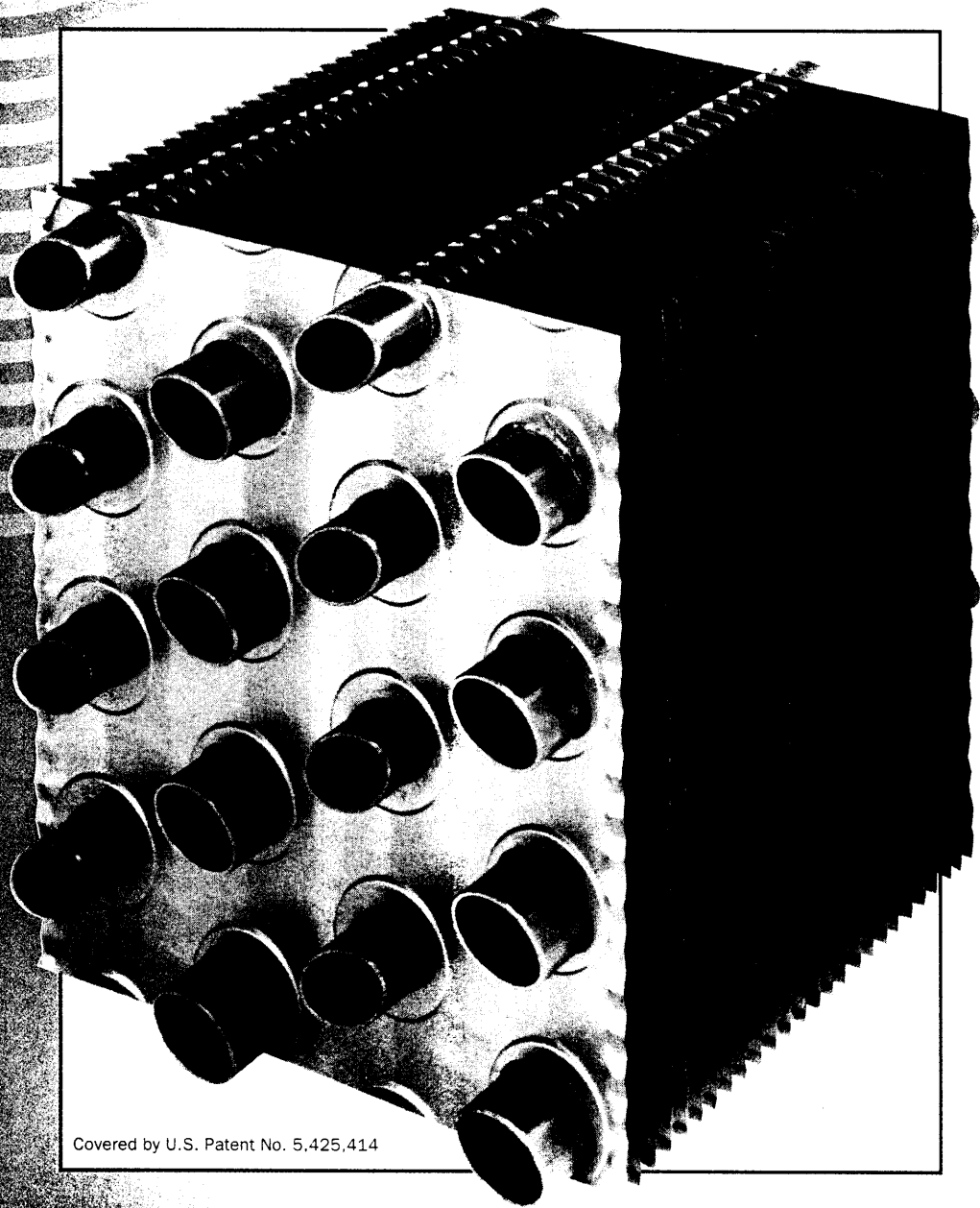




Bulletin 410-B
60 Hertz

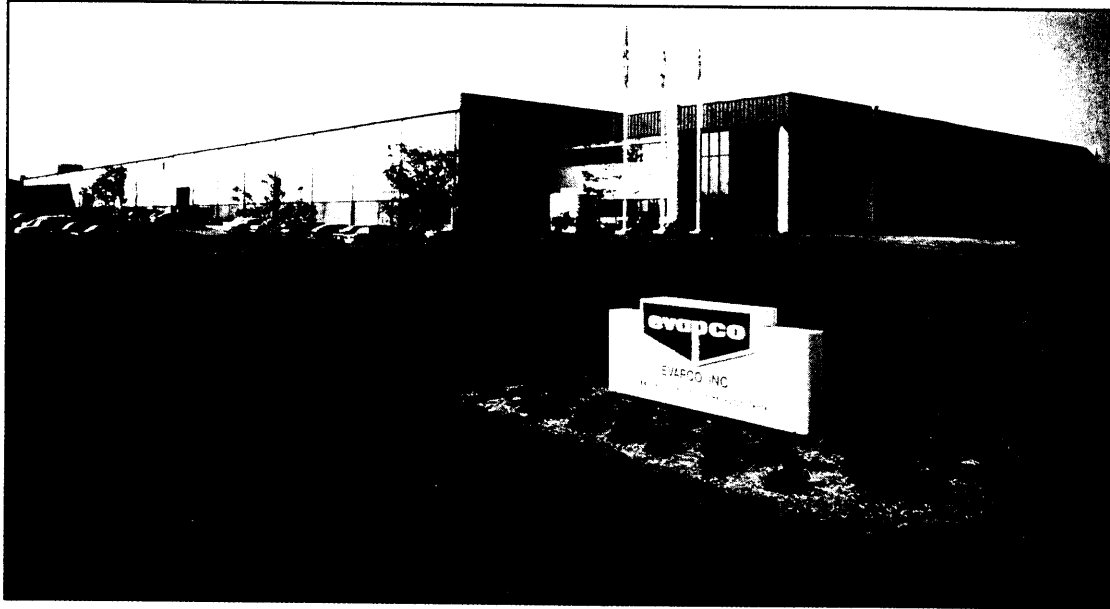
Industrial Evaporators



Covered by U.S. Patent No. 5,425,414

QUICK PICKTM
C A T A L O G

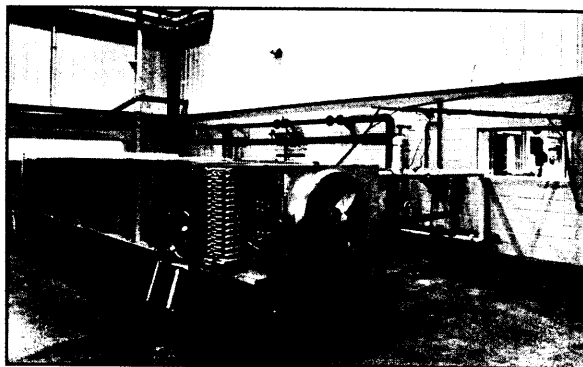
EVAPCO®...The Industry Leader



Worldwide Corporate Headquarters

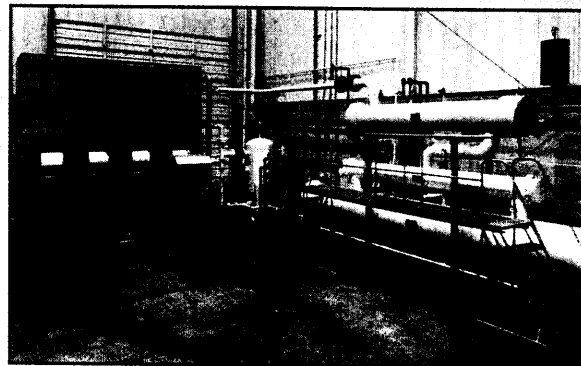
EVAPCO® Inc was founded in 1976 in Baltimore, Maryland with one manufacturing facility - principally as a manufacturer of evaporative condensers. Over its 20 year history, EVAPCO has broadened its product lines to include various design styles of evaporative condensers, closed circuit fluid coolers, cooling towers, industrial evaporators, recirculation and transfer systems, heat exchangers, and pressure vessels. EVAPCO products are now manufactured in twelve facilities worldwide with its headquarters in Taneytown, Maryland.

