member	els that are tested in CAGI website for a : a. Measured ISO 1217 b. The opera c. No Load I manufactu d. Tolerance NOTE: T	20.00 15.00 15.00 10.00 0.0 10.00 0.0 10.00 10.00 0.0 10.00 10.00 0.0 10.00 10.00 0.0 10.00 10.00 0.0 10.00 10.	Capa Note: Graph is only a visual Note: Y-Axis Scale, 10 to 35, + 5k X-Axis Scale, 0 to 2 I Performance Verification icipants in the third party v arge terminal point of the con acfm is actual cubic feet per n re at which the Capacity and I ccordance with ISO 1217, An te "not significant" or "0" on in ISO 1217, Annex E, as sh ower" and "energy" are synor me Flow Rate fied conditions	Acity (ACFM) representation of the data in Sect W/100acfm increments if necessary 25% over maximum capacity Program, these items are v erification program: y mpressor package in accordations. Electrical Consumption were mex E, if measurement of not the test report. nown in table below: mymous for purposes of this con Volume Flow Rate %	ion 8 be above 35 erified by program administ www.cagi.org nce with measured for this data sheet. to load power equals less than 1 document. Specific Energy Consumption %	1%, No Load / Zero I