

Specifi



## RC2-580A Screw Compressor-R134a

ications	Displacement	CFM	60 Hz	413		
Cat rons	Rated Speed	Rpm	60 Hz	3550		
	Volume Ratio	Vi		2.6 (standard other Vi available)		
Compressor	Nominal Hp			131 Hp at 60 Hz		
	Capacity Control	%		35%,50%,75% & 100% Step Capacity Control, 50%~100% Continuous Stepless Capacity Controls		
	Lubrication			Differential Pressure Feed Lubricant		
	Туре			3 Phase, 2 Pole, Squirrel Cage, Induction Motor		
Motor	Insulation			Class F		
	Protection			3 PTC Protection 1 per winding		
Lubricant Charge	Gallons			5.3		
Oil Heater	Watts			300		
Hydrostatic Pressure test	lb/in <sup>2</sup> G			597		
Weight	Pounds			1775		

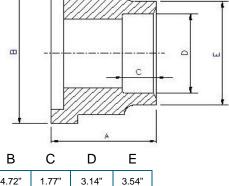
## **Standard Compressors Accessories**

- Modulating Slide Capacity
- Weather Proof Terminal Box for outdoor applications
- 115/1/60 Control Voltage
- 115/1/60 Crankcase heater
- Discharge Check Valve
- Discharge Service Valve (Discharge Stop Valve) with standard connection sizes and supplied with flanges and bushings
- Suction Service Valve (Suction Stop Valves) with standard connection sizes and supplied with flanges and bushings

- Oil Level Float Switch
- Suction Filter
- Oil Filter
- PSI Relief Valve
- Oil Sight Glass
- PT1000 for Reading Motor Temp
- INT69HBY supporting motor and discharge (PTC) temperature sensor protection as well as Phase Loss and Phase Reversal at Start Up Only

## **Ports**

- External Oil Cooler
- Liquid Injection (into screw chamber)
- Economizer
- Suction, Discharge & Oil Service



## **Connections**

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5	Discharge Stop Valve	3"				_	c
	Discharge Check Valve	3"				/////	7777
	Suction Stop Valve	4"					118
	Economizer	1 1/8" solder		_ A		-	
	Liquid Injection (chamber)	5/8" flare	Α	В	С	D	Е
	Discharge Side	Copper Pipe Sizing 3 1/8"	2.59"	4.72"	1.77"	3.14"	3.54"
	Suction Side	Copper Pipe Sizing 4 1/8"	2.99"	5.71"	1.97"	4.14"	4.56"

MCC	MCC & LRA Optimized for R134a							
	Hertz		Maximum Continuous Current	Υ-Δ		Part Wind Start		
		Volts		Locked Rotor Amps (Y)	Locked Rotor Amps (D)	Locked Rotor Amps (D)	Locked Rotor Amps (DD)	
	60	460	302	305	915	646	950	