



40RBX / 38AF Series

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

Nominal Capacity : 200,000-400,000 Btuh



TT Air Engineering



World's No. 1 Air Conditioning Expert

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40RBX/38AF Series



These fan coil units offer customized arrangement with Carrier's renown 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 allow 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

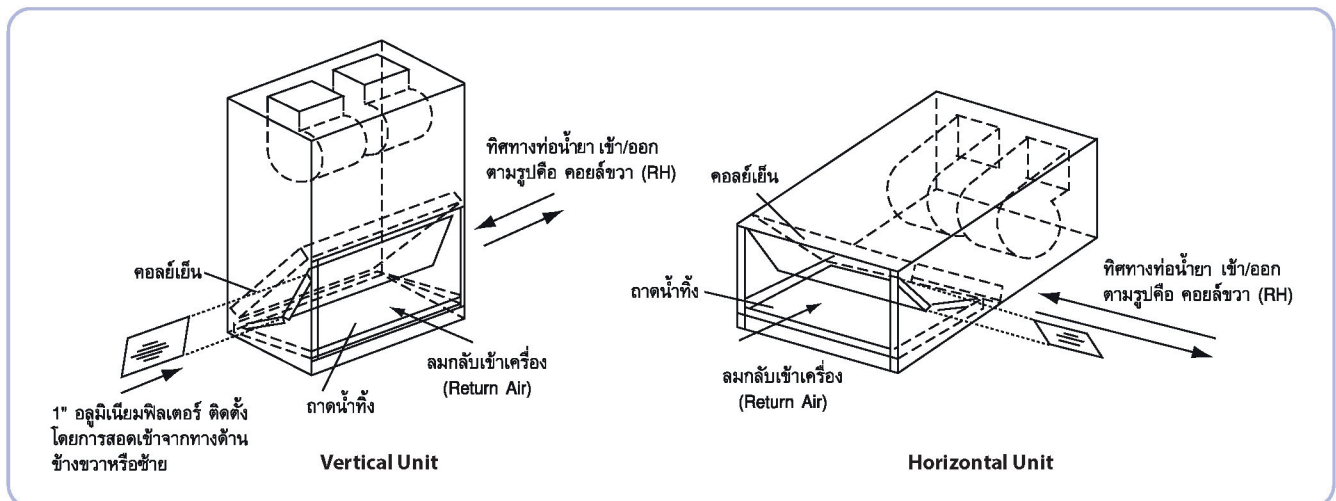
- Semi-hermetic reciprocating compressor
- Compact size
- Reliable operation

Physical data

Description		Model	38AF			
			CDU	020	025	030
		AHU	40RBX			
			020	025	030	040
Normal Capacity	Cooling Capacity *	btu/h	200,000	280,000	320,000	400,000
	Air Flowrate	cfm	7,500	8,600	10,700	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			

