



30GSU Series

Air Cooled Scroll Chiller

Nominal : 18 - 45 Tons



World's No.1 Air Conditioning Expert

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30GSU SERIES



Air Cooled Scroll Chiller

Features

- Low-noise scroll compressors with Low vibration level
- The compressor assembly is installed on an independent chassis and supported by anti-vibration mountings
- Dynamic suction and discharge piping support, minimizing vibration transmission
- Maintenance-free scroll compressors
- Low operating sound with no intrusive low-frequency noise, creates a better working/living environment.
- Environment sound refrigerant R-410a of zero ozone depletion potential.
- Single refrigerant circuit for maximum safety and part loaded operation
- Completed with control panel, unit operation at low different pressure

Physical Data

Description		Air Cooled Scroll Chiller Unit				
Model		30GSU018	30GSU024	30GSU030	30GSU036	30GSU048
Nominal Capacity	kW.	64.5	79.8	103.2	129.6	159.5
	Btu/Hr.	220,000	272,000	352,000	442,000	544,000
Power Input kW.		21.96	26.46	35.2	43.3	52.92
Operating Current Amp.		44.8	61.6	72.2	94.8	123.2
Cooler	Type	Shell & Tube DX COOLER				
	Model	EST030-2-10	EST035-2-10	EST040-2-12	EST060-2-12	EST080-2-14
	Water Flow R GPM	44	54	70	88	109
	Pressure Drop FT.WG	10.7	14.8	6.1	8.3	8.5
Water Connection	Type	Male Pipe Thread				
	Inlet Pipe Inch	2-1/2"	2-1/2"	3"	3"	4"
	Outlet Pipe Inch	2-1/2"	2-1/2"	3"	3"	4"
Compressor	Type	Hermetic Scroll Compressor				
	Quantity	2	2	2	2	4
Fan Motor	Power Supply V/Ph/Hz	380 / 3 / 50				
	Power Input W.	630	630	1850	1850	630
	RLA Amp.	2.21	2.21	3.7	3.7	2.21
	QTY	2	2	2	2	4
Blower	Fan type	Propeller				
	Drive Type	Direct				
	QTY	2	2	2	2	4
	Fan Dimension Inch	28"	28"	31"	31"	28"
Condenser	Face Area sq.ft	50.44	50.44	53.53	53.53	100.88
	Density FPI	18	18	16	16	18
	Row	1.6	2	3	3	2
	Air Flow	21,600	21,520	28,840	28,840	43,040
Refrigerant		R410a				
Refrigerant charging from factory kg.		11	15	18	22	30
Shipping Weight kg.		1,200	1,340	1,400	1,450	2,170
Unit Size	Width mm.	2,254	2,254	2,254	2,254	2,254
	Height mm.	2,087	2,087	2,327	2,327	2,087
	Depth mm.	1,286	1,286	1,286	1,286	2,538

