



40RBX / 38AF Series

Air Handling Unit - Split System (R-407c)

Nominal Capacity : 200,000-400,000 Btuh



World's No.1 Air Conditioning Expert

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40RBX/38AF Series



These fan coil units offer customized arrangement with Carrier's renowned dependability.

The **40RBX** air handlers provide an efficient source of conditioned air for factories, shops, offices or restaurants. Coupled with appropriate condensing unit, the **40RBX Series** produce nominal capacities from 200,000 to 400,000 btu/hr.

Slim proportions (less than 910 mm. deep) allow these units to be floor-mounted or ceiling-suspended. Modular construction allows interchangeable fan section arrangement to select optimum air discharge.

Compatible with



38AF Series

38AF Series

Air-cooled condensing units having nominal capacities 200,000 to 400,000 btu/hr. Inside and outside surface ensure long life, excellent finish and corrosion resistance.

Features

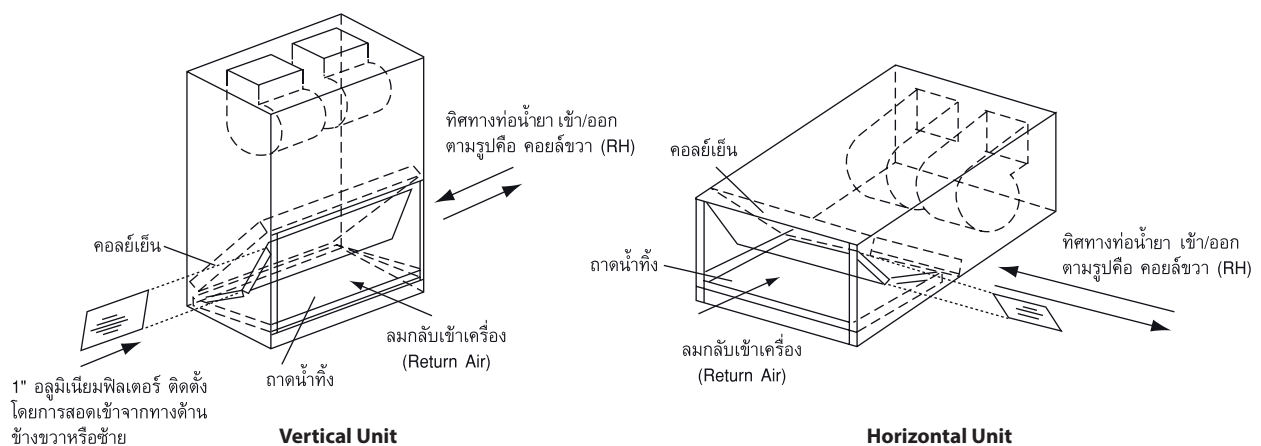
- Semi-hermetic reciprocating compressor
- Compact size
- Reliable operation

