



RETAIL EQUIPMENT LTD

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

Model Designation **RF4**

File Reference 1199

Document Issue	1	10-02-12	LRC	First Issue
	2	16-05-12	LRC	R404A Data added
	3	30-04-13	LRC	Updated R744 Evaporator charges

cabinet **TECHNICAL DATA**

Cabinet Technical Data Sheet – RF4 Milk & Juice

Product Type	Milk & Juice / 3M1
Product Temperature	-1 / +5°C
Maximum Design Ambient	25°C @ 60RH

Case Length [m]	3.75	2.50
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Refrigeration Data

Refrigeration Duty (per 24hrs) [kW] ISO3	7.70	5.13
Evaporating Temperature [°C]	-4	-4
Nett Environment Cooling Effect [kW]	4.62	3.08
R744 AKV Expansion Valve Size	10-6	10-5
Evaporator Liquid Capacity @ 25% R744 [kg]	4.78	3.21
Evaporator Liquid Capacity @ 90% R744 [kg]	17.54	11.54
Refrigeration Pipe Tail – Liquid	3/8"	3/8"
Refrigeration Pipe Tail – Suction	1/2"	1/2"

Electrical Data (@ 230V 50Hz)

	Watts	Amps	Watts	Amps
Fans (EC EBM)	63	0.27	42	0.18
Solenoid Valve / Contoller	10	0.04	10	0.04
Lights	78	0.34	52	0.23
Maximum Load – Off Cycle Defrost	145	0.65	104	0.45

Miscellaneous Data

Refrigeration Connections	Top of Cabinet LHS
Electrical Connection	Top of Cabinet LHS

Set-Up Data** O/C Defrost

Cut in Temperature [°C]	1
Differential [K]	0.5
N° Defrosts (per 24hrs)	8
Maximum Defrost Time [mins]	40
Defrost Termination Temp (air off) [°C]	9
Drain Down Time [mins]	1
Fans in Defrost	On
Cabinet Temperature Ratio (%)	66
Superheat [K]	4

NOTES!

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

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Refrigeration Data

Refrigeration Duty (per 24hrs) [kW] ISO3	7.70	5.13
Evaporating Temperature [°C]	-7	-7
Nett Environment Cooling Effect [kW]	4.62	3.08
R404A AKV Expansion Valve Size	10-6	10-5
R404A TEV Expansion Valve Size	4	3
Evaporator Liquid Capacity @ 25% R404A [kg]	4.5	3.0
Refrigeration Pipe Tail – Liquid	3/8"	3/8"
Refrigeration Pipe Tail – Suction	7/8"	7/8"

Electrical Data (@ 230V 50Hz)

	Watts	Amps	Watts	Amps
Fans (EC EBM)	63	0.27	42	0.18
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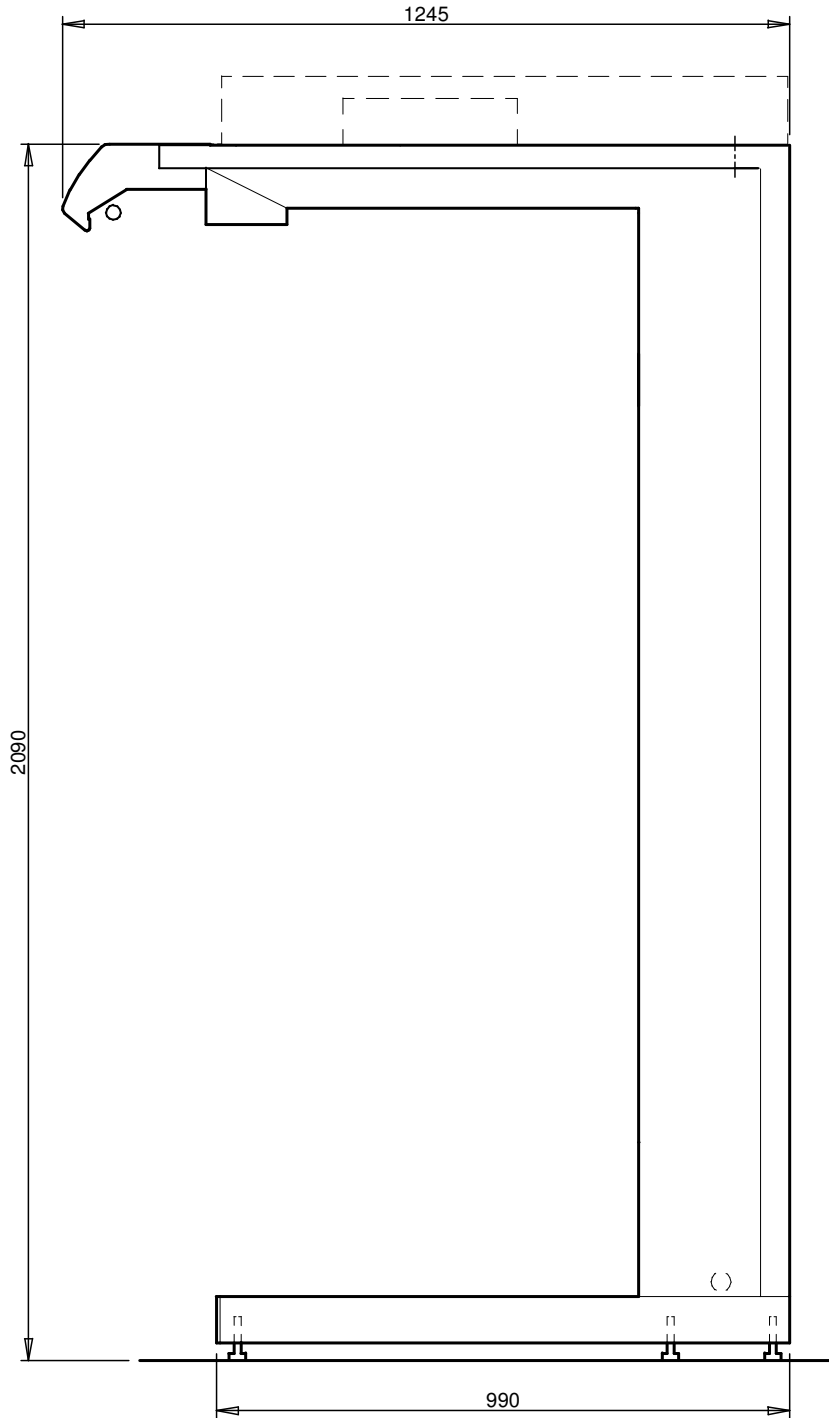
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Fans in Defrost	On
Cabinet Temperature Ratio (%)	66
Superheat [K]	4

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Section Drawing – RF4



Ref:- DS1081-1

