Chicago Pneumatic

COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

	Manufacture		Chicago Pneun			1	4
	Model Number: CPVSD 50			Date:	May-18	-	
2	x Air-cooled Water-cooled			Type:	Screw	-	
	x Oil-injected Oil-free			# of Stages:	1		
3	Rated Operating Pressure				150	psig ^b	
4	Drive Motor Nominal Rating			50	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) ^{a,d}	Specific Power (kW/100 acfm) ^d	_	
	44.0 Max			182.7	24.08	4	
8*	37.9			159.0	23.84	4	
	30.7			130.4	23.54	=	
	22.0			88.7	24.80	=	
	18.4			Min		25.84	4
9*	Total Packag	ge Input P	ower at Zero Flo	w ^{c, d}	0.0	kW	_
	ific Power 00 ACFM)	25.00		<u> </u>			
10	Specific Power (kW/100 ACFM)	25.00					
10	Specific Power (kW/100 ACFM)	20.00	25.0 50.0	75.0	100.0 125.0 150.0	175.0 200.0	
10	Specific Power (kW/100 ACFM)	20.00	Note: Graph is only Note: Y-Axis Scale, 10 to	Capa y a visual r o 35, + 5kW	100.0 125.0 150.0 city (ACFM) representation of the data in Sec V/100acfm increments if necessar 25% over maximum capacity	ction 8	
*For mode Consult C NOTES: Member	els that are tested CAGI website for a. Measured ISO 1217 b. The oper c. No Load manufact d. Tolerance	20.00 15.00 10.00 10.00 0.0 in the CAG a list of part d at the disch 7, Annex E; ating pressur Power. In a turer may sta e is specified	Note: Graph is only Note: Y-Axis Scale, 10 to X-Axis Scale, 10 to	Capa y a visual r o 35, + 5kW Scale, 0 to 2 fication I l party ve of the com Set per m Sity and E 1217, An or "0" on the capacity shows	city (ACFM) representation of the data in Sec V/100acfm increments if necessar 5% over maximum capacity Program, these items are erification program: npressor package in accordation inute at inlet conditions. Electrical Consumption were nex E, if measurement of n the test report.	ction 8 ry above 35 verified by program administ <u>www.cagi.org</u> lance with re measured for this data sheet. no load power equals less than 1	
*For mode Consult C NOTES:	els that are tested CAGI website for a a. Measured ISO 1217 b. The oper c. No Load manufact d. Tolerance NOTE: 7	20.00 15.00 10	Note: Graph is only Note: Y-Axis Scale, 10 to X-Axis Scale, 10 to	Capa y a visual r o 35, + 5kW Scale, 0 to 2 fication I l party ve of the com Set per m Sity and E 1217, An or "0" on the capacity shows	city (ACFM) representation of the data in Sec V/100acfm increments if necessar 5% over maximum capacity Program, these items are verification program: npressor package in accordation accordation program: npressor package in accordation accordation and the conditions. Electrical Consumption were nex E, if measurement of n the test report. own in table below: ymous for purposes of this Volume Flow Rate	ction 8 ry above 35 verified by program administ <u>www.cagi.org</u> ance with re measured for this data sheet. no load power equals less than 1 document. Specific Energy Consumption	1%,
*For mode Consult C NOTES: Member	els that are tested CAGI website for a. Measurea ISO 1217 b. The oper c. No Load manufact d. Tolerance NOTE: 7	20.00 15.00 15.00 10.00 0.0 10.00 0.0 10.00 0.0 10.00 10.00 10.00 0.0 10.00 10.00 0.0 10.00 10.00 0.0 10.00 10	Note: Graph is only Note: Y-Axis Scale, 10 to X-Axis Scale, 10 to X-A	Capa y a visual r o 35, + 5kW Scale, 0 to 2 fication I l party ve of the com Set per m Sity and E 1217, An or "0" on the capacity shows	city (ACFM) representation of the data in Sec V/100acfm increments if necessar 5% over maximum capacity Program, these items are verification program: npressor package in accordation accordation program: npressor package in accordations. Electrical Consumption were nex E, if measurement of n the test report. own in table below: ymous for purposes of this Volume Flow Rate %	ction 8 ry above 35 verified by program administ <u>www.cagi.org</u> lance with re measured for this data sheet. to load power equals less than 1 document. Specific Energy Consumption %	1%, No Load / Zero
*For mode Consult C NOTES: Member	els that are tested CAGI website for a. Measured ISO 1217 b. The oper c. No Load manufact d. Tolerance NOTE: 7	20.00 15.00 10	Note: Graph is only Note: Y-Axis Scale, 10 to X-Axis Scale I Performance Verificipants in the third parge terminal point of acfm is actual cubic for the at which the Capac accordance with ISO 1 ate "not significant" of a in ISO 1217, Annex power" and "energy" a me Flow Rate ified conditions	Capa y a visual r o 35, + 5kW Scale, 0 to 2 fication I l party ve of the com Set per m Sity and E 1217, An or "0" on the capacity shows	city (ACFM) representation of the data in Sec V/100acfm increments if necessar 5% over maximum capacity Program, these items are verification program: npressor package in accordation accordation program: npressor package in accordation accordation and the conditions. Electrical Consumption were nex E, if measurement of n the test report. own in table below: ymous for purposes of this Volume Flow Rate	ction 8 ry above 35 verified by program administ <u>www.cagi.org</u> ance with re measured for this data sheet. no load power equals less than 1 document. Specific Energy Consumption	1%, No Load / Zero