

Cabinet Type **Multideck Full Height Chilled Air**

Model Designation **RFA**

File Reference **RFA-DX HFC-2200**

Document Issue 1 17/03/2021 IP PROVISIONAL ISSUE

cabinet **TECHNICAL DATA**



Cabinet Type	Multideck Full Height Chilled Air
Model Designation	RFA
File Reference	RFA-DX HFC-2200

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		6.88	4.58				
Evaporating Temperature [°C]		-5	-5				
Nett Environment Cooling Effect [kW]		1.62	1.08				
T2 Orifice Size	R407A	4	3				
T2 Orifice Size	R449A	4	3				
T2 Orifice Size	R404A	5	5				
AKVP Orifice Size	R407A	6	6				
AKV Orifice Size	R449A	6	5				
AKV Orifice Size	R404A	7	6				

Case Length [m]	3.75	2.50					
Evaporator Refrigerant Volume [Ltr]							
Evaporator Liq Cap @ 25% R404A [kg]*		11.54	7.49				
Evaporator Liq Cap @ 100% R404A [kg]*		46.16	29.96				
Liquid Side Pressure Rating Bar Gauge		24.8		Suction Side Pressure Rating		24.8	
Refrigeration Pipe Tail – Suction		7/8"		Refrigeration Pipe Tail– Liquid		3/8"	

* Apply density adjustment factor for different refrigerants

Case Length [m]	3.75	2.50	0.00	0.00	0.00	0.00	0.00
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		2		Angle Options (Typical as Standard)		Angled + Crates	

[Return to Contents](#)



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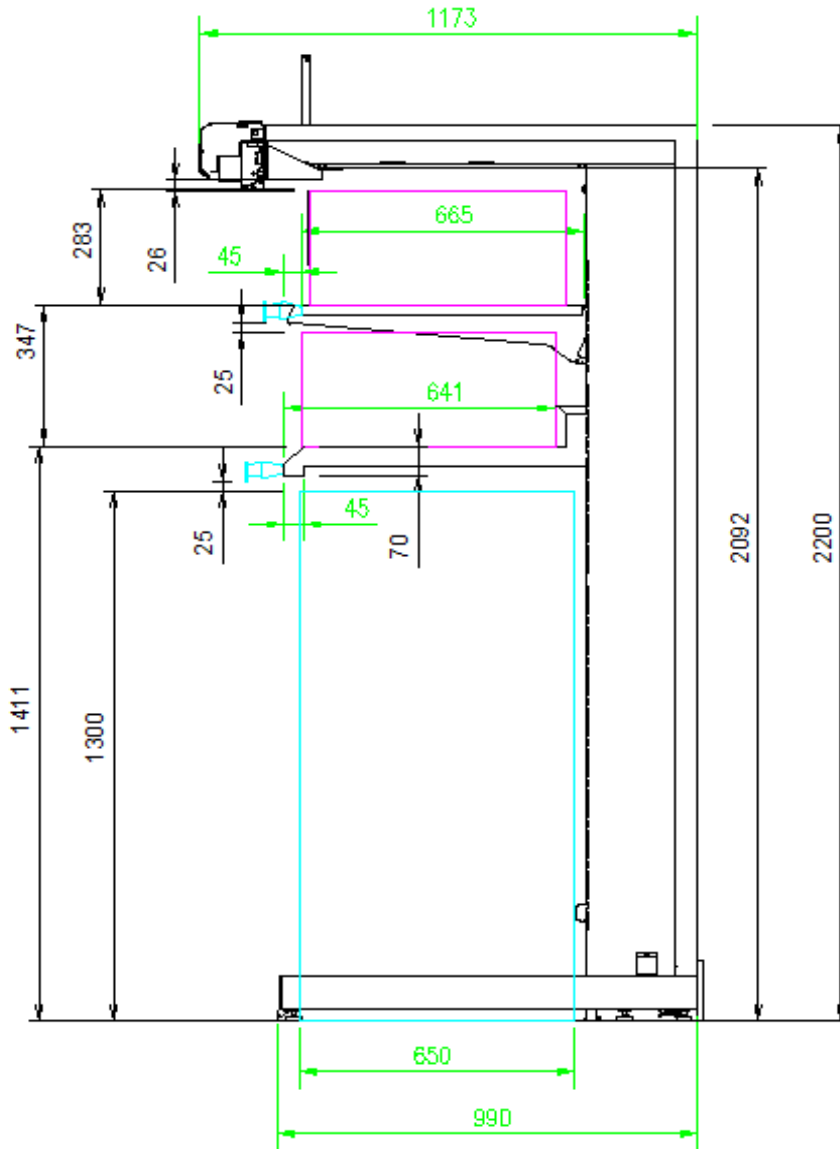
Case Length [m]	3.75	2.50					
Electrical Data (@ 230V 50Hz)	Watts	Watts					
Lights Canopy/Frame	55.2	36.8					
Fans	172.5	115					
Controller + Sol/Liq	25.3	25.3					
Defrost	0	0					
Trims Frame	0	0					
Trims Other	0	0					
Plinth/Ambient Fans	0	0					
Maximum Load – Off Cycle Defrost	253	177.1					

Electrical Data (@ 230V 50Hz)	Amps	Amps	Amps	Amps	Amps	Amps	Amps
Lights Canopy/Frame	0.24	0.16					
Fans	0.75	0.50					
Controller + Sol/Liq	0.11	0.11					
Defrost	0.00	0.00					
Trims Frame	0.00	0.00					
Trims Other	0.00	0.00					
Plinth/Ambient Fans	0.00	0.00					
Maximum Load – Off Cycle Defrost	1.10	0.77					

Energy Data	All M-packs between +5°C to -1°C (M1)						
Case Length [m]	3.75	2.50	0.00	0.00	0.00	0.00	0.00
DEC	5.72	3.81					
REC	82.70	55.10					
TEC	88.42	58.91					
TDA	7.65	5.10					
TEC/TDA	11.55	11.55					
EI Rating %	112.28%	106.09%					
ECO Design Rating	G	G					

[Return to Contents](#)

Section Drawing RFA-DX HFC-2200



[Return to Contents](#)

