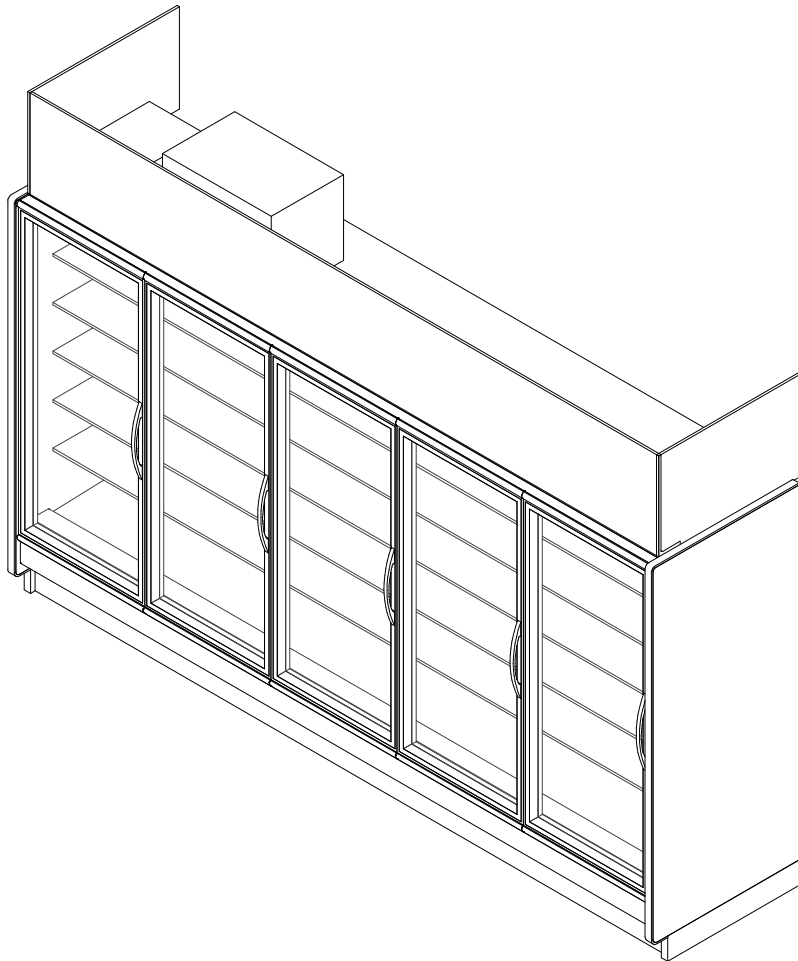


GENERAL NOTES:

- "---" indicates that the feature is not an option with this case model and/or the data is not available at this time.
- Light controls - occupancy sensors are required.
- Option 1: OEM Provided: OEM anti-condensate and lighting controls (on/off) are standard unless otherwise specified.
- Option 2: End User Provided: Light controls should be based on occupancy sensors.
- WARNING: R-290 flammable refrigerant in use. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.



SHIPPING WEIGHT

Case	Weight
JNRBHSA	---



COMPONENT

ALL MEASUREMENTS ARE TAKEN PER ASHRAE-72 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

JNRBHSA

Rev. Date	Rev. #	Rev. Title
01-16-26	5	DATA UPDATE
07-16-25	4	DATA UPDATE



a DIVERSA company



SYSTEM REQUIREMENT

Case Length	Volts	Wiring Type	Phase	Frequency (Hz)	Optional Factory Installed Plug		MCA	MOP	24hr Energy Usage (kWh)	THR (BTUH)
					Size	Amps				
2 Door	120	2 Wire + Gnd	1	60	NEMA 5-15P/L5-15P	6.95	8.1	15.0	7.0	995.2
3 Door	120	2 Wire + Gnd	1	60	NEMA 5-15P/L5-15P	7.70	8.9	15.0	9.9	1408.0
4 Door	120	2 Wire + Gnd	1	60	NEMA 5-15P/L5-15P	9.46	11.2	15.0	12.9	1834.0
5 Door	120	2 Wire + Gnd	1	60	NEMA 5-20P/L5-20P	12.88	15.8	20.0	16.8	2388.0
6'	120	2 Wire + Gnd	1	60	NEMA 5-15P/L5-15P	7.57	8.4	15.0	10.6	1501.0
8'	120	2 Wire + Gnd	1	60	NEMA 5-15P/L5-15P	8.61	9.7	15.0	11.8	1678.0
12'	120	2 Wire + Gnd	1	60	NEMA 5-20P/L5-20P	12.58	14.4	20.0	14.3	2033.0