Fundamental to EVAPCO's success and continued growth are its people. The company's Engineering, Marketing, and Manufacturing team consists of a highly experienced group of people ready to accept the many challenges that exist in today's market. Evapco's experience and commitment to excellence has provided years of continual product improvement, development of new products, and unmatched customer service.



EVAPCO's Advanced Testing Facility

EVAPCO has renewed its commitment to the industrial refrigeration industry with the introduction of a full line of industrial evaporators in 1993. This line of evaporators incorporates EVAPCO's unique and patented Thermal-Pak Finned Coil design - the result of a comprehensive research and development program. Extensive research programs and experienced engineering personnel pioneering new, innovative product designs and features has become the hallmark of EVAPCO and a key factor of the company's success. This combination of research and people has led to the development of over 25 industry related U.S. patents and their foreign counterparts.



EVAPCO's Ammonia Refrigeration Laboratory

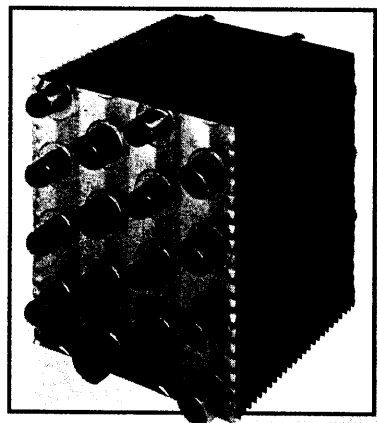
EVAPCO's leadership in product design and quality continues today in its state-of-the-art Research Center located in Taneytown, Maryland. This facility is among the largest of its type in the evaporative cooling and refrigeration industry, and is the most advanced. The ammonia test chamber is capable of testing up to 700 tons under a variety of controlled environmental conditions. This facility has and will continue to project EVAPCO into the forefront of industrial refrigeration product design and innovation. Behind all EVAPCO products is an energetic work force dedicated to providing customers with the highest quality products available to the industry.

EVAPCO Evaporators

Proven performance resulting in:

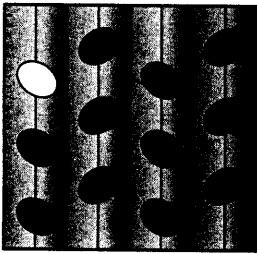
- Lower Horsepower
- Greater Capacity
- Compact Design
- Thermal Performance Guaranteed.
- Highest Tube-to-Fin Surface Area Ratio in the Industry for Increased Efficiency and Quicker Defrosts.
- 0.060 Inch Tube Wall Thickness for Increased Coil Life, (Up to 90% Greater Wall Thickness Than Other Manufacturers).
- Entire Coil Designed to Meet the Strength Requirements of ASME/ANSI B31.5. Pressure Tested Under Water to 350 PSIG.
- Charged with Nitrogen Prior to Shipment to Prevent Entry of Moisture and Contamination.
- Improved Clean Tube and Fin Pattern Ideal for Food Freezing Applications.

featuring the
**Exclusive
Thermal-Pak®
Finned Coil**

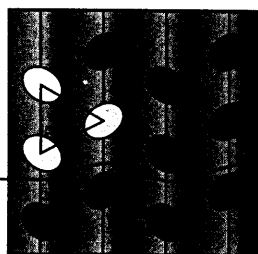


Covered by U.S. Patent No. 5,425,414

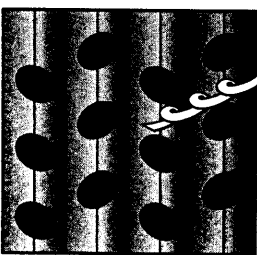
Innovative Features



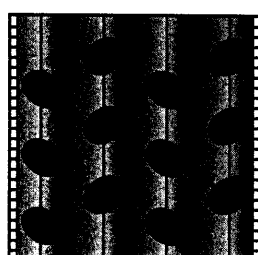
Elliptical Tube
The elliptical tube design, utilizing the heaviest wall in the industry, allows for a closer tube spacing and a better contact of air over the tube at a reduced air side pressure drop increasing heat transfer efficiency.



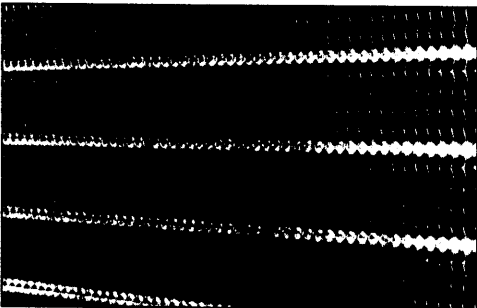
Delta Design
The "Delta Design" signifies EVAPCO's tube geometry and orientation. This arrangement gives greater capacity and air turbulence while not imposing a severe penalty in air pressure drop. In addition, the "Delta Design" allows for a greater amount of coil surface area in a smaller plan area.



Rippled Fin
The rippled fin provides greater air turbulence, which increases the effectiveness of the finned surface.



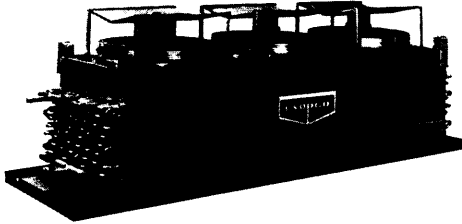
Crimped Edge
The "Thermal-Pak® Finned Coil" incorporates a crimped edge on both the entering air and leaving air sides of the coil. The crimped fin edge provides for added structural rigidity and improves air entry.



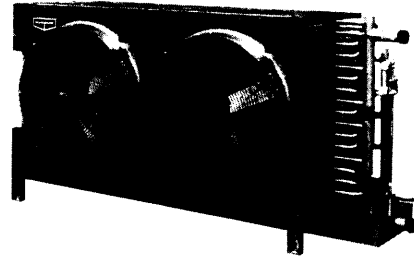
Clean Tube and Fin Pattern
EVAPCO's "Clean Tube and Fin Pattern" incorporates a crimped fin edge to achieve a more uniform coil face. The crimped edge gives added structural rigidity throughout the entire length of the coil that is maintained after the galvanizing process. The consistent fin configuration allows for a more uniform frost build pattern which reduces air side pressure drop increasing airflow and capacity.

QUICK PICK EVAPORATOR CATALOG

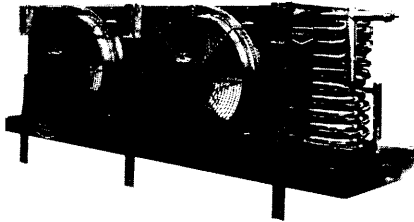
This catalog contains specific models covering a broad capacity range from the four product lines shown below. For project applications or special needs outside the parameters of this catalog, please call your area representative or the factory, for fast and accurate computerized selections using Evapco's exclusive Electronic Catalog™.



