



MSA MEDIUM SILHOUETTE EVAPORATOR

AIR DEFROST

SUBMITTAL
MSA-834C
FEB. 1996
SUPERCEDES
MSA-834B



Also suitable for Thermobank or other Hot Gas Defrosts for room temperatures +33°F and higher.
See bulletin MSG-830 and CSG-855 for more information.

Description:

The MSA unit cooler is ideal for meat, produce, fish or dairy storage walk in coolers in warehouses and super-markets where temperatures of +35°F or higher are required.

The draw-thru air flow design coupled with fin spacing of 4 fins per inch assures uniform air distribution.

Removable end panels allow easy access to refrigerant connections. There is ample room within the end compartment for mounting the expansion valve.

Features:

EFFICIENT OPERATION

- Computer optimized design.
- Mill finish Aluminum Construction.

LONG LIFE AND RELIABILITY

- Motor bearings are lubricated for the life of the motor.
- Motors have built-in overload protection.
- Corrosion resistant casing and sturdy construction for long life.
- Coils constructed of Copper tubes and Aluminum fins.

QUALITY

- Fans and motors specially selected for quietness.
- UL, C-UL Listed, NSF approved.
- Dependable coil ratings.
- Coils tested, dehydrated and sealed at the factory.
- Fan guards exceed OSHA requirements.
- Draw thru air design.
- Stainless steel fasteners.
- Sturdy structural motor mounts.

SERVICEABILITY

- Removable end panels for easy access.
- Electrical conduit box has retained fasteners.

APPEARANCE

- Room for TXV inside cabinet.
- Clean low silhouette design.

Fig. 1

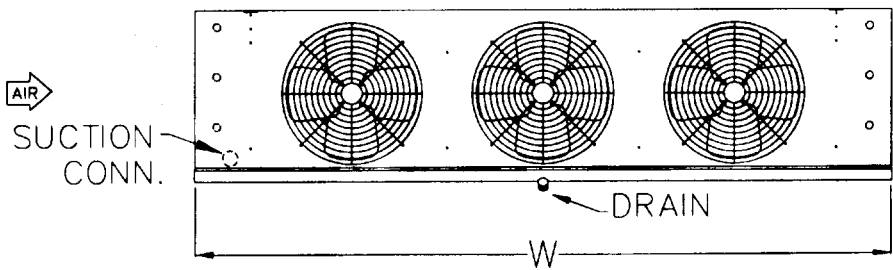
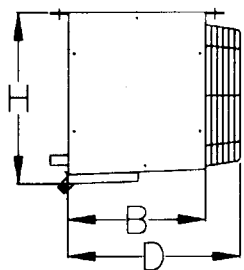
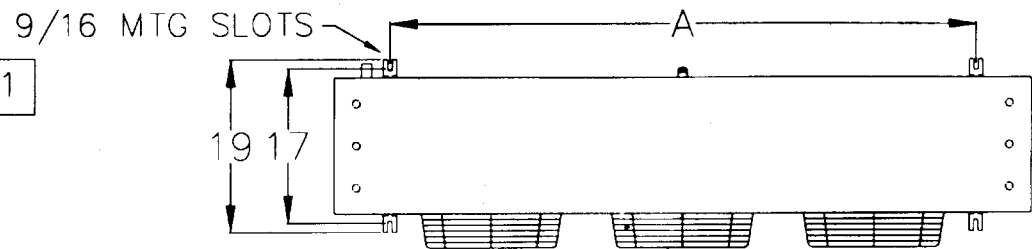
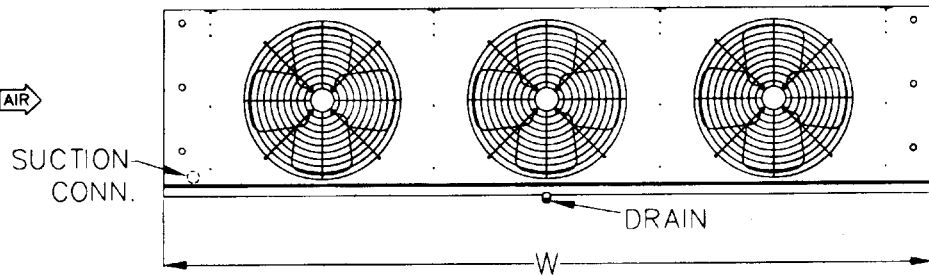
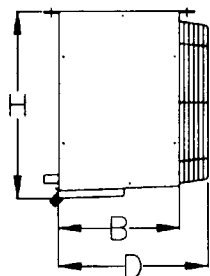
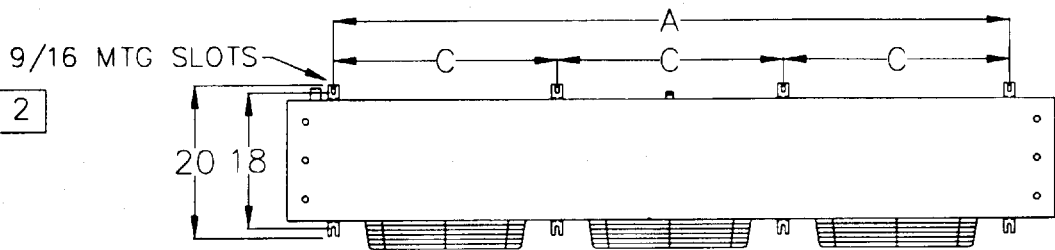


