



RT-120 Centrifugal Compressor

Specifications



*CE marking guarantees a product's conformity to EU regulations.
RoHS 2 is also a CE-marking directive.

C	Two-stage with speed-up	gearing	LP	HP
Compressor	Volume flow (Suction)	CFM	1579	1114
Compressor	Rated Speed	RPM	1	1,700
	Inlet guide vane control		10~100%	6 continuous
o feo Tons Institution o	Туре		3 Phase, 2	Pole, Induction
	Starting		Y-∆ Starting,	Direct Starting
Motor	Voltage (60 Hz)		30	0~600
	Insulation		CI	ass F
	Protection		PTC, Pt1000	
	Туре		Heli	cal gear
Transmission	Lubrication		Built-ir	n-oil pump
	Lubricant charge	GAL		10
Oil Heat	er 220V	Watts	2	x 500
Refrigerant Heater 220V		Watts	2 x 300	
Hydrostatic pressure test	psi			313
Dimension (LxWxH)	nension (LxWxH) Inches 90" x 47"		17" x 40.2"	
Weight	Pounds		7	716

Standard Compressors Accessories

- Two-stage centrifugal compressor
- Centrifugal compressor dedicated to R134a
- Total motor protection with PTC and Pt 1000
- Built-in oil pump for better lubrication of bearing and gears
- Reliable rigid bearings as protection against oil-deficit and surge when abrupt power cut occurs during starting
- Low oil carry-over due to double oil heaters and fine oil filters

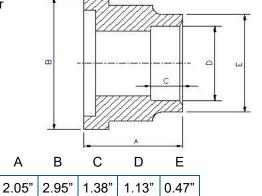
- Precise inlet guide vane control for modulation
- Y-∇ starting, direct starting
- Two-stage with speed-up gearing
- Built in oil pump
- Vane Actuator control
- INT69HBYmotor protector
- · Oil drain valve

Ports

- Economizer
- Suction, Discharge
 & Oil Service

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S	Suction Flange	8"
	Discharge Flange	6"
	Economizer	2 1/2" FL
	Liquid Injection inlet	3/4" flare
	Liquid Injection outlet	1 1/8" Copper



R134a

1				Maximum	Υ-Δ
	Model	Hertz	Volts	Continuous Current	Locked Rotor Amps
	Α	60	460	580	2635
	В	60	460	787	3070

1579





RT-130 Centrifugal Compressor

Volume flow (Suction)

Two-stage with speed-up gearing

Specifications



Motor

Transmission

Hydrostatic pressure test

Weight

Dimension (LxWxH)

Compressor

Rated Speed **RPM** 12,000 Inlet guide vane control 10~100% continuous 3 Phase, 2 Pole, Induction Type Starting Y-△ Starting, Direct Starting Voltage (60 Hz) 300~600 Insulation Class F PTC, Pt1000 Protection Type Helical gear Lubrication Built-in-oil pump **GAL** 10 Lubricant charge Oil Heater 220V 2 x 500 Watts Refrigerant Heater 220V 2 x 300 Watts 313 psi Inches 90x47x40.2 7716 Pounds

CFM

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Standard Compressors Accessories

- · Two-stage centrifugal compressor
- Centrifugal compressor dedicated to R134a
- Total motor protection with PTC and Pt 1000
- Built-in oil pump for better lubrication of bearing and gears
- Reliable rigid bearings as protection against oil-deficit and surge when abrupt power cut occurs during starting
- Low oil carry-over due to double oil heaters and fine oil filters

- · Precise inlet guide vane control for modulation
- Y-∇ starting, direct starting
- · Two-stage with speed-up gearing
- Built in oil pump
- Vane Actuator control
- INT69HBYmotor protector
- · Oil drain valve

Ports

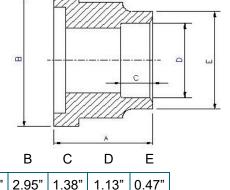
HP

1114

- Economizer
- Suction, Discharge
 & Oil Service

Co	nn	ഫ	47		1 C
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ıs	Suction Flange	8"	
	Discharge Flange	6"	
	Economizer	2 1/2" FL	
	Liquid Injection inlet	3/4" flare	Α
	Liquid Injection outlet	1 1/8" Copper	2.05"