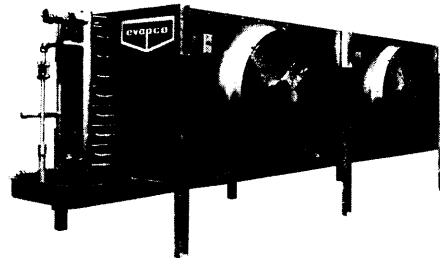
NTW:
Low Air Velocity
Coolers for
Process Room
Applications



NTM:
Medium Size
Freezers
and Coolers



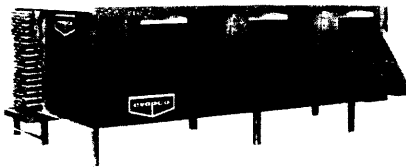
NTX:
Small to Medium
Size Coolers and
Dock Units



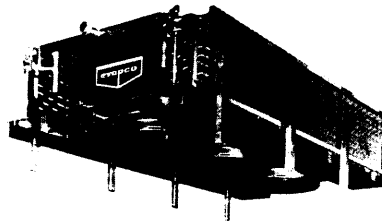
NTL:
Large Size
Freezers
and Coolers

Custom Capabilities

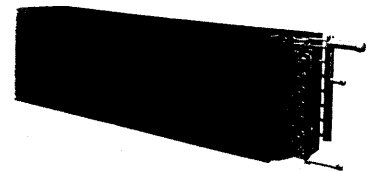
Evapco offers a broad range of other unit styles and special designs which also incorporate the patented Thermal-Pak finned coil design. Evapco has the engineering and manufacturing capability to design and build virtually any type of custom coil. We welcome the opportunity to meet with you and discuss your custom coil applications – please call your area representative or the factory for assistance.



NTC:
Centrifugal Fan Product Freezers and Coolers

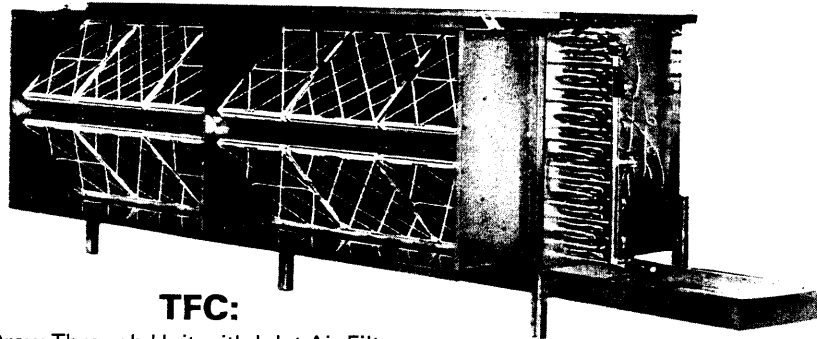


TFC:
Low Profile Evaporator

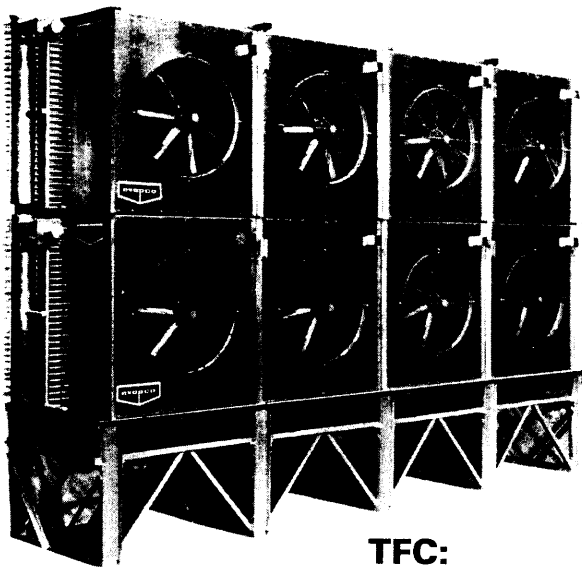


TFC:
Custom Coil

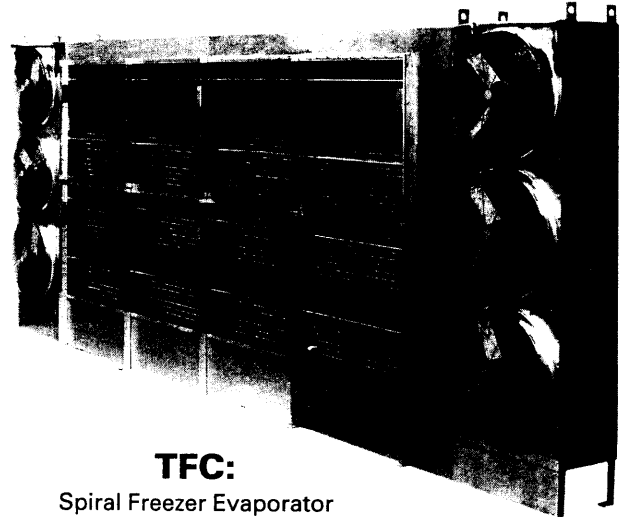
Custom Capabilities



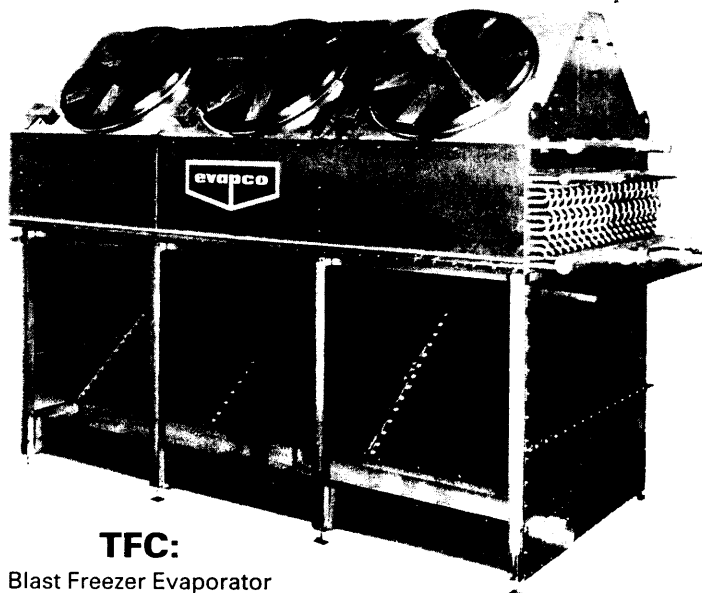
TFC:
Draw Through Unit with Inlet Air Filters



TFC:
Stacked Blast Freezer Evaporator



TFC:
Spiral Freezer Evaporator



TFC:
Blast Freezer Evaporator

Standard Construction Features

Heavy Wall Coil

All EVAPCO Evaporators feature the Thermal-Pak® Finned Coil. The coil is made of a heavy wall elliptical steel tube that is hot dip galvanized. The tube wall thickness is the heaviest in the industry and the entire coil is designed to meet the strength requirements of ASME/ANSI B31.5. All coils are charged with nitrogen prior to shipment to prevent entry of moisture and contamination.

Unit Housings

All NTX, NTM, and NTL units are furnished with heavy gauge G235 galvanized steel housings. All NTW units have Type 304 stainless steel housings as standard. All evaporators have individually compartmentalized fan sections to prevent air bypass and allow fan cycling.