Fig. 2



For your convenience the diagram originally here is enlarged, and is now a separate page that can be found just prior to this page in the Adobe document.

PERFORMANCE DATA

4 F P I	MODEL	Capacity BTU/HR@ 10T.D.(1)			CFM (3)	Motors			Total Fan Motor Amps (4)		
		+40°F	+30°F(2)	+25°F(2)		QTY	H.P.	R.P.M.	115/1	230/1	460/1
	MSA-126	13700	13000	12600	3830	2	1/8	1050	4.0	1.8	0.9
	MSA-169	18300	17400	16900	3620	2	1/8	1050	4.0	1.8	0.9
	MSA-224	24300	23100	22400	5750	3	1/8	1050	6.0	2.7	1.4
	MSA-287	31100	29600	28700	5200	3	1/8	1050	6.0	2.7	1.4
	MSA-340	36900	35000	34000	5710	2	1/3	1075	14.2	6.4	2.6
	MSA-395	42900	40700	39500	5430	2	1/3	1075	14.2	6.4	2.6
	MSA-465	50500	47900	46500	8990	3	1/3	1075	21.3	9.6	3.9
	MSA-585	63500	60300	58500	8140	3	1/3	1075	21.3	9.6	3.9

1. Based on R-22.
2. Frosting conditions.
3. Unrestricted flow.
4. Motors are high efficiency PSC with built-in thermal overload protection.

DIMENSIONAL DATA

4 F P I	MODEL	Connections (in) (1)				Dimensions (in)							Refrig. Charge (lbs) (1)	Approx. Ship Weight (lbs)
		Suction O.D.	Liquid FN	Ext. Equal. O.D.	Drain MPT	Fig.	H	W	D	A	B	C		
	MSA-126	7/8	1/2	1/4	3/4	1	19	55	18-3/4	42	15	—	2.5	115
	MSA-169	7/8	1/2	1/4	3/4	1	19	55	18-3/4	42	15	—	3.4	130
	MSA-224	7/8	1/2	1/4	3/4	1	19	76	18-3/4	63	15	—	3.7	280
	MSA-287	1-1/8	1/2	1/4	3/4	1	19	76	18-3/4	63	15	—	6.1	310
	MSA-340	1-1/8	7/8	1/4	3/4	2	25	76	20	63	16	—	7.8	345
	MSA-395	1-1/8	7/8	1/4	3/4	2	25	76	20	63	16	—	8.4	375
	MSA-465	1-3/8	7/8	1/4	3/4	2	25	106	20	93	16	31	9.2	400
	MSA-585	1-3/8	7/8	1/4	3/4	2	25	106	20	93	16	31	13.7	505

Specifications, weights and dimensions subject to change without notice.

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