

Cabinet Type **Multi deck Full Height**

Model Designation **EM**

File Reference **EM-WC HC-2090**

Document Issue	1	02/04/2021	IP	Provisional Data
	2	09/04/2021	NM	Electrical data updated, including minimum fuse size
	3	17/09/2021	IP	General update

cabinet **TECHNICAL DATA**



RETAIL EQUIPMENT LTD

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Contents

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

Carter Retail Equipment Contacts

Web Site:- www.cre-ltd.co.uk

Online Document https://www.cre-ltd.co.uk/em_hc_wc_2090/

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Product Type Dairy 3M2
Product Temperature +7/-1
Maximum Design Ambient ISO 3 25°C / 60% RH

Case Length [m]	3.75	2.50					
Electrical Data (@ 230V 50Hz)	Watts	Watts					
Condensing Unit (Emerson Inverter)	4200	2700					
Lights Canopy/Frame	60	40					
Fans	60	40					
Controller + Sol/Liq	10	10					
Condenser Fans	18	18					
Maximum Load – Off Cycle Defrost	4348	2808					

Electrical Data (@ 230V 50Hz)	Amps	Amps					
Condensing Unit	18.26	11.74					
Lights Canopy/Frame	0.26	0.17					
Fans	0.26	0.17					
Controller + Sol/Liq	0.04	0.04					
Condenser Fans	0.08	0.08					
Maximum Load Off Cycle Defrost	18.90	12.21					

Min Supply Fuse Size	32A	25A					

Energy Data*							
Case Length [m]	3.75	2.50					
DEC	26.60	18.18					
HREC**	1.10	0.70					
TEC	27.70	18.88					
TDA	6.88	4.59					
Annual Energy	10110	6891					
TEC/TDA	4.03	4.12					
EEI Rating %	35%	34%					
ECO Design Rating	C	C					

*Energy data base on 30/36 °C with 40% Glycol Mix. @ 3M2

**HREC calculated using proposed ISO 23953 calculations

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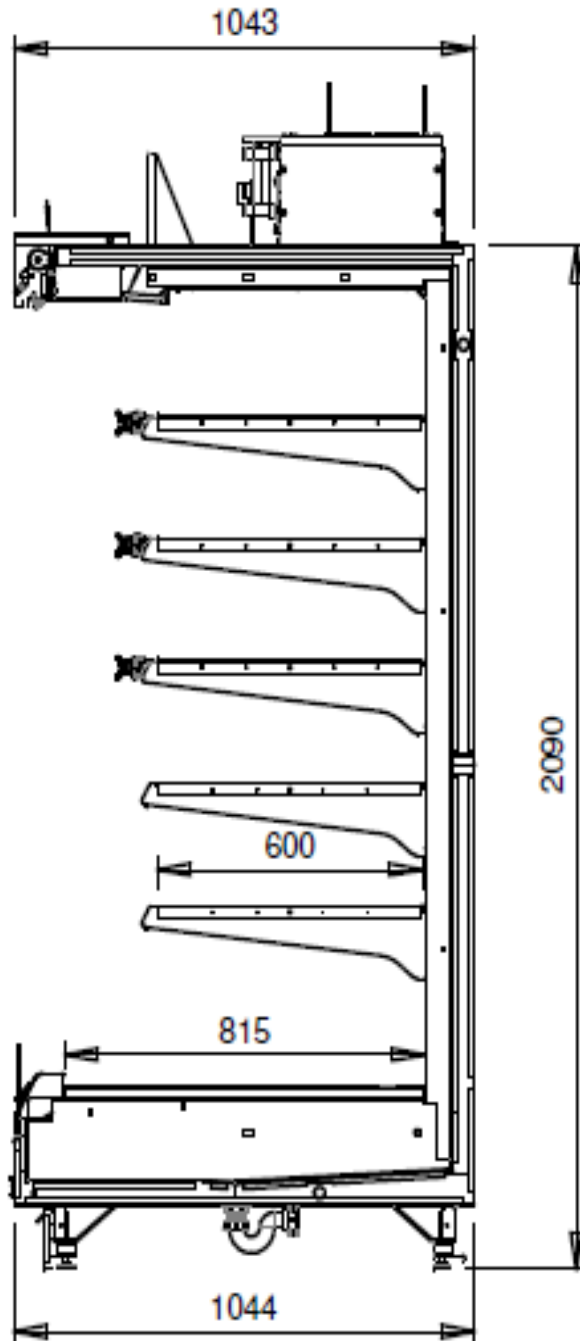
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Section Drawing