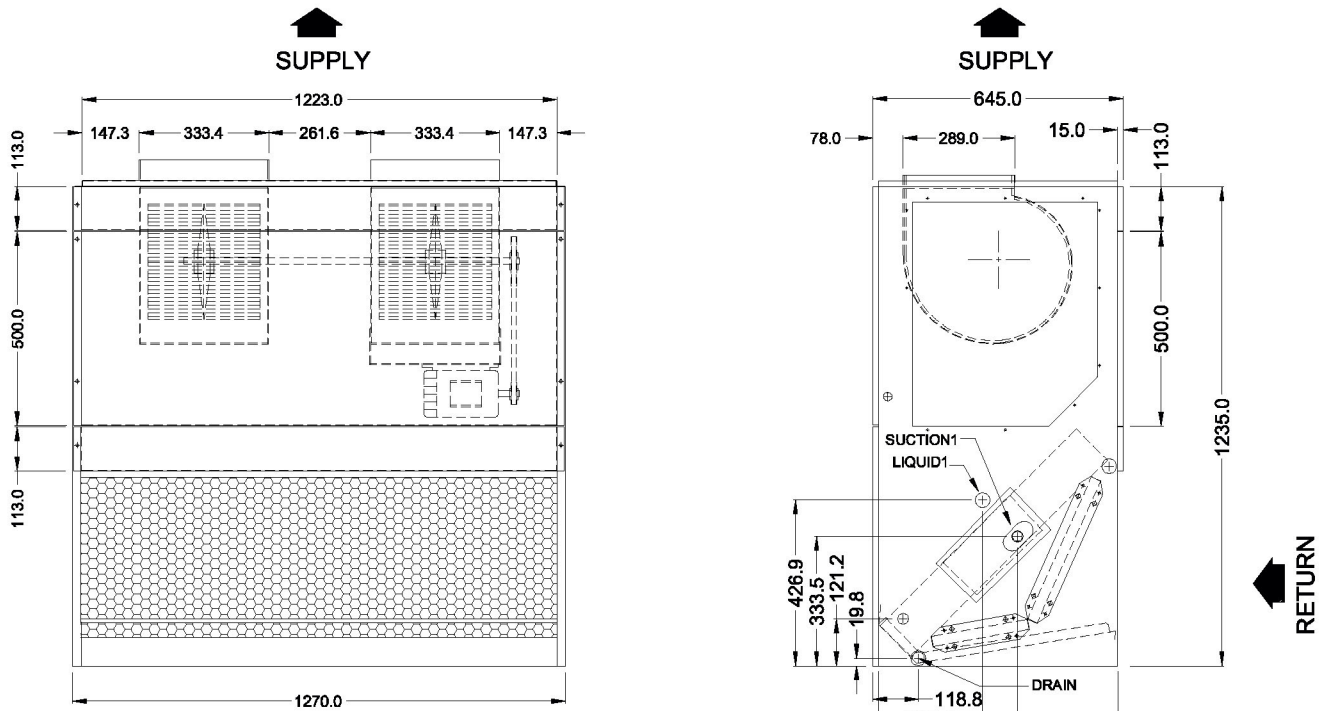
Remark : Cooling Capacity Based Ent-Air Temp 80 °Fdb/67 °Fwb, Max Air Flowrate.