Physical data

Description		Model	CDU	38AF			
				020	025	030	040
		AHU	40RBX				
			020	025	030	040	
Normal Capacity	Cooling Capacity * Air Flowrate	btu/h cfm	200,000 7,500	280,000 8,600	320,000 10,700	400,000 13,000	
Refrigerant			R-407c				
CDU							
Operating Weight			kg	524	583	620	651
Power Supply			V/Ph/Hz	380/3/50			
Dimension	Width	mm	2200	2200	2200	2200	
	Height	mm	1300	1300	1300	1300	
	Depth	mm	1,610	1,610	1,610	1,610	
Condenser Coil	Coil Arrangement	row / fpi	1.5/15	3/15	3/15	3/15	
	Coil Face Area	sq.ft	42.94	42.94	54.00	54.00	
	Coil / Fin Material		Cu/Al	Cu/Al	Cu/Al	Cu/Al	
	No. of circuit		1	1	1	1	
Compressor	Type	Semi-Hermatic Reciprocating					
	No. of compressor(s)		1	1	1	1	
	Capacity steps		0/50/100	0/66/100	0/66/100	0/66/100	
Condenser fan	Type	Propeller, Direct Drive					
	Q'ty.....Diameter	inch	2...28"	2...28"	2...30"	2...30"	
	Fan motor power input	V/Ph/Hz	380/3/50	380/3/50	380/3/50	380/3/50	
Pipe Connection	Liquid pipe dia.	Q'ty...inch	7/8"	7/8"	7/8"	7/8"	
	Suction pipe dia.	Q'ty...inch	1-5/8"	1-5/8"	2-1/8"	2-1/8"	
AHU							
Operating Weight			kg	282	304	505	525
Power Supply			V/Ph/Hz	380/3/50			
Air Flowrate Range			cfm	6,100 - 7,600	7,000 - 8,600	8,600-10,800	10,500 -13,100
Cooling Coil	Coil Arrangement	row / fpi	3/14	4/14	4/14	4/14	
	Coil Face Area	sq.ft	15.23	17.39	21.72	26.30	
	Coil / Fin Material		Cu/Al	Cu/Al	Cu/Al	Cu/Al	
	TXV Q'ty...Size	ton	2...7.5	2...10	2...12	2...15	
	No. of circuit		2	2	2	2	
Fan	Fan Size	inch	15"x15"	15"x15"	18"x18"	18"x18"	
	Fan Q'ty		2	2	2	2	
	Standard speed	rpm	638	705	641	641	
Motor	Standard motor size	hp	3	5	7.5	7.5	
	Motor speed	rpm	1430	1410	1435	1435	
	Motor range	hp	3-5	3-5	7.5-10	7.5-10	
Accessories	Fan Pulley		280-1B-30	250-1B-30	280-2B-35	280-2B-35	
	Motor Pulley		125-1B-28	125-1B-28	125-2B-38	125-2B-38	
	Belt		B-44	B-41	B-72	B-72	
	Belt Q'ty		1	1	2	2	
Insulation	Type	PE Foam					
	Thermal Conductivity	0.036 w/m.K					
	Thickness	10mm					
Air Filter	Type	Washable Aluminium Filter					
	Q'ty ... Size	inch	3...16"x25"x1"	3...16"x25"x1"	2...16"x20"x2"	2...16"x20"x2"	
	(Width x Height x Thickness)		3...20"x25"x1"	3...20"x25"x1"	6...20"x25"x2"	6...20"x25"x2"	
Pipe Connection	Liquid pipe dia.	Q'ty...inch	2 ... 5/8"	2 ... 5/8"	2 ... 5/8"	2 ... 7/8"	
	Suction pipe dia.	Q'ty...inch	2... 1-3/8"	2... 1-3/8"	2... 1-3/8"	2 ... 1-3/8"	
	Condensate drain dia.		1"	1"	2"	2"	
	Condensate drain connection type		Female Pipe Thread				