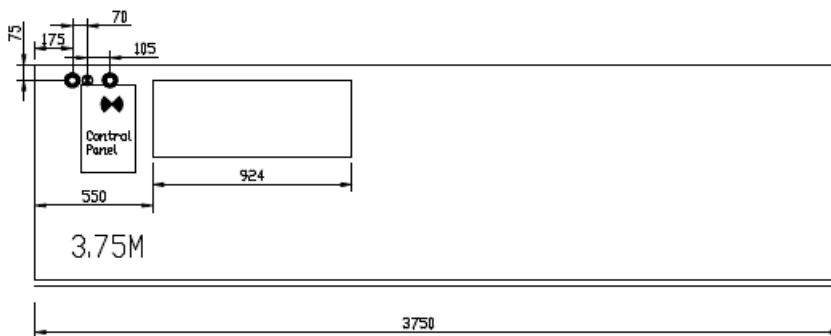
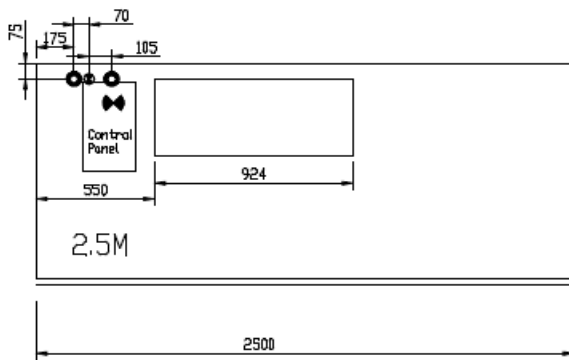
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Plan Drawing-Top

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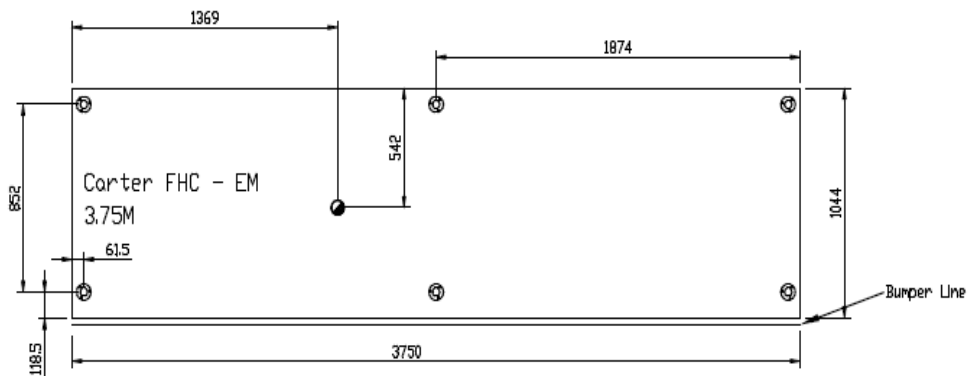
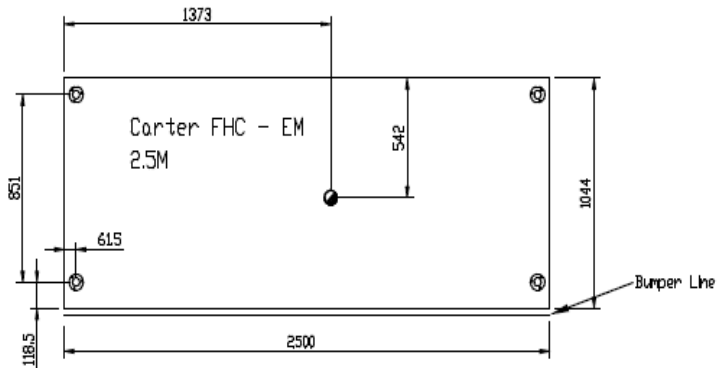
Key

- ⊙ Refrig Outlet
- ⚡ Mains Supply
- ⊙ Foot Position
- Drain Outlet
- ⊗ Electrical Outlet

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Plan Drawing- Base

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Key

- ⊙ Refrig Outlet
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Set Up Data**	Meat	Dairy
Control Temperature Day	2.5	3.5
Control Temperature Night	1.5	3
Cabinet Temp ratio	40	40
No Defrost in 24hrs	6	6
Max Defrost Duration (Mins)	45	45
Defrost Termination Temp C (Case Air Off)	7	7
Drain Down Time (Mins)	1	1
Fans in Refrigeration (RPM)	2.5M = 1300 / 3.75M = 1400	2.5M = 1300 / 3.75M = 1400
Fans in Defrost (RPM)	2.5M = 1300 / 3.75M = 1400	2.5M = 1300 / 3.75M = 1400
Integral Control	Inverter	Inverter

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

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