

Technical Data

Type: Two-stage Compressor with Speed-up Gearing

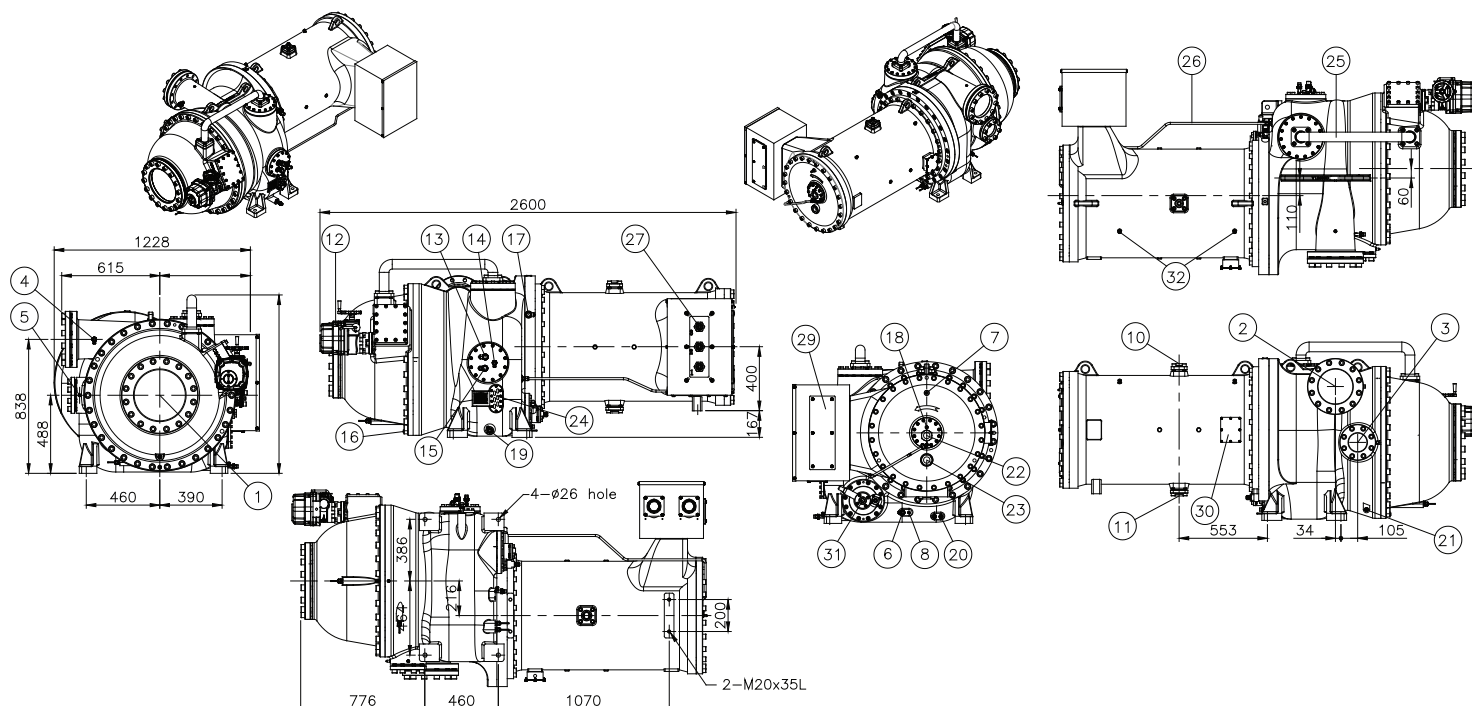
Model			RT-120		RT-130		RT-140		RT-160		RT-180		RT-200		RT-240		RT-260		RT-280		
Refrigerant	Type		R134a																		
Compressor	Type		Two-Stage with Speed-up Gearing																		
	Pressure Ratio		LP	HP	LP	HP	LP	HP	LP	HP	LP	HP	LP	HP	LP	HP	LP	HP	LP	HP	
			1.59	1.68	1.59	1.68	1.59	1.68	1.62	1.56	1.62	1.56	1.62	1.56	1.6	1.66	1.6	1.66	1.6	1.66	
	Mass Flow Rate	Kg/sec	11.1	12.6	12.1	13.7	13.1	14.8	14.4	15.9	16.5	18.2	18.4	20.4	20.1	22.7	22.1	24.9	24.1	27.7	
	Volume Flow (Suction)	m3/hr	2292	1653	2501	1804	2708	1954	2970	2066	3405	2364	3810	2645	4158	2968	4571	3263	4987	3560	
	Rated Speed	rpm	11,700		12,000		12,000		9,400		8,900			8,222							
	Inlet Guide Vane Control		0~100% Continuous																		
Transmission	Type		Helical Gear																		
	Lubrication		Built-in Oil Pump																		
	Lubricant Charge	Liter	60						70												
Motor	Type		3 Phase, 2 Pole, Induction																		
	Starting		Y-Δ Starting, Direct Starting																		
	Voltage(50/60Hz)	v	380~460, 10k/6k/4k/3k																		
	Insulation		Class F																		
	Protection		PTC, PT100/PT1000																		
Oil heater		kw	2*0.5																		
Dimension(L*W*H)		m	2.3*1.2*1.0						2.6*1.3*1.1												
Weight		kg	3,500						4,500						4,500						
Hydrostatic Pressure Test		kg/cm2g	42																		