Drain Pan

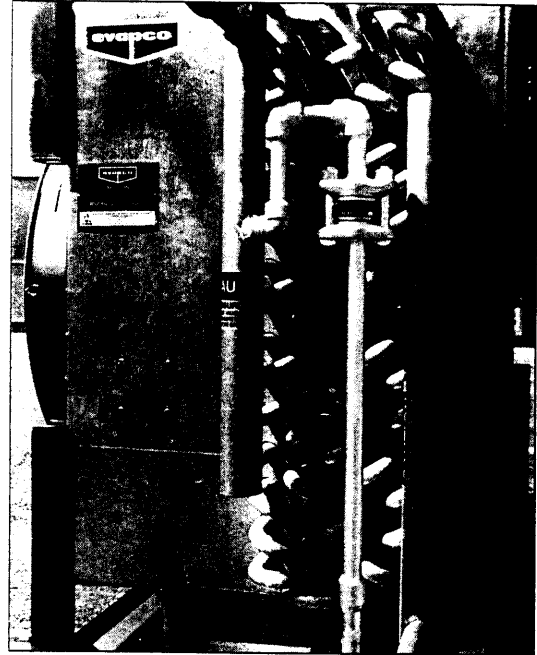
All evaporators are provided with insulated drain pans as standard. Drain pans are constructed of G235 mill galvanized steel and are insulated with polyurethane foam. EVAPCO's advanced design drain pan assures complete drainage with superior corrosion resistance.

Fans

Direct drive axial fans are constructed of heavy duty sheet metal for the NTW and NTX models and cast aluminum for the NTM and NTL models. Fan screens are heavy duty PVC coated and conform to all OSHA requirements.

Motors

All evaporators are supplied with totally enclosed air over (TEAO) fan motors with sealed bearings and low temperature grease. Motors for NTW and NTX models are provided with internal overload protection and are not prewired. Motors for NTM and NTL models are individually prewired to NEMA 4X junction boxes. All NTM and NTL units feature a heavy duty pipe motor mount that reduces vibration and improves air flow.



Heavy Wall Coil w/Nitrogen Charge

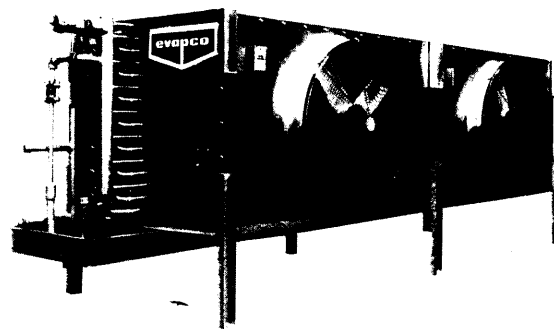


Cast Aluminum Fans, TEAO Fan Motors,
Pipe Motor Mount

Optional Features

Defrost Arrangements

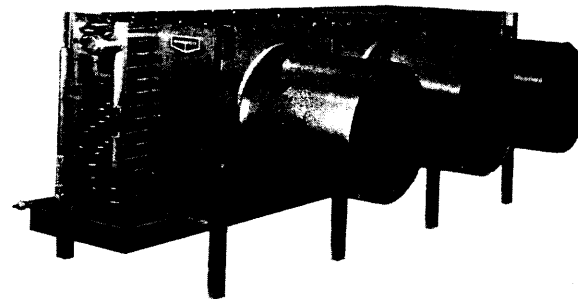
- Air Defrost
- Hot Gas Coil Only
- Hot Gas Coil and Pan with Pan Coil Check Valve Prepped at the Factory
- Water Defrost



Unit with Hot Gas Coil and Pan

Air Discharge Arrangements (NTM/NTL Models)

- Long Throw Adapters
- 45 Degree Downblow Units
- 90 Degree Downblow Penthouse Units



Long Throw Adapters

Materials of Construction

- G235 Galvanized Steel Housings (Offered on NTW Units at a Reduced Cost)
- Type 304 Stainless Steel Drain Pan Cover
- Complete Type 304 Stainless Steel Casings

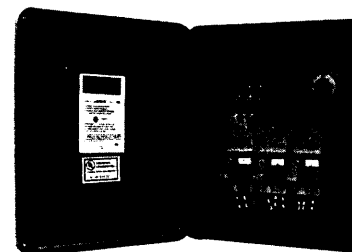


90° Downblow Penthouse Unit

Electrical Prewiring

All the following options provide for single point line connection and include manual motor starters on all NTM/NTL units for thermal protection of each motor.

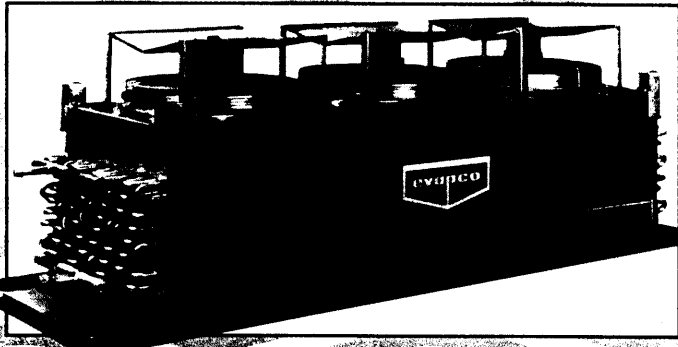
- Motors Prewired to NEMA 4X Junction Box(es) with a Common NEMA 4X Junction Box
- Motors Prewired to NEMA 4X Junction Box(es) with a Common NEMA 4X Fused Disconnect
- Motors Prewired to NEMA 4X Junction Box(es) with a Common NEMA 4X Fused Disconnect and Magnetic Starter



Prewired Motors w/Common NEMA 4X Fused Disconnect

NTW Models

Low Air Velocity Coolers for Process Room Applications



Standard Construction Features:

- Type 304 Stainless Steel Housing
- Heavy-Duty Sheet Metal Fan Blades
- Heavy Wall Galvanized Steel Coil
- Totally Enclosed Fan Motors with Internal Overload Protection
- Heavy-Duty PVC Coated Fan Screens
- Individually Compartmentalized Fan Sections
- Advanced Design Insulated Drain Pan with Stainless Steel Pan Cover
- Removable Side Panels for Easy Access
- Rugged Air Deflector Provides 360° Air Discharge Pattern

Unit No. Ext. Base Unit No.	033P (1/3 Hp) or 050P (1/2 Hp)					No. Mtrs	Coil Vol. (ft ³)	Shipping Wt.(lb)	Dimensions (in)*		
	Frosted Coil BTUH/TD	Wet Coil BTUH/TD	CFM	Hp	dBA				L	W	H
	NTW2-2100-N	4482	4930	6278	1/3						
NTW2-2300-N	5456	6002	7732	1/2	71	2	2.06	1470	87	32	39-1/8
NTW2-2500-N	6548	7204	9524	1/2	75	2	2.40	1648	87	36-3/4	39-1/8
NTW2-2700-N	7174	7892	10052	1/2	75	2	2.74	1827	87	41-1/2	39-1/8
NTW3-2300-N	8184	9003	11598	1/2	72	3	3.09	2087	120	32	39-1/8
NTW3-2500-N	9822	10806	14286	1/2	76	3	3.60	2346	120	36-3/4	39-1/8
NTW3-2700-N	10761	11838	15078	1/2	76	3	4.11	2603	120	41-1/2	39-1/8
NTW4-2300-N	10912	12004	15464	1/2	73	4	4.12	2703	153	32	39-1/8
NTW4-2500-N	13096	14408	19048	1/2	77	4	4.80	3042	153	36-3/4	39-1/8
NTW4-2700-N	14348	15784	20104	1/2	77	4	5.48	3379	153	41-1/2	39-1/8
NTW5-2500-N	16370	18010	23810	1/2	78	5	6.00	3739	186	36-3/4	39-1/8
NTW5-2700-N	17935	19730	25130	1/2	78	5	6.85	4155	186	41-1/2	39-1/8
NTW6-2500-N	19644	21612	28572	1/2	78	6	7.20	4435	219	36-3/4	39-1/8
NTW6-2700-N	21522	23676	30156	1/2	78	6	8.22	4933	219	41-1/2	39-1/8

To select a model, first determine the units basic rating:

$$\text{Basic Rating} = \text{Unit Load (in BTUH)} \div \text{TD (TD = Room Temperature minus Evaporator Saturated Suction Temperature)}$$

When ordering, the unit is to be considered frosted or wet. Frosted coil ratings are for coil temperatures below 28° F, wet coil ratings are for coil temperatures 28° F and higher, with face velocities limited to 625 FPM or less.

