



MARYLAND - MLR

MLR: MARYLAND REMOTE COMPRESSOR

COMMERCIAL LINE — DISPLAY CASES



MULTI-DECK

Features & Benefits:

- Luxurious look with grand capacity and large display.
- Double Air Curtain provides lower temperatures by reducing cold air loss and also saves up to 12% energy.
- Durable Galvanneal Steel Structure with powder coating for additional protection. (Choose any RAL color. Outside and inside can be coated different color at no additional cost.)
- Different temperature ranges can be set according to application: +8°C to -2°C.
- Easy Maintenance; reduce labor time and costs with easy access under the Display Case.
- Attractive Bumper system for protection.
- End-Cap with glass available for extended product display.



END-CAP AVAILABLE



CHOICE OF RAL COLOR



VARIETY OF APPLICATIONS



Standard Options:

- Available Heights: **M** (Medium–2030mm), **L** (Large–2180mm).
- Lengths: **18** (1875mm), **22** (2200mm), **25** (2500mm), **37** (3750mm) can be joined together to meet layout requirements.
- Depths: **I** (Intermediate – 975mm), **W** (Wide – 1120mm).
- Merchandising Flexibility with adjustable shelf heights and angles. Up to 5 (4 shelves plus lower deck) for **M** (Medium – 2030mm) or up to 6 (5 shelves plus lower deck) for **L** (Large – 2180mm).
- Three Front Edge Heights: **LG**: Low w/Edge Glass (350mm+120mm), **HF**: High (450mm), **HG**: High w/Edge Glass (450mm+120mm).
- Lighting: T8 Fluorescent electronic ballasts do not flicker. Canopy and shelving are controlled separately which is convenient when using Motion Activated Lighting “MAL” option.
- Hidden, retractable Night Curtain saves additional energy.
- Clear plastic Shelf-Stops (20mm) keep attractive display and hold price-tags.
- End Wall Panels available: Polyurethane, Polyurethane w/mirror inside or Polyurethane w/heat reflecting glass.
- Timed-Off Defrost delivers lower energy consumption and operation costs.**
- Thermostatic Expansion Valve with Balanced Port for better control of superheat (Danfoss or Sporlan Brand).
- Fan Motor; EBM brand, AC type (Standard Efficiency).
- High efficiency coil design with corrugated aluminum fins and variable spacing augment efficiency and allow for more frost build-up before Defrosting becomes necessary.
- Controllers: Carel brand standard.

Additional Options:

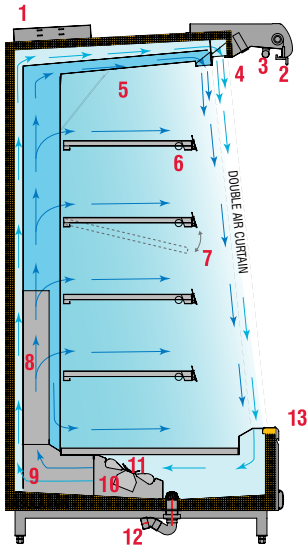
- Lighting: Warm Fluorescent (recommended for meat application) or White LED.
- “MAL” Motion Activated Lighting on Shelves.
- Automatic Night Curtain.
- Angled Top Mirror.
- Lower Deck Dividers: Powder Coated Steel Wire or Organic Glass.
- Defrost: Electric or Hot Gas.**
- **EV2** electronic Expansion Valve saves up to 10% energy. (Carel brand)*
- Fan Motor: EBM brand, EC type (High Efficiency) **GreenTech** technology can reduce the fan power consumption up to 70%.
- Controllers: Various Carel or other brand options available.

**For specific control type. Contact us for more details.*

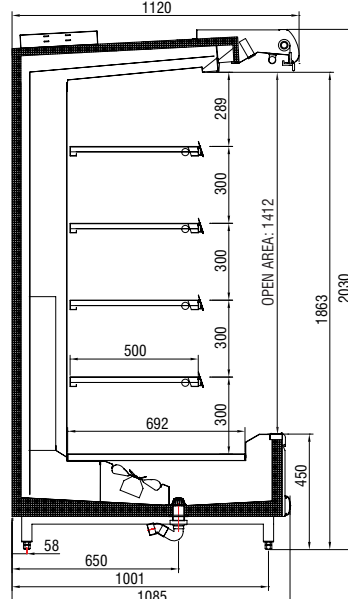
***Meat/Fresh Fish application requires HG (High Front w/Edge Glass) and Electric or Hot Gas defrost.*

Refer to our technical guide for specific information.

