



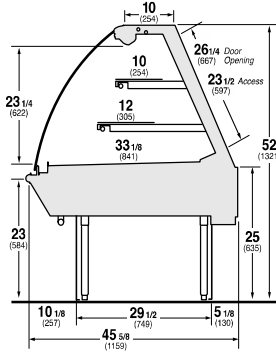
DELI SERVICE
HUSSMANN - Q3-DC/DS (CHINO)



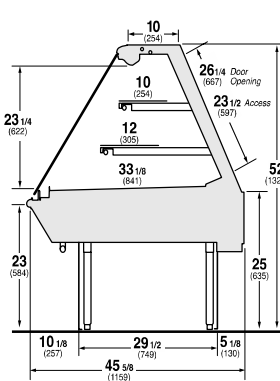
Hussmann refrigerated merchandisers configured for sale for use in the United States meet or surpass the requirements of the DOE 2017 energy efficiency standards.

REVISION DATE 09/29/17

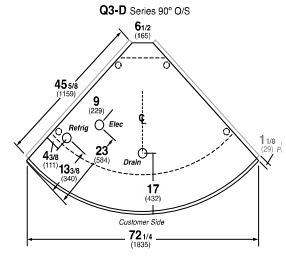
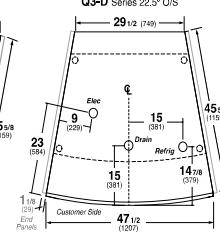
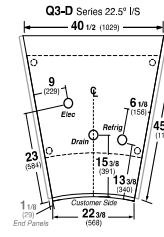
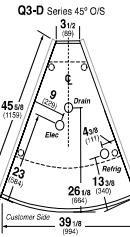
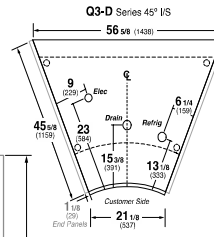
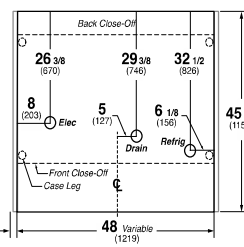
Q3-DC
Curved Glass
Multi-Deck Deli



Q3-DS
Straight Glass Multi-Deck Deli



Q3-DC/DS Multi-Deck Deli



REFRIGERATION DATA:

CASE LENGTHS/ WEDGES	CASE USAGE	CAPACITY *** (BTU/HR/FT) (TOTAL FOR WEDGES)		TEMPERATURE (°F)				VELOCITY (FT/MIN)
		RATING CONDITION		EVAPORATOR		DISCHARGE AIR ** (°F)		
		NSF 7	AHRI 1200	NSF 7	AHRI 1200	NSF 7		
4' 5' 6' 8' 10' 12'	DELI	380	265	20	24	28~31		200~250
22.5° IS	DELI	1380	830	20	24	28~31		200~250
22.5° OS	DELI	2210	1115	20	24	28~31		200~250
45° IS	DELI	2850	975	20	24	28~31		200~250
45° OS	DELI	2430	1045	20	24	28~31		200~250
90° OS	DELI	3635	1380	20	24	28~31		200~250

**FRONT DISCHARGE AIR MEASURED INSIDE AIR CURTAIN HONEYCOMB

***REFRIGERATION NOTES:

- 1) BTU'S INCLUDE CANOPY LIGHTS. ADD 10 BTUS/SHELF/FT FOR EACH SHELF (LIGHT)
- 2) AHRI 1200 RATING POINT FOR ENERGY CONSUMPTION COMPARISON ONLY
- 3) USE DEW POINT FOR HIGH GLIDE REFRIGERANTS. CARE SHOULD BE TAKEN TO USE THE DEW POINT IN P/T TABLES FOR MEASURING AND ADJUSTING SUPERHEAT. ADJUST EVAPORATOR PRESSURE AS NEEDED TO MAINTAIN THE DISCHARGE AIR TEMPERATURE SHOWN.
- 4) RATING CONDITION IS NSF TYPE I, 75°F/55% RH

