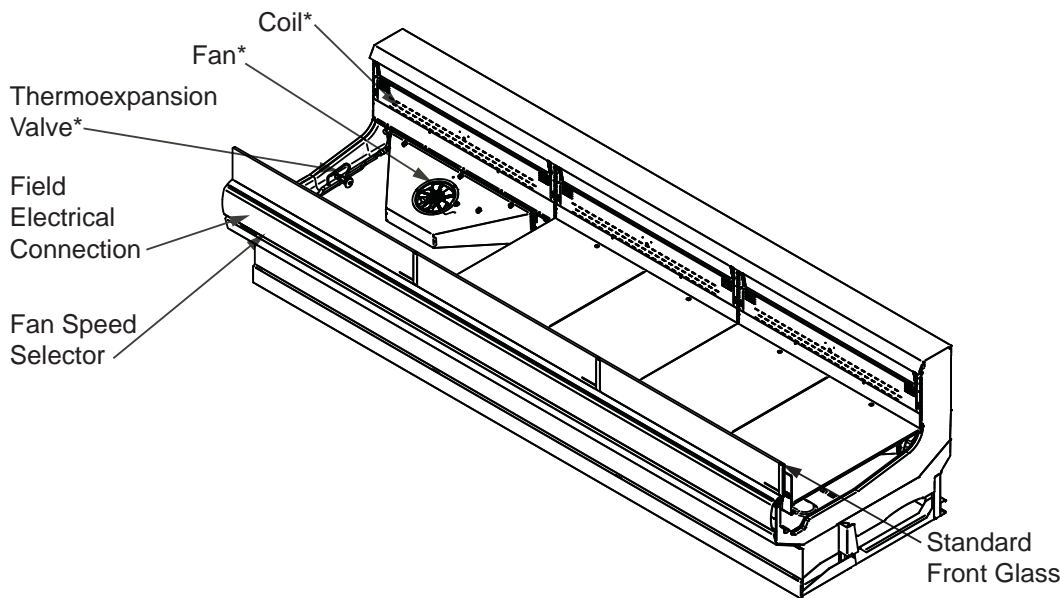


*Insight standard field electrical connections
are at the bottom of the merchandiser*



*Coils, fans and TXVs are modular with one per 3 or 4 foot section.

Portion of parts removed for clarity.

12 foot merchandiser shown.

NSF Certification

This merchandiser model is manufactured to meet NSF/ANSI (National Sanitation Foundation) Standard #7 requirements for construction, materials and cleanability.

Performance Data	Page 2	Electrical Loads	Page 6
Product Data (AHRI Statistics)	Page 2	Replacement Parts List	Page 7
Cross Section	Page 3	Wiring Diagrams	Page 7
Plan View	Page 4	Computing Refrigeration and Electrical Load	Page 8
Estimated Shipping Weights	Page 5	Revision History	Page 8

Data sheet-Insight IC1BL

We reserve the right to change or revise specifications and product design in connection with any feature of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions or replacements for equipment previously sold or shipped.



Insight IC1BL

Meat

Refrigeration Data ¹

IC1BL		Optimal Shelf Life				Energy Comparison
Application		Dairy/Deli/ Beverage/ Produce	Convertible/ Meat	NSF Type 2 Ambient ³	Bulk Produce	AHRI 1200 Rating Point ⁴
Unlit Shelves	Discharge Air °F (°C)	25 (-3.9)	24 (-4.4)	24 (-4.4)	32 (0)	29 (-1.7)
	Average Evaporator °F (°C) ²	21 (-6.1)	19 (-7.2)	19 (-7.2)	28 (-2.2)	24 (-4.4)
	Parallel Btu/hr/ft (Watts/m)	523 (502)	550 (529)	633 (608)	376 (361)	500 (480)
	Conventional Btu/hr/ft (Watts/m)	570 (548)	600 (577)	690 (664)	410 (394)	545 (524)
Lit Shelves	Discharge Air °F (°C)	--	--	--	--	--
	Average Evaporator °F (°C) ²	--	--	--	--	--
	Parallel Btu/hr/ft (Watts/m)	--	--	--	--	--
	Conventional Btu/hr/ft (Watts/m)	--	--	--	--	--
Fan Speed ⁵	IC1BL6 (8.25")	1000 ⁵	1000 ⁵	1000 ⁵	1000 ⁵	1000 ⁵
	IC1BL4, 8, 12 (8.25")	1000 ⁵	1000 ⁵	1000 ⁵	1000 ⁵	1000 ⁵

