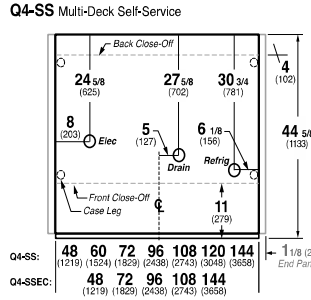
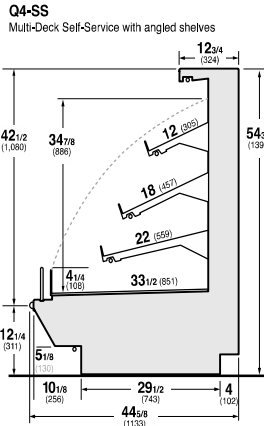




**SELF SERVICE DELI**  
**HUSSMANN - Q4-SS-R (CHINO)**

**DOE 2017**  
Energy Efficiency  
Compliant

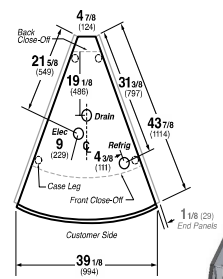
Hussmann refrigerated merchandisers configured for sale for use in the United States meet or surpass the requirements of the DOE 2017 energy efficiency standards.



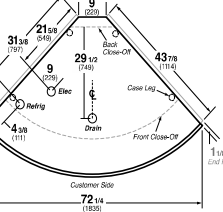
Q4-SS:	48	60	72	96	108	120	144
	(1219)	(1524)	(1829)	(2438)	(2743)	(3049)	(3658)
Q4-SS-EC:	48	72	96	108	144		
	(1219)	(1829)	(2438)	(2743)	(3658)		

Notes:  
Contact your sales representative for information on possible availability of additional case lengths.

**Q4-SS 45° OS Wedge**



**Q4-SS 90° OS Wedge**



**REFRIGERATION DATA:**

CASE LENGTHS/ WEDGES	CASE USAGE	CAPACITY TOTAL/TOP*** (BTU/HR/FT) (TOTAL)		TEMPERATURE (°F)			VELOCITY TOP/STORAGE E (FT/MIN)
		RATING CONDITION		EVAPORATOR		DISCHARGE AIR	
		NSF 7	AHRI 1200	NSF 7	AHRI 1200	NSF 7	
4', 5', 6', 8', 10', 12'	SS DELI	940	940	20	20	30~32	70~140
45° OS	SS DELI	2200	2200	20	20	30~32	70~140
90° OS	SS DELI	5450	5450	20	20	30~32	70~140
REAR STORAGE	SS DELI	105	90	20	24	30~34	380~600

**\*\*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% RELATIVE HUMIDITY
- 5) DISCHARGE AIR TEMPERATURE AND VELOCITIES ARE MEASURED AT THE UPPER WALL DISCHARGE CLUSTER PATTERN
- 6) FOR DX CO2 APPLICATIONS, THE AVERAGE EVAPORATOR TEMPERATURE MAY BE LOWERED BY UP TO 2°F TO 5°F, BUT NOT MORE THAN 5°F TO MAINTAIN 50PSIG PRESSURE DROP ACROSS THE EXPANSION DEVICE (EEV). AN EEPR VALVE MUST BE USED IF THE SYTEM SUCTION PRESSURE IS MORE THAN 5°F BELOW THE PUBLISHED CASE EVAPORATOR TEMPERATURE

CASE LENGTHS	20°F GLYCOL 6° RISE INLET TOP			
	Q4-SS		OPTIONAL REAR STORAGE	
	GPM	PSI	GPM	PSI
4'	1.4	3.0	0.1	0.0
5'	1.7	4.6	0.2	0.1
6'	2.0	6.5	0.2	0.2
8'	2.6	3.2	0.3	0.4
10'	3.2	5.5	0.4	0.2
12'	3.8	6.3	0.4	0.3
45° OS	0.7	0.6	N/A	N/A
90° OS	1.7	3.1	N/A	N/A

**REFRIGERATION DATA CONTINUED:**

LOCATION	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)						
SELF SERVICE	SS DELI	33	30	OFF TIME	30	6	52	N/A
REAR STORAGE		35	32					
SELF SERVICE - GLYCOL		33	30					
SELF SERVICE - CO2		30	27					

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				EVAPORATOR FANS: REFRIGERATED REAR STORAGE (OPTIONAL)			CANOPY LIGHTS LED		LED SHELF LIGHTS		MAX. LED LOAD (W/ ALL OPTIONS)		ANTI-SWEAT HEATERS		CONVENIENCE OUTLETS (OPTIONAL)			
	# OF EVAP FANS	MOTOR RPM	DIAM(mm) / PITCH	AMPS	WATTS	# OF EVAP FANS	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	# OUTLETS	VOLTS	AMPS
4'	2	1800	172 / 28°	0.4	30	1	0.3	9	0.1	10	0.3	31	0.4	41	N/A	N/A	N/A	N/A	N/A
4' (CO2 & GLYCOL)	2	2100	172 / 28°	0.4	30	1	0.3	9	0.1	10	0.3	31	0.4	41	N/A	N/A	N/A	N/A	N/A
5'	2	2100	172 / 28°	0.4	30	1	0.3	9	0.1	13	0.3	39	0.5	52	N/A	N/A	N/A	N/A	N/A
6'	4	1450	172 / 28°	0.9	60	1	0.3	9	0.1	15	0.4	46	0.5	62	N/A	N/A	N/A	N/A	N/A
8'	4	1800	172 / 28°	0.9	60	1	0.3	9	0.2	21	0.5	62	0.7	82	N/A	N/A	N/A	N/A	N/A
8' (CO2 & GLYCOL)	4	2100	172 / 28°	0.9	60	1	0.3	9	0.2	21	0.5	62	0.7	82	N/A	N/A	N/A	N/A	N/A
10'	4	2100	172 / 28°	0.9	60	1	0.3	9	0.2	26	0.7	78	0.9	104	N/A	N/A	N/A	N/A	N/A
12'	6	1800	172 / 28°	1.3	90	1	0.3	9	0.3	31	0.8	93	1.1	124	N/A	N/A	N/A	N/A	N/A
12' (CO2 & GLYCOL)	6	2100	172 / 28°	1.3	90	1	0.3	9	0.3	31	0.8	93	1.1	124	N/A	N/A	N/A	N/A	N/A
45° OS	2	1450	172 / 28°	0.4	30	N/A	N/A	N/A	0.0	2	0.1	13	0.1	15	N/A	N/A	N/A	N/A	N/A
90° OS	2	2100	172 / 28°	0.4	30	N/A	N/A	N/A	0.0	4	0.2	21	0.2	26	N/A	N/A	N/A	N/A	N/A

**OPTIONAL HIGH OUTPUT LED LIGHTS (115 VOLT)**

CASE LENGTH	CANOPY LIGHTS H.O. LED		SHELF LIGHTS H.O. LED		MAX. H.O. LED LOAD	
	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS
4'	0.1	15	0.4	46	0.5	61
5'	N/A	N/A	N/A	N/A	N/A	N/A
6'	0.2	26	0.7	78	0.9	104
8'	0.3	30	0.8	91	1.1	122
10'	N/A	N/A	N/A	N/A	N/A	N/A
12'	0.4	46	1.2	137	1.6	183
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