Coil connection



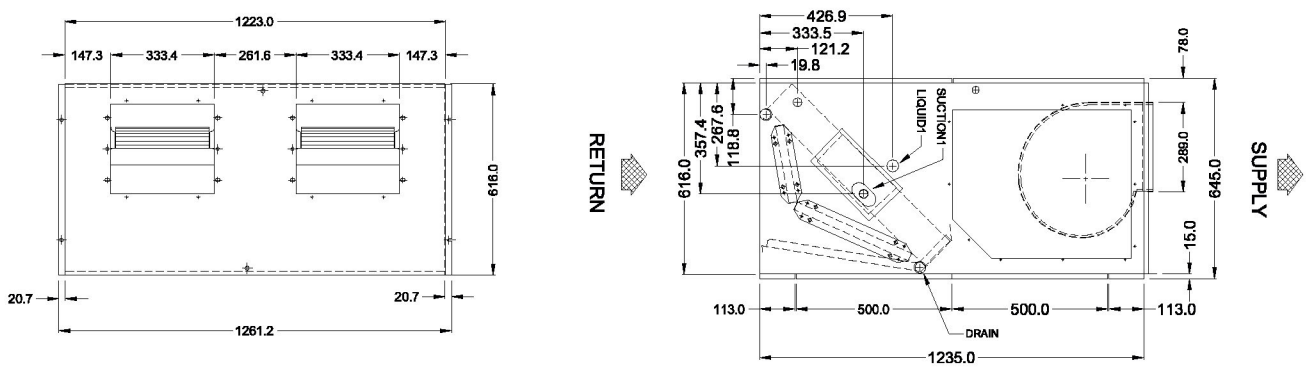
Unit dimensions

40RBX012 Vertical Type



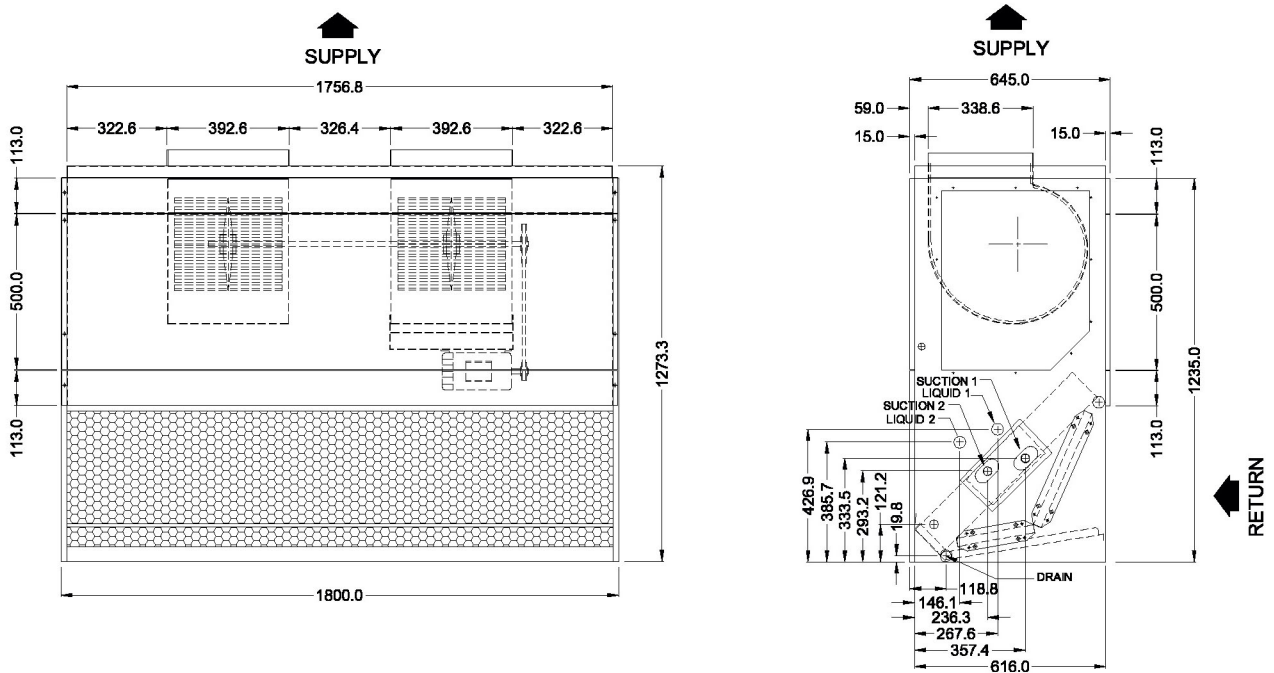
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40RBX012 Horizontal Type