Notes:

- All data based on store temperature and humidity that does not exceed NSF Type 1 ambient conditions of 75°F and 55% relative humidity except where noted.
- Average evaporator temperature shown. Use dew point for high glide refrigerants for unit sizing. Care should be taken to use the dew point in PT tables for measuring and adjusting superheat. Adjust evaporator pressure as needed to maintain discharge air temperature shown.
- Data for operation in NSF Type 2 ambient of 80°F and 55% relative humidity.
- AHRI 1200 Rating Point for energy consumption comparison only.
- Some lengths and/or applications require fan speed control.

Defrost Data

Frequency (hours between defrost) 4

OFFTIME IC1BL
Time (minutes) 20

ELECTRIC OR GAS Not Available

Defrost Water ⁶ 2.5 lb/ft/day
(3.7 kg/m)

⁶ (± 15% based on case configuration and product loading).

Conventional Controls

IC1BL
**Low Pressure Backup
Control CI/CO** ⁷
18°F / 8°F
-7.78°C / -13.3°C

**Indoor Unit Only,
Pressure Defrost
Termination** ⁷
48°F (8.89°C)

⁷ Use a Temperature Pressure Chart to determine PSIG conversions.

Estimated Charge ⁸

	IC1BL
4 ft	0.5 lb 8 oz 0.2 kg
6 ft	0.8 lb 13 oz 0.4 kg
8 ft	1.1 lb 18 oz 0.5 kg
12 ft	1.9 lb 30 oz 0.9 kg

⁸ This is an average for all refrigerant types. Actual refrigerant charge may vary by approximately half a pound.

Product Data

Gross Refrigerated Volume ⁹ (Cu Ft/Ft) 1.79 ft³/ft (0.17 m³/m)

AHRI Total Display Area ¹⁰ (Sq Ft/Ft) 3.26 ft²/ft (0.99 m²/m)

Shelf Area ¹¹ (Sq Ft/Ft) 2.82 ft²/ft (0.86 m²/m)

⁹ AHRI Gross Refrigerated Volume: Refrigerated Volume/Unit of Length, ft³/ft [m³/m]

¹⁰ Computed using AHRI 1200 standard methodology: Total Display Area, ft² [m²]/Unit of Length, ft [m]

¹¹ Shelf surface area is composed of bottom deck plus standard shelf complement for this model: None.

Insight Single Deck Merchandiser, 1 Display Level,
Bulk Bottom, Low Height Front with Glass



DOE 2017
Energy Efficiency
Compliant

Husmann refrigerated merchandisers configured for sale for use in the United States meet or surpass the requirements of the DOE 2017 energy efficiency standards.

Dimensions shown as in. and (mm).

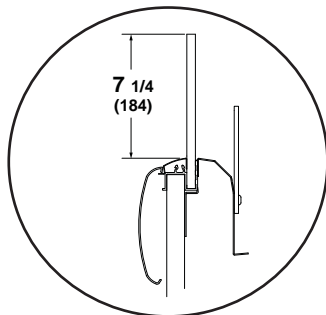
3-in. between back to back cases.