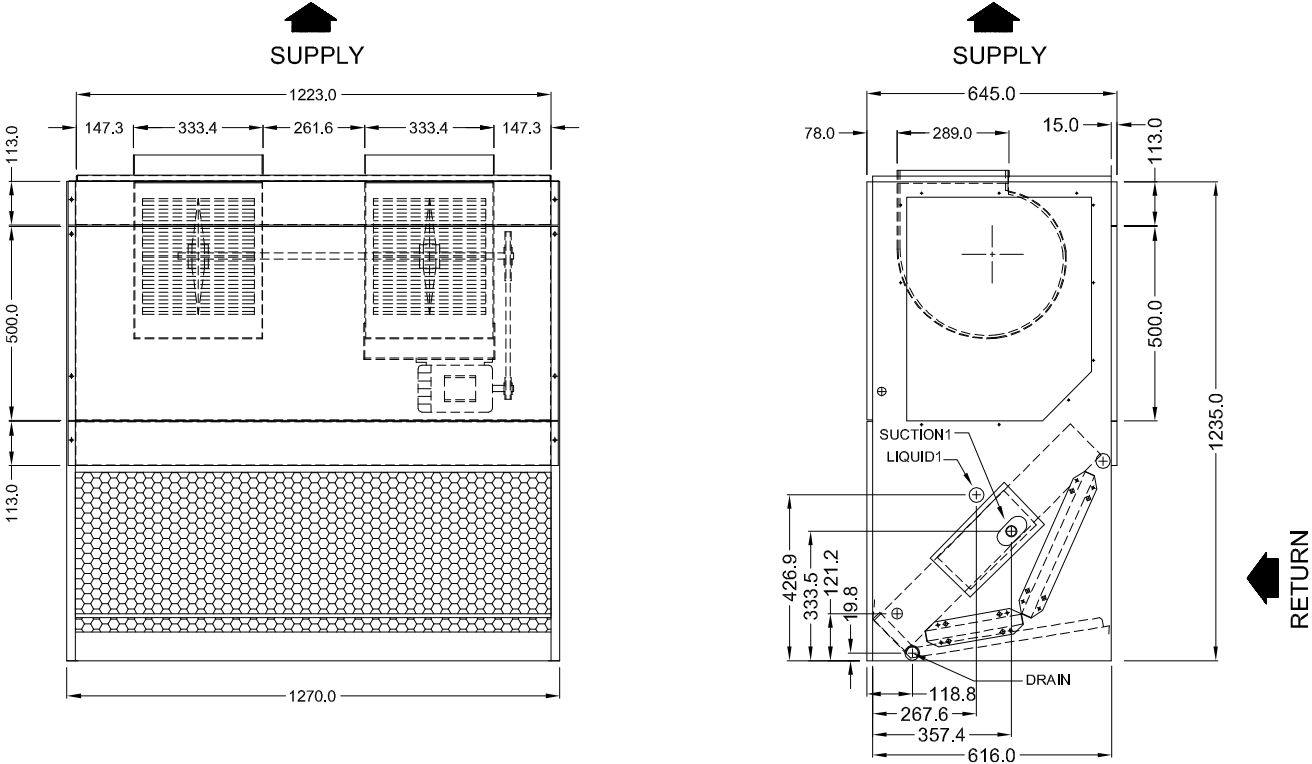
Remark : Cooling Capacity Based Ent-Air Temp 80 ° Fdb/67 ° Fwb, Max Air Flowrate.

