

Cabinet Type **Multideck Full Height Roll-in**

Model Designation **RF**

File Reference **RFA-DX R744-2200**

Document Issue	1	18/06/2020	NM	First Issue Provisional Data
	2	29/04/2021	IP	General Update

cabinet **TECHNICAL DATA**



RETAIL EQUIPMENT LTD

Cabinet Type	Multideck Full Height Roll-in
Model Designation	RFA
File Reference	RFA-DX R744-2200

Contents

Technical Data -HFC Refrigerant	✓
Commissioning Data	✓
Section and Plan	✓

Carter Retail Equipment Contacts

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Product Type	Dairy 3M1
Product Temperature	+5/-1
Maximum Design Ambient	ISO 3 25°C / 60% RH

Case Length [m]	3.75	2.50					
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Refrigeration Data							
Refrigeration Duty (per 24hrs) [kW] ISO3	8.60	5.73					
Refrigeration Duty (per 24hrs) [kW] ISO0	0.00	0.00					
Evaporating Temperature [°C]	-5	-5					
Nett Environment Cooling Effect [kW]	4.62	3.08					
AKVP Orifice Size	6	5					

Case Length [m]	3.75	2.50					
Evaporator Refrigerant Volume [Ltr]							
Evaporator Liq Cap @ 25% R744 [kg]*	4.78	3.18					
Evaporator Liq Cap @ 100% R744 [kg]*	19.12	12.72					
Liquid Side Pressure Rating (bar)	80		Suction Side Pressure Rating (Bar)			60	
Refrigeration Pipe Tail – Suction	1/2"		Refrigeration Pipe Tail– Liquid			3/8"	

Case Length [m]	3.75	2.50					
Miscellaneous Data							
Refrigeration Connections	Top of Cabinet LHS						
Electrical Connection (Default Standard)	Top of Cabinet LHS	230V 50 Hz		Terminals			
Drainage Connection	1 Off L/H Side			Gravity			
Condensate Volume ISO 3 Ltr per 24hr	263	175					
Cabinet Weight	0	0					
Max STD shelf loading	250 Kg/m2		Max Stiffened shelf loading			350 Kg/m2	
Standard number of shelves per bay	Crate + 2		Angle Options (Typical as Standard)			0°	

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Product Type Dairy 3M1
Product Temperature +5/-1
Maximum Design Ambient ISO 3 25°C / 60% RH

Case Length [m]	3.75	2.50					
Electrical Data (@ 230V 50Hz)	Watts	Watts	Watts	Watts	Watts	Watts	Watts
Lights Canopy/Frame	55.2	36.8					
Fans	117	72					
Controller + Sol/Liq	10	10					
Defrost							
Trims Frame							
Trims Other							
Plinth/Ambient Fans							
Maximum Load – Off Cycle Defrost	182.2	118.8					

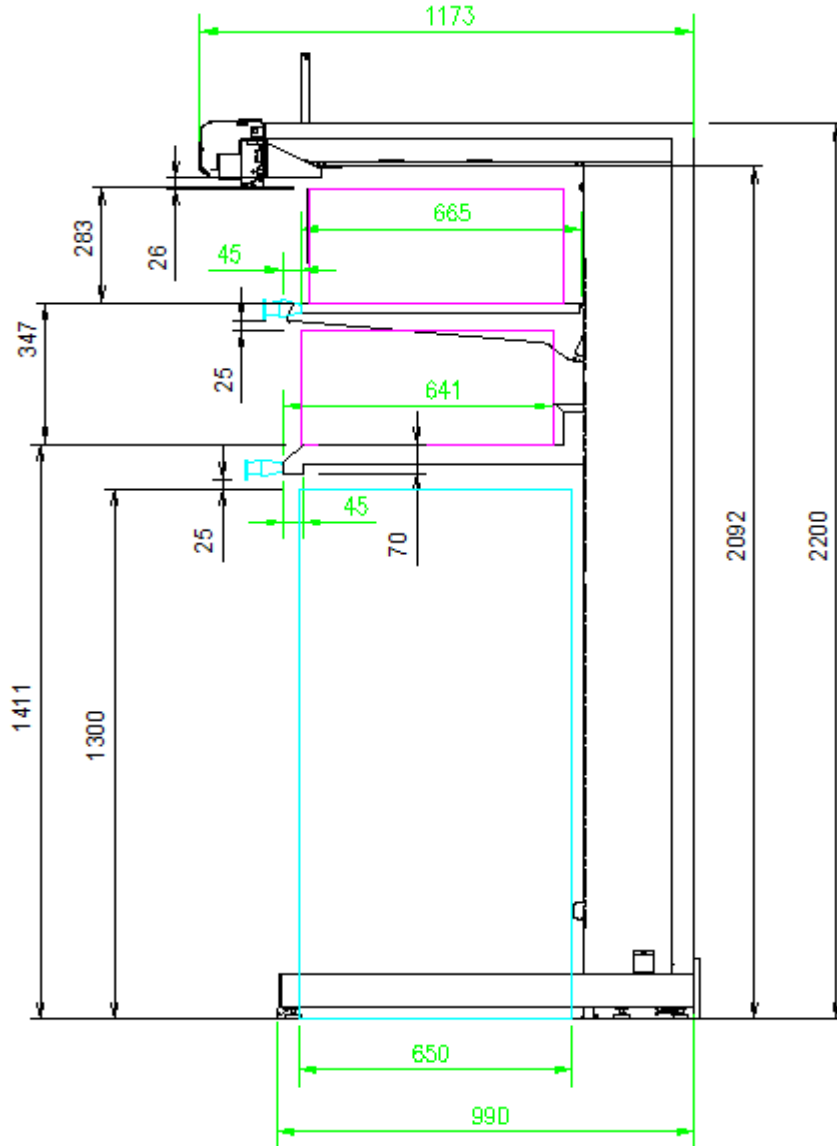
Electrical Data (@ 230V 50Hz)	Amps	Amps	Amps	Amps	Amps	Amps	Amps
Lights Canopy/Frame	0.24	0.16					
Fans	0.51	0.31					
Controller + Sol/Liq	0.04	0.04					
Defrost							
Trims Frame							
Trims Other							
Plinth/Ambient Fans							
Maximum Load – Off Cycle Defrost	0.79	0.52					