IC1BL

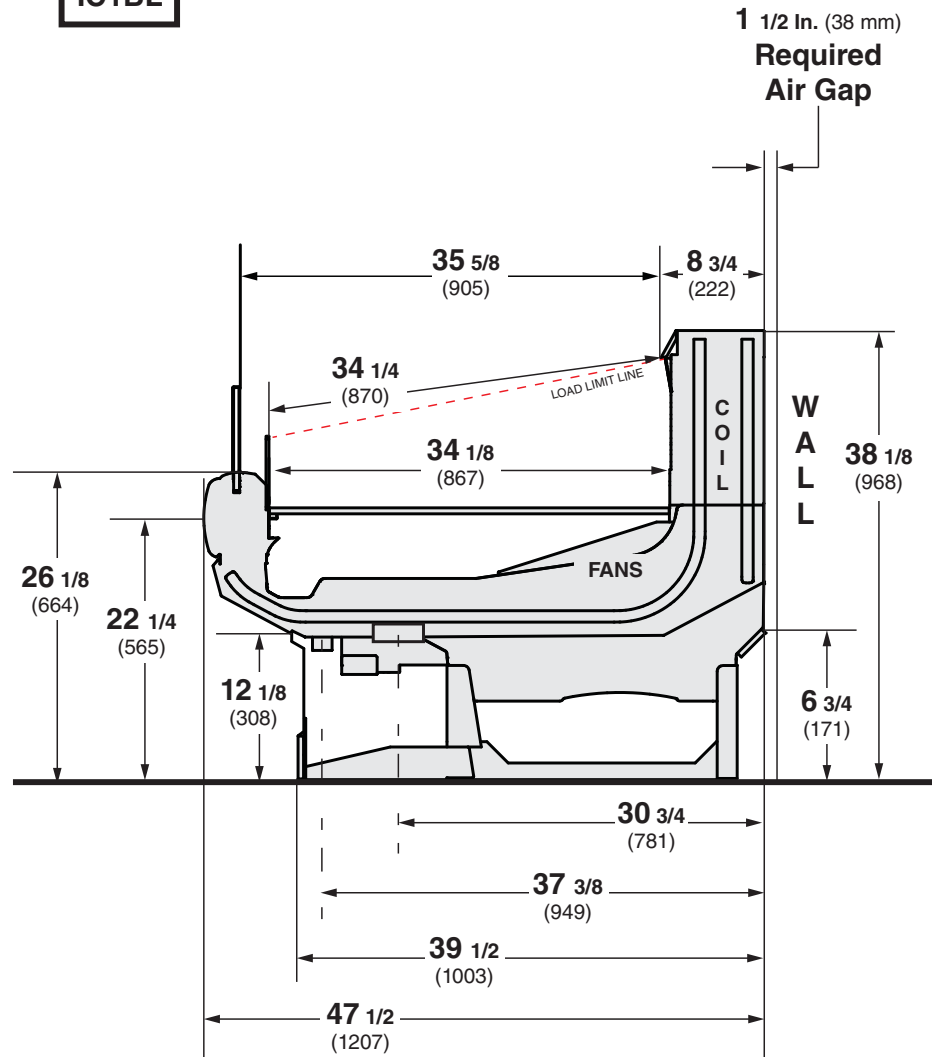
Shelf complement shown as tested:

No shelves; wire racks are angled up in the back, positioned 6-in. above the bottom-most (flat) location.

STANDARD GLASS FRONT



Glass front cannot be used with rail light option



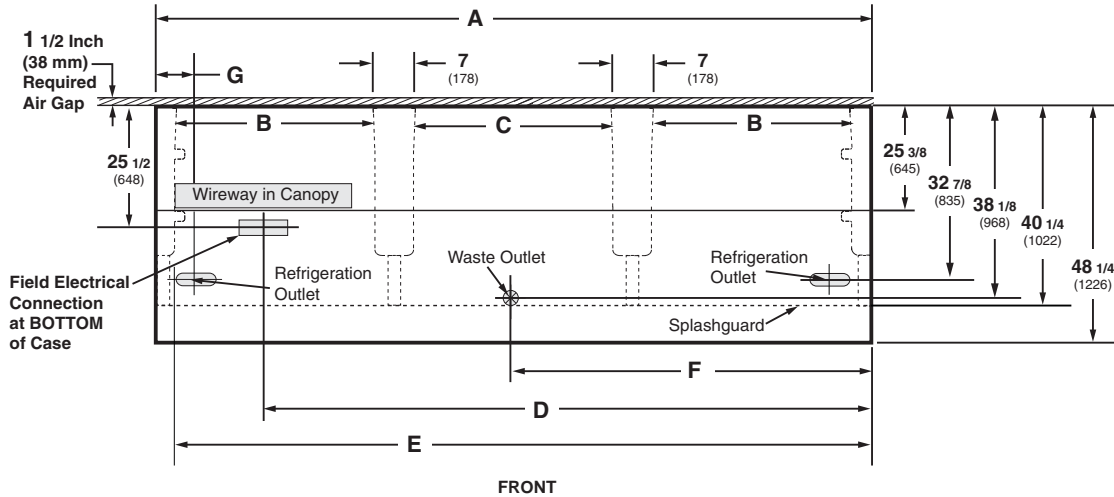
NSF Certification

This merchandiser model is manufactured to meet NSF/ANSI (National Sanitation Foundation) Standard #7 requirements for construction, materials and cleanability.