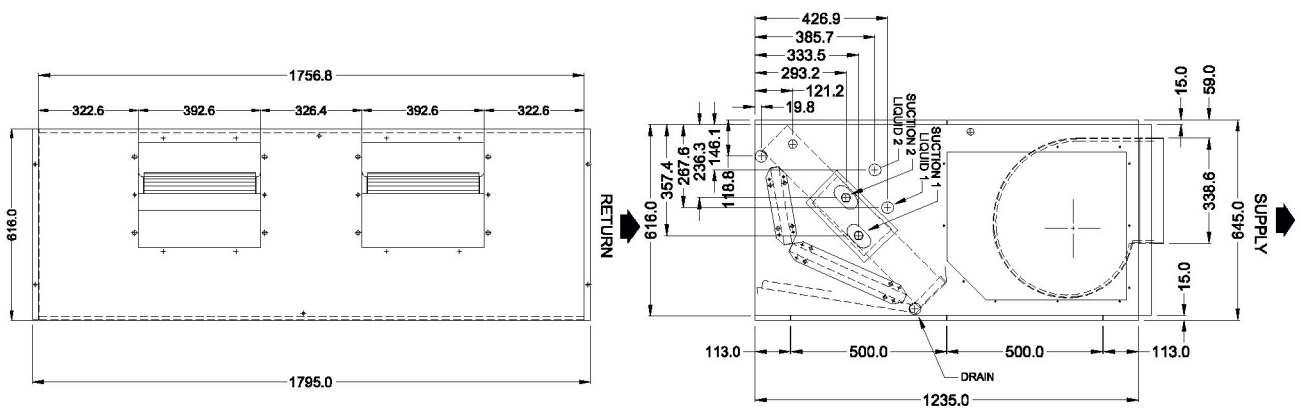
Unit dimensions

40RBX015 Vertical Type



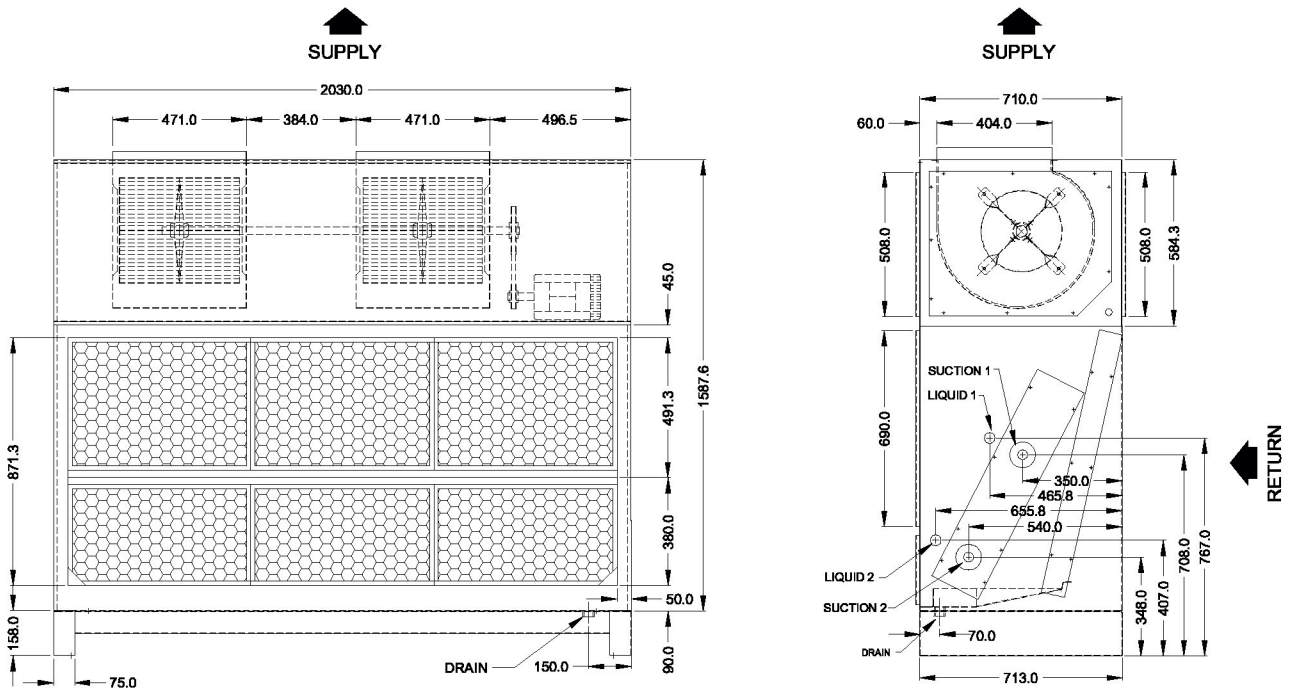
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40RBX15 Horizontal Type



