

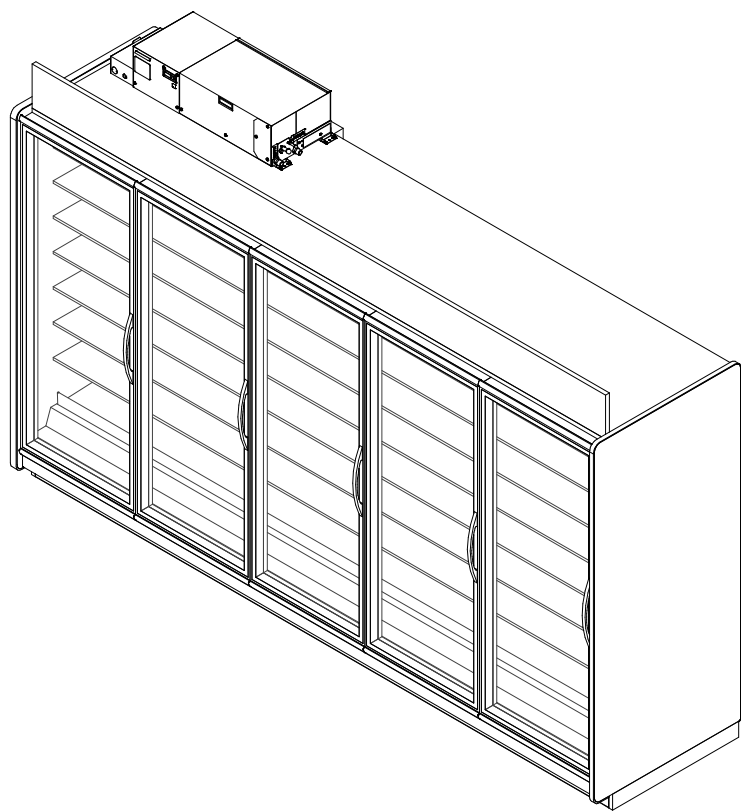
# VNRZQA

Narrow Reach-In Merchandiser  
1, 2, 3, 4, & 5 Door (Frozen Food / Ice Cream)



**GENERAL NOTES**

- 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. Store level A/S control should be set to 20% minimum off time at 75°F/55%RH.



SHIPPING WEIGHT	
Case	Weight
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ELECTRICAL DATA									
Case Length	Fans Per Case	High Efficiency Fans		Drain Heaters		Defrost Heaters			
		120 Volts		120 Volts		208 Volts		240 Volts	
		Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
1 Door	1	0.40	26	0.90	113	3.27	680	3.78	906
2 Door	2	0.60	52	1.27	152	7.46	1552	8.62	2068
3 Door	3	1.00	78	1.43	171	10.93	2274	12.58	3018
4 Door	4	1.30	104	1.89	227	14.35	2984	16.63	3992
5 Door	5	1.60	130	2.29	275	17.50	3640	20.17	4840

LIGHTING DATA					
Case Length	Door Size	OP45		OP7 Single Swing	
		120 Volts		120 Volts	
		Amps	Watts	Amps	Watts
1 Door	31"	0.18	21.0	0.17	20.4
2 Door	30"	0.36	43.1	0.33	39.7
3 Door	30"	0.54	65.2	0.49	59.0
4 Door	30"	0.73	87.3	0.65	78.3
5 Door	30"	0.91	109.4	0.81	97.6

## NOTES

- "----" indicates that this feature is not an option on this case model.
- Door / Frame A/S circuits and fans share the same circuit (same cycle). Default jumpers can be removed in field if separate circuits are desired for A/S and fans.
- Drain heater and fan motors share the same circuit (separate cycles). Electrical circuits must be properly sized to accommodate the higher current draw of the tank heater.
- Defrost heater 3-phase load is unbalanced.
- 3-phase defrost heater data listed represents the maximum amps per phase.
- Data listed is for Optimax Radiant. For other lighting options please contact your sales representative.
- Anti-condensate heat values for Low E represent a door with no heat on the glass.
- Listed discharge air velocity represents the average velocity at the peak of defrost.
- Defrost Run-off Time applies to Hot Gas Defrost only. Electric Defrost has a 0-minute run-off time.
- Temperature and defrost settings listed above are recommended start-up settings. Final operational settings may need to be adjusted for the store conditions in which the case operates.
- Low energy doors (no heat on the glass) do not require anti-condensate or lighting controls. Frame A/S heat is cycled off during defrost cycles.
- Heated doors (heat on the glass) require anti-condensate and lighting controls. Frame A/S heat is cycled off during defrost cycles.
- Light and A/S 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% and reduce the A/S values above by the minimum off time.