Engineering Plan View

Dimensions shown as in. and (mm).

IC1BL/IC3BL



(12 Foot Model shown above)

	4 ft	6 ft	8 ft	12 ft
General				
(A) Case Length (without ends or partitions) (Each end and insulated partition adds 1 1/2 in. (38 mm) to case line up.)	48 1/8 (1222)	72 1/4 (1835)	96 1/4 (2445)	144 3/8 (3668)
Maximum O/S dimension of case back to front (includes bumper)	48 3/8 (1229)	48 3/8 (1229)	48 3/8 (1229)	48 3/8 (1229)
Back of case to front of splashguard	40 3/8 (1026)	40 3/8 (1026)	40 3/8 (1026)	40 3/8 (1026)
(B) Distance between edges of external legs and center legs	NA	29 (737)	41 (1041)	41 (1041)
(C) Distance between edges of center legs	41 1/8 (1045)	NA	NA	41 1/8 (1045)
Distance between front legs and splashguard	12 (305)	12 (305)	12 (305)	12 (305)
Electrical Service (Field Electrical Wiring Connection)				
(D) RH End of case to center of Field Electrical Wiring Connection (bottom of case)	12 (305)	12 (305)	12 (305)	12 (305)
Back of case to center of Field Electrical Wiring Connection	31 1/8 (791)	28 1/4 (718)	33 1/2 (851)	33 1/2 (851)
Length of electrical wireway (canopy)	20 (508)	20 (508)	20 (508)	20 (508)
(E) RH end of case to LH end of electrical wireway (canopy)	44 3/4 (1137)	26 1/2 (673)	71 3/4 (1822)	119 3/4 (3042)
Waste Outlets				
(F) RH End of case to the center of waste outlet	24 1/8 (613)	24 1/8 (613)	24 1/8 (613)	72 1/4 (1835)
Back O/S of case to center of waste outlet(s)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)
Schedule 40 PVC drip pipe	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)
Refrigeration Outlet				
(G) Back of case to center of refrigeration outlet	32 7/8 (835)	32 7/8 (835)	32 7/8 (835)	32 7/8 (835)
End of case to center of refrigeration outlet	8 1/2 (216)	8 1/2 (216)	8 1/2 (216)	8 1/2 (216)

ENDS or PARTITIONS
Each standard end and each insulated partition adds 1 1/2 in. (38 mm) to case line up. Optional view end with end bumper adds 3 3/4 in. (95 mm).

PHYSICAL DATA	
Merchandiser Drip Pipe (in.)	1 1/4
Schedule 40 PVC	
Merchandiser Liquid Line (in.)	3/8
Merchandiser Suction Line (in.)	5/8

ESTIMATED SHIPPING WEIGHT †					
Case	4 ft	6 ft	8 ft	12 ft	Solid End (each)
lb (kg)	500 (227)	575 (261)	625 (284)	750 (340)	40 (18)

† Actual weights will vary according to optional kits included.

Insight IC1BL Dairy / Deli / Meat

Electrical Data

Number of Fans	4 ft	6 ft	8 ft	12 ft
8.25 in.	1	2	2	3

Evaporator Fan	Amperes				Watts			
	4 ft	6 ft	8 ft	12 ft	4 ft	6 ft	8 ft	12 ft
120V 60Hz Energy Efficient	0.12	0.24	0.24	0.36	8	16	16	24
230V 50/60Hz Energy Efficient	0.06	0.12	0.12	0.18	8	16	16	24

Minimum Circuit Ampacity				
120V 60Hz Energy Efficient	0.32	0.44	0.44	0.56
230V 50/60Hz Energy Efficient	0.26	0.32	0.32	0.38

Maximum Over Current Protection 120V	20	20	20	20
Maximum Over Current Protection 230V	15	15	15	15

ONLY LIGHTING CONFIGURATIONS THAT ARE COMPLIANT WITH THE U.S. DEPT. OF ENERGY (DOE) 2017 REGULATION ARE AVAILABLE FOR SALE FOR USE IN THE U.S.A.