Energy Data	All M-packs between +10°C to +1°C (H1)						
Case Length [m]	3.75	2.50					
DEC	3.71	2.41					
REC	99.98	66.65					
TEC	103.69	69.06					
TDA	7.65	5.10					
TEC/TDA	13.81	13.81					
EI Rating %	92.02%	87.81%					
ECO Design Rating	G	G					

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Section Drawing

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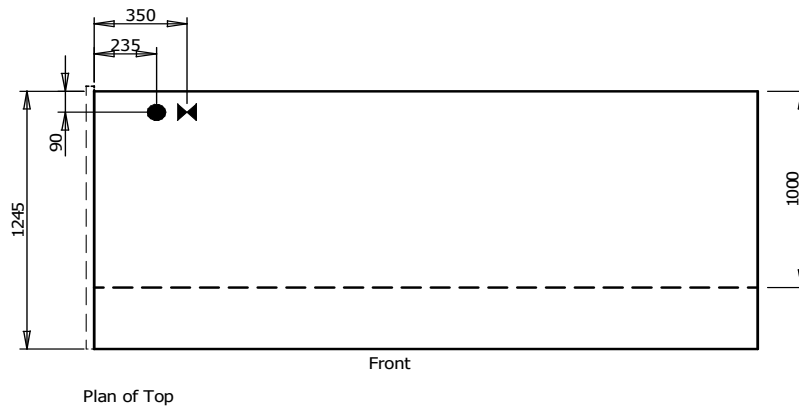
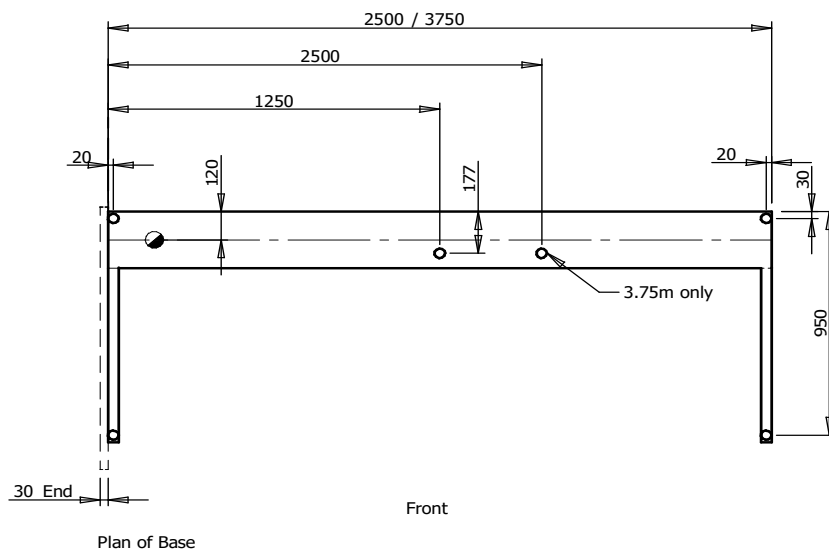


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Section Drawing

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- KEY
- Feet Positions
 - Refrig. Outlets
 - ◐ Drain Outlets
 - ⊗ Electric outlet from case



Ref:- DP1081-1

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Set Up Data** Off Cycle Defrost		Dairy
Cut In Temperature °C		0.5°C
Cut Out Temperature °C		-1.5°C
Cabinet Temp ratio (100% = Air Off)		100%
No Defrost in 24hrs		8
Max Defrost Duration (Mins)		45
Defrost Termination Temp C (Case Air Off)		8
Drain Down Time (Mins)		01:30
Fans in Refrigeration (RPM)		1800
Fans in Defrost (RPM)		1800
Superheat K		5
Average Air Off Speed m/s		
Average Air On Speed m/s		

** Set up data for guidance only. Final settings to be determined by commissioning personnel

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