

FRESH AIR SYSTEM SPECEFICATION

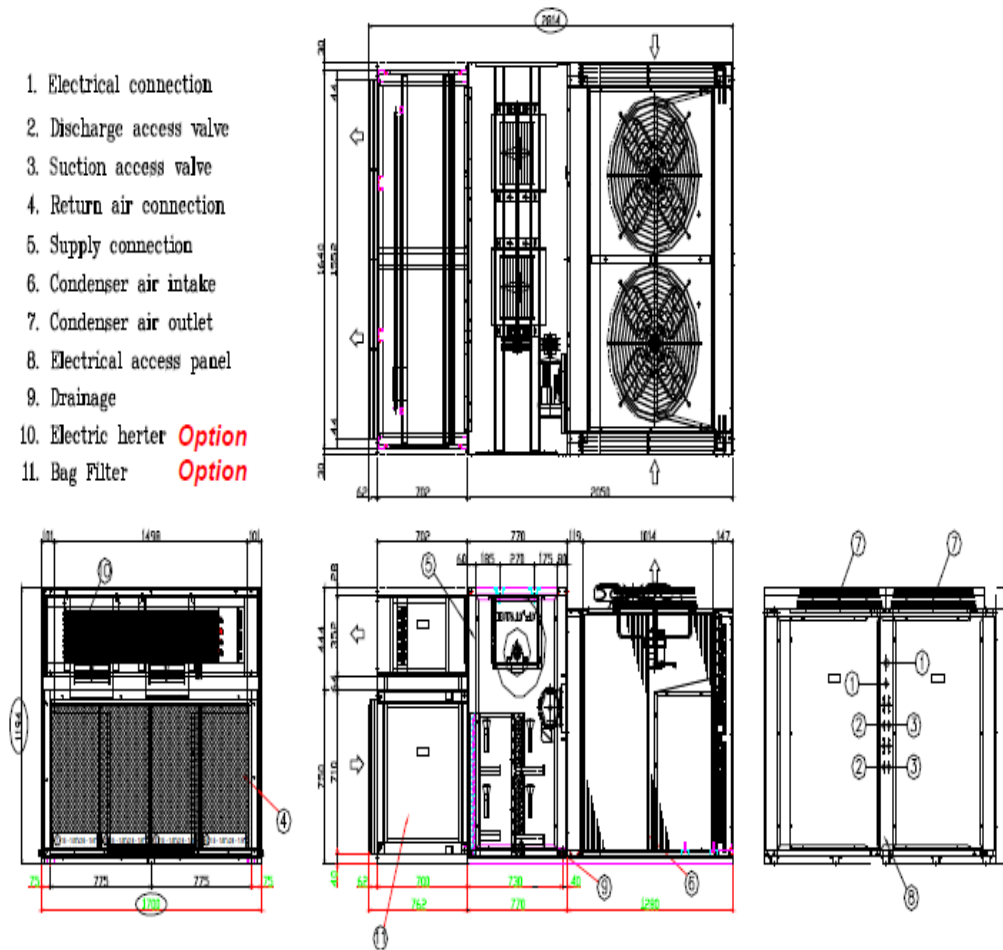


Specefication

Actual Cooling Capacity	kW	23.5	29.7	34.9	46.2	51.4	56.9	71.5	87.8	122.2	138.1	169.3
52°CDB/30°CWB Outdoor Temperature	MBH	80	101	119	158	175	194	244	300	417	471	578
	Kcal/h	20206	25537	30009	39725	44196	48925	61479	75494	105073	118745	145572
Actual Cooling Capacity	kW	24.3	30.7	36.2	49.2	53.3	62.8	74.1	91.3	127.4	143.1	175.5
46°CDB/30°CWB Outdoor Temperature	MBH	83	105	124	168	182	214	253	312	435	488	599
	Kcal/h	20894	26397	31126	42304	45830	53998	63715	78504	109544	123044	150903
Power source	V/Ph/Hz	380/3/50										
Compressor	Scroll											
Type												
Quantity		2	2	2	2	2	2	2	2	4	4	4
Condenser	Plate fin (slit type) bonded with copper tube											
Type												
Face area	m ²	1.41	1.82	2.06	2.5	2.5	3.18	3.18	3.76	6.13	6.13	6.13
Row/No. of fin	Fins/m	3/551*	3/551*	4/551*	4/551	4/551	4/551*	4/551*	4/551*	3/551*	3/551*	4/551*
Condenser fan	Propeller											
Type												
Dia.-NO.	inch	28-1	26-2	26-2	28-2	28-2	24-4	24-4	24-4	26-6	26-6	26-6
Drive	Direct											
Nominal air flow rate	L/S	2670	4250	4500	5340	6000	7250	7250	8000	15576	15576	16200
Condenser motor	Permanent split capacitor											
Type												
Power output (each)	W	560	560	560	560	560	560	560	560	560	560	560
Quantity		1	2	2	2	2	4	4	4	6	6	6
Evaporator	Plate fin bonded with plain or inner groove copper tube											
Type												
Face area	m ²	0.26	0.38	0.42	0.70	0.61	0.9	0.66	1.3	1.2	1.4	1.5
Row/No. of fin	Fins/inch	2,4/470*	2,4/470*	2,4/390*	2,4/390*	2,4/390*	2,4/390*	2,4/390*	2,4/390*	2,4/470*	2,4/470*	2,4/470*
Evaporator Fan	Double inlet centrifugal type (DWDI)											
Type												