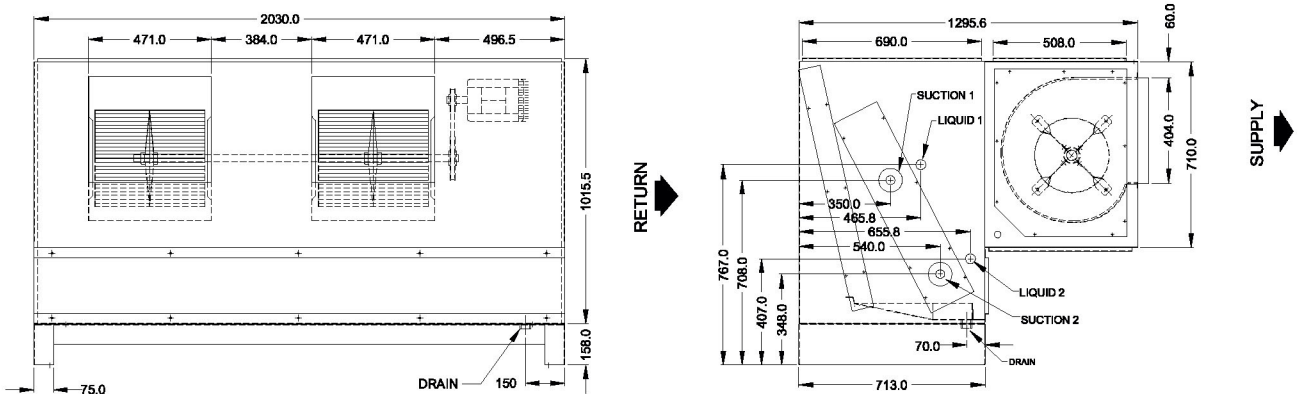
Unit dimensions

40RBX020, 025 Vertical Type



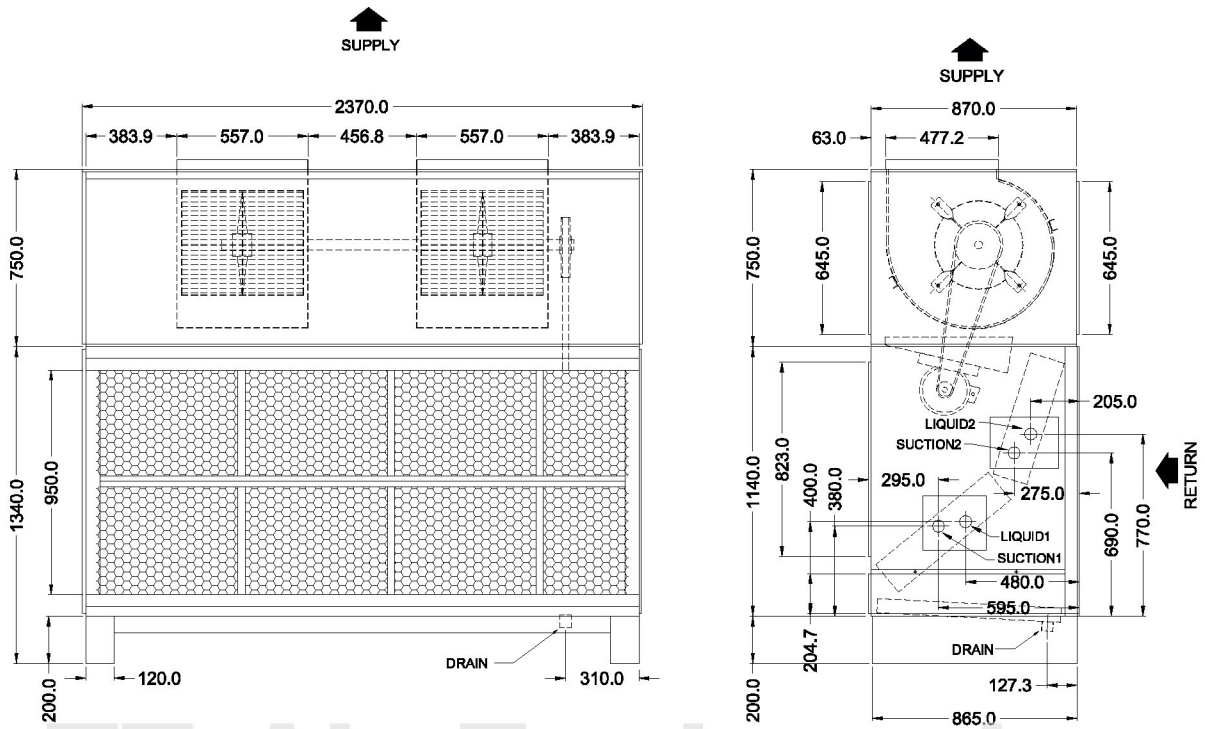
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40RBX020, 025 Horizontal Type

