

Technical Data

Type: Two-stage Compressor with Speed-up Gearing

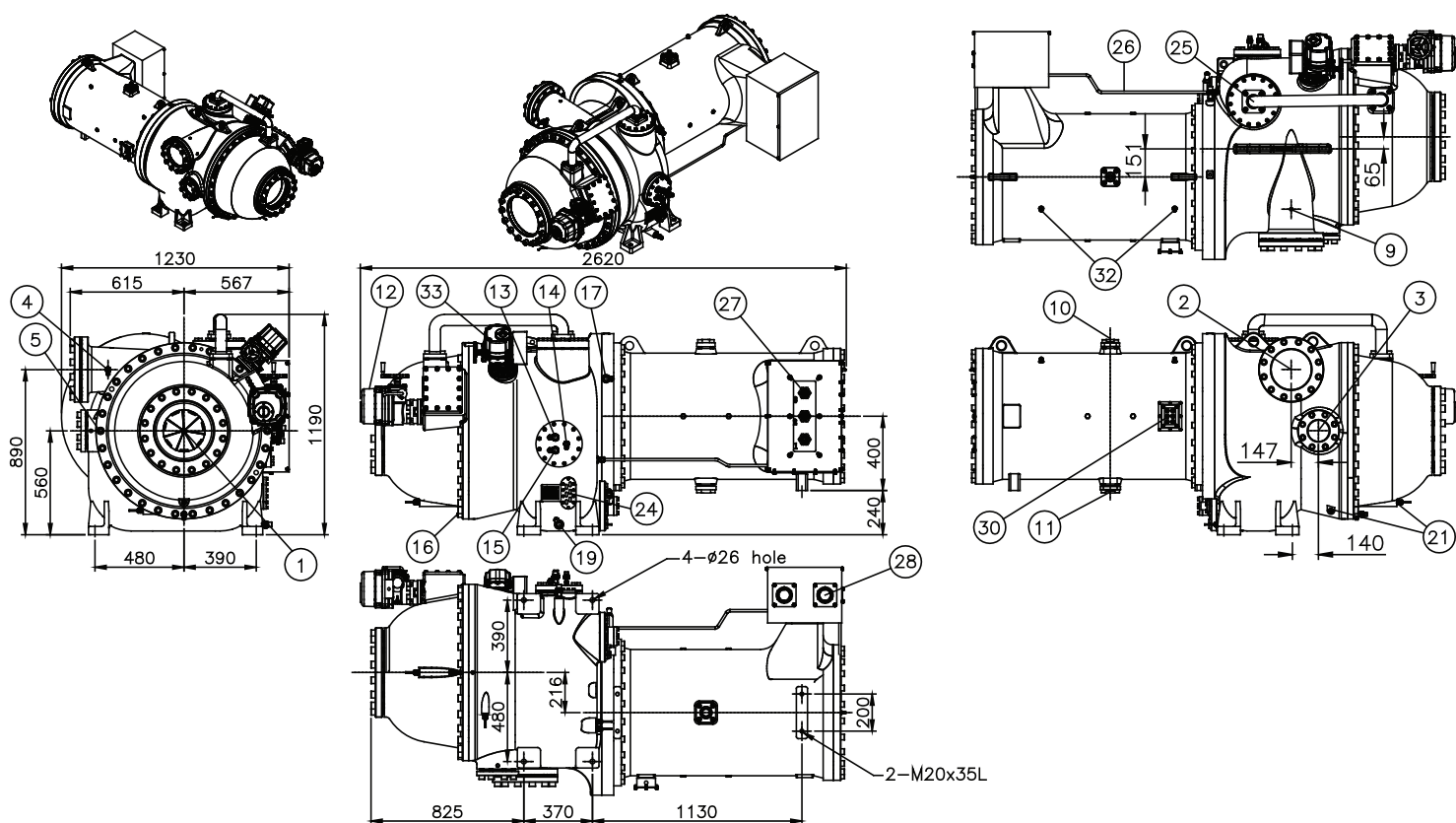
Model			RT-120		RT-130		RT-140		RT-160		RT-180		RT-200		RT-240		RT-260		RT-280		
Refrigerant	Type		R134a																		
Compressor	Type		Two-Stage with Speed-up Gearing																		
	Pressure Ratio		LP	HP	LP	HP	LP	HP	LP	HP	LP	HP	LP	HP	LP	HP	LP	HP	LP	HP	
			1.59	1.68	1.59	1.68	1.59	1.68	1.62	1.56	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