D-W-NO.	inch	9*9-1	10*10-1	12*12-1		12*12-1		15*15-1	15*15-1	15*15-1	18*18-1	
Drive		V-belt										
Nominal airflow rate	L/S	425	520	640	830	945	1100	1300	1600	2300	2600	3200
Evaporator Motor	Totally enclosed induction motor											
Type												
Power Output	kW	0.37	0.75	0.75	0.75	1.50	1.50	2.20	2.20	3.73	3.73	5.60
Quantity		1	1	1	1	1	1	1	1	1	1	1

Dimensional Data

1. Electrical connection
2. Discharge access valve
3. Suction access valve
4. Return air connection
5. Supply connection
6. Condenser air intake
7. Condenser air outlet
8. Electrical access panel
9. Drainage
10. Electric heater *Option*
11. Bag Filter *Option*



Electrical Data

Cooling

Model SR	Volts-PH-Hz.	Voltage Range		Compressor		Condenser Fan motor each	Evaporator Fan motor each
		Min.	Max.	RLA	LRA	FLA	FLA
090FA	380 / 3 / 50	342	462	7.2x2	48x2	3.2x1	1.27
110FA	380 / 3 / 50	342	462	10x2	59x2	3.2x2	1.8
130FA	380 / 3 / 50	342	462	10x2	74x2	3.2x2	1.8
175FA	380 / 3 / 50	342	462	13.6x2	98x2	3.2x2	1.8
200FA	380 / 3 / 50	342	462	14.3x2	130x2	3.2x2	3.5
230FA	380 / 3 / 50	342	462	20.7x2	130x2	3.2x4	3.5
260FA	380 / 3 / 50	342	462	22.9x2	145x2	3.2x4	4.9
320FA	380 / 3 / 50	342	462	25.0x2	175x2	3.2x4	4.9
360FA	380 / 3 / 50	342	462	20.7x4	130x4	3.2x4	8.0
420FA	380 / 3 / 50	342	462	20.7x4	130x4	3.2x6	8.0
480FA	380 / 3 / 50	342	462	22.9x4	145x4	3.2x6	8.0
520FA	380 / 3 / 50	342	462	25x4	175x4	3.2x6	11.5

Notes:

1. RNC is running current at nominal condition.
2. Phase imbalance must not exceed 2%
3. All field installed wiring , devices and fuses must comply with local electrical codes.

Legend :

- FLA : Full load amperes
kW : Power output
LRA : Locked rotor amperes
RLA : Rated load amperes
RNC : Running amperes