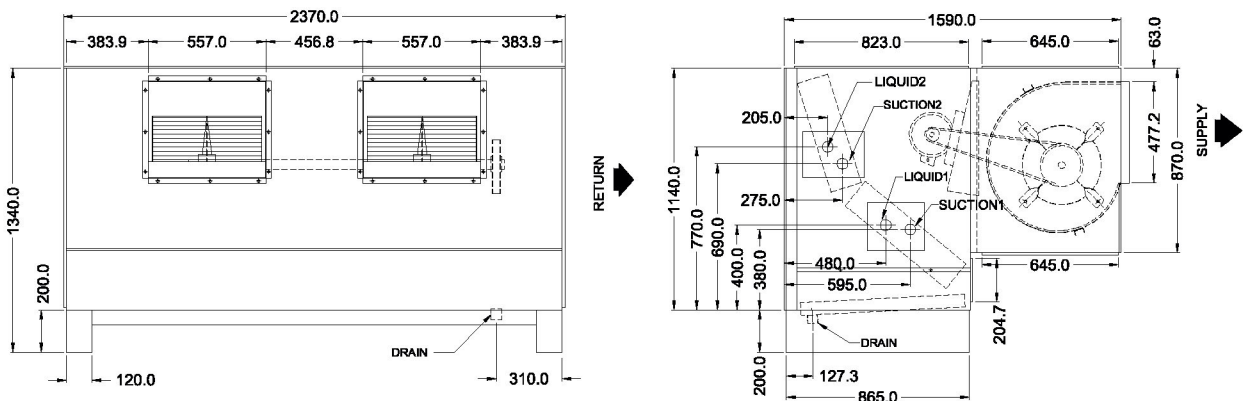


Unit dimensions

40RBX030, 040 Vertical Type

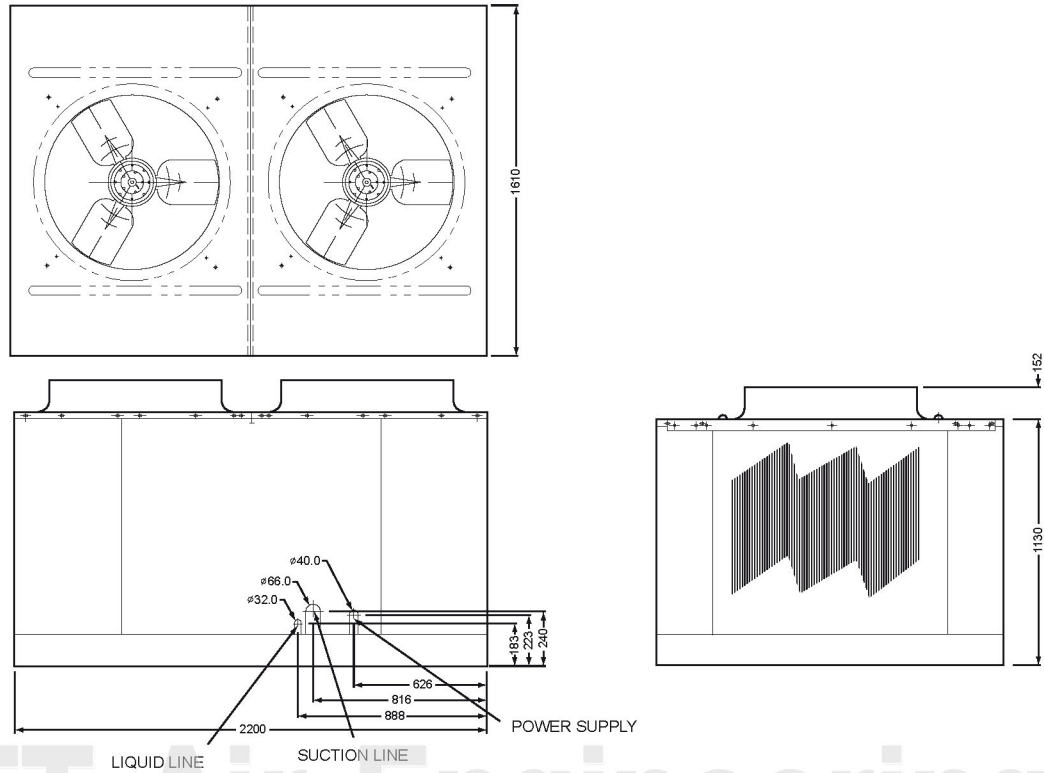


40RBX030, 040 Horizontal Type



Unit dimensions

38AF020-040



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40RBX_38AF/01/19