



azar **nasim**
AIR CONDITIONING COMPANY

CONDENSER UNIT



Overview

This air-cooled modular V and W type compact condenser units are designed for various refrigerants such as R22, R134a and R407c. Suitable for refrigeration and air conditioning installations. Due to reduced height of only 140 cm, this range of condensers is suitable for installations in residential areas or historic sites where the external units should be easily hidden. This range of condensers have standard configuration with two refrigerant circuits and it's equipped with heat exchangers that provides high efficient heat transfer with reduced refrigerant volume even for very low fan speed rotation. Aluminum guarded axial airfoil blade fans with directed driven is used for air cooled condenser units. The airfoil fan blades are caused to reduce noise and energy consumption. Motor speed is 900 rpm and motor protection is IP54 with thermal class F. Condenser fan also is protected against over load and over current by phase control system. Fan variable speed controller in 3 steps for capacity control and anti corrosion fin coating are in optional according to the project requirement. Easy access to coil and fans is

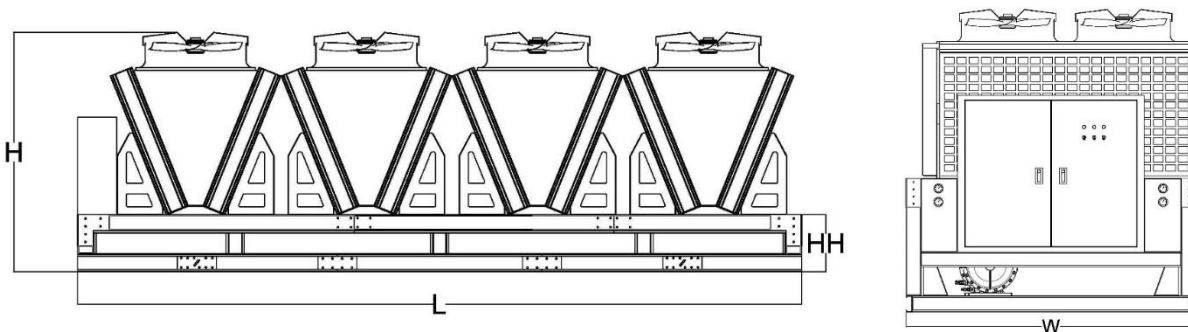
Table 1																	
Technical Data																	
Refrigerant R134a																	
Model	Heat Rejection (MBH)								Coil Face Area (Ft ²)	Fan Performance				Electrical data			Approximate Weight (kg)
	3Row/10FPI		3Row/12FPI		4Row/10FPI		4Row/12FPI			Quantity	Diameter (mm)	Fan Speed (RPM)	Air Flow Rate (CFM)	Power Input (kW)	Current (A)	Power Supply (V/Ph/Hz)	
	TD																
	20 (°F)	25 (°F)	20 (°F)	25 (°F)	20 (°F)	25 (°F)	20 (°F)	25 (°F)									
AN C 01	148	185	334	208	174	217	190	237	28.4	1	800	900	13530	1.93	3.9	380 /3~/50	396
AN C 02	296	370	502	416	348	434	379	475	49.72	2	800	900	27060	3.86	7.8		642
AN C 04	555	693	596	796	621	781	732	913	99.44	4	800	900	52000	7.72	15.6		1012
AN C 06	833	1040	956	1194	932	1171	1079	1370	149.2	6	800	900	78000	11.58	23.4		1468
AN C 08	1111	1387	1275	1591	1242	1561	1463	1826	198.9	8	800	900	104000	15.44	31.2		1824
AN C 10	1389	1733	1593	1989	1553	1952	1829	2283	248.6	10	800	900	130000	19.3	39		2480

Correction Factors

Altitude	Feet	0	500	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000
C.F		1	1.01	1.04	1.05	1.07	1.09	1.11	1.13	1.15	1.17	1.2	1.22	1.24	1.27	1.29	1.32	1.34