ELECTRICAL DATA

Case Length	Fans Per Case	Evaporator Fans	
		120 Volts	
		Amps	Watts
2 Door	1	0.42	34
3 Door	2	0.84	68
4 Door	3	1.26	102
5 Door	3	1.26	102
6'	2	0.84	68
8'	2	0.84	68
12'	3	1.26	102

LIGHTING DATA

Case Length	Door Size	OP7 Single Swing		OP7 French Swing	
		120 Volts		120 Volts	
		Amps	Watts	Amps	Watts
2 Door	30"	0.28	33.0	---	---
3 Door	30"	0.41	49.2	---	---
4 Door	30"	0.55	65.4	---	---
5 Door	30"	0.68	81.6	---	---
6'	24"	---	---	0.44	52.3
8'	24"	---	---	0.44	52.3
12'	24"	---	---	0.64	76.6

ANTI CONDENSATE DATA

Case Length	Door Size	101 Frames		Vista Frames	
		Un Heated Doors		Un Heated Doors	
		ELMD, I90		I60	
		120 Volts		120 Volts	
		Amps	Watts	Amps	Watts
2 Door	30"	0.36	43	0.36	43
3 Door	30"	0.55	66	0.55	66
4 Door	30"	0.75	90	0.75	90
5 Door	30"	0.94	113	0.94	113
6'	24"	0.39	47	0.39	47
8'	24"	0.43	52	0.43	52
12'	24"	0.68	82	0.68	82



COMPONENT

ALL MEASUREMENTS ARE TAKEN PER ASHRAE-72 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

JNRBHSA

Rev. Date	Rev. #	Rev. Title
01-16-26	5	DATA UPDATE
07-16-25	4	DATA UPDATE





GUIDELINES AND CONTROL SETTINGS

Application	Superheat Set Point @ Bulb (°F)	Discharge Air (°F)	Set Point Differential (°F)	Discharge Air Velocity (FPM)
Beverage	6 - 8	35	6	230
Bakery/Dairy/Cut Produce	6 - 8	30	6	230
Deli	6 - 8	29	6	230

CONDENSING UNIT DATA

Case Length	Volts	Phase	Frequency (Hz)	Horsepower	Running Load Amps (RLA)	Locked Rotor Amps (LRA)	Refrigerant	Refrigerant (g)
2 Door	120	1	60	1/3	4.3	16.7	R-290	130
3 Door	120	1	60	1/3	4.3	16.7	R-290	140
4 Door	120	1	60	1/3	5.3	32.0	R-290	145
5 Door	120	1	60	1/2	8.4	40.2	R-290	150
6'	120	1	60	1/3	4.3	16.7	R-290	130
8'	120	1	60	1/3	5.3	32.0	R-290	134
12'	120	1	60	1/2	8.4	40.2	R-290	150

DEFROST CONTROLS

Case Length	Defrosts Per Day	Fail-Safe (Min)	Termination Temp (°F)
2-5 Door	2	46	40
6', 8', 12'	4	46	36

NOTES:

- "----" indicates that this feature is not an option on this case model.
- The 24 Hour Energy Value is based upon AHRI 1200 test conditions with Hillphoenix provided evaporator fans, condensing unit, LED lights, occupancy sensor based (on/off) lighting control, dew point based anti-sweat heat controller, condensate pump, evaporator pan, heated door frame, and heated glass doors/electric defrost on low temp cases.
- Heat dissipated to room listed for maximum design conditions, normal operating loads may be lower.
- Data listed is for Optimax. For other lighting options please contact your sales representative.
- Light wattages above reflect 100% run time. To determine actual daily energy usage at 75°F/55%RH conditions, reduce the light wattages above by 42%.
- The recommended evaporator temperature and defrost settings 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.
- Discharge air temperature values represent readings taken within the upper air channel immediately behind/upstream of the honeycomb.
- Listed discharge air velocity represents the average velocity immediately after defrost completion using a Testo 410i vane anemometer with anemometer air scoop (HP part number P109185M) positioned adjacent to the interior edge of the discharge honeycomb.