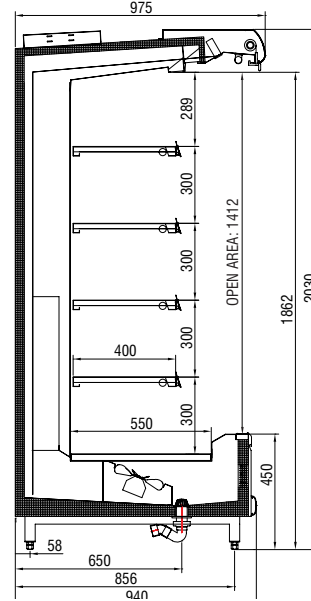
M: MEDIUM HEIGHT (2030mm)



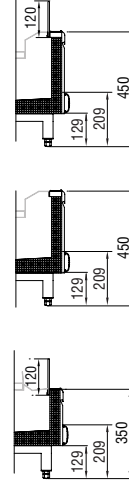
Depth – W: Wide



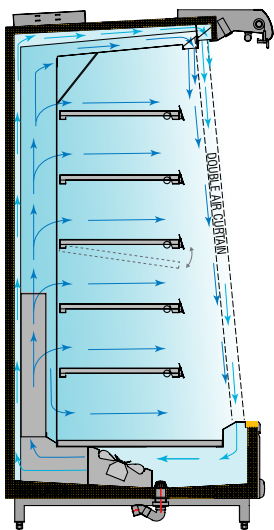
Depth – I: Intermediate



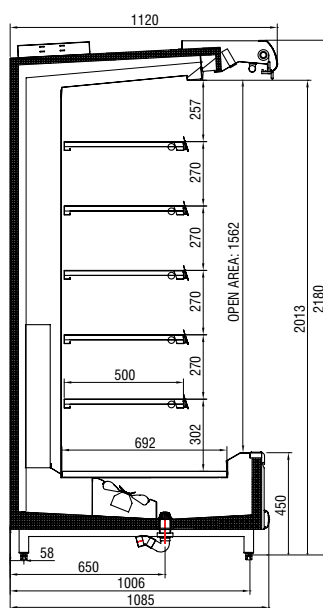
13 FRONT EDGE HEIGHT OPTIONS



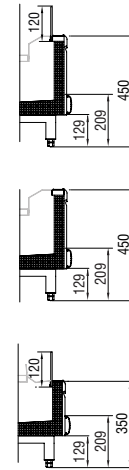
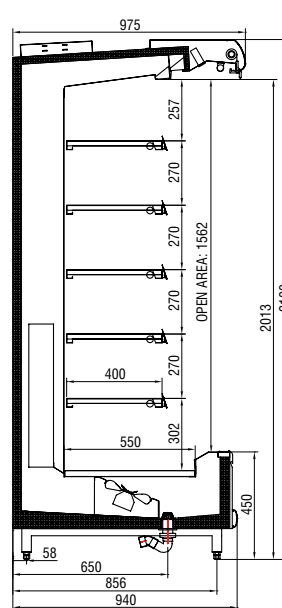
L: LARGE HEIGHT (2180mm)



Depth – W: Wide



Depth – I: Intermediate



- 1. Electrical Box
- 2. Night Curtain
- 3. Canopy Light
- 4. Double Air Curtain
- 5. Angled Top Mirror
- 6. Shelf Light
- 7. Adjustable Shelf
- 8. Double Air Duct
- 9. Coil
- 10. Plenum
- 11. Fan Motor
- 12. Drain
- 13. Front Edge Height Options