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**SOLO CHILL**  
MICRO-DISTRIBUTED

ANTI CONDENSATE DATA											
Case Length	Door Size	Individual Circuits									
		I90 Doors				ELMD,ELMH Doors				Door Frame	
		Heated Doors		Low E Doors		Heated Doors		Low E Doors		101-LE	
		120 Volts		120 Volts		120 Volts		120 Volts		120 Volts	
		Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
1 Door	31"	0.30	36	0.18	21	0.33	39	0.19	22	0.82	98
2 Door	30"	0.65	72	0.36	43	0.66	79	0.37	45	1.36	163
3 Door	30"	0.98	109	0.53	64	0.99	118	0.56	67	1.90	228
4 Door	30"	1.31	145	0.71	85	1.31	158	0.74	89	2.48	298
5 Door	30"	1.63	181	0.89	107	1.64	197	0.93	112	3.00	360

DEFROST CONTROLS			
Defrosts Per Day	Electric Defrost		
	Fail Safe (Min)	Termination Temp (°F)	Run Off Time
1	46	50	0



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SOLOCHILL DATA			@95° Condensing Temperature		
Volts	Phase	Frequency	Wire		
208	1	60	3 Wire + Ground		
Application	Case Length	Evaporator Temp (°F)	Discharge Air (°F)	Discharge Air Velocity (FPM)	
FROZEN	1 Door	-7	-1	455	
FROZEN	2 Door	-7	-1	455	
FROZEN	3 Door	-7	-1	455	
FROZEN	4 Door	-7	-1	455	
FROZEN	5 Door	-7	-1	455	
ICE CREAM	1 Door	-15	-8	455	
ICE CREAM	2 Door	-15	-8	455	
ICE CREAM	3 Door	-15	-8	455	
ICE CREAM	4 Door	-15	-8	455	
ICE CREAM	5 Door	-15	-8	455	

Application	Case Length	R410A					
		Condensing Unit Model	MCA	MOP	Required Capacity	THR (BTUH)	Flow Rate
FROZEN	1 Door	Remote	---	---	---	---	---
FROZEN	2 Door	DA091	12.7	15	2182	3361	1.0
FROZEN	3 Door	DA130	18.7	20	3273	4842	1.4
FROZEN	4 Door	DA220	26.2	30	4364	6273	1.8
FROZEN	5 Door	DA220	27.7	30	5455	7793	2.2
ICE CREAM	1 Door	Remote	---	---	---	---	---
ICE CREAM	2 Door	DA091	12.7	15	2376	3867	1.1
ICE CREAM	3 Door	DA130	18.7	20	3564	5543	1.6
ICE CREAM	4 Door	DA220	26.2	30	4752	7128	2.0
ICE CREAM	5 Door	DA220	27.7	30	5940	8873	2.5

Application	Case Length	R448A					
		Condensing Unit Model	MCA	MOP	Required Capacity	THR (BTUH)	Flow Rate
FROZEN	1 Door	Remote	---	---	---	---	---
FROZEN	2 Door	DA130	12.7	15	2182	3254	0.9
FROZEN	3 Door	DA220	19.9	20	3273	4724	1.4
FROZEN	4 Door	DA330	28.5	30	4364	6484	1.9
FROZEN	5 Door	DA420	39.6	40	5455	7916	2.3
ICE CREAM	1 Door	Remote	---	---	---	---	---
ICE CREAM	2 Door	DA130	12.7	15	2376	3742	1.1
ICE CREAM	3 Door	DA220	19.9	20	3564	5394	1.5
ICE CREAM	4 Door	DA330	28.5	30	4752	7459	2.1
ICE CREAM	5 Door	DA420	39.6	40	5940	9094	2.6

