

# Self-Service Open Multi-Deck Merchandiser

## KBC-SS SELF-CONTAINED - 48", 59", 77", 96", & 113"

### System Requirements

Model		Volts	Phase	Total Amps	Minimum Circuit Ampacity	Maximum Overcurrent Protection
KBC-SS	48"	120	1	18.68	25	45
	59"	120	1	22.18	30	50
	77"	120-208	1	13.81	20	35
	96"	120-208	1	14.63	20	35
	113"	120-208	1	18.88	25	45

### 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
KBC-SS	48"	2	0.6	72	---	---	---	---	120	6.6	792	---	---
	59"	2	0.6	72	---	---	---	---	120	8.3	996	---	---
	77"	2	0.6	72	---	---	---	---	208	4.8	998.4	---	---
	96"	3	0.9	108	---	---	---	---	208	4.8	998.4	---	---
	113"	3	0.9	108	---	---	---	---	208	4.8	998.4	---	---

### Lighting Data

Model		Lights per Row	Light Length (ft)	Fluorescent Lighting (Per Light Row)		Clearvoyant LED Lighting (Per Light Row)			
						Standard Power (Cornice or Shelf)		High Power (Cornice)	
				120 Volts		120 Volts		120 Volts	
				Amps	Watts	Amps	Watts	Amps	Watts
KBC-SS	48"	1	4	0.27	32.4	0.12	14.4	0.20	24
	59"	1	5	0.32	38.4	0.1475	17.7	0.25	29.5
	77"	2	3	0.34	40.8	0.1925	23.1	0.32	38.5
	96"	2	4	0.47	56.4	0.24	28.8	0.40	48
	113"	2	4	0.47	56.4	0.2825	33.9	0.47	56.5

### Guidelines & Control Settings

Model	24hr Energy Usage (kWh/ft)	Suction Temperature @ Case Outlet (°F)	Superheat Set Point @ Bulb (°F)	Discharge Air (°F)	Discharge Air <sup>2</sup> Velocity (FPM)
KBC-SS	5.45	20	10	28	200

### Condensing Unit Data

Model		Volts	Phase	HP	RLA <sup>3</sup> (amps)	LRA <sup>4</sup> (amps)	Refrig.	Condenser Fans		Lbs. of Refrig.
								Amps	Watts	
KBC-SS	48"	120	1	0.5	9	51	404a	1.4	168	2.00
	59"	120	1	0.75	10.3	60	404a	1.7	204	2.00
	77"	208	1	1	6.2	40	404a	0.85	176.8	4.00
	96"	208	1	1.5	6.2	40	404a	0.85	176.8	4.00
	113"	208	1	2	9.6	55	404a	1.7	353.6	4.00

Clearvoyant™  
LED SYSTEM

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.



Hilphoenix / Barker  
SPECIALTY PRODUCTS

**KBC-SS**  
**(Self-Contained)**

**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)
KBC-SS	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

Bakery

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**KBC-SS**  
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