COMPONENT

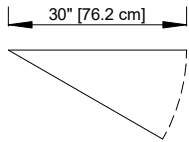
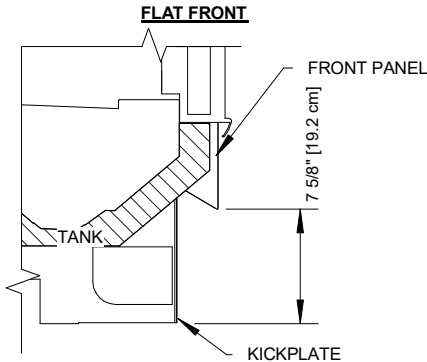
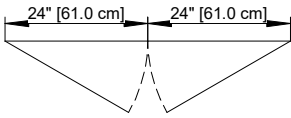
ALL MEASUREMENTS ARE TAKEN PER ASHRAE-72 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

JNRBHSA

Rev. Date	Rev. #	Rev. Title
01-16-26	5	DATA UPDATE
07-16-25	4	DATA UPDATE





DOOR OPTIONS	FRONT OPTIONS
STANDARD SWING DOOR 2, 3, 4, & 5 - DOOR CASES 	FLAT FRONT 
FRENCH DOOR 6', 8' & 12' CASES 	



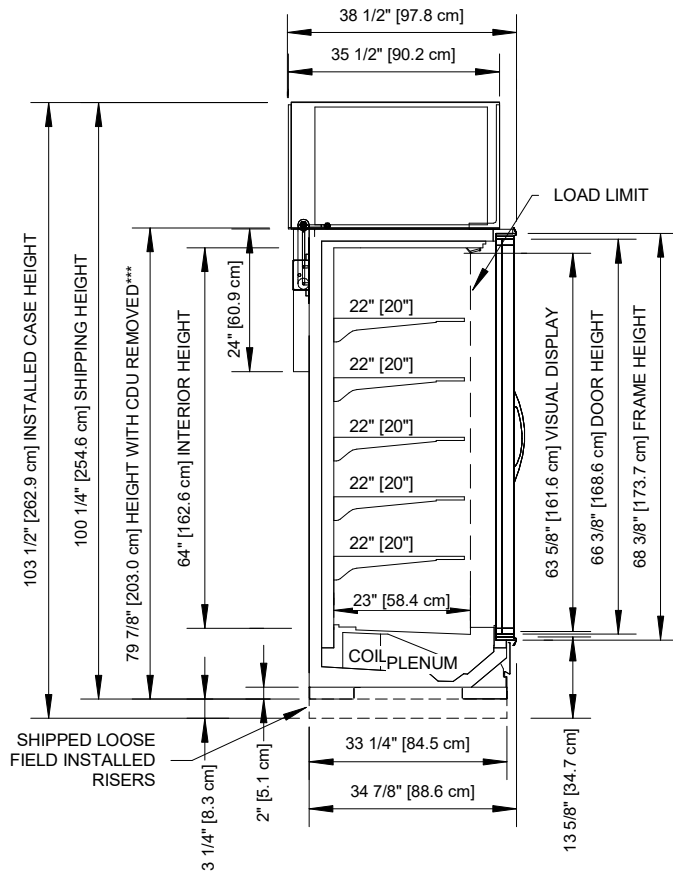
COMPONENT

ALL MEASUREMENTS ARE TAKEN PER ASHRAE-72 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

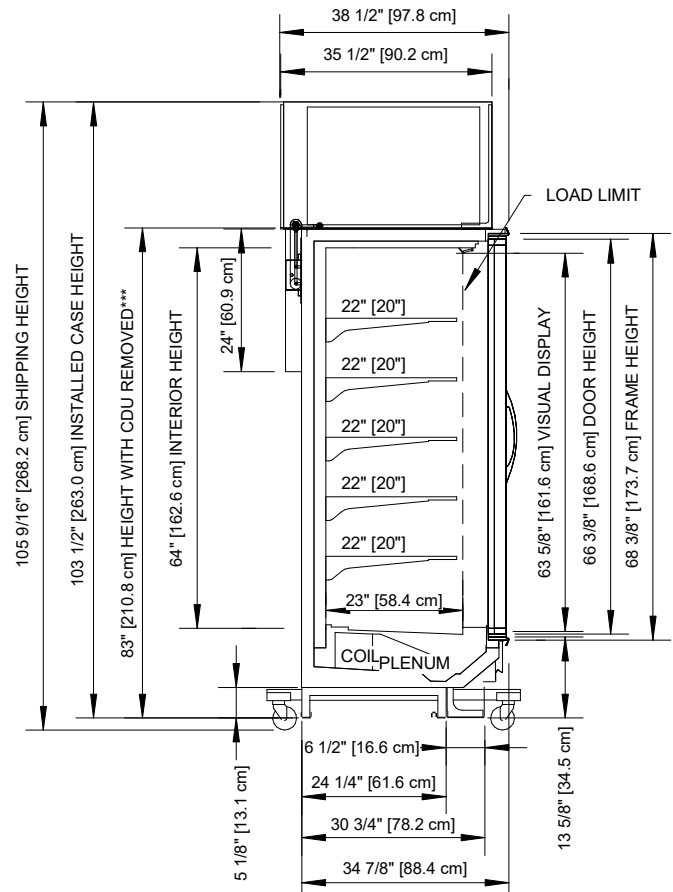
JNRBHSA

Rev. Date	Rev. #	Rev. Title
01-16-26	5	DATA UPDATE
07-16-25	4	DATA UPDATE





SPECIALIZED



STANDARD



COMPONENT

ALL MEASUREMENTS ARE TAKEN PER ASHRAE-72 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