For applications where light or no frosting is expected, select a unit with wide fin spacing. For applications where light or no frosting is expected, select either wide or narrow fin spacing in the wet coil capacity table. Note: All Quick-Flick NTW units have narrow fin spacing only with face velocities

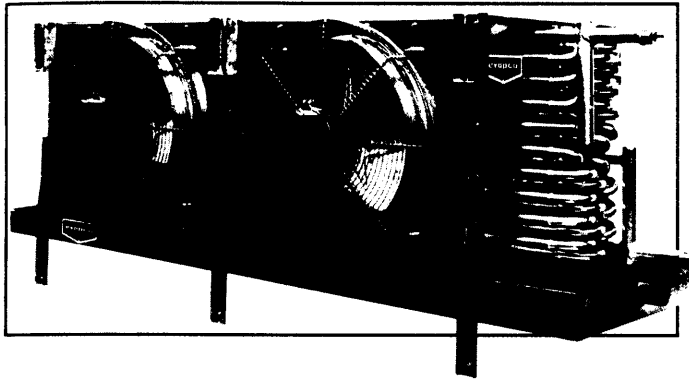
For the NTM and NTL products, capacities for 1/2" ESP are shown in the shaded boxes. All other capacities are for 0" ESP.

To make a unit selection, use the above information to scan down and/or across the capacity tables to find a unit that meets or exceeds the required basic rating (BTUH/TD). When ordering, add the unit number extension shown at the top of each capacity table to the base unit number, in order to reflect the unit fan horsepower (and ESP for some NTM and NTL units). A correct unit model number is:

NTW2-2100N-033P (This unit has a basic frosted rating of 4482 BTUH/TD with (2) 1/3 Hp fan motors)

NTX Models

Small to Medium Size Coolers and Dock Units



Standard Construction Features:

- Heavy Gauge G-235 Galvanized Steel Housing
- Heavy-Duty Sheet Metal Fan Blades
- Heavy Wall Galvanized Steel Coil
- Totally Enclosed Fan Motors with Internal Overload Protection
- Heavy-Duty PVC Coated Fan Screens
- Individually Compartmentalized Fan Sections
- Advanced Design Insulated Drain Pan

Unit No. Ext. Base Unit No.	033P (1/3 Hp) or 050P (1/2 Hp)					050L (1/2 Hp)			075L (3/4 Hp)			No. Mtrs	Coil Vol. (ft ³)	Shipping Wt. (lb)	Dimensions (in)*		
	Frosted Coil	Wet Coil				Frosted Coil			Frosted Coil						L	W	H
	BTUH/TD	BTUH/TD	Hp	CFM	dBA	BTUH/TD	CFM	dBA	BTUH/TD	CFM	dBA						
NTX2-2100-N	4614	5074	1/3	6626	71	4934	7550	71	5040	7888	72	2	1.70	1287	86	40	33-3/4
NTX2-2300-N	5586	6144	1/3	8084	75	6058	9494	76	6396	10618	77	2	2.06	1420	86	40	38-1/2
NTX2-2500-N	6474	7122	1/2	9326	76	6730	10044	76	7198	11506	77	2	2.40	1562	86	40	43-1/4
NTX2-2700-N	7484	8232	1/3	10888	79	7866	12002	79	8428	13814	80	2	2.74	1687	86	40	48
NTX3-2300-N	8379	9216	1/3	12126	76	9087	14241	77	9594	15927	78	3	3.09	2018	119	40	38-1/2
NTX3-2500-N	9711	10683	1/2	13989	77	10095	15066	77	10797	17259	78	3	3.60	2226	119	40	43-1/4
NTX3-2700-N	11226	12348	1/3	16332	80	11799	18003	80	12642	20721	81	3	4.11	2410	119	40	48
NTX4-2300-N	11172	12288	1/3	16168	77	12116	18988	78	12792	21236	79	4	4.12	2616	152	40	38-1/2
NTX4-2500-N	12948	14244	1/2	18652	78	13460	20088	78	14396	23012	79	4	4.80	2890	152	40	43-1/4
NTX4-2700-N	14968	16464	1/3	21776	81	15732	24004	81	16856	27628	82	4	5.48	3132	152	40	48
NTX5-2500-N	16185	17805	1/2	23315	79	16825	25110	79	17995	28765	80	5	6.00	3554	185	40	43-1/4
NTX5-2700-N	18710	20580	1/3	27220	82	19665	30005	82	21070	34535	83	5	6.85	3855	185	40	48
NTX6-2500-N	19422	21366	1/2	27978	79	20190	30132	79	21594	34518	80	6	7.20	4219	218	40	43-1/4
NTX6-2700-N	22452	24696	1/3	32664	82	23598	36006	82	25284	41442	83	6	8.22	4577	218	40	48

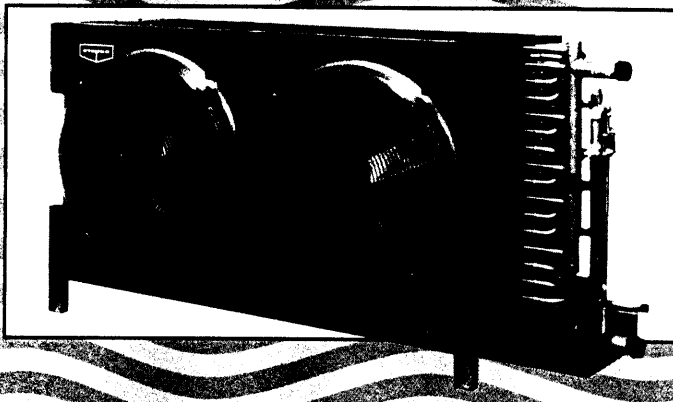
* For water defrost add approximately 5" to height.

Application Notes:

- All ratings are based on sensible heat removal, using liquid recirculation or flooded feed with R717 or R22, and do not include fan motor heat.
- All wet coil ratings have face velocities limited to 625 FPM or less.
- Consult your area representative or the factory for unit selections using alternate refrigerants, brines, thermal expansion feed, and/or variable fin spacing.
- Noise levels (in dBA) are based on the fan manufacturers data. Actual unit sound levels may vary due to the number of units, unit location, or physical environment.
- NTW and NTX units are not suitable for applications with heavy frosting.
- When locating units near walls or obstructions, allow a minimum distance away from the wall equal to or greater than the unit height.
- Fan motors for all units are 230 or 460 volt, 3 phase, 60 hertz - please specify voltage when ordering. All motors are 1200 RPM.
- See page 7 for optional unit features - please specify when ordering.

