

Self-Service Open Single-Deck Mobile Merchandiser

HSO SELF-CONTAINED - 2', 4', 6' & 8'

System Requirements

Model		Volts	Phase	Total Amps ¹	Minimum Circuit Ampacity	Maximum Overcurrent Protection
HSO	2'	120	1	12.47	15.6	28
	4'	120	1	12.69	15.9	29
	6'	120	1	20.02	25.0	45
	8'	120/208	1	15.60	19.4	35

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
HSO	2'	1	0.3	36	---	---	---	---	120	5.0	600	---	---
	4'	2	0.6	72	---	---	---	---	120	5.0	600	---	---
	6'	2	0.6	72	---	---	---	---	120	8.3	1000	---	---
	8'	3	0.9	108	---	---	---	---	208	4.2	1500	---	---

Lighting Data

Model		Lights per Row	Light Length (ft)	Clearvoyant 4 LED Lighting (Per Light Row)			
				Standard Power (Cornice or Shelf)		High Power (Cornice)	
				120 Volts		120 Volts	
				Amps	Watts	Amps	Watts
HSO	2'	1	2	0.03	3.1	0.06	7.8
	4'	1	4	0.05	5.9	0.12	14.9
	6'	2	3	0.08	9.4	0.20	23.8
	8'	2	4	0.10	11.8	0.24	29.8

Guidelines & Control Settings

Model	24hr Energy Usage (kWh/ft)	Suction Temperature @ Case Outlet (°F)	Superheat Set Point @ Bulb (°F)	Discharge Air (°F)	Discharge Air ³ Velocity (FPM)
HSO	---	+20	10-12	32-36	220

Condensing Unit Data

Model		Volts	Phase	HP	RLA ⁴ (amps)	LRA ⁵ (amps)	Refrig.	Condenser Fans		Lbs. of Refrig.
								Amps	Watts	
HSO	2'	115	1	1/3	6.5	29.0	404a	0.53	61	1.8
	4'	115	1	1/2	6.3	33.6	404a	1.40	61	2.8
	6'	115	1	3/4	9.0	70.0	404a	1.70	170	3.8
	8'	208	1	1	5.9	40.0	404a	0.95	135	4.5-4.7

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.

Hillphoenix refrigerated display cases for sale in the United States meet or exceed department of energy 2017 efficiency requirements.

Numbers are based on standard case sizes. Consult engineering.



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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)
HSO	2'	4	---	---	---	45	42	---	---
	4'	4	---	---	---	45	42	---	---
	6'	4	---	---	---	45	42	---	---
	8'	4	---	---	---	45	45	---	---

- 1 Includes one row of T-8 cornice lights.
- 2 NOTE: " - - " indicates data not applicable.
- 3 Average discharge air velocity at peak of defrost.
- 4 RLA - Running Load Amps
- 5 LRA - Locked Rotor Amps

SELF-SERVICE
SINGLE-DECK

Bakery / Beverage / Cheese / Deli / Meat / Produce



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