Chicago Pneumatic

COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

1	Manufacture	r:	Chicago Pneumatic			
	Model Num	ber:	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			175	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	
·	42.3 Max			163.8	25.82	
8*	37.2			144.1	25.82	
	30.1			117.1	25.70	
	22.2			80.8	27.48	
	18.3 Min			62.5	29.28	
9*	^{)*} Total Package Input Power at		Power at Zero Flow ^{c, d}	0.0	kW	
10	Specific Power (kW/100 ACFM)	25.00 20.00 15.00 10.00 0.0	Capa Note: Graph is only a visual of Note: Y-Axis Scale, 10 to 35, + 5kV	city (ACFM) representation of the data in Sect V/100acfm increments if necessary	150.0 175.0 ion 8 above 35	
Consult C. NOTES: er	AGI website for a. Measure ISO 121' b. The oper c. No Load manufac d. Toleranc NOTE: '	a list of par a a the discl 7, Annex E; rating pressu Power. In a cturer may sta the is specified The terms "p Volu	ticipants in the third party veharge terminal point of the corr acfm is actual cubic feet per n re 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 me Flow Rate	erification program: <u>y</u> npressor package in accordan- ninute at inlet conditions. Electrical Consumption were nex E, if measurement of no the test report. own in table below:	www.cagi.org nce with measured for this data sheet. b load power equals less than	
		elow 0.5 5 to 1.5	Below 15 15 to 50	+/- 7 +/- 6	+/- 8 +/- 7	+/- 10%
	3 4 5 6 7 8* 9* 9* 10	2 x Air-c x Oil-in 3 Rated Opera 4 Drive Motor 5 Drive Motor 6 Fan Motor N 7 Fan Motor N 7 Fan Motor N 8* 30 9* Total Packag 10 Image: State of the second manuface of the second manufa	10 Image: Consult Consult CAGI website for a list of part NOTES: Iso 1217, Annex E; per Kasingting pressure of the operating pre	2 X Air-cooled Water-cooled 3 Oil-injected Oil-free 3 Rated Operating Pressure 4 Drive Motor Nominal Rating 5 Drive Motor Nominal Efficiency 6 Fan Motor Nominal Efficiency 7 Fan Motor Nominal Efficiency 7 Fan Motor Nominal Efficiency 8* 37.2 30.1 22.2 18.3 Min 9* Total Package Input Power at Zero Flow ^{c, d} 10 10 10 15.00 10 15.00 10 15.00 10 15.00 10 15.00 10 15.00 10 15.00 10 15.00 10 15.00 10 15.00 10 15.00 10 15.00 10.00 25.0 50.0 10.00 25.0 50.0 10.00 25.0 50.0 10.00 15.00 10.0 1	2 X Air-cooled Water-cooled Type: 3 Rated Operating Pressure 175 4 Drive Motor Nominal Rating 50 5 Drive Motor Nominal Efficiency 92.4 6 Fan Motor Nominal Efficiency 92.4 6 Fan Motor Nominal Efficiency 84 7 Fan Motor Nominal Efficiency 84 8# Input Power (kW) Capacity (acfm) ^{a,d} 8# 37.2 144.1 30.1 117.1 22.2 80.8 18.3 Min 9* Total Package Input Power at Zero Flow ^{c.d} 0.0 10 100 15.0 1000 125.0 100 15.0 10.0 125.0 Capacity (ACFM) Note: Graph is only a visual presentation of the data in Seet Net: YA&AB Scale, 00: 35.4 Note: Graph is only a visual presentation of the data in Seet Net: YA&B Scale, 00: 35.4 Note: Graph is only a visual presentation of the data in Seet Net: YA&B Scale, 00: 35.4 Note: Graph is only a visual presentation of the data in Seet Net: YA&B Scale, 00: 35.4 Notal Package Input Power at Zero Flow ^c of t	2 X Air-cooled Water-cooled Type: Screw 3 Rated Operating Pressure 175 psig ^b 4 Drive Motor Nominal Rating 50 hp 5 Drive Motor Nominal Efficiency 92.4 percent 6 Fan Motor Nominal Efficiency 84 percent 7 Fan Motor Nominal Efficiency 84 percent 8* 37.2 144.1 25.82 8* 30.1 117.1 25.70 22.2 80.8 27.48 18.3 Min 62.5 29.28 9* Total Package Input Power at Zero Flow ^{c.4} 0.0 kW 10 Jong 3.00 100 kW 15.00 10.0 Low Coll Package Input Power at Zero Flow ^{c.4} 0.0 kW KW 10 Jong Jong Jong Jong Jong Jong 10 Jong Jong Jong Jong Jong Jong Jong Jong Jong 10 Jong Jong Jong Jong