NTM Models

Medium Size Pumps and Coolers



Standard Construction Features:

- Heavy Gauge G-235 Galvanized Steel Housing
- Heavy-Duty Cast Aluminum Fan Blades
- Heavy Wall Galvanized Steel Coil
- Totally Enclosed Fan Motors Prewired to NEMA 4X Junction Boxes
- Heavy-Duty PVC Coated Fan Screens
- Individually Compartmentalized Fan Sections
- Advanced Design Insulated Drain Pan
- Rigid Hot Dip Galvanized Steel Pipe Motor Mounts

Unit No. Ext.	100P (1 Hp) or 150P (1.5 Hp)					200L (2 Hp, 0" ESP)		200L-1/2 (2 Hp, 1/2" ESP)		
	Frosted Coil BTUH/TD	Wet Coil BTUH/TD	Hp	CFM	dBA	Frosted Coil BTUH/TD	CFM	Frosted Coil BTUH/TD	CFM	dBA
WIDE FIN SPACING										
NTM1-2700-W	5906	6409	1	7919	79	7207	11529	5906	7918	82
NTM1-2900-W	6499	7052	1	8564	79	8042	12753	6810	9305	84
NTM1-3100-W	7297	7917	1	9688	79	8691	13423	7352	9814	84
NTM1-3300-W	7967	8644	1.5	10522	83	9769	15399	7992	10573	85
NTM2-2700-W	11812	12818	1	15838	82	14414	23058	11812	15836	85
NTM2-2900-W	12998	14104	1	17128	82	16084	25506	13620	18610	87
NTM2-3100-W	14594	15834	1	19376	82	17382	26846	14704	19628	87
NTM2-3300-W	15934	17288	1.5	21044	86	19538	30798	15984	21146	88
NTM3-2700-W	17718	19227	1	23757	83	21621	34587	17718	23754	86
NTM3-2900-W	19497	21156	1	25692	83	24126	38259	20430	27915	88
NTM3-3100-W	21891	23751	1	29064	83	26073	40269	22056	29442	88
NTM3-3300-W	23901	25932	1.5	31566	87	29307	46197	23976	31719	89
NTM4-2900-W	25996	28208	1	34256	84	32168	51012	27240	37220	89
NTM4-3100-W	29188	31668	1	38752	84	34764	53692	29408	39256	89
NTM4-3300-W	31868	34576	1.5	42088	88	39076	61596	31968	42292	90
NTM5-2900-W	32495	35260	1	42820	84	40210	63765	34050	46525	89
NTM5-3100-W	36485	39585	1	48440	84	43455	67115	36760	49070	89
NTM5-3300-W	39835	43220	1.5	52610	88	48845	76995	39960	52865	90
NARROW FIN SPACING										
NTM1-2700-N	6418	6964	1	7881	79	7657	10832	6192	7411	82
NTM1-2900-N	7236	7851	1	8892	79	8573	12069	7183	8778	84
NTM1-3100-N	8047	8731	1.5	9894	81	9277	12758	7760	9308	84
NTM1-3300-N	8748	9492	1.5	10678	83	10371	14476	8380	9929	85
NTM2-2700-N	12836	13928	1	15762	82	15314	21664	12384	14822	85
NTM2-2900-N	14472	15702	1	17784	82	17146	24138	14366	17566	87
NTM2-3100-N	16094	17462	1.5	19788	84	18554	25516	15520	18616	87
NTM2-3300-N	17496	18984	1.5	21356	86	20742	28952	16760	19858	88
NTM3-2700-N	19254	20892	1	23643	83	22971	32496	18576	22233	86
NTM3-2900-N	21708	23553	1	26676	83	25719	36207	21549	26334	88
NTM3-3100-N	24141	26193	1.5	29682	85	27831	38274	23280	27924	88
NTM3-3300-N	26244	28476	1.5	32034	87	31113	43428	25140	29787	89
NTM4-2900-N	28944	31404	1	35568	84	34292	48276	28732	35112	89
NTM4-3100-N	32188	34924	1.5	39576	86	37108	51032	31040	37232	89
NTM4-3300-N	34992	37968	1.5	42712	88	41484	57904	33520	39716	90
NTM5-2900-N	36180	39255	1	44460	84	42865	60345	35915	43890	89
NTM5-3100-N	40235	43655	1.5	49470	86	46385	63790	38800	46540	89
NTM5-3300-N	43740	47460	1.5	53390	88	51855	72380	41900	49645	90



Selection & Application Notes:

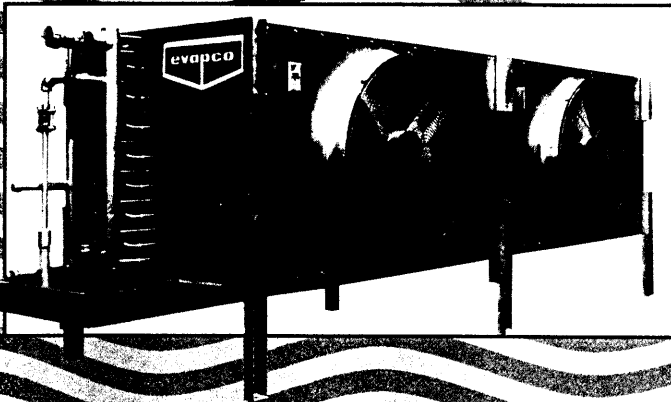
- To make a unit selection, refer to the procedures shown on page 8. Then scan down and/or across the capacity tables to find a unit that meets or exceeds the required basic rating (BTUH/TD). When ordering, add the unit number extension shown at the top of each capacity table to the base unit number in order to reflect the unit fan horsepower (and ESP for some NTM and NTL units). A correct unit model number is: **NTM1-2700W-100P** (This unit has a basic frosted rating of 5906 BTUH/TD with (1) 1 Hp fan motor)
- All ratings are based on sensible heat removal, using liquid recirculation or flooded feed with R717 or R22, and do not include fan motor heat.
- All wet coil ratings have face velocities limited to 625 FPM or less.
- Consult your area representative or the factory for unit selections using alternate refrigerants, brines, thermal expansion feed, and/or variable fin spacing.
- Noise levels (in dBA) are based on the fan manufacturers data. Actual unit sound levels may vary due to the number of units, unit location, or physical environment.
- When locating units near walls or obstructions, allow a minimum distance away from the wall equal to or greater than the unit height.
- Fan motors for all units are 230 or 460 volt, 3 phase, 60 hertz - please specify voltage when ordering. All motors are 1200 RPM.
- See page 7 for optional unit features - please specify when ordering.