STANDARD LIGHTING

None

OPTIONAL LIGHTING

None

SHELF OPTIONS

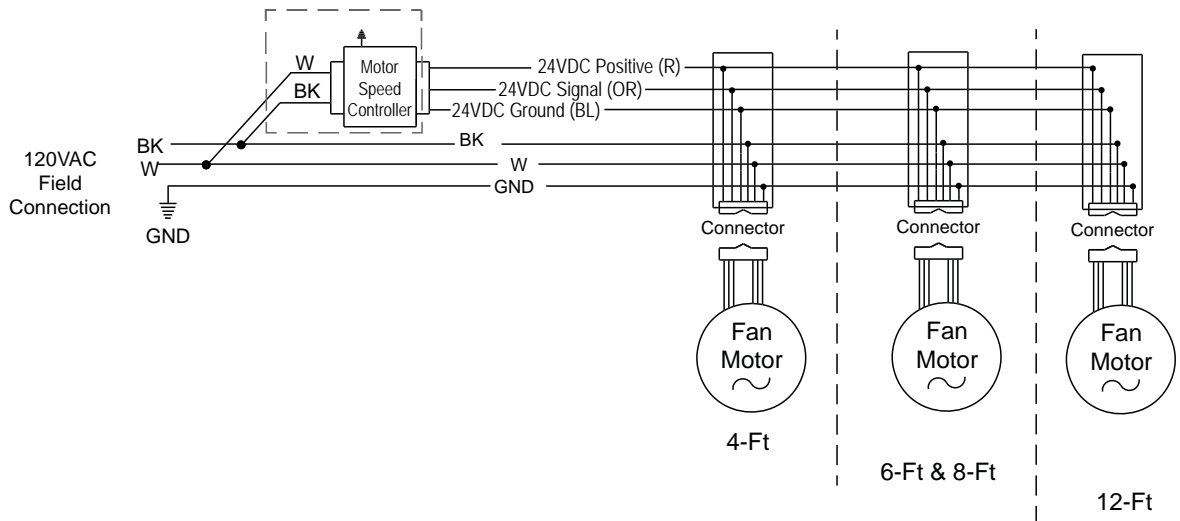
None

Replacement Parts List

Part #	Description	Part #	Description
FAN ASSEMBLIES		HONEYCOMB - WHITE	
4 Ft, 6 Ft, 8 Ft & 12 Ft		0536583	4 ft, 8 ft, 12 ft
Standard HE Fan Assembly		0536582	6 ft only
0535563	8.25-in. Fan Blade Assembly	OTHER	
THERMOSTATS		0534351	Fan Speed Key 1000 RPM
Optional		0534013	Fan Speed Selector (Standard on IC1BL)
COILS		Varies	Thermo-expansion Valve
0534327	4 ft, 8 ft, 12 ft		
0534326	6 ft Only		

FOR ADDITIONAL PARTS INFORMATION, VISIT
[HTTP://WWW.HUSSMANN.COM/EN/PAGES/AFTERMARKET-PARTS.ASPX](http://www.hussmann.com/en/PAGES/AFTERMARKET-PARTS.ASPX)

Fan Wiring Offtime Defrost



Estimating Refrigeration and Electrical Load (for comparison purposes only)

Case Btu

To determine Btu for a case, refer to the performance data chart on page 2. Select with or without front glass, then select the type of remote refrigeration system (parallel or conventional), which will give Btu/hr/ft. Multiply this number by the length of the case to determine Btu per hour. Add 10 BTU per foot per hour for each row of LED shelf or rail lights.

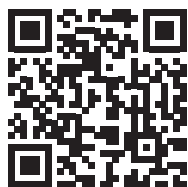
Case Electrical

Refer to store legend to determine number of circuits.

Fan electrical load for a case is computed by selecting the case length and fan voltage on page 6. For example, a 12 ft case uses 3 fans. The store legend specifies fans on a 230V circuit. In this instance, fans use 0.18 Amps and the MCA is 0.38. When applied, ambient fans, anti-sweat heaters, controllers, etc. must be included in the MCA. Include lights in the MCA if lights are on same circuit.

Line Sizing — Refer to store legend.

Hussmann Line Sizing Charts are engineered for use with Hussmann refrigeration equipment.



Scan QR code to
access product
information on your
mobile device.

Revision History

Revision A: March 2017: Original Issue

Revision B: April 2017: Removed LED fixtures on page 6 and 7.

Revision C: September 2017. Updated notes page. Other changes marked with a bar, circle or underline.