

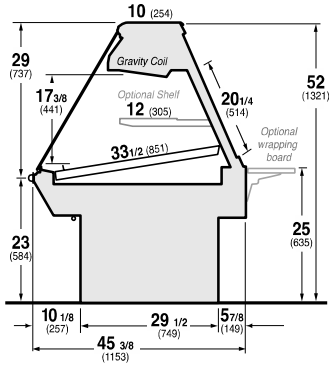


MEAT / FISH SERVICE CASE
HUSSMANN - Q3-MC/FC-EP, Q3-MS/FS-EP (CHINO)

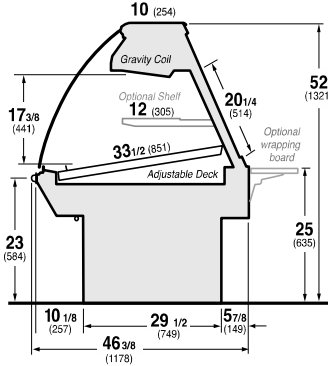
REVISION DATE 02/22/17

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.

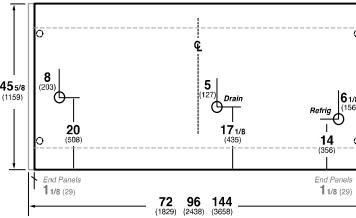
Q3-M/FS-EP Service Meat or Fish



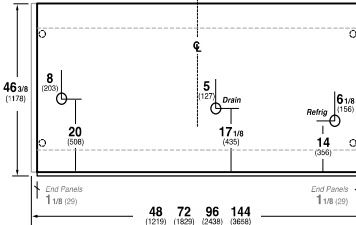
Q3-M/FC-EP Service Meat or Fish Case



Q3-M/F-EP



Q3-M/FC-EP



REFRIGERATION DATA:

CASE LENGTHS	CASE USAGE	CAPACITY *** (BTU/HR/FT)		TEMPERATURE (°F)			VELOCITY (FT/MIN)
		RATING CONDITION		EVAPORATOR		DISCHARGE AIR ** (°F)	
		NSF 7	AHRI 1200	NSF 7	AHRI 1200	NSF 7	
4', 6', 8', 12'	MEAT / FISH (NO SHELF)	250	250	28	28	33	50~75
4', 6', 8', 12'	MEAT / FISH (WITH SHELF)	340	340	20	20	28	50~75

CASE LENGTHS	EST. REFG. CHR.G. (LBS)	20°F GLYCOL 6° RISE			
		GRAVITY		DECK	
		GPM	PSI	GPM	PSI
4'	0.7	0.3	0.3	0.1	0.0
6'	1.0	0.4	0.9	0.1	0.2
8'	1.3	0.5	1.9	0.2	0.4
12'	1.9	0.7	4.3	0.2	1.2

**FRONT DISCHARGE AIR MEASURED INSIDE AIR CURTAIN HONEYCOMB

***REFRIGERATION NOTES:

- 1) BTU'S INCLUDE LIGHTS
- 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
- 5) ADJUSTMENTS TO CONTROL SETTING SHOULD BE MADE IN 1°F INCREMENTS DEPENDING UPON MEAT DEPT AMBIENT CONDITIONS
- 6) FOR SHELF APPLICATIONS IT MAY BE NECESSARY TO INCREASE DEFROST TIME APPROXIMATELY 1 MIN PER 1°F BELOW 75°F AMBIENT

REFRIGERATION DATA CONTINUED:

CASE USAGE	ELEC. THERMOSTAT / AIR SENSOR SETTINGS			DEFROST TYPE	TIME (MIN)	DEFROST FREQUENCY (#/DAY)	TERM. TEMP (°F) COIL ONLY	DRIP TIME	DEFROST WATER (LBS/DAY/FT)
	LOCATION	CUT IN (°F)	CUT OUT (°F)						
MEAT / FISH (NO SHELF)	GRAVITY	34	33	OFF TIME	50	1	50	N/A	0.8
	DECK	32	31						
MEAT / FISH (WITH SHELF)	GRAVITY	22	20		65	3	42	N/A	1.2
	DECK	32	31						

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	AIRSWEEP FANS			CANOPY LIGHTS LED		OPTIONAL LED SHELF LIGHTS		MAX. LED LOAD (W/ ALL OPTIONS)		ANTI-SWEAT HEATERS (ON FAN CIRCUIT)		CONVENIENCE OUTLETS (OPTIONAL)		
	# OF AIRSWEEP FANS	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	# OUTLETS	VOLTS	AMPS
4'	1	0.04	4.7	0.18	21	0.09	10	0.27	31	N/A	N/A	1	115	15
6'	1	0.04	4.7	0.26	30	0.13	15	0.40	46	N/A	N/A	1	115	15
8'	1	0.04	4.7	0.36	41	0.18	21	0.54	62	N/A	N/A	1	115	15
12'	1	0.04	4.7	0.54	62	0.27	31	0.81	93	N/A	N/A	1	115	15

OPTIONAL HIGH OUTPUT LED LIGHTS (115 VOLT)

CASE LENGTH	CANOPY LIGHTS H.O. LED		OPTIONAL SHELF H.O. LED		MAX. H.O. LED LOAD	
	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS
4'	0.26	30	0.13	15	0.40	46
6'	N/A	N/A	N/A	N/A	N/A	N/A
8'	0.53	61	0.26	30	0.79	91
12'	0.79	91	0.40	46	1.19	137