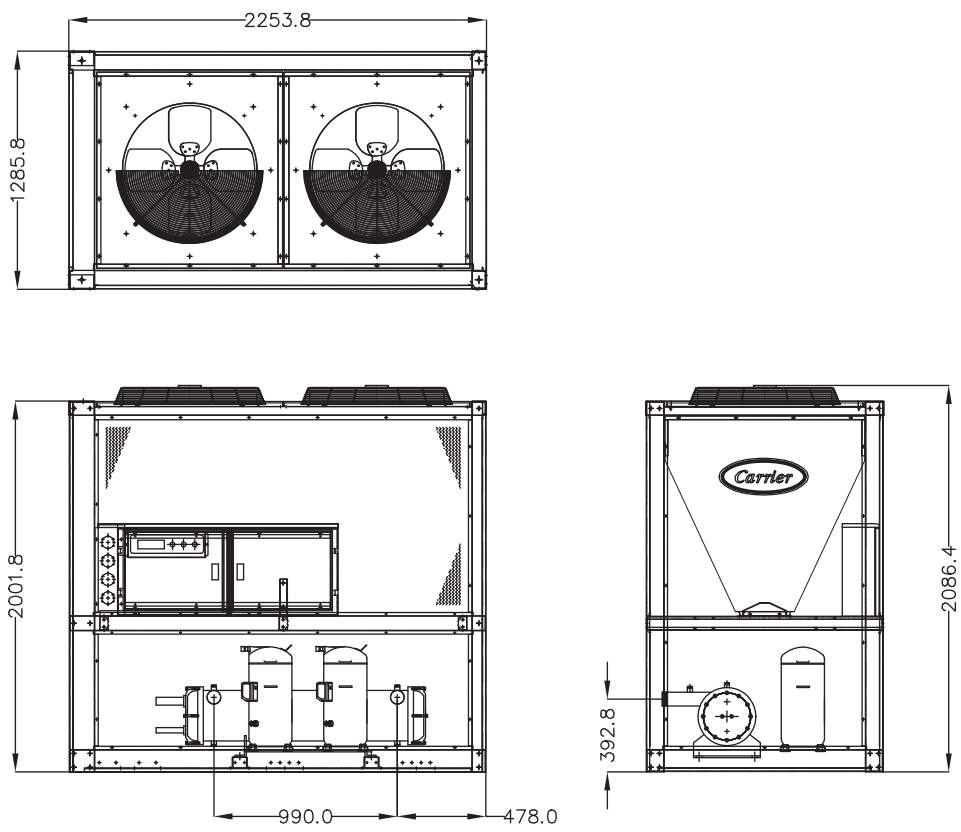
Remark : Rating at

1. Ambient Temperature 95°F

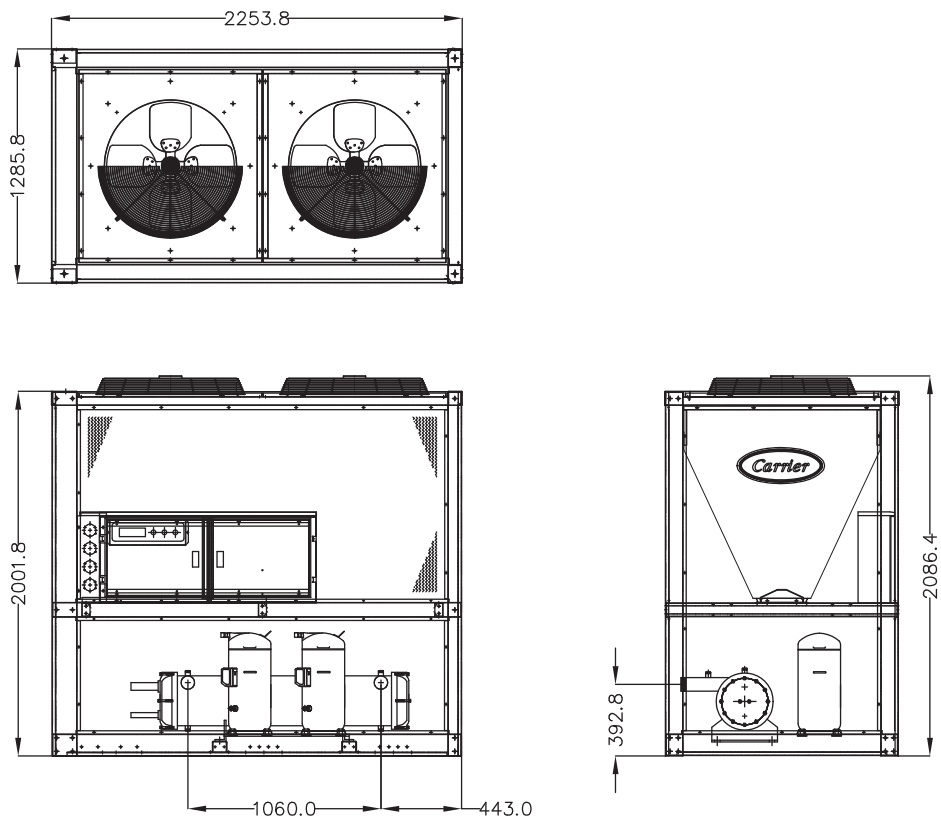
2. Leaving Chilled Water Temperature 45°F