Unit No. Ext.	300L (3 Hp, 0" ESP)		300L-1/2 (3 Hp, 1/2" ESP)			No. Mtrs	Coil Vol. (ft ³)	Shipping Wt. (lb)	Dimensions (in) ^a L x W x H
	Frosted Coil BTUH/TD	CFM	Frosted Coil BTUH/TD	CFM	dBA				
Base Unit No.	BTUH/TD	CFM	BTUH/TD	CFM	dBA				
WIDE FIN SPACING									
NTM1-2700-W	7726	13290	6850	10427	82	1	2.65	1459	75 x 48-5/8 x 52-1/4
NTM1-2900-W	8477	14193	7190	10288	84	1	2.99	1567	75 x 48-5/8 x 57
NTM1-3100-W	9219	15085	7821	10986	84	1	3.32	1674	75 x 48-5/8 x 61-3/4
NTM1-3300-W	10170	16705	8673	12263	86	1	3.65	1782	75 x 48-5/8 x 66-1/2
NTM2-2700-W	15452	26580	13700	20854	85	2	5.30	2633	123 x 48-5/8 x 52-1/4
NTM2-2900-W	16954	28386	14380	20576	87	2	5.98	2839	123 x 48-5/8 x 57
NTM2-3100-W	18438	30170	15642	21972	87	2	6.64	3045	123 x 48-5/8 x 61-3/4
NTM2-3300-W	20340	33410	17346	24526	89	2	7.30	3252	123 x 48-5/8 x 66-1/2
NTM3-2700-W	23178	39870	20550	31281	86	3	7.95	3807	171 x 48-5/8 x 52-1/4/486
NTM3-2900-W	25431	42579	21570	30864	88	3	8.97	4112	171 x 48-5/8 x 57
NTM3-3100-W	27657	45255	23463	32958	88	3	9.96	4416	171 x 48-5/8 x 61-3/4
NTM3-3300-W	30510	50115	26019	36789	90	3	10.95	4723	171 x 48-5/8 x 66-1/2
NTM4-2900-W	33908	56772	28760	41152	89	4	11.96	5384	219 x 48-5/8 x 57
NTM4-3100-W	36876	60340	31284	43944	89	4	13.28	5787	219 x 48-5/8 x 61-3/4
NTM4-3300-W	40680	66820	34692	49052	91	4	14.60	6193	219 x 48-5/8 x 66-1/2
NTM5-2900-W	42385	70965	35950	51140	89	5	14.95	6657	267 x 48-5/8 x 57
NTM5-3100-W	46095	75425	39105	54930	89	5	16.60	7159	267 x 48-5/8 x 61-3/4
NTM5-3300-W	50850	83525	43365	61315	91	5	18.25	7663	267 x 48-5/8 x 66-1/2
NARROW FIN SPACING									
NTM1-2700-N	8244	12517	7262	9806	82	1	2.65	1571	75 x 48-5/8 x 52-1/4
NTM1-2900-N	8999	13252	7550	9576	84	1	2.99	1692	75 x 48-5/8 x 57
NTM1-3100-N	9807	14183	8223	10273	84	1	3.32	1813	75 x 48-5/8 x 61-3/4
NTM1-3300-N	10819	15695	9133	11497	86	1	3.65	1935	75 x 48-5/8 x 66-1/2
NTM2-2700-N	16488	25034	14524	19612	85	2	5.30	2856	123 x 48-5/8 x 52-1/4
NTM2-2900-N	17998	26504	15100	19152	87	2	5.98	3090	123 x 48-5/8 x 57
NTM2-3100-N	19614	28366	16446	20546	87	2	6.64	3324	123 x 48-5/8 x 61-3/4
NTM2-3300-N	21638	31390	18266	22994	89	2	7.30	3559	123 x 48-5/8 x 66-1/2
NTM3-2700-N	24732	37551	21786	29418	86	3	7.95	4142	171 x 48-5/8 x 52-1/4
NTM3-2900-N	26997	39756	22650	28728	88	3	8.97	4488	171 x 48-5/8 x 57
NTM3-3100-N	29421	42549	24669	30819	88	3	9.96	4834	171 x 48-5/8 x 61-3/4
NTM3-3300-N	32457	47085	27399	34491	90	3	10.95	5182	171 x 48-5/8 x 66-1/2
NTM4-2900-N	35996	53008	30200	38304	89	4	11.96	5886	219 x 48-5/8 x 57
NTM4-3100-N	39228	56732	32892	41092	89	4	13.28	6345	219 x 48-5/8 x 61-3/4
NTM4-3300-N	43276	62780	36532	45988	91	4	14.60	6806	219 x 48-5/8 x 66-1/2
NTM5-2900-N	44995	66260	37750	47880	89	5	14.95	7284	267 x 48-5/8 x 57
NTM5-3100-N	49035	70915	41115	51365	89	5	16.60	7855	267 x 48-5/8 x 61-3/4
NTM5-3300-N	54095	78475	45665	57485	91	5	18.25	8430	267 x 48-5/8 x 66-1/2

* For water defrost add approximately 5" to height.

Alt Models

Model 2700-3500



Standard Construction Features:

- Heavy Gauge G-235 Galvanized Steel Housing
- Heavy-Duty Cast Aluminum Fan Blades
- Heavy Wall Galvanized Steel Coil
- Totally Enclosed Fan Motors Prewired to NEMA 4X Junction Boxes
- Heavy-Duty PVC Coated Fan Screens
- Individually Compartmentalized Fan Sections
- Advanced Design Insulated Drain Pan
- Rigid Hot Dip Galvanized Steel Pipe Motor Mounts

Unit No. Ext.	150P (1.5 Hp) or 200P (2 Hp)					300L (3 Hp, 0" ESP)		300L-1/2 (3 Hp, 1/2" ESP)		
	Frosted Coil BTUH/TD	Wet Coil BTUH/TD	Hp	CFM	dBA	Frosted Coil BTUH/TD	CFM	Frosted Coil BTUH/TD	CFM	dBA
WIDE FIN SPACING										
NTL2-2700-W	16362	17754	1.5	21782	83	19634	30656	17468	24538	84
NTL2-2900-W	17928	19452	1.5	23430	85	21852	33772	18552	24862	86
NTL2-3100-W	20500	22242	1.5	27360	86	23510	35226	19954	26078	86
NTL2-3300-W	21838	23694	1.5	28442	87	25996	39138	22092	29026	88
NTL2-3500-W	24620	26712	1.5	32884	87	27574	40468	23386	30072	88
NTL3-3100-W	30750	33363	1.5	41040	87	35265	52839	29931	39117	87
NTL3-3300-W	32757	35541	1.5	42663	88	38994	58707	33138	43539	89
NTL3-3500-W	36930	40068	1.5	49326	88	41361	60702	35079	45108	89
NTL3-3700-W	38820	42120	1.5	50679	88	43572	62400	36894	46455	89
NTL3-3900-W	43287	46965	2	58014	88	45636	63858	38583	47616	89
NTL4-3300-W	43676	47388	1.5	56884	89	51992	78276	44184	58052	90
NTL4-3500-W	49240	53424	1.5	65768	89	55148	80936	46772	60144	90
NTL4-3700-W	51760	56160	1.5	67572	89	58096	83200	49192	61940	90
NTL4-3900-W	57716	62620	2	77352	89	60848	85144	5144	63488	90
NTL4-4100-W	60816	65984	2	80488	89	63432	86720	53544	64840	90
NARROW FIN SPACING										
NTL2-2700-N	17462	18946	1.5	21040	83	21096	29490	18592	23444	88
NTL2-2900-N	19442	21094	1.5	23272	85	23342	32142	19574	23550	90
NTL2-3100-N	21948	23814	1.5	26564	85	25164	33768	21084	24840	90
NTL2-3300-N	24712	26812	1.5	30388	87	27796	37438	23360	27664	92
NTL2-3500-N	26196	28422	1.5	31558	87	29508	38826	24760	28800	92
NTL3-3100-N	32922	35721	1.5	39846	86	37746	50652	31626	37260	93
NTL3-3300-N	37068	40218	1.5	45582	88	41694	56157	35040	41496	95
NTL3-3500-N	39294	42633	1.5	47337	88	44262	58239	37140	43200	95
NTL3-3700-N	42123	45705	1.5	50421	88	46656	60075	39084	44646	95
NTL3-3900-N	46770	50745	2	57177	88	48906	61725	40887	45945	95
NTL4-3300-N	49424	53624	1.5	60776	89	55592	74876	46720	55328	98
NTL4-3500-N	52392	56844	1.5	63116	89	59016	77652	49520	57600	98
NTL4-3700-N	56164	60940	1.5	67228	89	62208	80100	52112	59528	98
NTL4-3900-N	62360	67660	2	76236	89	65208	82300	54516	61260	98
NTL4-4100-N	65000	70528	2	77968	89	68000	84200	56756	62720	98