R134a

1				Maximum	Υ-Δ
	Model	Hertz	Volts	Continuous Current	Locked Rotor Amps
Ī	Α	60	460	670	3263
	В	60	460	907	4517





RT-140 Centrifugal Compressor

Specifications



*CE marking guarantees a product's conformity to EU regulations.
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C	Two-stage with speed-up gearing		LP	HP
Compressor	Volume flow (Suction)	CFM	1596	1150
Compressor	Rated Speed	RPM	1	2,000
	Inlet guide vane control		10~1009	% continuous
o feo Tons pp	Туре		3 Phase, 2	Pole, Induction
	Starting		Y-∆ Starting,	Direct Starting
Motor	Voltage (60 Hz)		30	0~600
	Insulation		С	lass F
	Protection		PTC, Pt1000	
	Туре		Heli	cal gear
Transmission	Lubrication		Built-ii	n-oil pump
	Lubricant charge	GAL	10	
Oil Heat	er 220V	Watts	2	x 500
Refrigerant H	leater 220V	Watts	2 x 300	
Hydrostatic pressure test	c pressure test psi			313
Dimension (LxWxH)	Inches		90x	47x40.2
Weight	Pounds		-	7716

Standard Compressors Accessories

- Two-stage centrifugal compressor
- Centrifugal compressor dedicated to R134a
- Total motor protection with PTC and Pt 1000
- Built-in oil pump for better lubrication of bearing and gears
- Reliable rigid bearings as protection against oil-deficit and surge when abrupt power cut occurs during starting
- Low oil carry-over due to double oil heaters and fine oil filters

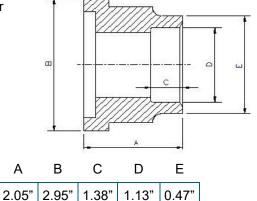
- Precise inlet guide vane control for modulation
- Y-∇ starting, direct starting
- Two-stage with speed-up gearing
- Built in oil pump
- Vane Actuator control
- INT69HBYmotor protector
- Oil drain valve

Ports

- Economizer
- Suction, Discharge
 & Oil Service

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S	Suction Flange	8"
	Discharge Flange	6"
	Economizer	2 1/2" FL
	Liquid Injection inlet	3/4" flare
	Liquid Injection outlet	1 1/8" Copper



R134a

1				Maximum	Υ-Δ
	Model	Hertz	Volts C	Continuous Current	Locked Rotor Amps
	Α	60	460	670	3263
	В	60	460	907	4517

HP





RT-160 Centrifugal Compressor

Two-stage with speed-up gearing

Specifications



Motor

Transmission

Dimension (LxWxH)

Weight

Compressor

Volume flow (Suction) 1937 1366 **CFM** Rated Speed **RPM** 9,400 10~100% continuous Inlet guide vane control Туре 3 Phase, 2 Pole, Induction Starting Y-△ Starting, Direct Starting Voltage (60 Hz) 300~600 Insulation Class F PTC, Pt1000 Protection Type Helical gear Built-in-oil pump Lubrication **GAL** 10 Lubricant charge Oil Heater 220V Watts 2 x 500 Refrigerant Heater 220V Watts 2 x 300 313 Hydrostatic pressure test psi Inches 103" x 50.8" x 50" 9920 Pounds

Standard Compressors Accessories

- Two-stage centrifugal compressor
- Centrifugal compressor dedicated to R134a
- Total motor protection with PTC and Pt 1000
- Built-in oil pump for better lubrication of bearing and gears
- Reliable rigid bearings as protection against oil-deficit and surge when abrupt power cut occurs during starting
- Low oil carry-over due to double oil heaters and fine oil filters

• Precise inlet guide vane control for modulation

- Y-∇ starting, direct starting
- Two-stage with speed-up gearing
- Built in oil pump
- Vane Actuator control

7/8" Copper

1 5/8" Copper

- INT69HBYmotor protector
- · Oil drain valve

Ports

- Economizer
- · Suction, Discharge & Oil Service

Connections	Suction Flange	12"
	Discharge Flange	8"
	Economizer	4" FL
	•	

Liquid Injection inlet

Liquid Injection outlet

				c <u>-</u>	
Α	В	C	D	Ē	
2.05"	2.36"	1/38"	0.89	1.65"	
2.05"	2.95"	1.38"	1.64"	2.05"	

