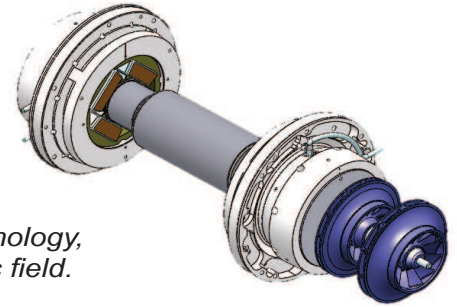


Refrigerant – R134a , R1234ze

High-efficiency Model RTM Series Oil-free Magnetic Centrifugal Compressor



Advantages of Magnetic Centrifugal Compressor



Environment friendly refrigerant-HFC-134a

Environment friendly refrigerant-HFC-134a-0 ODP

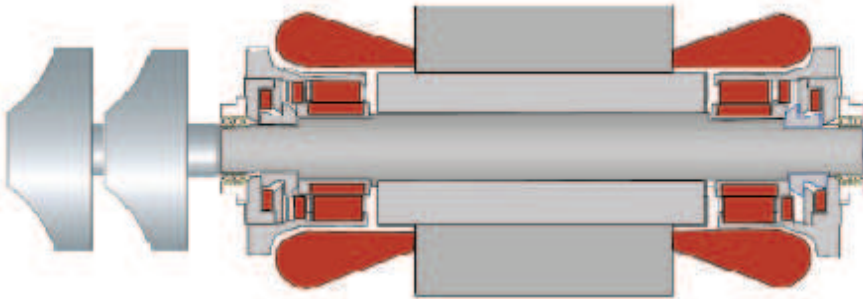
Advanced technology of magnetic bearing

With the combination of mechanical, electrical, and control technology, the main shaft is held, rotated and controlled by electromagnetic field.

Electronic control system

Flexible control for the ease of system fine tune and performance

Comprehensive monitor system. Monitor each control position for 15000 times per second.(radial / axial direction)



VFD Control

VFD controls meet the requirement of running at various working conditions and saving energy in different load.

High Energy Efficiency

*With the DC inverter control technology and inlet guide vane mechanism, the load change can be responded quickly. The IPLV is up to 12.10
No gear transmission, no work loss.*

Oil free, Zero pollution

Comparing with conventional oil lubricated model, there is no risk in damage of moving part during power cut.

Much Less maintenance cost. Free of oil quality and oil disposal problem.



Low vibration and low noise

High damping design for instant load changes.

No friction from moving parts, no vibration problem. Noise value is lower than 74 dBA.