CAPACITIES ACCORDING TO AHRI 1200 STANDARD GUIDELINES							
LENGTH		18 (1875mm)	22 (2200mm)	25 (2500mm)	37 (3750mm)	Ae W: Wide	Ae I: Intermediate
MEDIUM HEIGHT: W (Wide) w/LG (Low Front w/glass)							
DA: (Display Area)*	(m ²)	2.65	3.11	3.53	5.30	0.86	0.67
RV: (Refrigerated Volume)**	(m ³)	1.699	1.994	2.266	3.399	n/a	
LARGE HEIGHT: W (Wide) w/LG (Low Front w/glass)							
DA: (Display Area)*	(m ²)	3.12	3.66	4.16	6.23	0.96	0.74
RV: (Refrigerated Volume)**	(m ³)	1.867	2.191	2.490	3.734	n/a	

TDA: (Total Display Area) = DA + Ae
 Ae = Projected area from End Wall Panel w/Glass

*For Medium: HF (High Front) / HG (High Front w/glass) x 0.93

*For Large: HF (High Front) / HG (High Front w/glass) x 0.94

**For I (Intermediate) x 0.76



NOMENCLATURE: MULTI-DECK DOUBLE AIR CURTAIN

MARYLAND R M I 18 LG U A 1 44 6 0 C1 0 0 0 BBB

Product Maryland R: Remote Compressor Maryland S: Self Contained	Height M: Medium (2030mm) L: Large (2180mm)		Depth I: Intermediate (975mm) W: Wide (1120mm)		Length 18: (1875mm) 22: (2200mm)* 25: (2500mm)* 37: (3750mm) <i>*Recommended for End-Cap (22 for Intermediate / 25 for Wide)</i>		Front Edge Height <i>*Required for "M" application</i> LG: Low Front w/Glass HF: High Front HG: High Front w/Glass*		Application M: Meat / Fresh Fish U: Beverage / Dairy / Deli / Produce		Defrost <i>*Only for "U" application</i> A: Timed Off* E: Electric G: Hot Gas		Lighting 1: T8 Fluorescent 3: White LED 5: MAL ² Warm Fluorescent ¹ 2: Warm Fluorescent ¹ 4: MAL ² T8 Fluorescent 6: MAL ² White LED		Refrigerant 13: 134A 44: R404A 47: R407A/C 74: CO2 GL: Glycol		Electricity 1: 208-230V / 3PH / 60HZ 4: 220V / 3PH / 50HZ 6: 208-230V / 1PH / 60HZ 7: 220V / 1PH / 50HZ 8: 115V / 1PH / 60HZ 9: "S" Special Voltage		RAL Color: Outside Inside Bumper⁶ W: White 9010 4: Blue 5012 B: Black 9005 5: Green 6018 1: Yellow 1021 6: Gray 7042 2: Orange 2008 7: Gray 9006 3: Red 3002 0: Client Specification	
		Cover 0: Open w/Manual Night Curtain 1: Open w/Automatic Night Curtain		Right End Wall Panel 0: Open ⁴ 1: PU ⁵ 2: PU ⁵ w/Bumper 3: PU ⁵ w/Inside Mirror 4: PU ⁵ w/Inside Mirror+Bumper 5: PU ⁵ w/Glass+Bumper		Left End Wall Panel 0: Open ⁴ 1: PU ⁵ 2: PU ⁵ w/Bumper 3: PU ⁵ w/Inside Mirror 4: PU ⁵ w/Inside Mirror+Bumper 5: PU ⁵ w/Glass+Bumper		Control (Carel brand standard) C1: PJEZY0H00 w/1 C7: MX30M25H00 w/2, 4 C2: IR33C0HB00 w/1, 2 C8: MX30M25H00 w/2, 3, 4 C3: MX30M21H00 w/1 DF: Danfoss (Client Specification) C4: MX30M21H00 w/1, 2 DX: Dixell (Client Specification) C5: MX30M21H00 w/1, 2, 3 SP: Sporlan (Client Specification) 1: TEX, 2: Light Control, 3: ASHSC ³ , 4: EEV		Fan 0: EBM AC (Standard Efficiency) 1: EBM EC (High Efficiency)										

¹ Standard for Meat Application. Gives richer color to Meat/Fish and Deli Meats/Cold Cuts.
² MAL "Motion Activated Lighting" ³ ASHSC "Anti-Sweat Heater Smart Control"
⁴ Open when joining cases. ⁵ PU "Polyurethane" ⁶ Bumper only available in B & 6



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