



RETAIL EQUIPMENT LTD

Cabinet Type **Multideck Low Height**

Model Designation **NC8**

File Reference 1156

Document Issue	1	10-08-10	LRC	First Issue
		04-09-10	NM	Commissioning Data Updated

cabinet TECHNICAL DATA

Cabinet Technical Data Sheet – NC8

Product Type	Meat 3M0
Product Temperature	-1 /+4 °C
Maximum Design Ambient	25°C @ 60% RH

Case Length [m]	2.5	2.18	1.87	1.25
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Refrigeration Data

Nett Cooling Effect Kw Water Cooled	1.50	1.50	0.37	0.00
Nett Cooling Effect Kw Air Cooled	-2.45	-2.45	-1.83	-1.37
Refrigerant Charge Per System R1270	1300g	1300g	1100g	650g

Electrical Data (@ 230V 50Hz)

	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps
Fans (EC EBM)	28	0.12	28	0.12	21	0.09	14	0.06
Controller	10	0.04	10	0.04	10	0.04	10	0.04
Lights	76	0.33	66	0.29	54	0.23	38	0.17
Condensing unit	1585	6.9	1585	6.9	1105	4.8	944	4.1
Maximum Load – Off Cycle Defrost	1699	7.39	1689	7.35	1190	5.16	1006	4.37

Miscellaneous Data Water Cooled 30°C Condensing

Total Heat Rejection THR [KW]	3.633	3.633	2.6992	1.912
THR (Water) [KW]	2.883	2.883	1.9492	1.162
THR (Air) [KW]	0.75	0.75	0.75	0.75
Plate Heat Exchanger [Kpa] each	1 @ 0.86	1 @ 0.86	1 @ 0.86	1 @ 0.86
Water inlet temperature			18°C	
Water outlet temperature			24°C	
Compressor Electrical Input Kw	1.233	1.233	0.904	0.712
Glycol Flow Rate [Kg/S]**	0.172	0.172	0.119	0.074
Water Flow Rate [Kg/S]**	0.158	0.158	0.110	0.068

Miscellaneous Data Air Cooled 45 °C Condensing

Total Heat Rejection THR [KW]	3.95	3.95	2.9512	2.123
THR (Water) [KW]	0	0	0	0
THR (Air) [KW]	3.95	3.95	2.9512	2.123
Compressor Electrical Input Kw	1.55	1.55	1.156	0.923

Drain Outlet	32mm Plastic
Electrical Connections	Bottom LHS
Chilled Water Connections	22mm

Set-Up Data** O/C Defrost	Meat
Cut in Temperature [°C]	2
Differential [K]	2
Anti Cycle Time (Seconds)	180
Lag Comp Delay (Seconds)	0
Cabinet Temperature Ratio (%)	50
N° Defrosts (per 24hrs)	8
Maximum Defrost Time [mins]	45
Defrost Termination Temp (air off) [°C]	8
Drain Down Time [mins]	1.30
Air to Water Change Over	45
Differential	5
Fans in Defrost	On
Integral Control	Basic

