



RE Series

*Next generation of
innovative design
Screw compressor
dedicated to:
R134a, R513A, R1234ze
R450A, R1234yf*

High COP & IPLV Model **RE Series** Screw Compressor



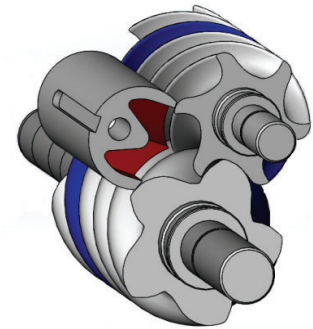
5580 Enterprise Pkwy., Fort Myers, FL 33905 Office (239) 694-0089 Fax: (239) 694-0031

www.mcscontrols.com

Highlights of RE Compressor Features

Innovative Screw Rotor Profile

- Large displacement with short sealing line
- Compact in size with hyper volumetric efficiency
- Remarkable COP/EER performance and seasonal IPLV/ESEER
- Small torque transmission and low frictional loss
- Designed for certification of ASHRAE 90.1, EU 2016/2281, ISEER 2020



Down-to-earth Design

- Over-sized premium radial and axial bearings.
- Semi-hermetic, suction gas cooled induction motor
- Effective capacity control matches various load applications
- Optimized refrigerant path with minimum loss
- Lateral discharge port available for flooded evaporator

Low Oil Carry-over Separator

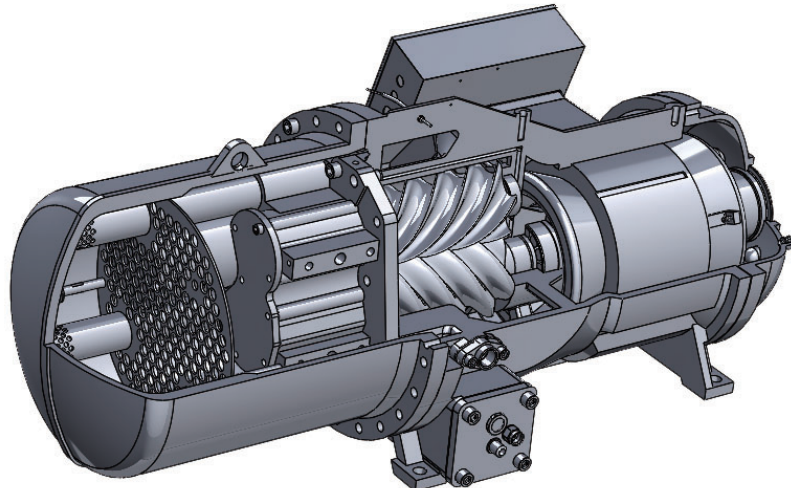
- Finest 3-step oil separation with minimum pressure drop
- Low carry-over, great heat transfer efficiency
- Simple and highly reliable oil separation

Optimized Volume Ratio Flexibility

- Volume ratio options for water-cooled, air-cooled, process cooling, and heat pumps operation.
- No compromise on efficiency at flooded, falling-film and DX chiller design
- Avoid loss on over- or under-compression

Quiet Operation, Low Vibration, Long Compressor Life

- Dedicated oil circuit to cool and lubricate bearings and rotors
- Sturdy compressor mounting and compression chamber
- Comprehensive protection devices



Compressor Protection & Devices

- Motor winding temperature protection
- Discharge temperature protection
- INT69HBY motor protector module
- Optical oil level switch
- Oil filter with replaceable cartridge
- Insulated oil heater
- Internal pressure relief valve
- Non-return valve and service stop valve
- Nitrogen protective charge
- IP54 Terminal box

