



RE-820A/B Screw Compressor

RE-A for Water-cooled in R134a refrigerant.

RE-B for Air-cooled & Heat-pump in R134a refrigerant.

Specifications



Compressor	Displacement	581 (CFM @ 60HZ)
	Rated Speed	3550 (RPM @ 60 HZ)
	Volume Ratio	2.6 standard (other Vi available)
	Nominal HP	197 HP (A Compressor) / 233 HP (B Compressor) @ 60 HZ
	Capacity Control	25%, 50% 75% & 100% Step Capacity Control, 25%-100% Continuous Stepless Capacity Controls
	Lubrication	Differential Pressure Feed Lubricant
Motor	Type	3 phase, 2 pole, squirrel cage, induction motor
	Starting	Y-Delta, DOL
	Voltage	460V
Lubricant Charge	Gallons	7.4
Oil Heater	Watts	300W
Weight	Pounds	2315

Standard Compressors Accessories

- Discharge Flange
- Discharge Horizontal Check Valve
- Discharge Stop Valve
- Discharge Temperature Sensor
- INT69 HBY Motor Protector
- IP54 Terminal Box
- Motor Temperature Sensor
- Oil Filter (if internal oil separator)
- Oil Heater (if internal oil separator)
- Optical Oil Switch (if internal oil separator)
- Suction Filter
- Suction Flange
- Suction Stop Valve

Ports

- External Oil Cooler
- Liquid Injection (into screw chamber)
- Economizer



Connections

Discharge Stop Valve	4"					
Discharge Check Valve	4"					
Suction Stop Valve	5"					
Economizer	1 3/8" solder					
Liquid Injection (chamber)	1/4" flare	A	B	C	D	E
Discharge Side	Copper Pipe Sizing 4 1/8"	2.99"	5.71"	1.97"	4.14"	4.53"
Suction Side	Copper Pipe Sizing 5 1/8"	2.95"	6.85"	1.38"	5.13"	5.77"

R134a Refrigerant

MCC & LRA

MODEL	Hertz	Volts	Maximum Continuous Current	Y-Δ	
				Locked Rotor Amps (Y)	Locked Rotor Amps (D)
RE820A	60	460	336	448	1345
RE820B	60	460	421	588	1765