



RE-820B Screw Compressor

High IPLV and SEER design Screw compressor dedicated to:
R134a, R513A, R450A R1234ze and R1234yf

Specifications



Compressor	Displacement	CFM	581
	Rated Speed	Rpm	1200 ~ 3600/4200
	Volume Ratio	Vi	LOW, MED, HIGH
	Nominal HP		257
	VFD Control		VFD (variable frequency drive)
	Lubrication		Differential Pressure Feed Lubricant
Motor	Type	PM+VFD MOTOR	3 phase, 6 pole permanent-magnet synchronous motor
	Starting		VFD
	Voltage		380 ~ 480
Lubricant Charge	Gallons		7.40
Oil Heater	Watts		300W
Pneumatic pressure test:			26kgf/cm2G
Weight	Pounds		2315

Standard Compressors Accessories

- High IPLV and SEER design Screw compressor dedicated to: R134a, R513A, R450A R1234ze and R1234yf
- Motor type: 3 phase, 6 pole permanent-magnet synchronous motor
- Motor insulation: Class F
- Motor protection: PTC Motor temperature thermistor, PT1000/PT100 Motor temperature sensor (Optional)
- Allowable pressure : 21kgf/cm2G
- Pneumatic pressure test: 26kgf/cm2G
- RE-APMI / RE-BPMI without lubricant
- The nominal motor hp is not equal to the maximum compressors hp. Please refer to the output of Hanbell selection software for operation current and at chiller designed conditions to select the capacity of Inverter, magnetic contactor, cable size, fuse, wire and relays...etc

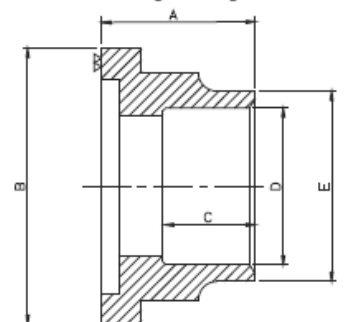
Ports

- External Oil Cooler (recommended)
- 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"	4.57"
Suction Side	Copper Pipe Sizing 5 1/8"	2.95"	6.85"	1.38"	5.14"	5.77"

Suction and discharge bushings



R134a Refrigerant

MOA

MODEL	kW	Rated Current (A)	Maximum Continuous Current	Primary Power Supply (before inverter)		Secondary Power Supply (after inverter)	
				Frequency (Hz)	Voltage (V)	Compressor Input Frequency (Hz)	Compressor Input Voltage (V)
RE-820B	179	341	477	60	380/400/440/415/440/460/480	180	380