



RE-420A/B Screw Compressor

RE-A for Water-cooled in R134a refrigerant.

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

Specifications



Compressor	Displacement	295 (CFM @ 60HZ)
	Rated Speed	3550 (RPM @ 60 HZ)
	Volume Ratio	2.6 standard (other Vi available)
	Nominal HP	96 HP (A Compressor) / 132 HP (B Compressor)
	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, PSW (Optional)
	Voltage	220V A&B, 460V B
Lubricant Charge	Gallons	4.2
Oil Heater	Watts	300W
Weight	Pounds	1323

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	2 1/2"
Discharge Check Valve	2 1/2"
Suction Stop Valve	4"
Economizer	7/8" solder
Liquid Injection (chamber)	1/4" flare



		A	B	C	D	E
Discharge Side	Copper Pipe Sizing 2 5/8"	2.36"	4.33"	1.38"	2.64"	3.03"
Suction Side	Copper Pipe Sizing 4 1/8"	2.99"	5.71"	1.97"	4.14"	4.57"

R134a Refrigerant

MCC & LRA

MODEL	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)
RE420A	60	220	367	465	1395	949	1395
	60	460	176	243	730	496	730
RE420B	60	460	219	398	1180	802	1180