Compressor Nomenclature

RE - XXX X X

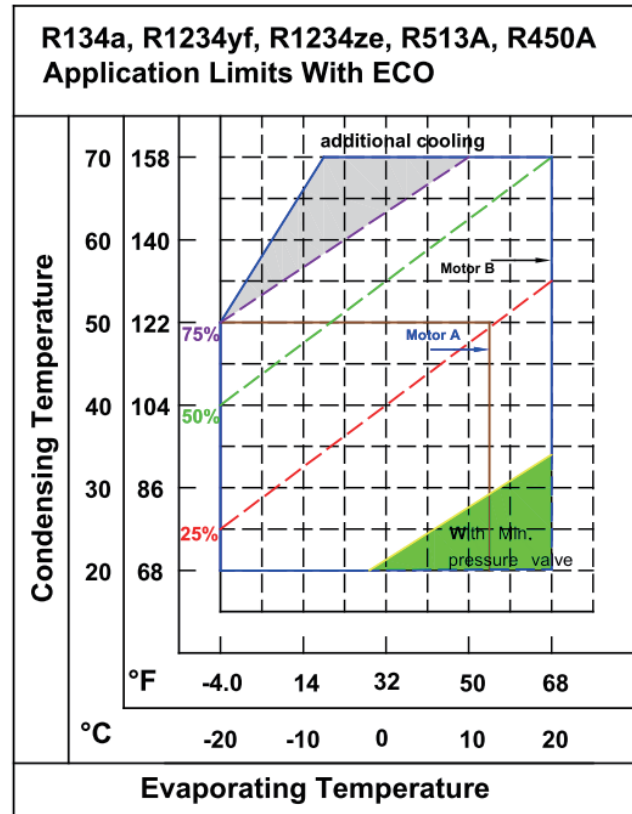
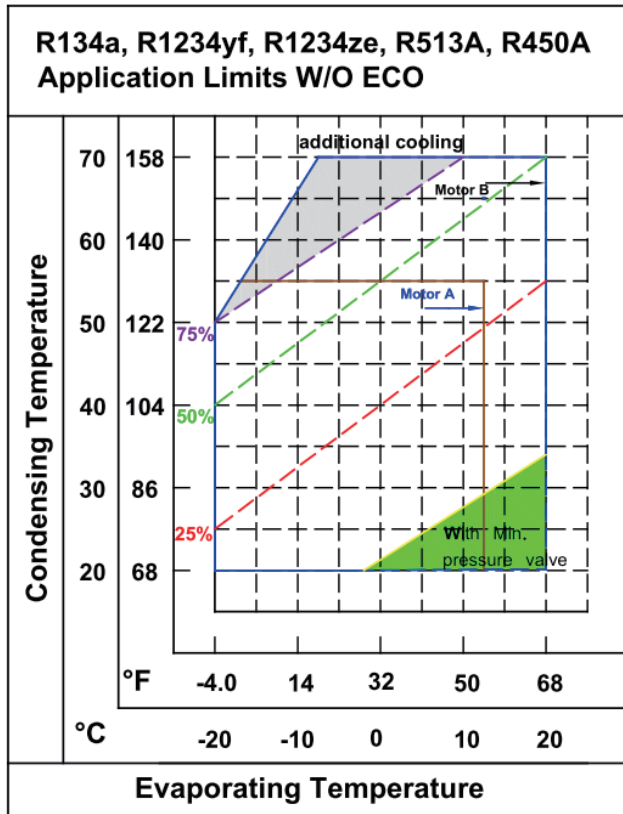


Technical Data

MODEL	COMPRESSOR					MOTOR				LUBRICANT CHARGE	WEIGHT	
	Displacement 60 / 50Hz	Rated Speed 60 / 50Hz	Vi	Cap. Control (%)		Nominal Hp		Motor Starter	Voltage (V)			
				Step	Stepless	60Hz(A/B)	50Hz(A/B)		60Hz			50Hz
RE-230A(P) / B(P)	280/232	3550/ 2950	2.2	25	25~100	56/74	47/63	Y-Δ	220*	380	14	380
RE-260A(P) / B(P)	320/266					63/82	52/68				16	440
RE-300A(P) / B(P)	369/307					70/97	58/80				16	480
RE-340A(P) / B(P)	423/352					80/108	67/90				16	550
RE-380A(P) / B(P)	471/392		90/122			75/102	PWS	380	400	16	570	
RE-420A(P) / B(P)	501/417		97/146			80/122				DOL	440	415
RE-480A(P) / B(P)	579/481		107/166			90/138	DOL	440	415			
RE-550A(P) / B(P)	666/554		131/185			110/154				DOL	440	415
RE-620A(P) / B(P)	752/625		146/215	122/178	Y-Δ	460	440	23	870			
RE-710A(P) / B(P)	857/712		166/233	138/194				Y-Δ	460	440	26	920
RE-820A(P) / B(P)	987/820		196/257	164/215	DOL	480	480				28	1050
RE-920A(P) / B(P)	1112/924		215/298	178/248				DOL	480	480	28	1135
RE-1050A(P) / B(P)	1254/1045		241/322	201/268	DOL	480	480				40	1480
RE-1150A(P) / B(P)	1374/1145		264/354	220/295				DOL	480	480	40	1500

*220V available on request

Application Limits



To apply the refrigerant not listed above, please contact Hanbell for application guide.



North American Distributor of Hanbell Compressors



5580 Enterprise Parkway / Fort Myers, FL 33905 / Phone: 239-694-0089

www.mcscontrols.com