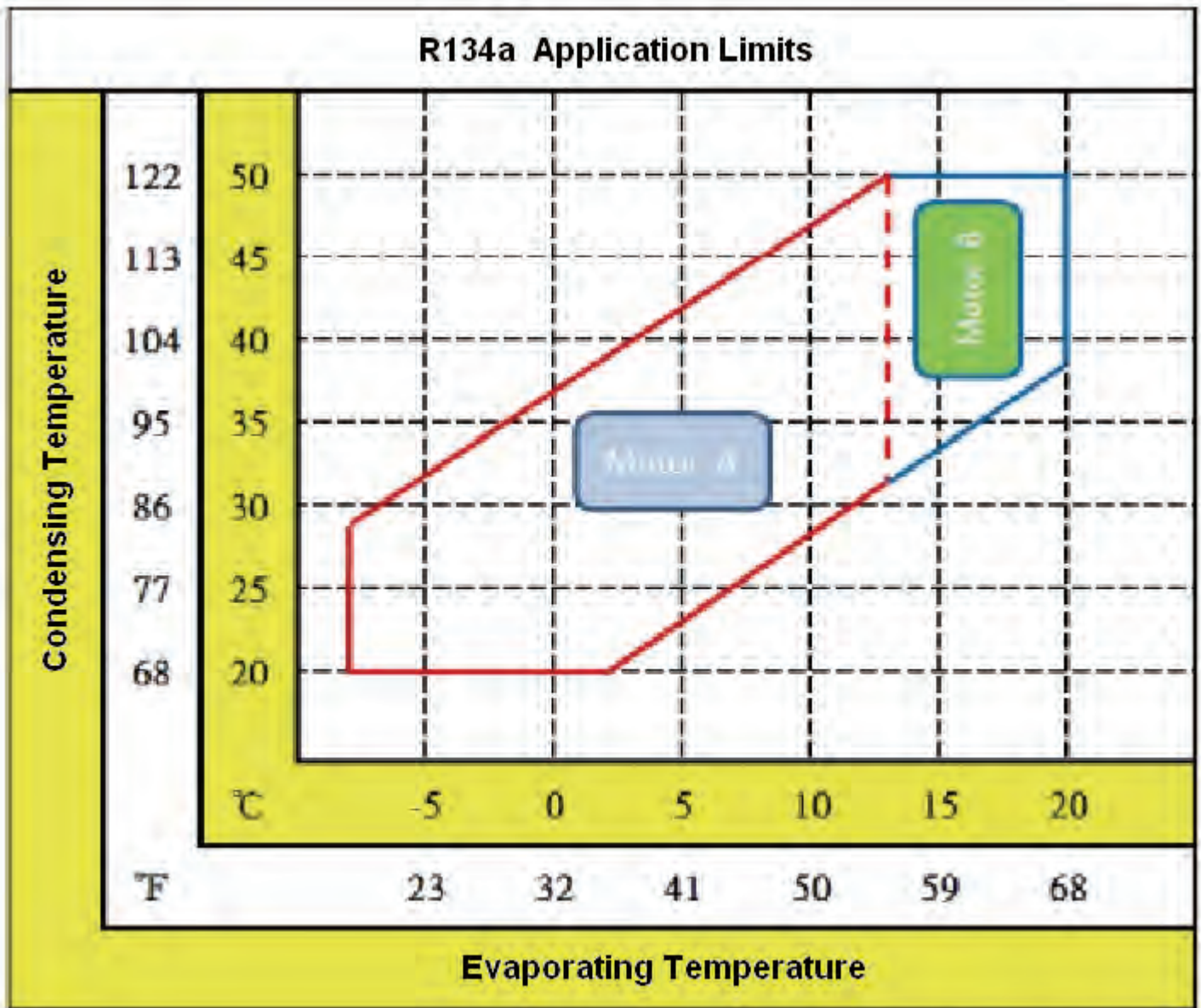
Voltage	RT-120~140	RT-160~280
380V	○	Optional
3kV/3.3kV	○	○
6kV/6.6kV	○	○
10kV	○	○

RT-160~200 Outline

No.	Name	Specification	No.	Name	Specification
1	Suction flange	12" 20k(JIS)	18	Oil lubricant inlet (motor side)	1/4"FL
2	Discharge flange	8" 20k(JIS)	19	Oil drain	1/2"FL
3	Economizer connector	4" 20k(JIS)	20	Oil heater (2×500W)	220V
4	Pressure detector (discharge)	1/4"FL	21	Ref. Heater (2×300W)	220V
5	Pressure detector (ECO.)	1/4"FL	22	Sight glass (motor direction)	
6	Pressure detector (oil tank)	1/4"FL	23	Sight glass (ref. level)	
7	Pressure detector (motor)	1/4"FL	24	Sight glass (oil level)	
8	Temperature sensor (oil tank)	PT100	25	Ref. recycling pipe	2" steel
9	High discharge temperature	PTC	26	Lub. Recycling pipe	1/2"
10	Motor liquid injection (inlet)	7/8"copper	27	Power bolt	M14
11	Motor liquid injection (outlet)	1 5/8" copper	28	Cable box flange	2*3"
12	Actuator (IGV volume control)	220V/1φ/50/60Hz	29	Cable box flange	3*2-1/2
13	Oil recycling inlet of oil sep.	1/2"FL	30	Motor temp. sensor	PTC, 3*PT100/PT1000
14	Eva. Oil recycling connector	1/4"FL	31	Oil pump outlet	1" steel/380V/3φ/50/60Hz
15	IGV oil recycling (inlet)	1/2"FL	32	Motor liquid injection (inlet)	1/4"FL (motor B use.)
16	IGV oil recycling (outlet)	3/8"FL	33	LSD control	220V/1φ/50/60Hz
17	Oil lubricant inlet (gearbox side)	1/2"FL			



Application Limits



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