6NDMLH-NRG

GENERAL NOTES:

- "- - -" indicates that the feature is not available for this case model and/or the data is not available yet.
- LED lights only.
- Maximum of 6 rows of standard output LED shelves.

SHIPPING WEIGHT	
Case	Weight
6NDMLH-NRG	---

2017 DOE COMPLIANT

NSF.

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COMPONENT

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 REQUIREMENTS.

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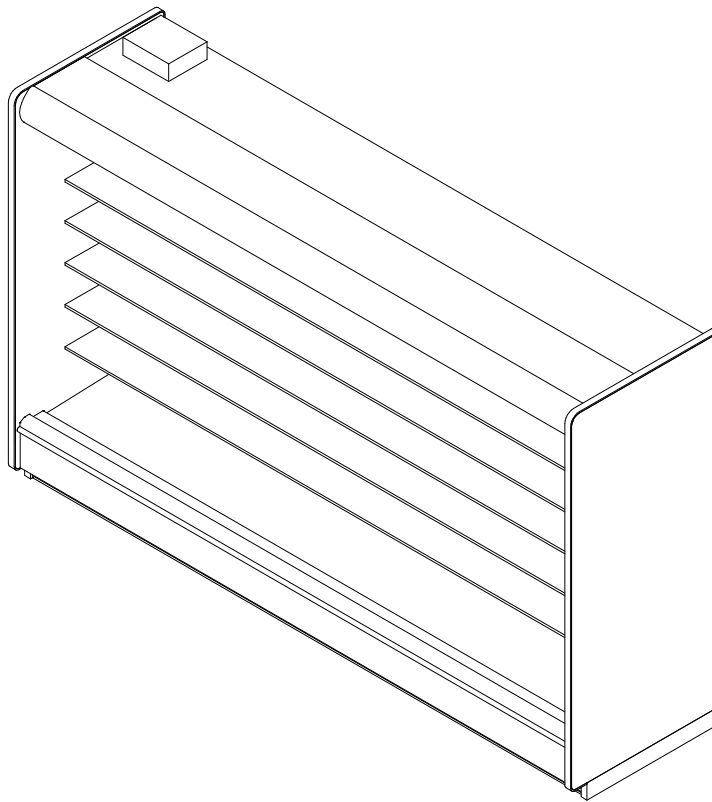| Rev. Date	Rev. #	Rev. Title
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6NDMLH-NRG

Narrow Multi-Deck Merchandiser with Synerg-E™
4', 6', 8' & 12' (Beverage / Dairy / Deli / Produce)

ELECTRICAL DATA

Case Length	Fans Per Case	High Efficiency Fans 120 Volt	
		Amps	Watts
4'	2	0.38	43.0
6'	3	0.57	65.0
8'	3	0.57	65.0
12'	4	0.76	87.0

LIGHTING DATA

Case Length	Lights per row	Clearvoyant v4 LED Lighting (Per Light Row)			
		Standard Power (Cornice or Shelf) 120 Volts		High Power (Cornice Only) 120 Volts	
		Amps	Watts	Amps	Watts
4'	1	0.05	5.9	0.12	14.9
6'	2	0.08	9.4	0.20	23.8
8'	2	0.10	11.8	0.25	29.9
12'	3	0.15	17.6	0.37	44.8

GUIDELINES AND CONTROL SETTINGS

Application	Front Sill height	BTUH/ft		Superheat Set Point @ Bulb (°F)	Evaporator (°F)	Discharge Air (°F)	Discharge Air Velocity (FPM)
		Conventional	Parallel				
Dairy/Deli/Cut Produce	Standard	1862	1748	6 - 8	28	31	260
Beverage/Bulk Produce	Standard	1860	1819	6 - 8	34	37	260

DEFROST CONTROLS

Application	Defrosts Per Day	Timed-Off Defrost	
		Fail-Safe (Min)	Termination Temp (F)
Dairy/Deli/Cut Produce	6	40	47
Beverage/Bulk Produce	2	30	47

NOTES:

• "- - -" indicates that the feature is not available for this case model and/or the data is not available yet.