R134a

1				Maximum	Υ-Δ
	Model	Hertz	Volts	Continuous Current	Locked Rotor Amps
	Α	60	460	787	3070
	В	60	460	981	5526

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2227

HP

1571

8,900

10~100% continuous





RT-180 Centrifugal Compressor

Volume flow (Suction)

Rated Speed

Inlet guide vane control

Two-stage with speed-up gearing

Specifications



Transmission

Dimension (LxWxH)

Weight

Motor

Compressor

3 Phase, 2 Pole, Induction Type Starting Y-△ Starting, Direct Starting Voltage (60 Hz) 300~600 Class F Insulation Protection PTC, Pt1000 Type Helical gear Built-in-oil pump Lubrication Lubricant charge **GAL** 10 Oil Heater 220V Watts 2 x 500 Refrigerant Heater 220V Watts 2 x 300 Hydrostatic pressure test psi 313 103" x 50.8" x 50" Inches

RPM

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Standard Compressors Accessories

- Two-stage centrifugal compressor
- Centrifugal compressor dedicated to R134a
- Total motor protection with PTC and Pt 1000
- Built-in oil pump for better lubrication of bearing and gears
- Reliable rigid bearings as protection against oil-deficit and surge when abrupt power cut occurs during starting
- Low oil carry-over due to double oil heaters and fine oil filters

· Precise inlet guide vane control for modulation

Pounds

- Y-∇ starting, direct starting
- Two-stage with speed-up gearing
- Built in oil pump
- Vane Actuator control
- INT69HBYmotor protector
- · Oil drain valve

Ports

Economizer

9920

Suction, Discharge & Oil Service

Connections

		-		50 50000000	Statement Comment	47 57.75
Suction Flange	12"					
Discharge Flange	8"			- <i>1222</i> 5	A	
Economizer	4" FL	Α	В	С	D	Ē
Liquid Injection inlet	7/8" Copper	2.05"	2.36"	1/38"	0.89	1.65"
Liquid Injection outlet	1 5/8" Copper	2.05"	2.95"	1.38"	1.64"	2.05"

R134a

1				Maximum	Υ-Δ
	Model	Hertz	Volts	Continuous Current	Locked Rotor Amps
	Α	60	460	907	4517
	В	60	460	1180	4214





RT-200 Centrifugal Compressor

Specifications



*CE marking guarantees a product's conformity to EU regulations.

RoHS 2 is also a CE-marking directive.

c	Two-stage with speed-up	gearing	LP	HP			
Compressor	Volume flow (Suction)	CFM	2396	1690			
Compressor	Rated Speed	RPM		3,900			
	Inlet guide vane control		10~100	% continuous			
o feo Tons profession o	Туре		3 Phase, 2	Pole, Induction			
	Starting		Y-∆ Starting,	Direct Starting			
Motor	Voltage (60 Hz)		30	0~600			
	Insulation		Class F				
	Protection		PTC, Pt1000				
	Туре		Helical gear				
Transmission	Lubrication		Built-i	n-oil pump			
	Lubricant charge	GAL		10			
Oil Heat	er 220V	Watts	2	x 500			
Refrigerant H	leater 220V	Watts	2	x 300			
Hydrostatic pressure test	psi			313			
Dimension (LxWxH)	Inches		103" x	50.8" x 50"			
Weight	Pounds		!	9920			

Standard Compressors Accessories

- Two-stage centrifugal compressor
- Centrifugal compressor dedicated to R134a
- Total motor protection with PTC and Pt 1000
- Built-in oil pump for better lubrication of bearing and gears
- Reliable rigid bearings as protection against oil-deficit and surge when abrupt power cut occurs during starting
- Low oil carry-over due to double oil heaters and fine oil filters

- Precise inlet guide vane control for modulation
- Y-∇ starting, direct starting
- Two-stage with speed-up gearing
- · Built in oil pump
- Vane Actuator control
- INT69HBYmotor protector
- Oil drain valve

Ports

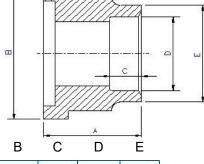
- Economizer
- Suction, Discharge
 & Oil Service

Connections

Suction Flange	12"					
Discharge Flange	8"		20	-12225 -	A	
Economizer	4" FL	Α	В	С	D	Ē
Liquid Injection inlet	7/8" Copper	2.05"	2.36"	1/38"	0.89	1.65"
Liquid Injection outlet	1 5/8" Copper	2.05"	2.95"	1.38"	1.64"	2.05"