Coil connection

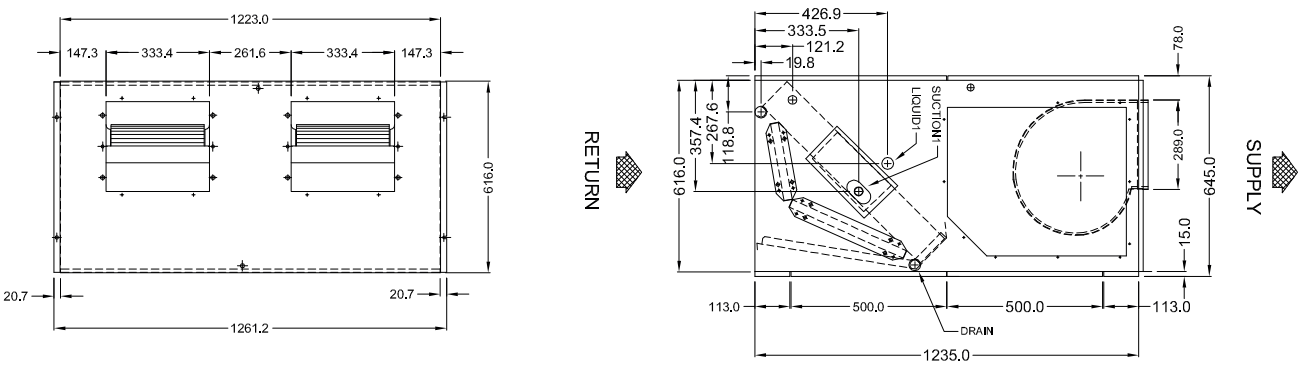


Unit dimensions

40RBX012 Vertical Type

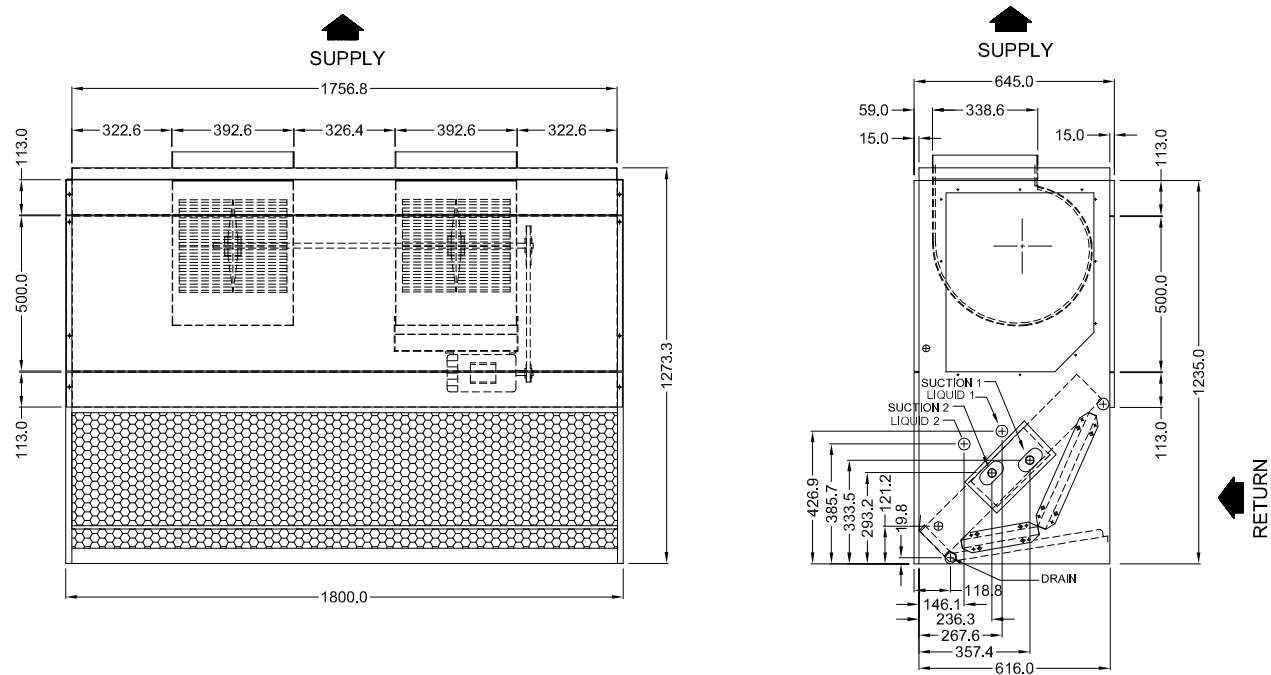


40RBX012 Horizontal Type

