



Areawise Associates Product Profiles Corporate Info Exhibitions Customers Approvals

Cold Room Small and Medium

The need - Food poisoning is generally caused by lack of hygiene, or preparation storage, transport and pathogens such as Salmonella, E. Coli and spore are present in variety of raw food from poultry to eggs and pork to vegetables. Food preparation at incorrect temperatures can cause infectious pathogens and mold toxins, main sources of even fatal poisoning. The modern society with its want for diversity, eating-out and ready-made need has created an intricate food chain that often spans continents! This has in turn made it indispensable to keep temperatures under close scrutiny. Because freezing keeps food safe indefinitely Storing food properly in your walkin cooler will prevent. cross-contamination that can lead to Food borne Illness

Mellcon Engineers are the manufacturers of complete range of Industrial Modular Cold Rooms and Refrigeration units for the small and medium cold rooms , walk in refrigerators Walk in Coolers comprising of **Machine made** prefabricated PUF insulated Panels of different thickness from 60mm to150mm. thk PUF insulation and are covered with precoated GI sheet / SS sheet on both side or a combination of both. The Walk-In-Coolers are ready to assemble with the help of Cam locking arrangement provided inside the PUF panels and no need of any angle iron structure is required. **We pride ourselves on our unique ability to custom design any Walk In Cooler or Freezer application as well as insulated panel systems**

The advanced design Control panel is fully automatic and provided with all necessary controls for precise operation of the equipment. All models are fitted with remote electronic control panel which is adjustable to suit most requirements.

WALK IN COOLERS AND WALK IN FREEZERS FOR CONVENIENCE STORES, RESTAURANTS, FLORISTS AND INDUSTRY



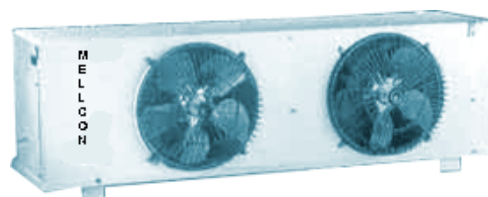
Mellcon Cold Room
Suitable for Temp of +4°C
Size = 10 ft * 10 ft * 8.6 ft
See Photogallery



Outdoor Unit



Condensing



Indoor Fan Coil Unit



TECHNICAL DATA OF UNITS FOR SMALL AND MEDIUM COLD ROOMS FOR AN INSIDE TEMP RANGE OF (-4 Deg.C to + 6 Deg.C)								
REFRIGERANT USED R-22 , R-134a , R-404a								
MODEL	HCRU - 0.6	HCRU - 0.75	HCRU - 1	HCRU - 1.25	HCRU - 1.5	HCRU - 2	HCRU - 2.5	HCRU - 2.75

COLD ROOM OF EXTERNAL SIZE IN METRES	2.5 x 2.5 x 2.4	3.5 x 2.5 x 2.4	3.5 x 3.5 x 3.0	4.0 x 4.0 x 3.0	5.0 x 4.0 x 3.0	6.0 x 4.5 x 3.0	6.0 x 5.5 x 3.0	7.0 x 6.5 x 3.0
AVERAGE POWER CONSUMPTION FOR R-22	0.75 KWH	1.05 KWH	1.20 KWH	1.45 KWH	1.85 KWH	2.35 KWH	2.80 KWH	3.25 KWH
AVERAGE POWER CONSUMPTION FOR R-134a	0.65 KWH	0.80 KWH	1.05 KWH	1.25 KWH	1.40 KWH	2.10 KWH	2.30 KWH	2.75 KWH
AVERAGE POWER CONSUMPTION FOR R-404a	0.75 KWH	1.05 KWH	1.30 KWH	1.55 KWH	1.95 KWH	2.50 KWH	2.90 KWH	3.35 KWH

NOTE: 1)The above refrigeration units are rated at (+) 2 Deg. C Inside Room Temp.
 2) We can also design the unit as per our customer's requirement.

TECHNICAL DATA OF UNITS FOR SMALL AND MEDIUM COLD ROOMS FOR AN INSIDE TEMP RANGE OF (-5 Deg.C to -20 Deg.C)								
REFRIGERANT USED R-404a								
MODEL	MCRU - 0.5	MCRU - 0.75	MCRU - 1	MCRU - 1.25	MCRU - 1.5	MCRU -1.65	MCRU - 1.8	MCRU - 2
TONS OF REF. COLD ROOM OF EXTERNAL SIZE IN METRES	0.5	0.75	1.0	1.25	1.5	1.65	1.8	2.0
AVERAGE POWER CONSUMPTION FOR R-404a	1.45 KWH	2.45 KWH	2.85 KWH	3.40 KWH	4.50 KWH	5.00 KWH	5.50 KWH	6.10 KWH

NOTE: 1)The above cold room units are rated at (-) 20 Deg. C Inside Room Temp

TECHNICAL DATA OF UNITS FOR SMALL AND MEDIUM COLD ROOMS FOR AN INSIDE TEMP RANGE OF (-20 Deg.C to -35 Deg.C)			
REFRIGERANT USED R-404a			
MODEL	LCRU - 0.5	LCRU - 0.75	LCRU - 1
TONS OF REF. COLD ROOM OF EXTERNAL SIZE IN METRES	0.5	0.75	1.0
AVERAGE POWER CONSUMPTION FOR R-404a	2.15 KWH	3.05 KWH	3.65 KWH

NOTE: 1)The above walk in cooler units are rated at (-) 35 Deg. C Inside Room Temp

OUR PRODUCT RANGES			
PSA Nitrogen Generator (New !!!)			
Air / Gas Dryers			
Heatless Air Dryer		Refrigerated Air Dryer	
Custom Made Air Dryer		High Pressure Air/Gas Dryer	
Blower Heat Regenerated Air Dryer (BHR)		Internal Heater Dryer (IHR)	
Heat of Compression Air Dryer (HOC)		Split Flow-No Purge Loss Air Dryer (SFNL)	
Chillers			
Air Cooled Water Chiller upto30Tr		Water Cooled Chiller up to 150Tr	
Packaged Dry Air Plants		Liquid CO2 Storage Tanks	
Packaged Dry Air Plant		Liquid CO2 Storage Tank	
Refrigerants			
Recovery System			
Other Products			
Auto Drain Trap	Air Receiver	Liquid Dryer	Walk in Cooler

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