R134a

7				Maximum	Υ-Δ
	Model	Hertz	Volts	Continuous Current	Locked Rotor Amps
	Α	60	460	981	5526
	В	60	460	1357	6534



2387





RT-221 Centrifugal Compressor

Volume flow (Suction)

Two-stage with speed-up gearing

Specifications



Motor

Transmission

Dimension (LxWxH)

Weight

Compressor

Rated Speed **RPM** 9.400 Inlet guide vane control 10~100% continuous 3 Phase, 2 Pole, Induction Type Starting Y-△ Starting, Direct Starting 300~600 Voltage (60 Hz) Class F Insulation Protection PTC, Pt1000 Type Helical gear Built-in-oil pump Lubrication Lubricant charge **GAL** 10 Oil Heater 220V Watts 2 x 500 Refrigerant Heater 220V Watts 2 x 300 Hydrostatic pressure test psi 313 102" x 51.18" x 47.24" Inches Pounds 9920

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Standard Compressors Accessories

- Two-stage centrifugal compressor
- Centrifugal compressor dedicated to R134a
- Total motor protection with PTC and Pt 1000
- Built-in oil pump for better lubrication of bearing and gears
- Reliable rigid bearings as protection against oil-deficit and surge when abrupt power cut occurs during starting
- Low oil carry-over due to double oil heaters and fine oil filters

- Precise inlet guide vane control for modulation
- Y-∇ starting, direct starting
- Two-stage with speed-up gearing
- · Built in oil pump
- Vane Actuator control
- INT69HBYmotor protector
- Oil drain valve

Ports

HP

1525

- Economizer
- Suction, Discharge & Oil Service

Connections

S	Suction Flange	12"					
	Discharge Flange	8"		20	-12225 -	A	
	Economizer	4" FL	Α	В	С	D	Ē
	Liquid Injection inlet	7/8" Copper	2.05"	2.36"	1/38"	0.89	1.65"
	Liquid Injection outlet	1 5/8" Copper	2.05"	2.95"	1.38"	1.64"	2.05"

R134a

1				Maximum	Υ-Δ
	Model	Hertz	Volts	Continuous Current	Locked Rotor Amps
Ī	Α	60	460	1357	6534
	В	60	460	1678	7903

HP





RT-240 Centrifugal Compressor

Two-stage with speed-up gearing

Specifications



Motor

Volume flow (Suction) 2903 2048 Compressor Rated Speed **RPM** 8,200 Inlet guide vane control 10~100% continuous 3 Phase, 2 Pole, Induction Type Starting Y-△ Starting, Direct Starting Voltage (60 Hz) 300~600 Class F Insulation Protection PTC, Pt1000 Type Helical gear Built-in-oil pump Transmission Lubrication Lubricant charge **GAL** 10 Oil Heater 220V Watts 2 x 500 Refrigerant Heater 220V Watts 2 x 300 Hydrostatic pressure test 313 psi Dimension (LxWxH) 102.36" x 51.18" x 47.24" Inches Weight Pounds 9920

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Standard Compressors Accessories

- Two-stage centrifugal compressor
- Centrifugal compressor dedicated to R134a
- Total motor protection with PTC and Pt 1000
- Built-in oil pump for better lubrication of bearing and gears
- Reliable rigid bearings as protection against oil-deficit and surge when abrupt power cut occurs during starting
- Low oil carry-over due to double oil heaters and fine oil filters

- Precise inlet guide vane control for modulation
- Y-∇ starting, direct starting
- · Two-stage with speed-up gearing
- Built in oil pump
- Vane Actuator control
- INT69HBYmotor protector
- · Oil drain valve

Ports

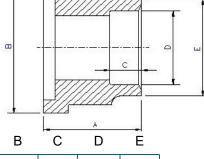
- Economizer
- Suction, Discharge & Oil Service

Connections

5	Suction Flange	12"					
	Discharge Flange	8"			-12225T 	A	
	Economizer	4" FL	Α	В	С	D	Ē
	Liquid Injection inlet	7/8" Copper	2.05"	2.36"	1/38"	0.89	1.65"
	Liquid Injection outlet	1 5/8" Copper	2.05"	2.95"	1.38"	1.64"	2.05"