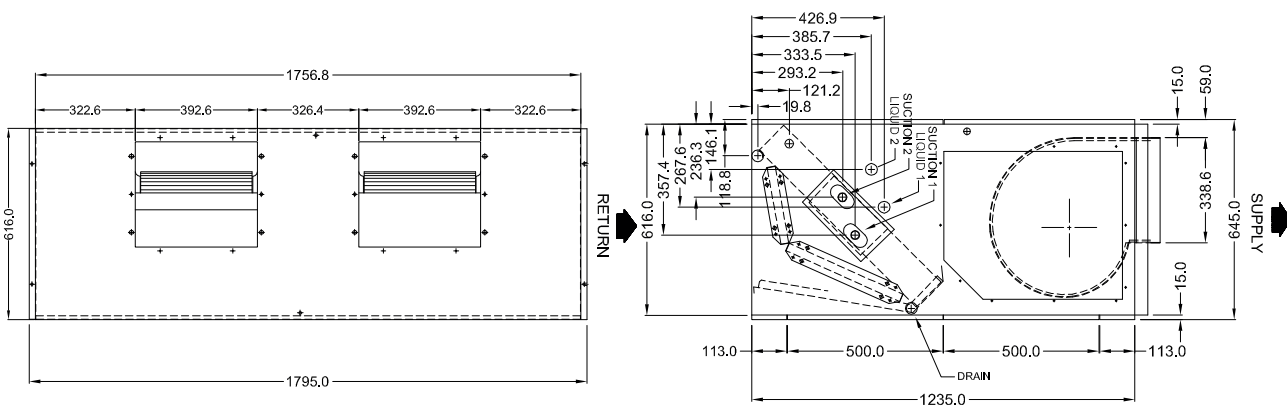


Unit dimensions

40RBX015 Vertical Type

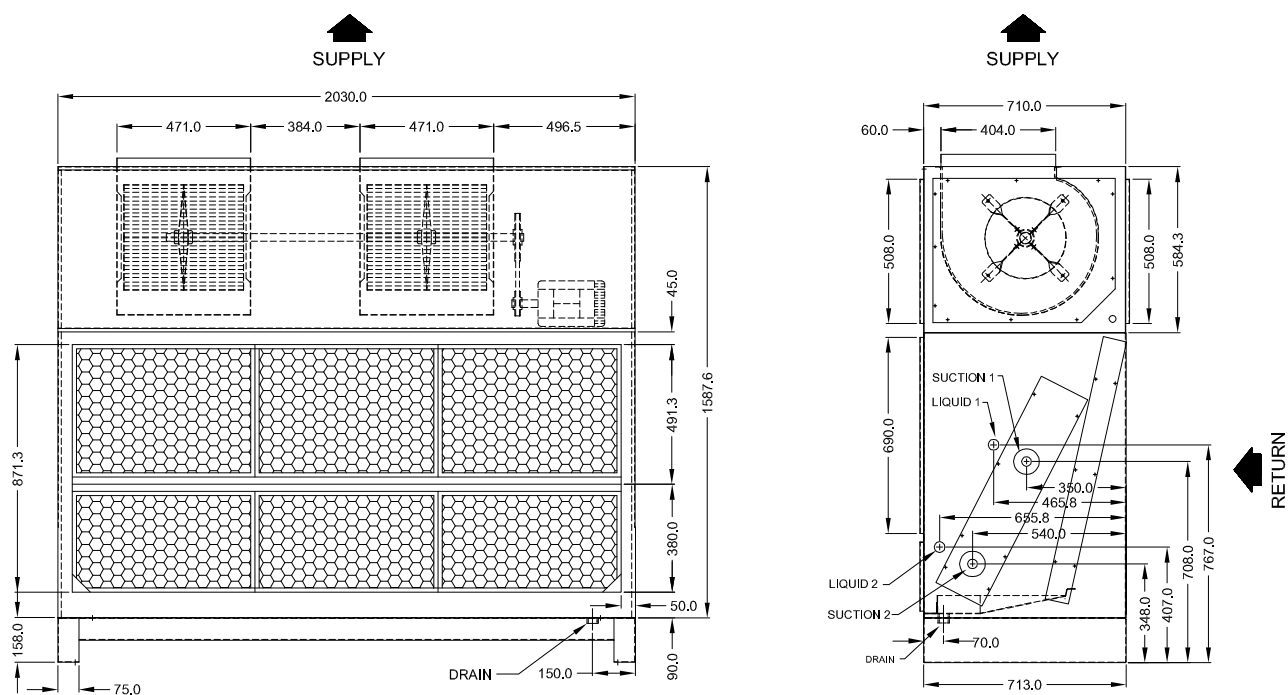


40RBX15 Horizontal Type

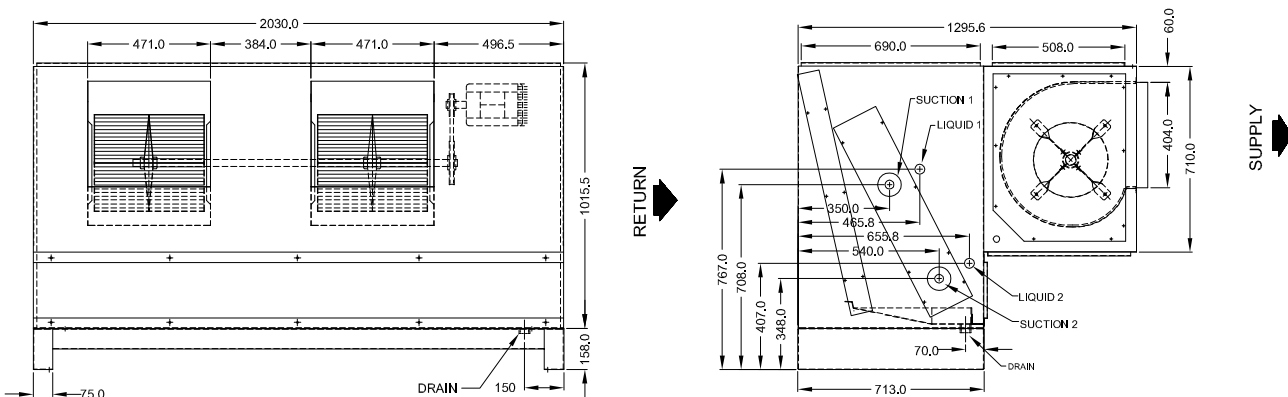


