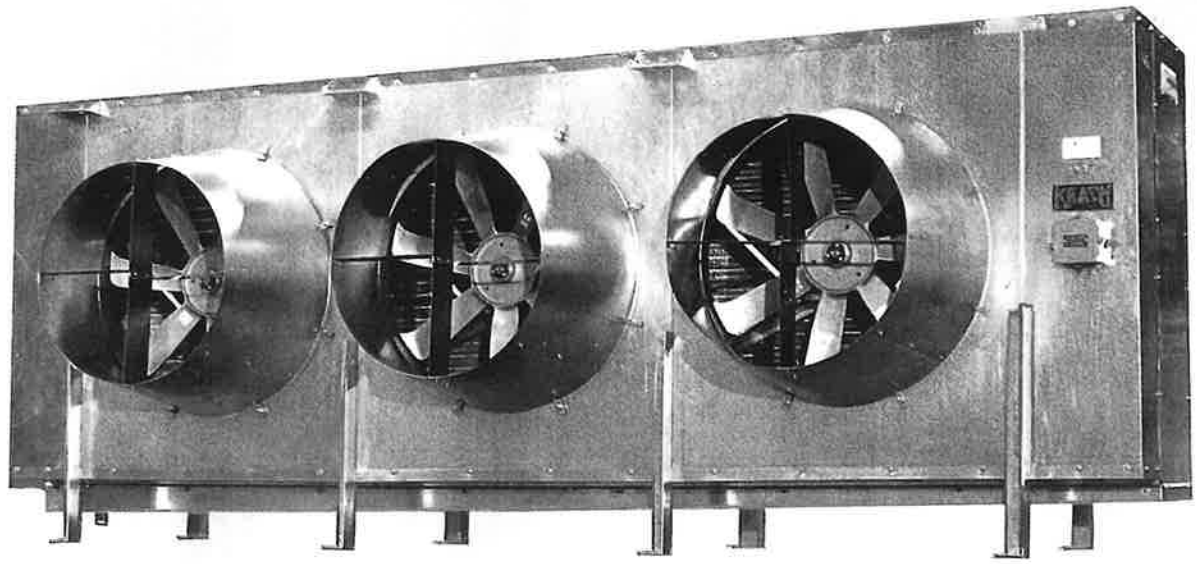
TWO FAN UNIT

MODEL	HP EACH	4 FINS/INCH 0" ESP BTUH/°TD	0" ESP CFM	¼" ESP BTUH/°TD	¼" ESP CFM	½" ESP BTUH/°TD	½" ESP CFM	3 FINS/INCH 0" ESP BTUH/°TD	0" ESP CFM	¼" ESP BTUH/°TD	¼" ESP CFM	½" ESP BTUH/°TD	½" ESP CFM
2S-446	1½	16280	27000					14740	27400				
2S-448		19360	25800					18040	26200				
2S-4410		22400	25200					21340	25800				
2L-446	2	17820	32400	16500	27800			16280	33000	15020	28400		
2L-448		21560	31600	20000	27000			20240	32200	18800	27600		
2L-4410		24860	31200	22880	26200			23620	31800	21740	26800		
2L-446	3	18700	33600	17180	30600	16280	27000	17020	33800	15620	31200	14800	27600
2L-448		22600	32800	21120	29600	19580	26200	21300	33400	19840	30200	18300	26800
2L-4410		25960	32200	24200	29200	22660	25600	24660	32800	22980	29800	21520	26200
2L-446	5	20240	41200	19360	37200	18260	32100	18420	42000	17620	37800	16620	33400
2L-448		25080	40000	23540	35800	22000	31800	23560	40800	22000	36400	20560	32800
2L-4410		28160	38600	26840	35000	25300	31400	26760	39400	25500	35600	24000	32200
2S-466	1½	17480	29000					16250	30400				
2S-468		20920	27800					20100	29200				
2S-4610		23920	27200					22960	28400				
2S-466	2	19080	35000	17480	29800			17700	36400	16350	31000		
2S-468		23220	34200	21400	29000			22200	35400	20540	30200		
2S-4610		26680	33800	24380	28000			25620	35000	23400	29200		
2L-466	3	19320	36600	18860	33600	17720	30600	17970	37800	17540	34800	16480	31800
2L-468		23920	35800	22760	32800	21400	29800	22960	36800	21840	34200	20540	31000
2L-4610		27140	34800	26220	32400	24600	29200	26050	35800	25180	33600	23620	30400
2L-466	5	22000	45000	21620	43600	20700	39600	20460	46800	20110	45400	19250	41200
2L-468		27600	44000	26220	41800	25300	38200	26500	45800	25180	43400	24280	39800
2L-4610		31060	42800	29900	40800	28660	37200	29820	44400	28700	42400	27510	38600
2S-486	1½	17280	27400					15720	28000				
2S-488		20400	26600					19080	27200				
2S-4810		23280	25800					22120	26400				
2L-486	2	18720	32600	17420	28400			17400	33200	15940	29000		
2L-488		22800	32000	20880	27600			21320	32600	19520	28200		
2L-4810		26400	31600	24000	27200			25080	32200	22800	27800		
2L-486	3	18960	34000	18240	30800	17280	27400	17260	34600	16600	31400	15720	28000
2L-488		23280	33200	22080	30400	20640	26800	21760	33800	20640	31000	19300	27400
2L-4810		26880	32600	25420	29600	23520	26000	25520	33200	24160	30200	22200	26600
2L-486	5	21360	41600	20160	38000	19000	34200	19440	42400	18340	38800	17260	34600
2L-488		26160	40200	24720	36600	23520	33400	24460	41000	23120	37400	22000	34000
2L-4810		29760	39000	28320	35600	26880	32600	28260	39800	26900	36400	25500	33200
2S-516	1½	18360	29800					17080	31000				
2S-518		22000	28800					20720	30000				
2S-5110		25300	28200					24280	29400				
2S-516	2	19840	35200	18600	30800			18450	36600	17300	32000		
2S-518		24300	34200	22560	29800			23080	37600	21660	31000		
2S-5110		27780	33400	25800	29200			26660	35800	24760	30400		
2L-516	3	20340	37000	19340	33800	18500	30200	18920	38400	17990	35000	17200	31600
2L-518		24800	36200	23560	33200	22560	29800	23300	37600	22620	34400	21660	31000
2L-5110		28520	35600	27280	32600	25800	29200	27380	37000	26200	33800	24760	30400
2L-516	5	23200	47200	22320	44200	21820	41200	21580	49000	20760	45800	20090	42800
2L-518		28760	46000	27520	43000	26540	37600	27600	47800	26420	44600	24580	41200
2L-5110		32740	45000	32040	42000	30260	38600	31420	46800	30960	43600	28300	40200

