



RC2-470BF Screw Compressor

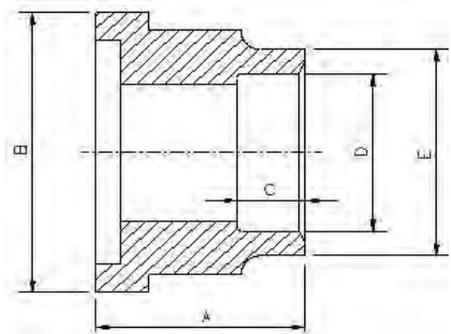
Specifications		Displacement	CFM	60 Hz	334	
Compressor	Rated Speed	Rpm	60 Hz	3550		
	Volume Ratio	Vi		2.6 (standard other Vi available)		
	Nominal Hp	170 Hp at 60 Hz				
	Capacity Control	%		25%,50%,75% & 100% Step Capacity Control, 50%~100% Continuous Stepless Capacity Controls		
	Lubrication	Differential Pressure Feed Lubricant				
	Motor	Type	3 Phase, 2 Pole, Squirrel Cage, Induction Motor			
Insulation		Class F				
Protection		3 PTC Protection 1 per winding				
Lubricant Charge	No internal oil separator or sump					
Hydrostatic Pressure test	lb/in ² G	597				
Weight	Pounds	1786				

Standard Compressors Accessories

- Modulating Slide Capacity
- Weather Proof Terminal Box for outdoor applications
- 115/1/60 Control Voltage
- Horizontal 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
- Suction 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



Connections

Discharge Stop Valve	3"					
Horizontal Discharge Check Valve	3"					
Suction Stop Valve	4"					
Economizer	7/8" solder					
Liquid Injection (chamber)	5/8" flare	A	B	C	D	E
Discharge Side	Copper Pipe Sizing 3 1/8"	2.60"	4.72"	1.77"	3.14"	3.54"
Suction Side	Copper Pipe Sizing 4 1/8"	2.99"	5.71"	1.97"	4.14"	4.57"

MCC & LRA

R22, R407C, R404A, R507A, R134a

Hertz	Volts	Maximum Continuous Current	Y-Δ		Part Wind Start	
			Locked Rotor Amps (Y)	Locked Rotor Amps (D)	Locked Rotor Amps (D)	Locked Rotor Amps (DD)
60	460	307	428	1285	915	1345