3. Entering Chilled Water Temperature 55°F

Unit dimensions

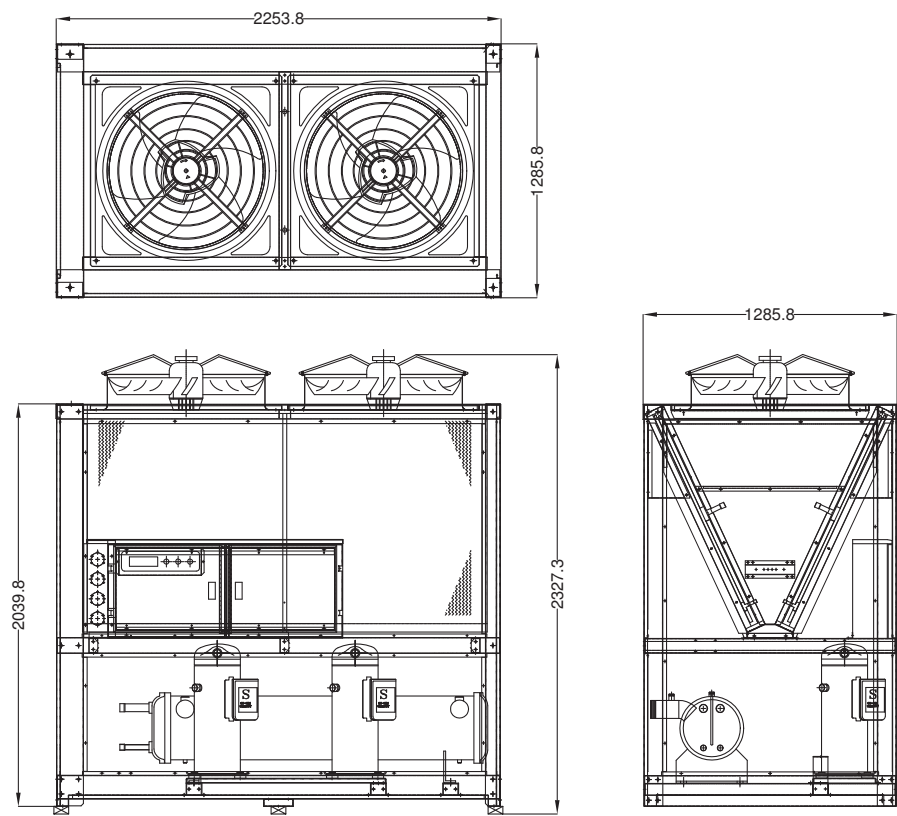


Model : 30GSU018

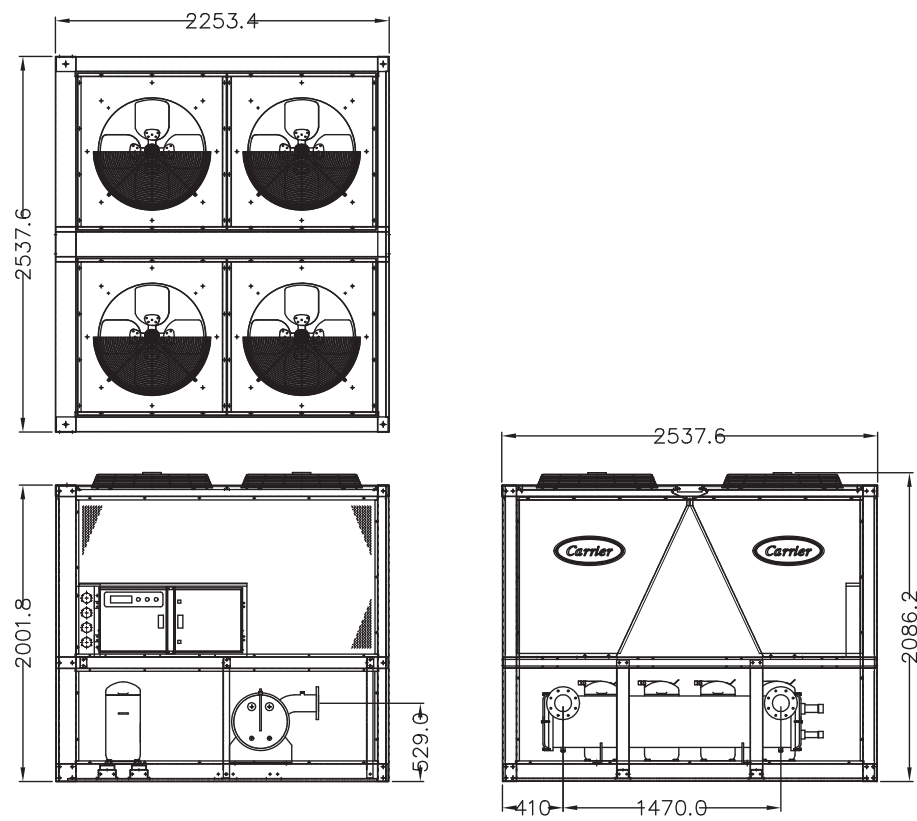


Model : 30GSU024

Unit dimensions