CASE LENGTHS	EST. REFG. CHRG. (R404A) (LBS)	GLYCOL (20°F INLET, 6° RISE)	
		GPM	PSI
4'	0.5	0.6	1.3
5'	0.7	0.7	2.1
6'	0.7	0.8	3.0
8'	1.0	1.1	1.4
10'	1.4	1.3	2.4
12'	1.5	1.6	2.9
22.5° IS	0.3	0.4	0.7
22.5° OS	0.3	0.7	1.3
45° IS	0.3	0.9	1.8
45° OS	0.2	0.8	0.9
90° OS	0.3	1.1	2.4

REFRIGERATION DATA CONTINUED:

ELEC. THERMOSTAT / AIR SENSOR SETTINGS			DEFROST TYPE	TIME (MIN)	DEFROST FREQUENCY (#/DAY)	TERM. TEMP (°F) COIL ONLY	DRIP TIME	DEFROST WATER (LBS/DAY/FT)
USAGE	CUT IN (°F)	CUT OUT (°F)						
DELI	30	27	OFF TIME	40	3	45	N/A	2.4

END PANEL WIDTH KEY		
# OF END PNLS	END PNL WIDTH (IN.)	TOTAL ADDED LENGTH (IN.)
1	1.125	1.125
2	1.125	2.25

ELECTRICAL DATA:

STANDARD FANS, HEATERS, LED LIGHTS (115 VOLT)

CASE LENGTH	EVAPORATOR FANS					AIRSWEEP FANS			CANOPY LIGHTS LED		OPTIONAL LED SHELF LIGHTS		MAX. LED LOAD (W/ ALL OPTIONS)		AIRSWEEP HEATERS		CONVENIENCE OUTLETS (OPTIONAL)		
	# OF FANS	BLADE DIA. (IN.)	BLADE PITCH (°)	AMPS	WATTS	# OF FANS	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	# OUTLETS	VOLTS	AMPS
4'	1	6.7	25	0.12	8	1	0.08	9	0.13	15	0.18	21	0.31	36	1.30	150	1	115	15
5'	1	6.7	25	0.12	8	1	0.08	9	0.18	21	0.23	26	0.40	47	1.65	190	1	115	15
6'	2	6.7	25	0.24	16	2	0.15	18	0.23	26	0.27	31	0.49	57	1.96	225	1	115	15
8'	2	6.7	25	0.24	16	2	0.15	18	0.27	31	0.36	41	0.63	72	2.61	300	1	115	15
10'	2	6.7	25	0.24	16	2	0.15	18	0.36	41	0.45	52	0.81	93	3.26	375	1	115	15
12'	4	6.7	25	0.48	32	3	0.23	26	0.40	46	0.54	62	0.94	108	3.91	450	2	115	30
22.5° IS	1	6.7	15	0.12	8	1	0.08	9	0.09	10	0.09	10	0.17	20	0.65	75	N/A	N/A	N/A
22.5° OS	1	6.7	25	0.12	8	1	0.08	9	0.09	10	0.13	15	0.22	25	1.04	120	N/A	N/A	N/A
45° IS	1	6.7	15	0.12	8	1	0.08	9	0.04	4	0.13	15	0.17	20	0.65	75	N/A	N/A	N/A
45° OS	1	6.7	10	0.12	8	1	0.08	9	0.04	4	0.09	10	0.12	14	1.09	125	N/A	N/A	N/A
90° OS	2	6.7	20	0.24	16	2	0.15	18	0.04	4	0.08	9	0.12	13	1.96	225	N/A	N/A	N/A

OPTIONAL HIGH OUTPUT LED LIGHTS (115 VOLT)

CASE LENGTH	CANOPY LIGHTS H.O. LED		OPTIONAL SHELF		MAX. H.O. LED LOAD	
	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS
4'	0.23	26	0.26	30	0.49	56
5'	N/A	N/A	N/A	N/A	N/A	N/A
6'	N/A	N/A	N/A	N/A	N/A	N/A
8'	0.45	52	0.53	61	0.98	113
10'	N/A	N/A	N/A	N/A	N/A	N/A
12'	0.68	78	0.79	91	1.47	169
22.5° IS	N/A	N/A	N/A	N/A	N/A	N/A
22.5° OS	N/A	N/A	N/A	N/A	N/A	N/A
45° IS	N/A	N/A	N/A	N/A	N/A	N/A
45° OS	N/A	N/A	N/A	N/A	N/A	N/A
90° OS	N/A	N/A	N/A	N/A	N/A	N/A