

Self-Service Open Multi-Deck Octagonal Island Merchandiser

DI-MD-1 SELF-CONTAINED - 404, 505, & 606

System Requirements

Model		Volts	Phase	Total Amps	Minimum Circuit Ampacity	Maximum Overcurrent Protection
DI-MD-1	404	120-1-60	1	22.22	27.775	49.995
	505	120/208-1-60	1	13.77	17.2125	30.9825
	606	120/208-1-60	1	13.77	17.2125	30.9825

Electrical Data

Model		Fans per Case	High Efficiency Fans		Anti-Condensate Fans		Drain Pumps		Evaporator Pan Heaters			Auxiliary Fans	
			120 Volts		120 Volts		120 Volts		Volts	Amps	Watts	120 Volts	
			Amps	Watts	Amps	Watts	Amps	Watts				Amps	Watts
DI-MD-1	404	2	0.6	72	---	---	---	---	120	8.3	996	---	---
	505	2	0.6	72	---	---	---	---	208	4.8	998.4	---	---
	606	2	0.6	72	---	---	---	---	208	4.8	998.4	---	---

Lighting Data

Model		Lights per Row (Cornice)	Lights per Row (Shelf)	Light Length (Cornice) (in)	Light Length (Shelf) (in)	Fluorescent Lighting (Cornice)		Fluorescent Lighting (Shelf)		Clearvoyant LED Lighting (Per Light Row)			
						120 Volts		120 Volts		Standard Power (Cornice)		Standard Power (Shelf)	
						Amps	Watts	Amps	Watts	120 Volts		120 Volts	
						Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
DI-MD-1	404	8	4	10"	10"	0.88	105.6	0.44	52.8	0.2	24	0.1	12
	505	8	4	10"	10"	0.88	105.6	0.44	52.8	0.2	24	0.1	12
	606	8	4	10"	10"	0.88	105.6	0.44	52.8	0.2	24	0.1	12

Lighting Data (Continued)

Model		Lights per Row (Cornice)	Lights per Row (Shelf)	Light Length (Cornice) (in)	Light Length (Shelf) (in)	Clearvoyant LED Lighting (Per Light Row)			
						High Power (Cornice)		High Power (Shelf)	
						120 Volts		120 Volts	
						Amps	Watts	Amps	Watts
DI-MD-1	404	8	4	10"	10"	0.2	24	0.1	12
	505	8	4	10"	10"	0.2	24	0.1	12
	606	8	4	10"	10"	0.2	24	0.1	12

Guidelines & Control Settings

Model		24hr Energy Usage (kWh/ft)	Suction Pressure @ Case Outlet (psig)	Superheat Set Point @ Bulb (°F)	Discharge Air (°F)	Discharge Air ² Velocity (FPM)
DI-MD-1	404	30.92	15	10	28	200
	505	31.37	15	10	28	200
	606	31.37	15	10	28	200

Engineered for stores with ambient conditions not to exceed 75° and 55% relative humidity.

Due to engineering improvements specifications may change without notice.

All measurements are taken per ASHRAE - 72 - 2005 specifications.

Numbers are based on standard case sizes. Consult engineering.



DI-MD-1 (Self-Contained)



Condensing Unit Data

Model	Volts	Phase	HP	RLA ³ (amps)	LRA ⁴ (amps)	Refrig.	Condenser Fans		Lbs. of Refrig.	
							Amps	Watts		
DI-MD-1	404	120	1	0.75	10.3	60	404a	1.7	204	2.00
	505	208	1	1	6.2	40	404a	0.85	176.8	2.00
	606	208	1	1.5	6.2	40	404a	0.85	176.8	2.00

Defrost Controls

Model	Defrosts per Day	Run-Off Time (min)	Electric Defrost		Timed-Off Defrost		Hot Gas Defrost	
			Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)	Fail-Safe (min)	Termination Temp (°F)
DI-MD-1	6	---	---	---	20	---	---	---

- 1 NOTE: "---" indicates data not applicable.
- 2 Average discharge air velocity at peak of defrost.
- 3 RLA - Running Load Amps
- 4 LRA - Locked Rotor Amps

SELF-SERVICE
MULTI-DECK

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