Model : 30GSU030-036

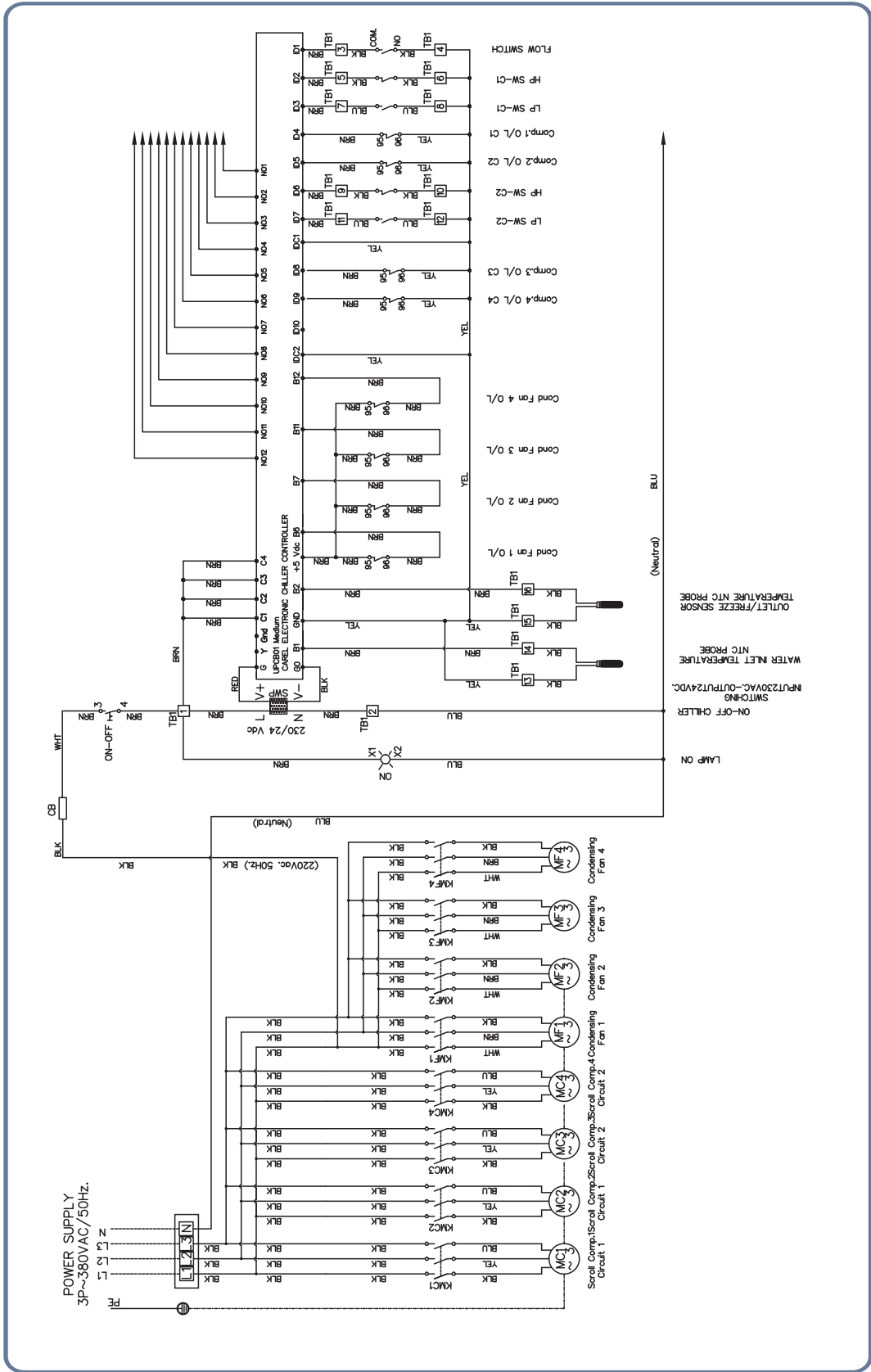


Model : 30GSU048



Model : 30GSU018-036

Electrical wiring diagrams



Model : 30GSU048

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