• Listed BTUH/ft data represent unlighted shelves. For LED lighting, add 9 BTUH/ft to determine Total Case Lighting BTUH Load, then divide by the length of the case to obtain a value in BTUH/ft. BTUH load increases by 132 BTUH/ft when aftermarket merchandising accessories are utilized.

• Listed evaporator temperature represents unlighted shelves. For lighted shelves and/or aftermarket merchandising accessories, reduce the listed evaporator temperature by 2°F.

• Conventional Discharge Air Control – Recommended Settings: Cut-In Temp = Discharge Air + 2°F; Cut-Out Temp = Discharge Air - 2°F.

• Listed discharge air velocity represents the average velocity immediately after defrost.

• Temperature and defrost settings listed below are recommended start-up settings. Final operational settings may need to be adjusted for the store conditions in which the case operates.

• The recommended evaporator temperatures may need to be adjusted based on system setup, store conditions, etc. The minimum recommended evaporator temperature is 4°F below the listed evaporator temperature.

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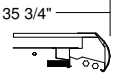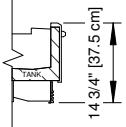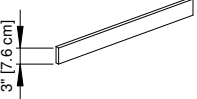
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SECOND NATURE DATA

Case Model	No. of Coils	Application	Front Sill Height	BTUH/FT		GPM/ft (DR)	Supply Fluid Temp (°F)	Discharge Air Temp (°F)
				Conventional	Parallel			
6NDMLH-NRG	1	Deli/Dairy/Cut Produce	Standard	1862	1748	0.46	20	31
6NDMLH-NRG	1	Bulk Produce/Beverage	Standard	1860	1819	0.21	20	37
6NDMLH-NRG	1	Deli/Dairy/Cut Produce	Standard	1862	1748	0.83	25	31
6NDMLH-NRG	1	Bulk Produce/Beverage	Standard	1860	1819	0.38	25	37

SECOND NATURE DATA

Case Model	No. of Coils	Application	Front Sill Height	Supply Fluid Temp (°F)	No. of Defrost	Timed-Off Defrost		Warm Fluid Defrost	
						Fail-Safe (Min)	Termination Temp (°F)	Fail-Safe (Min)	Termination Temp (°F)
6NDMLH-NRG	1	Deli/Dairy/Cut Produce	Standard	20	6	60	47	26	49
6NDMLH-NRG	1	Bulk Produce/Beverage	Standard	20	6	60	47	26	49
6NDMLH-NRG	1	Deli/Dairy/Cut Produce	Standard	25	6	45	42	26	49
6NDMLH-NRG	1	Bulk Produce/Beverage	Standard	25	6	45	42	26	49

NOTES:

- All medium temperature data listed is for 35% by wt. PROPYLENE GLYCOL.
- Inhibited Propylene Glycol solution with water, such as Dowfrost or equivalent. (Dowfrost is a trademark of the Dow Chemical Company).
- Flowrates are determined by ASHRAE test conditions and may need to be adjusted based on store conditions.
- ** Flowrates are per case