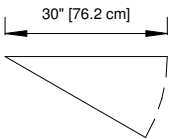
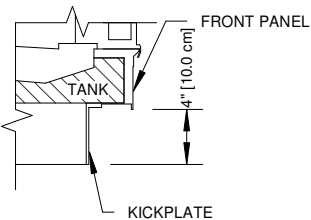


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DOOR OPTIONS	FRONT OPTIONS
<p>STANDARD SWING DOOR 1, 2, 3, 4, &amp; 5 - DOOR CASES</p> 	<p><u>FLAT FRONT (V SERIES)</u></p> 



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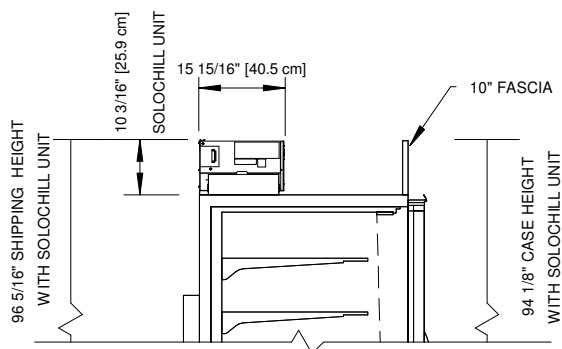
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## SOLOCHILL UNIT OPTIONS