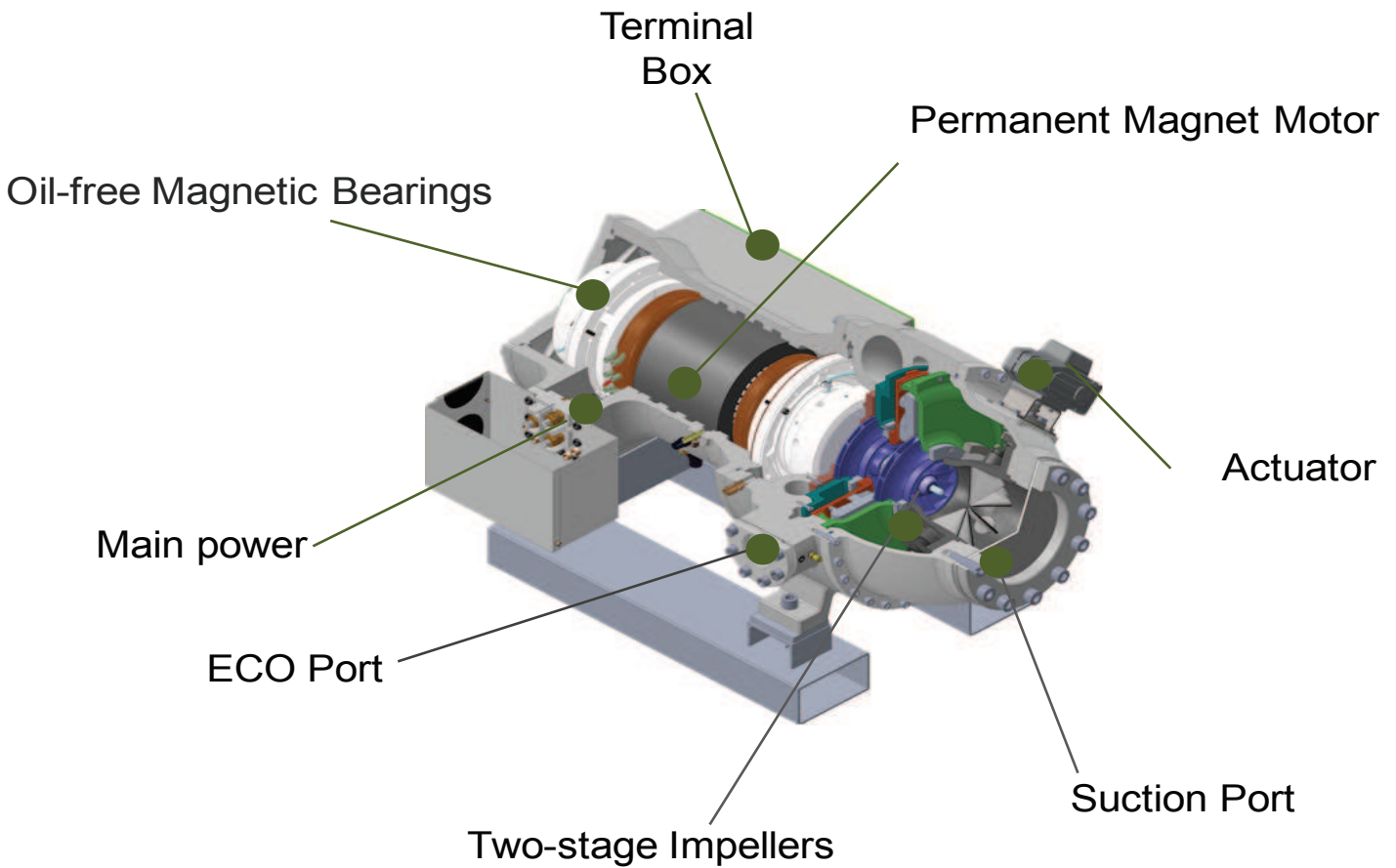
Anti-surge tactics

Compressor control logic module ensure continuous operations within the safety area.

Compact

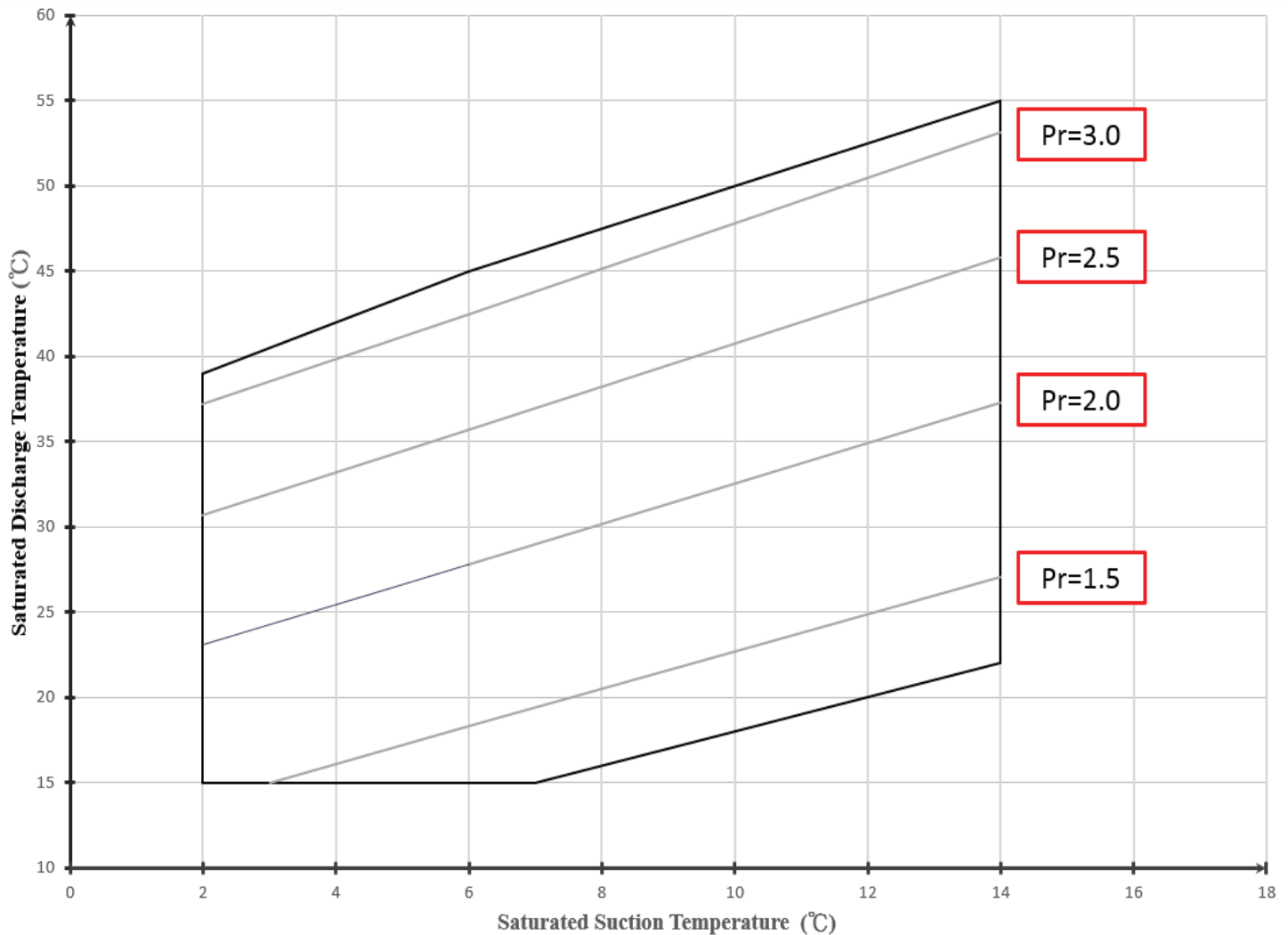
Comparing with screw compressor with same tonnage, the dimension is only 20% and the weight is only 45%.

Features of RTM series oil free magnetic centrifugal compressor



Model		RTM-090	
Refrigerant		R134a	
Nominal cooling capacity		USRT	400~450
Compressor	Type		Two-stage compression
	Axial guide vane control	IGV	20~100% continuous
	Frequency	Hz	225
Motor	Type		3 Phase, 2 Pole, Permanent magnet
	Starting		VFD
	Voltage	V	380~460±5%
	Insulation		Class H
	Protection		PT100*6
Transmission	Type		Direct-driven
	Lubrication		Oil free
Dimension (LxWxH)		m	1.3 X 0.8 x 0.7
Weight		kg	1050
Hydrostatic pressure test		kg/cm ² g	22
Refrigerant heater		kW	1x 0.3

R134a Application Limits



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