Fin Material	AL	CU
	1	1.03

Dimensions

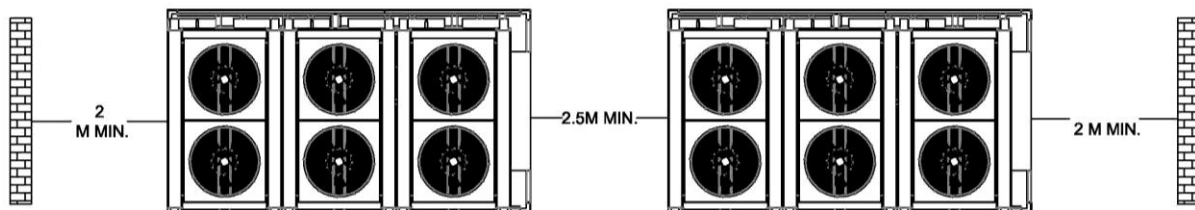
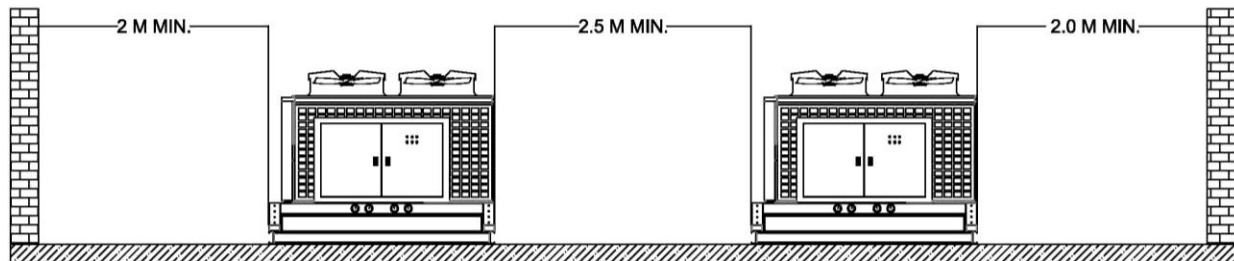
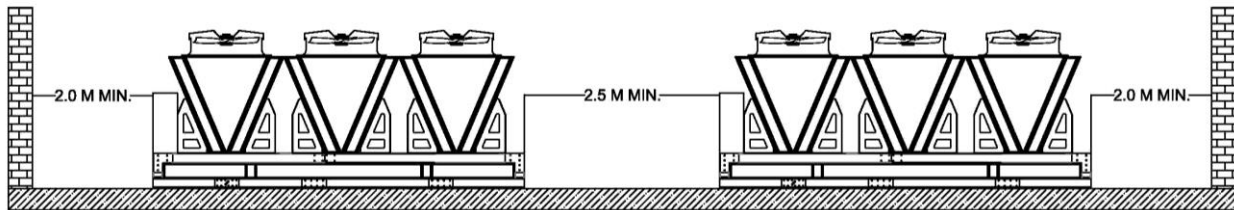


Quantity Of Fan	2	4	6	8	10
W	2400	2400	2400	2400	2400
L	1620	2940	4260	5580	6900
H	1850	1850	1850	1850	1850
HH	450	450	450	450	450

Note:

Fan Size :800 mm.
 Dimesnsion are in mm.

Installation Recommendation



Service Area

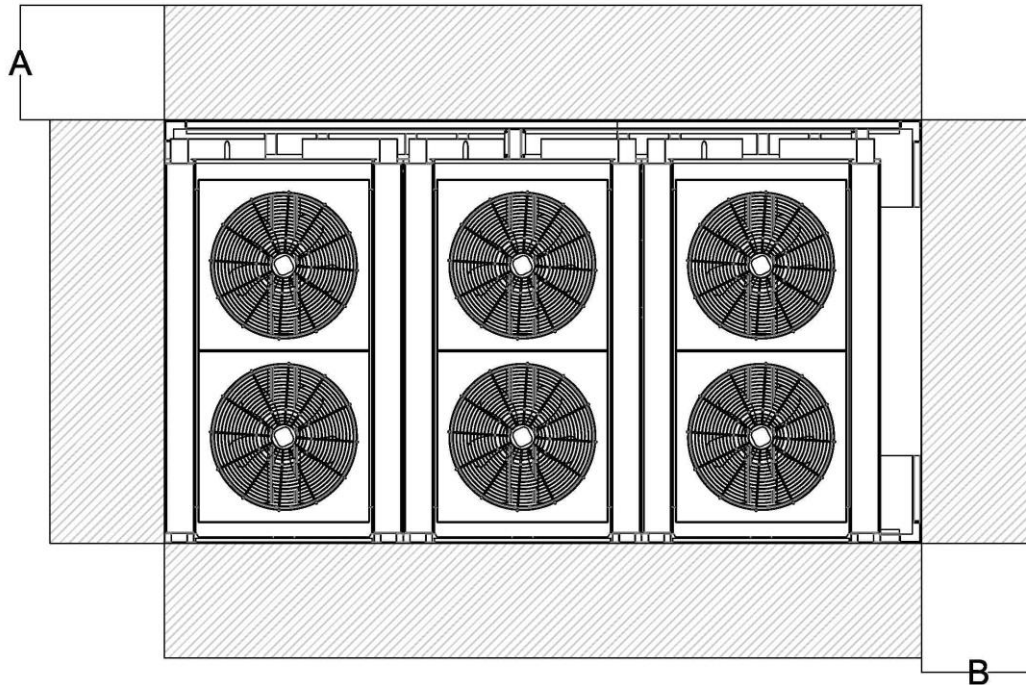


Table 5

Model	AN C 01	AN C 02	AN C 04	AN C 06	AN C 08	AN C 10
A	1200	1400	1600	1600	1600	1600
B	1100	1100	1100	1300	1300	1300

Note:

Dimensions are in mm

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