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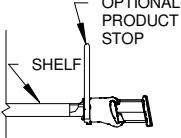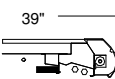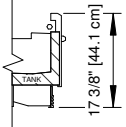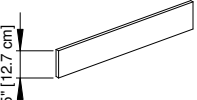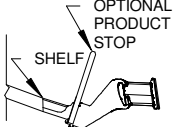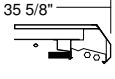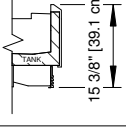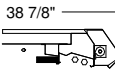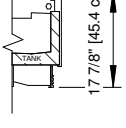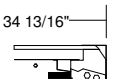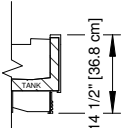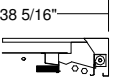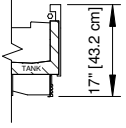
CORNICE OPTIONS	FRONT OPTIONS	SHELF TAG MOLDING OPTIONS	PRODUCT STOP OPTIONS (ONLY APPLICABLE ON SLOTTED TM)	SHELF EDGE ENERGY SAVINGS
CURVED CORNICE 35 3/4"	CLASSIC 2 STANDARD FRONT 14 3/4" [37.5 cm] TANK	1.25" STD	3" PLEXI PRODUCT STOPS 3" [7.6 cm]	ECO BLADE FLAT SHELF OPTIONAL PRODUCT STOP SHELF
CURVED CORNICE WITH NIGHT COVER 39"	CLASSIC 2 17" FRONT W/ & W/O NOSE LIGHT 17 3/8" [44.1 cm] TANK	SLOTTED	5" PLEXI PRODUCT STOPS 5" [12.7 cm]	ECO BLADE ANGLED SHELF OPTIONAL PRODUCT STOP SHELF
FACETED CORNICE 35 5/8"	ANGLED FRONT 15 3/8" [39.1 cm] TANK	ANGLED	WIRE FENCE PRODUCT STOPS 3 7/16" [8.7 cm]	
FACETED CORNICE WITH NIGHT COVER 38 7/8"	ANGLED FRONT W/ & W/O NOSE LIGHT 17 7/8" [45.4 cm] TANK	ANGLED SLOTTED		
FLAT CORNICE 34 13/16"	FLAT FRONT 14 1/2" [36.8 cm] TANK			
FLAT CORNICE WITH NIGHT COVER 38 5/16"	17" FLAT FRONT W/ & W/O NOSE LIGHT 17" [43.2 cm] TANK			

OPTION PAGE NOTES:
- Tag molding materials are PVC, aluminum, or painted aluminum.
- See Ecoblade tech sheet for additional information.

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OPTIONAL WIRING TO THE TOP 20 in X 14 in X 4 in

35 3/4" [90.8 cm]

20 in ①
20 in
20 in
20 in
20 in
20 in

LOAD LIMIT

25 5/8" [65.1 cm]

COIL   PLENUM

94 1/8" [239.2 cm] SHIPPING HEIGHT
91 7/8" [233.4 cm] OVERALL CASE HEIGHT
88 5/8" [225.1 cm] CASE HEIGHT
71" [180.3 cm] INTERIOR HEIGHT

66 3/4" [169.6 cm] VISUAL DISPLAY

4 1/8" [10.5 cm]
6 1/4" [15.9 cm]
26 1/4" [66.7 cm]
32 1/2" [82.6 cm]
36 1/2" [92.7 cm]
38" [96.5 cm]
12 3/4" [32.3 cm]
14 3/4" [37.5 cm]

PIPING TO THE TOP (OPTIONAL)

WIRING TO THE TOP (OPTIONAL)

2" MINIMUM AIR GAP

9 1/8" [23.2 cm]

38" [96.6 cm]
36 1/2" [92.8 cm]
32 1/2" [82.6 cm]
26 1/4" [66.7 cm]

23 1/2" [59.7 cm]*
27 1/8" [68.9 cm]**

1 1/2" [3.8 cm]
23 1/8" [58.7 cm]

DEFAULT REFRIGERATION

ELECTRICAL JUNCTION BOX

1 1/2" PVC DRAIN CONNECTION

1 1/2" [3.8 cm] {END}
8 3/4" [22.2 cm]