Applicable Power

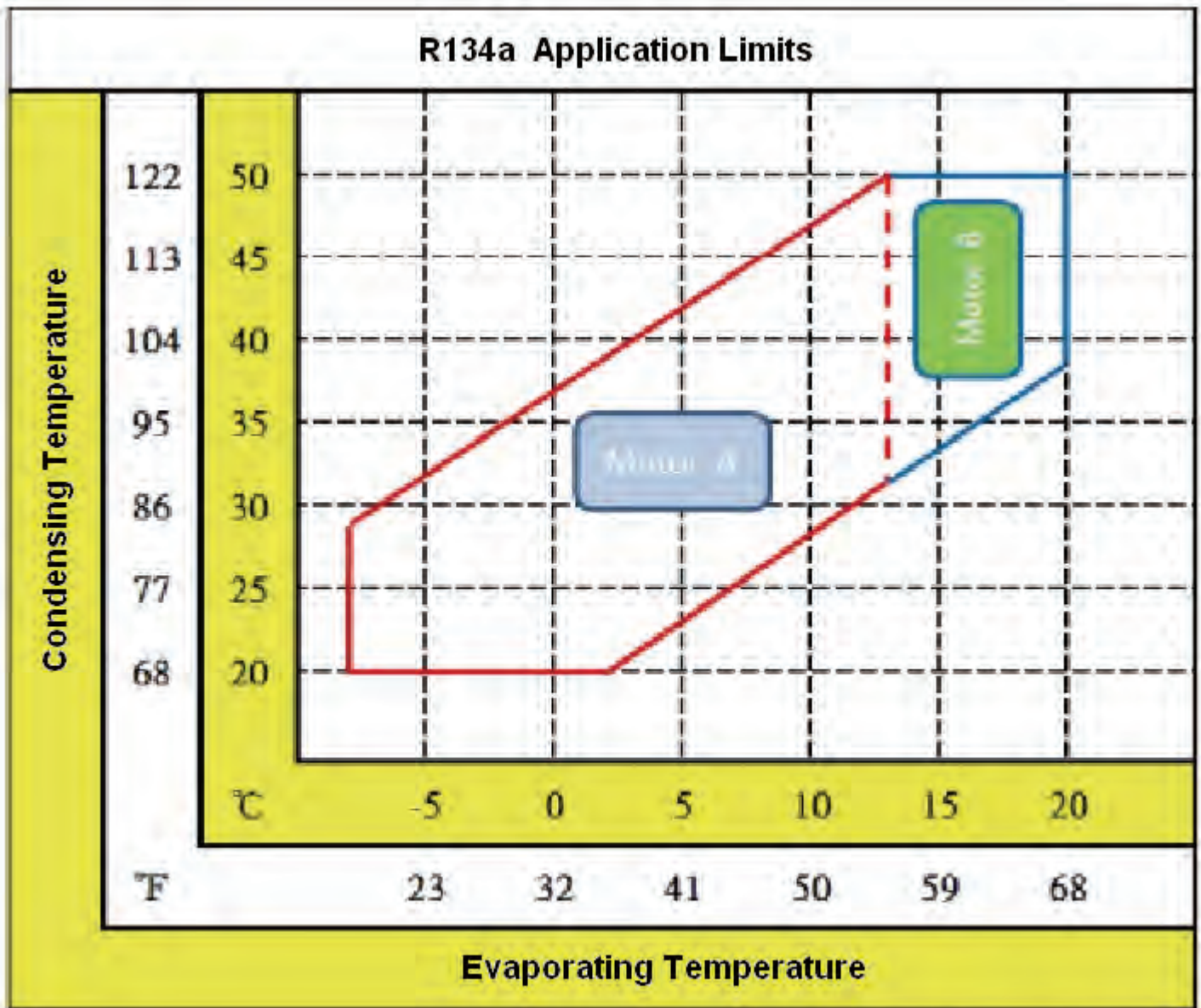
Voltage	RT-120~140	RT-160~280
380V	○	Optional
3kV/3.3kV	○	○
6kV/6.6kV	○	○
10kV	○	○

RT-240~280 Outline

No.	Name	Specification	No.	Name	Specification
1	Suction flange	12" 20k (JIS)	17	Oil connection (gearbox)	1/2" FL
2	Discharge flange	8" 20k (JIS)	18	Oil connection (motor)	1/4" FL
3	Economizer connection	4" 20k (JIS)	19	Oil drain valve	1/4" FL
4	Pressure connection(discharge)	1/4"FL	20	Oil heater (2*500w)	220V
5	Pressure connection(ECO)	1/4"FL	21	Refrigerant heater (2*300w)	220V
6	Pressure connection(Oil tank)	1/4"FL	22	Sight glass (motor)	
7	Pressure connection(motor)	1/4"FL	23	Sight glass (ref.level)	
8	Temperature sensor(Oil tank)	Pt100	24	Sight glass (oil level)	
9	Discharge temperature	PTC (optional)	25	Refrigerant return pipe	2"steel
10	Motor cooling connection(inlet)	7/8" FL	26	Oil return pipe	1/2"
11	Motor cooling conneciotn(outlet)	15/8" copper	27	Power bolt	9/16-18UNF
12	Actuator (IGV volume control)	220V/1φ/50/60Hz	28	Cable box flange	2*3"
13	Angle valve	1/2" FL, optional	29	Cable box flange	380*80
14	Eva. Oil return connection	1/4" FL	30	Motor temperature sensor	PTC&3*Pt100/Pt1000
15	IGV oil return connection(inlet)	1/2" FL	31	Oil pump outlet	1" steel/380v/3φ/50/60Hz
16	IGV oil return connection(outlet)	3/8" FL	32	Motor cooling connection (inlet)	1/4"FL (for motor B only)



Application Limits



Note : Actuator (IGV) : 100%~50%