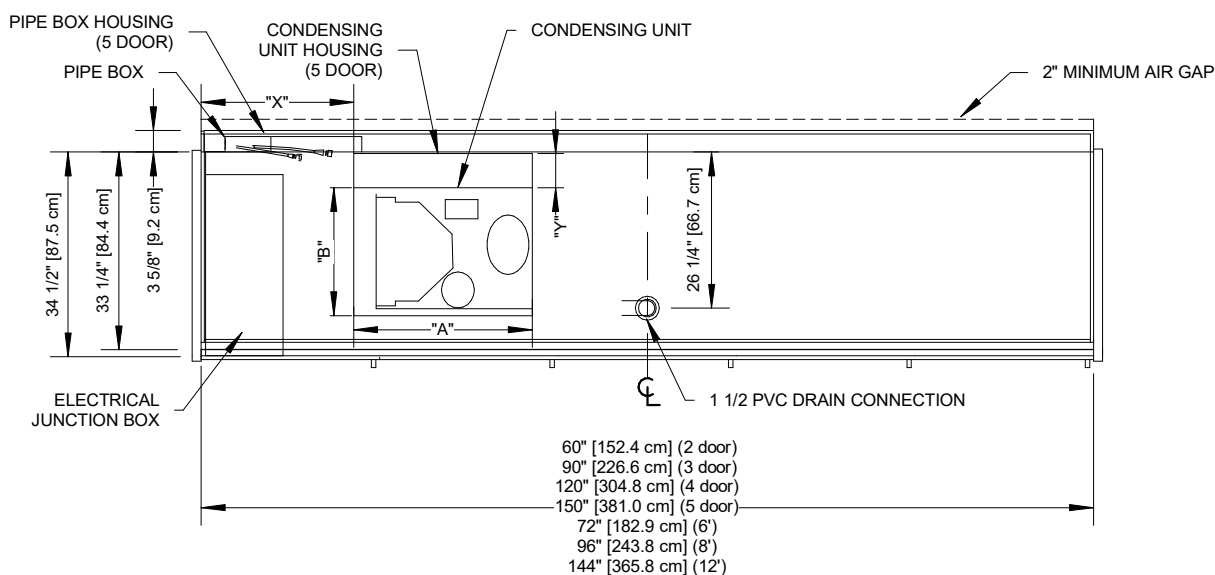
JNRBHSA

Rev. Date	Rev. #	Rev. Title
01-16-26	5	DATA UPDATE
07-16-25	4	DATA UPDATE





CONDENSING UNIT SIZE AND POSITION R-290							
CASE LENGTH	2DR	3DR	4DR	5DR	6'	8'	12'
"X"	25.63"	25.63"	25.63"	25.63"	25.63"	25.63"	25.63"
"Y"	7.94"	7.94"	7.94"	7.94"	7.94"	7.94"	7.94"
"A"	21"	21"	25.9"	25.9"	21"	25.9"	25.9"
"B"	17.2"	17.2"	17.2"	17.2"	17.2"	17.2"	17.2"



NOTES:

* : STUB-UP AREA.

** : RECOMMENDED STUB-UP CENTERLINE FOR ELECTRICAL AND HUB DRAINS.

- Specialized Base Frame (available on door length models ONLY):
- Case fits through 80" doorway in the as shipped configuration with 2" fork lift brackets.
- 2" lifting brackets (installed) & 3.25" ship loose risers combine for 5" baseframe once installed.
- Drain traps ship loose.
- Ends add approximately 1" to case height, 1/2" to the back & 1" to the front.



COMPONENT

ALL MEASUREMENTS ARE TAKEN PER ASHRAE-72 SPECIFICATIONS. HILLPHOENIX REFRIGERATED DISPLAY CASES FOR SALE IN THE UNITED STATES MEET OR EXCEED DEPARTMENT OF ENERGY 2017 REQUIREMENTS.

JNRBHSA

Rev. Date	Rev. #	Rev. Title
01-16-26	5	DATA UPDATE
07-16-25	4	DATA UPDATE