48" [121.9 cm]
72" [182.9 cm]
96" [243.8 cm]
144" [365.8 cm]
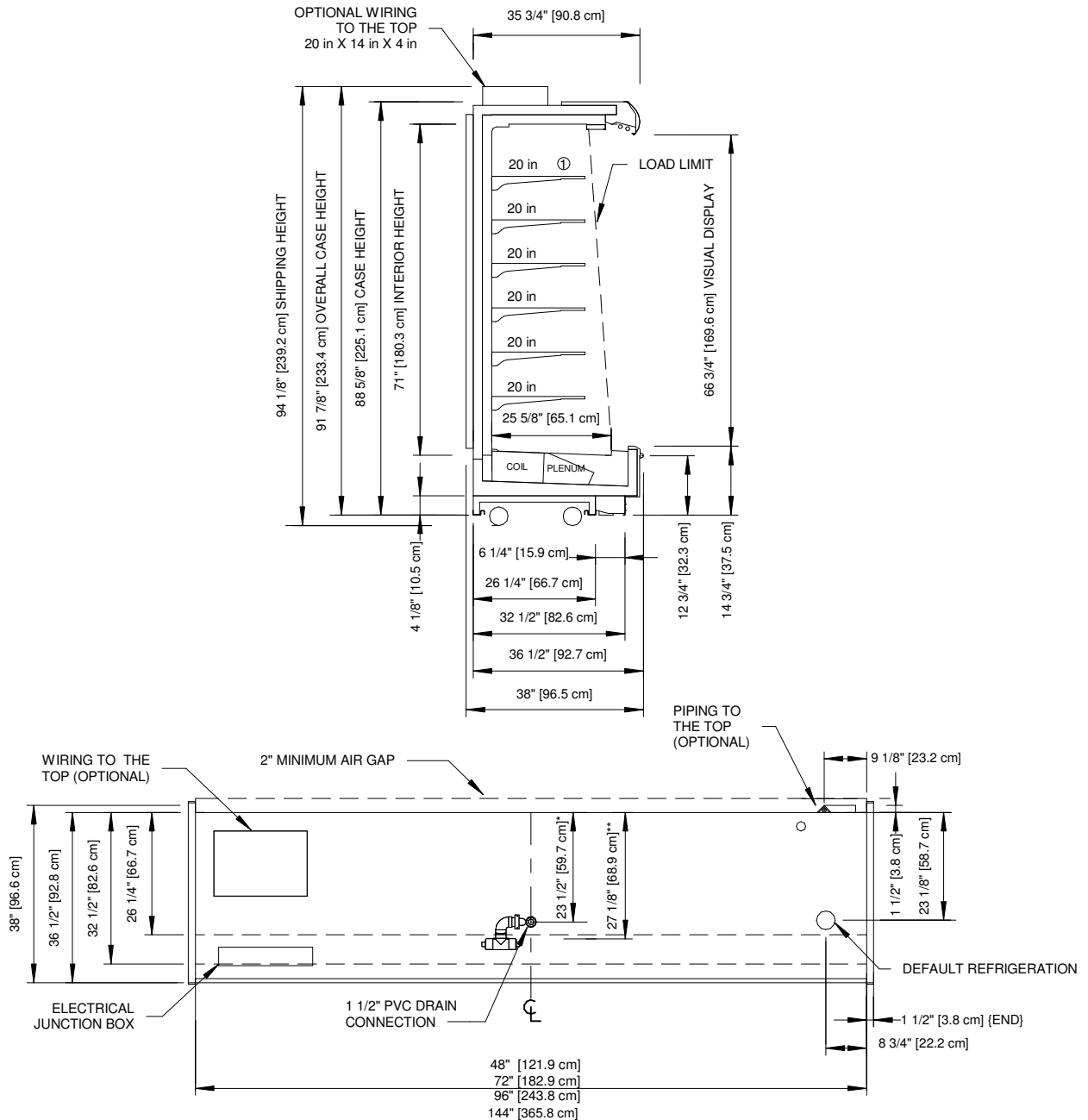
NOTES:

* : STUB-UP AREA

** : RECOMMENDED STUP-UP CENTERLINE FOR ELECTRICAL AND HUB DRAINS

① : AVAILABLE SHELF SIZES: 10", 12", 14", 16", 18", 20"

• Ends add approximately 1" to case height.
• Back panels add approximately 1" to the rear of the case.

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