Unit dimensions

40RBX020, 025 Vertical Type

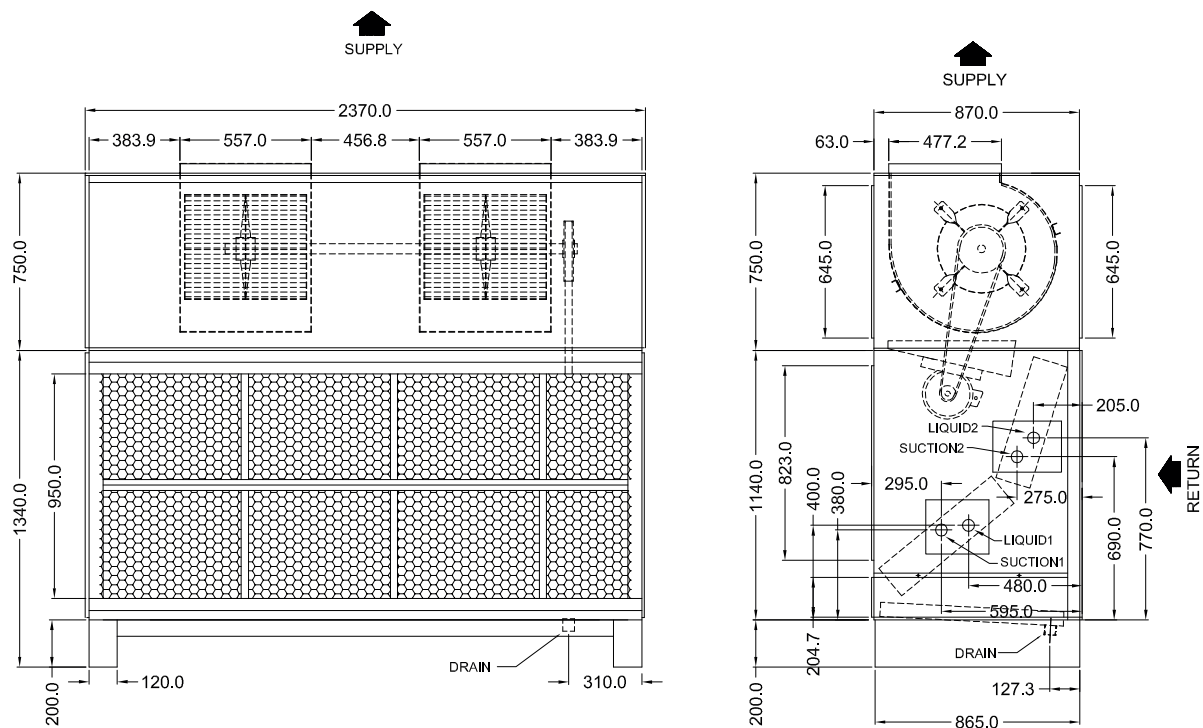


40RBX020, 025 Horizontal Type

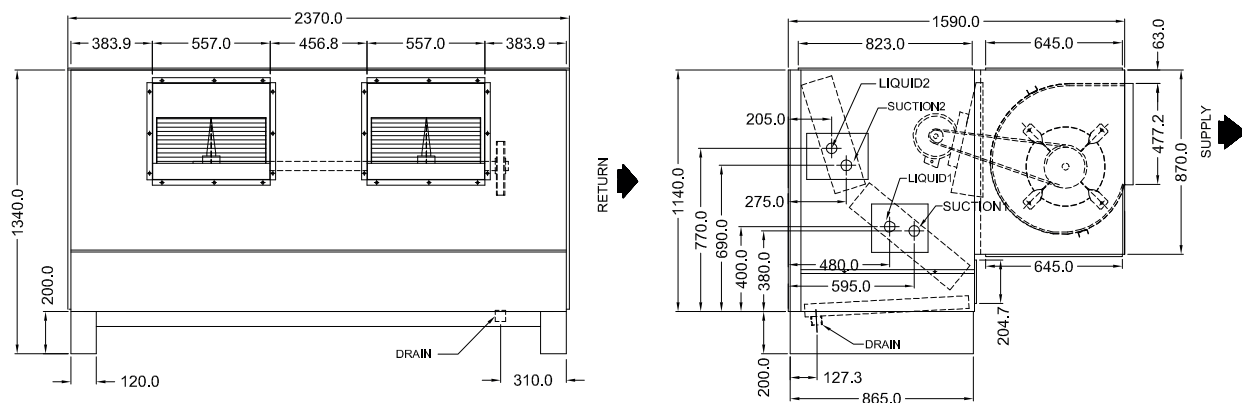


Unit dimensions