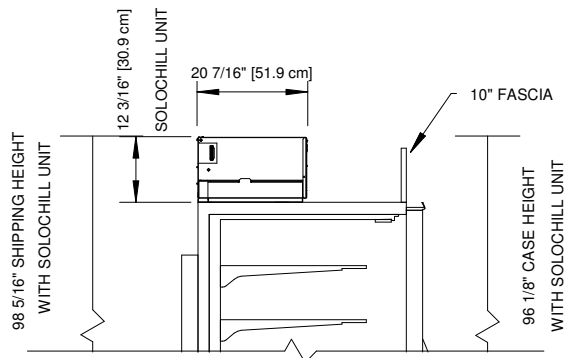
### DA091, DA130, DA220

#### LEFT VIEW

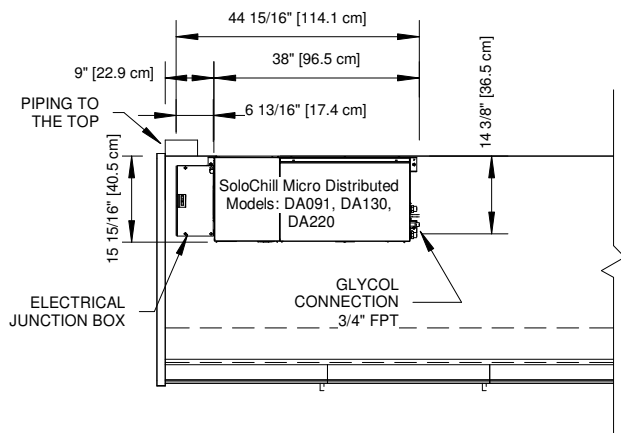


### DA330, DA420

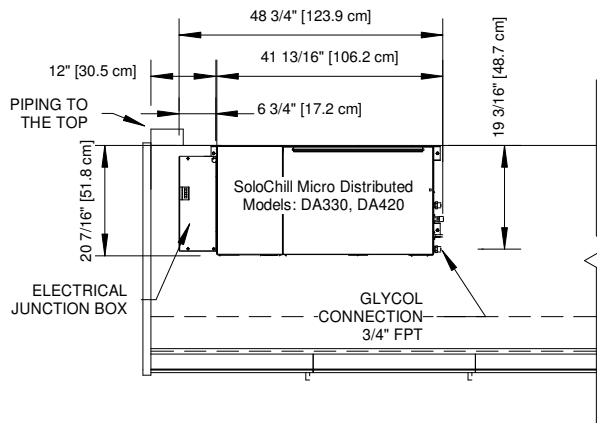
#### LEFT VIEW



#### TOP VIEW



#### TOP VIEW



## NOTES

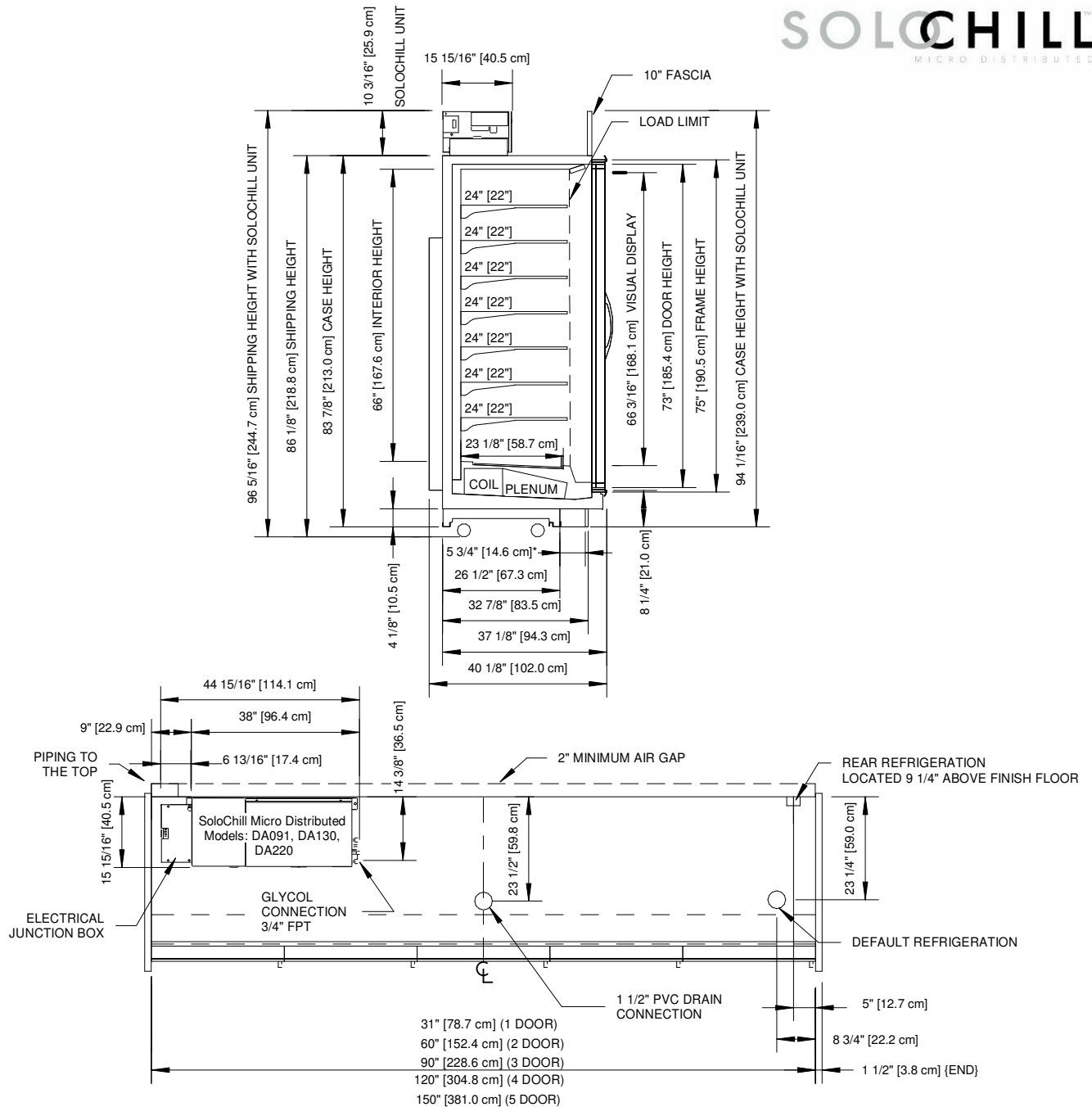
- SoloChill Units are not available on the 1 Door case length. This case length is remote mount due to the length of the SoloChill Units.



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### NOTES

\* : STUB-UP AREA.

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

- Ends add approximately 1" to case height, 1/2" to the back & 1" to the front.
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