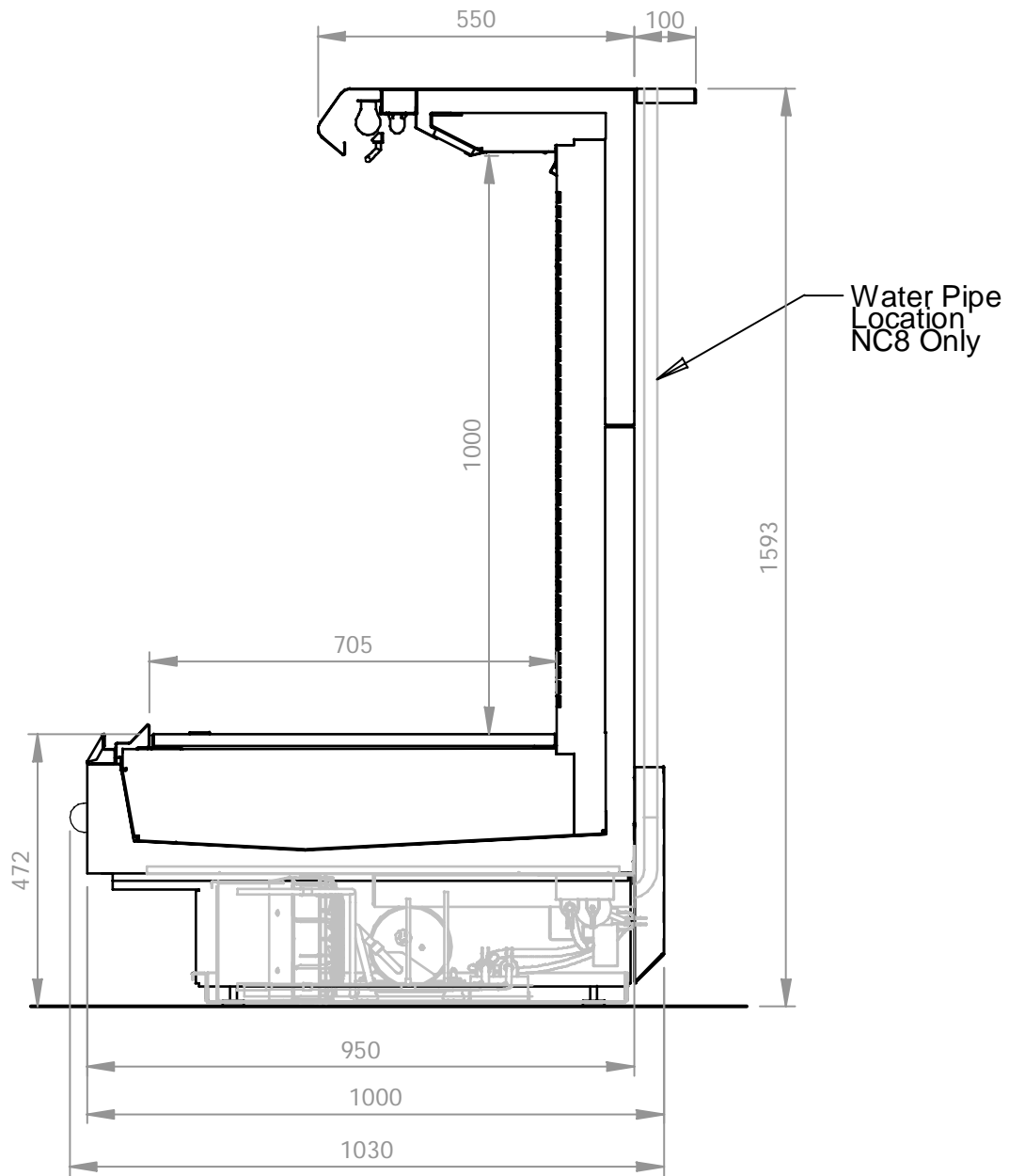
*NOTES! * 12/12 Trading Conditions*

** Set-up data is for guidance only. Final settings to be determined by commissioning contractor.

*** Flow rate for Glycol based on 30% @ 20°C from ASHRAE = 3.848 KJ/(KG-K)

**** Flow rate for water @ 20°C (http://www.engineeringtoolbox.com/water-thermal-properties-d_162.html)

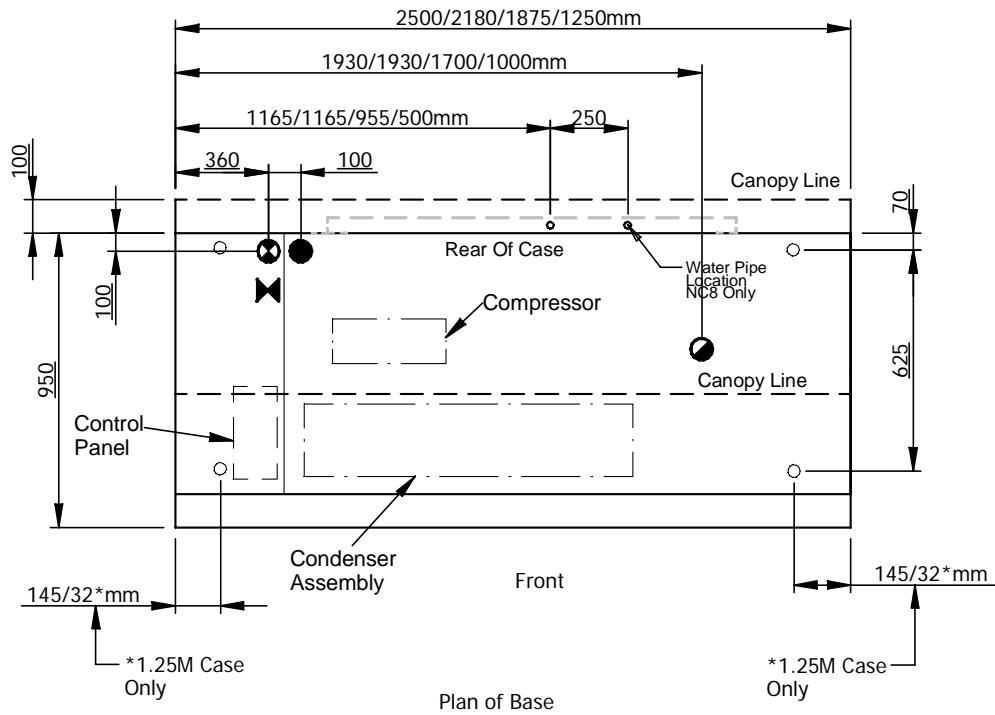
Section Drawing –



Ref: - DS1156-01

Plan Drawing –

- KEY
- Feet Positions
 - Refrig. Outlet
 - ◐ Drain Outlet
 - ⊗ Elect. Outlet
 - ⊕ Mains Supply



Ref:- DP1156-01