SHADED RATINGS FOR ROOM TEMPERATURE ABOVE +32°F TO PREVENT MOISTURE CARRYOVER

BASE MODEL	ROWS DEEP	TUBES HIGH	FACE AREA (SQ FT)	FANS NO-DIA	APPROX WEIGHT (lbs) STEEL	CU/AL	ALUM	COIL VOL (CU FT)	TOTAL SURFACE (SQ FT) 3FPI	4FPI	WATER DEFROST (GPM)	DIMENSIONS LENGTH × HEIGHT (IN)
446	6				3900	2400	2100	4.2	3166	3916	44	
448	8	22	44.0	2-36	4700	2700	2400	5.6	4220	5222	52	161 x 55
4410	10				5900	3100	2600	7.0	5276	6530	60	
466	6				4100	2600	2200	4.4	3324	4113	48	
468	8	28	46.2	2-42	5100	2900	2500	5.8	4431	5485	56	137 x 68
4610	10				6400	3300	2800	7.2	5539	6856	64	
486	6				4200	2600	2400	4.6	3454	4276	48	
488	8	24	48.0	2-36	5200	2900	2600	6.0	4604	5698	56	161 x 59
4810	10				6500	3200	2900	7.6	5756	7124	68	
516	6				4400	2600	2300	4.8	3561	4407	48	
518	8	30	49.5	2-42	5400	3100	2700	6.3	4746	5874	60	137 x 72
5110	10				6700	3500	3000	8.4	5934	7344	70	

FEATURES



Efficient Coil Design
Tubes are ¾ inch OD staggered in the direction of air flow. Turbo-spacers located between tubes provide nominal three or four fin per inch spacing and improve fin efficiency by turbulating air flow.

Materials of Construction
- Hot dipped galvanized steel tubes and fins.
- Aluminum tubes and fins.
- Copper tubes and aluminum fins.
- Coils are constructed and listed in accordance with Underwriters Laboratories Standards. Each coil is tested under water with 350 psig air.
- For maximum efficiency each coil is tailor made for its intended duty with the following features:
  - Recirculated coils have graduated liquid feed orifices to balance static head and reduce hot gas blow-by during defrost.
  - Direct expansion coils are circuited to have minimum pressure drop and maintain refrigerant velocity for oil return.
  - Flooded coils are circuited to minimize internal loses while maintaining minimum surge drum operating level.
- Coil variations available include:
  - Variable fin spacing: 1½/3 or 2/4 fins per inch.
  - Steel coils with brass distributor for direct expansion halocarbon.
  - Split face or split row circuiting.
- For aluminum coils companion steel flanges with bolts, isolation kits, and gaskets are provided.

Heavy Duty Construction
- Housings are mill galvanized steel for long life and maximum strength.
  - Features include:
    - Continuous tube sheets provide maximum rigidity.
    - Deep spun orifices insure optimum fan performance.
    - Individually compartmented fans prevent reverse fan rotation and allows fan cycling for capacity control which reduces operating costs.

Efficient Fans
- All fans are cast aluminum selected for maximum efficiency with non-overloading performance.
- Selections are given for 870, 1160 and 1750 rpm operation.
- Fan guards are PVC coated for long life.

Heavy Duty Motors
- Standard motors are open drip proof, lubricated for −40°F ambient operating at 870, 1160 or 1750 rpm.
- All motors wired to terminal strip in a common NEMA 4 junction box on the end opposite refrigerant connections.

Air Defrost
(above +36°F room temperature)
- Units should be selected at low face velocities using the shaded ratings on the capacity data tables to prevent moisture carry-over if the liquid solenoid valve cycles.
- Drain pan is aluminum for long life and corrosion protection. Foamed-in-place urethane insulation and a mill galvanized steel cover is optional.

Hot Gas Defrost Unit
(below +32°F room temperature)
- The unique "waffle" stainless steel drain pan allows for the fastest hot gas defrost available. The design assures maximum pan heat in minimum time.
- Drain pan includes foamed-in-place urethane insulation with a mill galvanized steel cover.
- Interconnecting piping and check valve between the drain pan and coil is factory installed.

Hot Gas Defrost Coil Only
(above +33°F room temperature)
- Hot gas defrost for the coil with an unheated aluminum drain pan.
- Optional foamed-in-place urethane insulation with a mill galvanized steel cover is available.

Water Defrost
(to −20°F room temperature)
- A water distribution pan mounted above each coil section provides full coverage of the entire finned surface. Inlet water temperature should not exceed 60°F. Water pans are removable from the back of the unit. Overall height is increased 5 inches.
- Drain pan is aluminum for long life and furnished with an oversized horizontal drain connection.

Electric Defrost
See page 18.