40RBX030, 040 Vertical Type

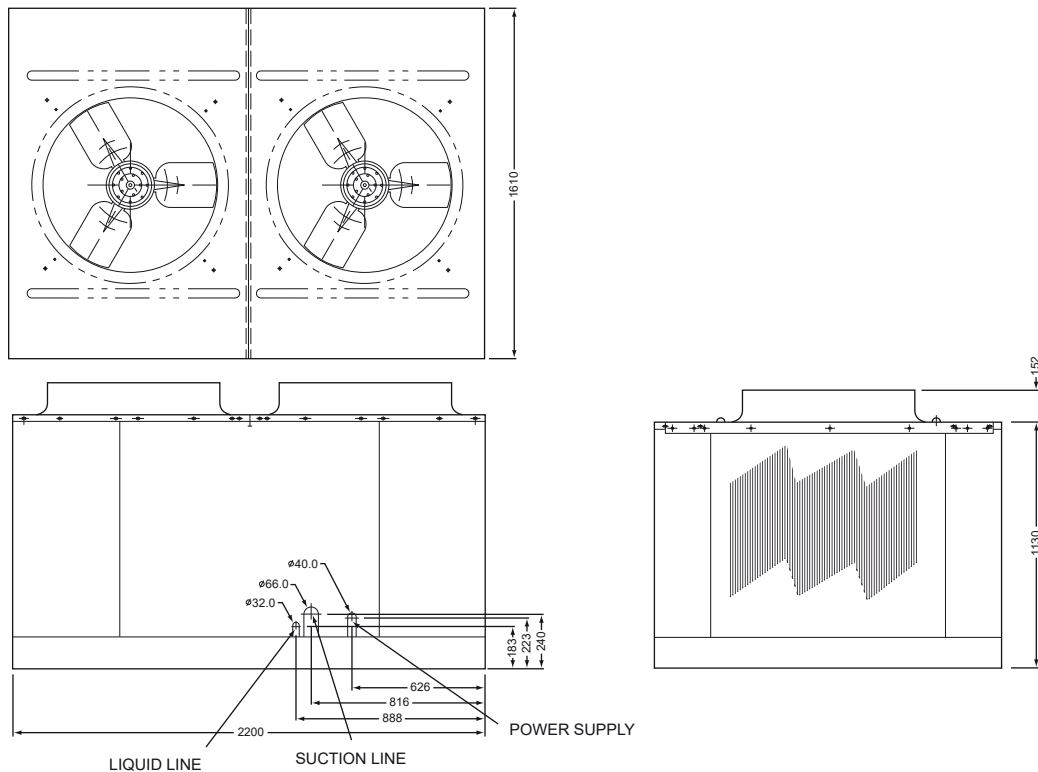


40RBX030, 040 Horizontal Type



Unit dimensions

38AF020-040



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