R134a

1				Maximum	Υ-Δ
	Model	Hertz	Volts	Continuous Current	Locked Rotor Amps
Ī	Α	60	460	1180	4214
	В	60	460	1536	7338



3179





RT-260 Centrifugal Compressor

Volume flow (Suction)

Two-stage with speed-up gearing

Specifications



Motor

Transmission

Dimension (LxWxH)

Weight

Compressor

Rated Speed **RPM** 8,200 Inlet guide vane control 10~100% continuous 3 Phase, 2 Pole, Induction Type Starting Y-△ Starting, Direct Starting 300~600 Voltage (60 Hz) Class F Insulation Protection PTC, Pt1000 Type Helical gear Built-in-oil pump Lubrication Lubricant charge **GAL** 10 Oil Heater 220V Watts 2 x 500 Refrigerant Heater 220V Watts 2 x 300 Hydrostatic pressure test psi 313 102.36" x 51.18" x 47.24" Inches Pounds 9920

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Standard Compressors Accessories

- Two-stage centrifugal compressor
- Centrifugal compressor dedicated to R134a
- Total motor protection with PTC and Pt 1000
- Built-in oil pump for better lubrication of bearing and gears
- Reliable rigid bearings as protection against oil-deficit and surge when abrupt power cut occurs during starting
- Low oil carry-over due to double oil heaters and fine oil filters

- Precise inlet guide vane control for modulation
- Y-∇ starting, direct starting
- Two-stage with speed-up gearing
- · Built in oil pump
- Vane Actuator control
- INT69HBYmotor protector
- Oil drain valve

Ports

HP

2242

- Economizer
- Suction, Discharge & Oil Service

Connections

5	Suction Flange	12"					
	Discharge Flange	8"			-12225T 	A	
	Economizer	4" FL	Α	В	С	D	Ē
	Liquid Injection inlet	7/8" Copper	2.05"	2.36"	1/38"	0.89	1.65"
	Liquid Injection outlet	1 5/8" Copper	2.05"	2.95"	1.38"	1.64"	2.05"

R134a

7		Hertz	Volts	Maximum	Υ-Δ		
	Model			Continuous Current	Locked Rotor Amps		
	Α	60	460	1357	6534		
	В	60	460	1678	7903		

HP





RT-280 Centrifugal Compressor

Two-stage with speed-up gearing

Specifications



Motor

Transmission

Dimension (LxWxH)

Weight

Compressor

Volume flow (Suction) 3179 2242 Rated Speed **RPM** 8,200 Inlet guide vane control 10~100% continuous 3 Phase, 2 Pole, Induction Type Starting Y-△ Starting, Direct Starting Voltage (60 Hz) 300~600 Class F Insulation Protection PTC, Pt1000 Type Helical gear Built-in-oil pump Lubrication Lubricant charge **GAL** 10 Oil Heater 220V Watts 2 x 500 Refrigerant Heater 220V Watts 2 x 300 Hydrostatic pressure test 313 psi 102.36" x 51.18" x 47.24" Inches Pounds 9920

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Standard Compressors Accessories

- Two-stage centrifugal compressor
- Centrifugal compressor dedicated to R134a
- Total motor protection with PTC and Pt 1000
- Built-in oil pump for better lubrication of bearing and gears
- Reliable rigid bearings as protection against oil-deficit and surge when abrupt power cut occurs during starting
- Low oil carry-over due to double oil heaters and fine oil filters

- Precise inlet guide vane control for modulation
- Y-∇ starting, direct starting
- · Two-stage with speed-up gearing
- Built in oil pump
- Vane Actuator control
- INT69HBYmotor protector
- · Oil drain valve

Ports

- Economizer
- Suction, Discharge & Oil Service

Connections

5	Suction Flange	12"					
	Discharge Flange	8"		20	-12225 -	A	
	Economizer	4" FL	Α	В	С	D	Ē
	Liquid Injection inlet	7/8" Copper	2.05"	2.36"	1/38"	0.89	1.65"
	Liquid Injection outlet	1 5/8" Copper	2.05"	2.95"	1.38"	1.64"	2.05"

R134a

1		Hertz	Volts	Maximum	Υ-Δ		
	Model			Continuous Current	Locked Rotor Amps		
Ī	Α	60	460	1357	6534		
	В	60	460	1678	7903		