



Compressor Rack

Compressors

Compressors offered Dorin / Carlyle / Copeland / Bitzer

Frame

High strength sheet-metal fabricated in CNC Turret Punch
Powder coated and backed, color Blue RAL5010.
Anti vibration legs

Compressor Accessories

Suction and discharge shutoff valve for each compressor.
Discharge Line Vibration Eliminator for each compressor.
Oil pressure switch for each compressor.
Crankcase heater for compressor.
High temp. discharging protection.
HP manual reset and LP auto reset switch.
Compressor with pre delivery Lubricant.
Suction filter per medium-temp. compressor.

Oil Return System

Mechanical / Electronic oil level regulator per compressor.
High efficiency centrifugal oil separator and reservoir.
Oil strainer and an oil sight glass.

Liquid Receiver

Horizontal liquid receiver separated from the rack frame
Electronic level Liquid alarm.
Liquid inlet and outlet shutoff valve.
Receiver level gauge glass 2nos
Filter drier shell with replaceable core.
Liquid line Sight glass.



Ball valve for easy filter replacement.
3/8"SAE refrigerant charging valve .
Single safety relief valve, 28Bar for R404A
Vertical liquid receiver on the rack frame is optional

Piping

Robust comp. discharge and manifold design.
Large suction manifold for liquid separation and low pr. drop.
Suction / Discharge / Intermediate header piping
Oil return / Injection piping

Electrical Control

Circuit breaker, contactor , thermal overload per comp.
Suction and discharge pressure protection and alarm.
Low Refrigerant level alarm.
Auto / Manual / off switch per compressor.
Discharge temperature protection per compressor.
High/Low pressure protection per compressor.
Working/ failure/alarm light per compressor.
Oil pressure protection per compressor.
Part winding start of the compressor.
Ammeter & voltmeter.
Lack/fault phase and over/under-voltage protection.
Rack controller for auto operation.
LP sensor for compressor capacity control.
HP pressure sensor for control.
Rack Main circuit breaker.

Others

Backup suction filter elements.
Backup liquid filter elements.
Hot gas defrost line with valve (Optional)
Electronic oil level control (Optional)

Nomenclature:

<Typical models>

GR T2C60 SRW GR M4D100 AAA GR L2E60 SRR

Model

GC - GoCold Rack with Electrical panel & controller.

Application

T- Two Stage, L - Low temp, M - Medium Temp, C-Combination

No of compressors

2 - No of comps

Compressor Make

C: Carlyle, D-Dorin, E: Emerson, B: Bitzer, T:Tecumseh

Nominal Comp Power

60, 100,

Accessories

S - Suction accumulator included

A- Suction accumulator not included

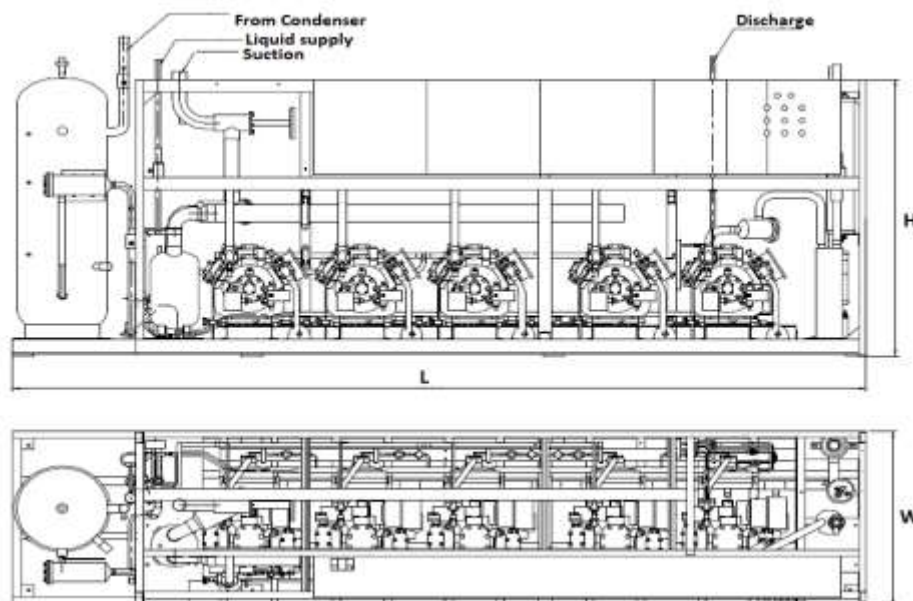
R - Receiver Included

A - Electrical panel not included

W - Water cooled condenser included

R-Air cooled condenser, A - Condenser not included





Model	Tc -40C		Tc -35C		TC -30C		Dimension		
	Capacity	Power	Capacity	Power	Capacity	Power	L	W	H
GR T3C090	66	42	83	47	107	55	3800	1200	1900
GR T4C120	88	56	110	63	142	73	4500	1200	1900
GR T5C150	109	70	138	79	178	91	5100	1200	1900
Model	Tc -35C		Tc -30C		TC -25C		Dimension		
	Capacity	Power	Capacity	Power	Capacity	Power	L	W	H
GR L3C090	44	55	65	58	88	68	3800	1200	1900
GR L4C120	59	67	87	78	118	91	4500	1200	1900
GR L5C150	74	84	109	97	147	114	5100	1200	1900
Model	Tc -10C		Tc -5C		TC 0C		Dimension		
	Capacity	Power	Capacity	Power	Capacity	Power	L	W	H
GR M3D020	32	16	40	17	49	18	3100	1000	1600
GR M3D025	38	19	47	20	57	22	3300	1000	1600
GR M3D040	60	30	75	33	92	36	3800	1000	1600
GR M3D105	210	105	258	120	291	111	3700	1200	1900
GR M4D140	292	140	344	160	388	148	4350	1200	1900
GR M5D175	350	175	430	200	485	185	4950	1200	1900

Above rating are with R404a and Condensing at +45C, Super heat of +20C and Sub cooling 0K.

For two stage sub cooling included and capacity with sub cooled Liquid.

Data above are for reference only and subject to change without notice.

For other operating conditions please contact us.

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