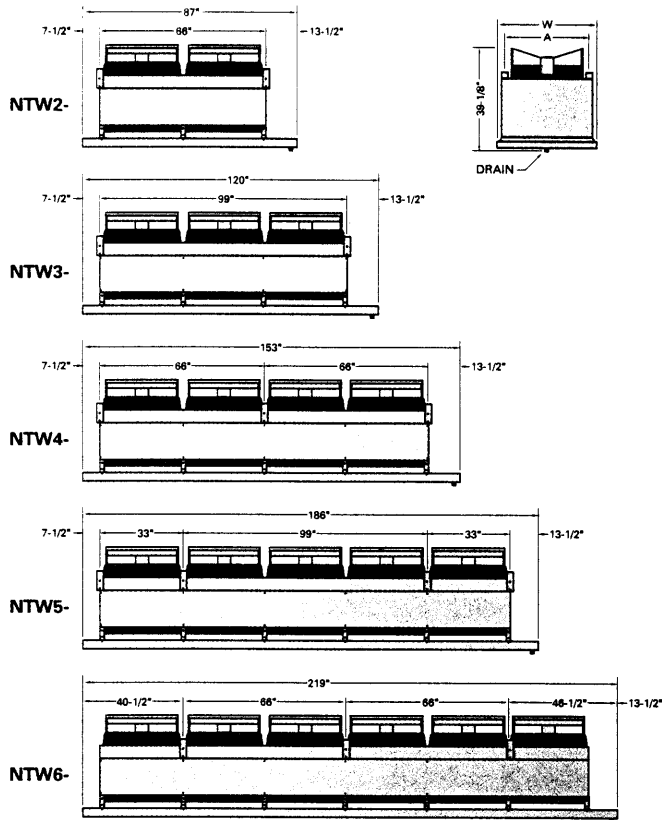
Selection & Application Notes:

- To make a unit selection, refer to the procedures shown on page 8. Then scan down and/or across the capacity tables to find a unit that meets or exceeds the required basic rating (BTUH/TD). When ordering, add the unit number extension shown at the top of each capacity table to the base unit number in order to reflect the unit fan horsepower (and ESP for some NTM and NTL units). A correct unit model number is: **NTL2-2700W-150P** (This unit has a basic frosted rating of 16362 BTUH/TD with (2) 1.5 Hp fan motors)
- All ratings are based on sensible heat removal, using liquid recirculation or flooded feed with R717 or R22, and do not include fan motor heat.
- All wet coil ratings have face velocities limited to 625 FPM or less.
- Consult your area representative or the factory for unit selections using alternate refrigerants, brines, thermal expansion feed, and/or variable fin spacing.
- Noise levels (in dBA) are based on the fan manufacturers data. Actual unit sound levels may vary due to the number of units, unit location, or physical environment.
- When locating units near walls or obstructions, allow a minimum distance away from the wall equal to or greater than the unit height.
- Fan motors for all units are 230 or 460 volt, 3 phase, 60 hertz - please specify voltage when ordering. All motors are 1200 RPM.
- See page 7 for optional unit features - please specify when ordering.

Unit No. Ext.	500L (5 Hp, 0" ESP)		500L-1/2 (5 Hp, 1/2" ESP)			No. Mtrs	Coil Vol. (ft ³)	Shipping Wt. (lb)	Dimensions (in)* L x W x H
	Frosted Coil BTUH/TD	CFM	Frosted Coil BTUH/TD	CFM	dBA				
WIDE FIN SPACING									
NTL2-2700-W	20732	34192	18730	27968	85	2	7.40	3865	161 x 48-5/8 x 52-1/4
NTL2-2900-W	23350	38546	21214	31862	87	2	8.34	4150	161 x 48-5/8 x 57
NTL2-3100-W	25072	39956	22796	33238	87	2	9.26	4435	161 x 48-5/8 x 61-3/4
NTL2-3300-W	28456	46820	26120	39528	89	2	10.18	4720	161 x 48-5/8 x 66-1/2
NTL2-3500-W	30156	48212	27678	40786	89	2	11.12	5005	161 x 48-5/8 x 71-1/4
NTL3-3100-W	37608	59934	34194	49857	88	3	13.89	6451	228 x 48-5/8 x 61-3/4
NTL3-3300-W	42684	70230	39180	59292	90	3	15.27	6874	228 x 48-5/8 x 66-1/2
NTL3-3500-W	45234	72318	41517	61179	90	3	16.68	7297	228 x 48-5/8 x 71-1/4
NTL3-3700-W	47616	73950	43692	62745	90	3	18.06	7720	228 x 48-5/8 x 76
NTL3-3900-W	49866	75462	45714	64044	90	3	19.44	8143	228 x 48-5/8 x 80-3/4
NTL4-3300-W	56912	93640	52240	79056	91	4	20.36	9028	300 x 48-5/8 x 66-1/2
NTL4-3500-W	60312	96424	55356	81572	91	4	22.24	9589	300 x 48-5/8 x 71-1/4
NTL4-3700-W	63488	98600	58256	83660	91	4	24.08	10150	300 x 48-5/8 x 76
NTL4-3900-W	66488	100616	60952	85392	91	4	25.92	10711	300 x 48-5/8 x 80-3/4
NTL4-4100-W	69344	102364	63484	86852	91	4	27.80	11271	300 x 48-5/8 x 85-1/2
NARROW FIN SPACING									
NTL2-2700-N	22258	32672	19988	26662	89	2	7.40	4176	161 x 48-5/8 x 52-1/4
NTL2-2900-N	25100	36956	22662	30432	91	2	8.34	4500	161 x 48-5/8 x 57
NTL2-3100-N	26992	38542	24378	31868	91	2	9.26	4824	161 x 48-5/8 x 61-3/4
NTL2-3300-N	30646	45070	27932	37778	93	2	10.18	5148	161 x 48-5/8 x 66-1/2
NTL2-3500-N	32504	46516	29650	39196	93	2	11.12	5471	161 x 48-5/8 x 71-1/4
NTL3-3100-N	40488	57813	36567	47802	94	3	13.89	7035	228 x 48-5/8 x 61-3/4
NTL3-3300-N	45969	67605	41898	56667	96	3	15.27	7516	228 x 48-5/8 x 66-1/2
NTL3-3500-N	48756	69774	44475	58794	96	3	16.68	7997	228 x 48-5/8 x 71-1/4
NTL3-3700-N	51360	71709	46860	60591	96	3	18.06	8478	228 x 48-5/8 x 76
NTL3-3900-N	53802	73329	49065	62097	96	3	19.44	8959	228 x 48-5/8 x 80-3/4
NTL4-3300-N	61292	90140	55864	75556	99	4	20.36	9884	300 x 48-5/8 x 66-1/2
NTL4-3500-N	65008	93032	59300	78392	99	4	22.24	10523	300 x 48-5/8 x 71-1/4
NTL4-3700-N	68480	95612	62480	80788	99	4	24.08	11161	300 x 48-5/8 x 76
NTL4-3900-N	71736	97772	65420	82796	99	4	25.92	11800	300 x 48-5/8 x 80-3/4
NTL4-4100-N	74808	99584	68180	84468	99	4	27.80	12438	300 x 48-5/8 x 85-1/2

* For water defrost add approximately 5" to height.

NTW Dimensional Data

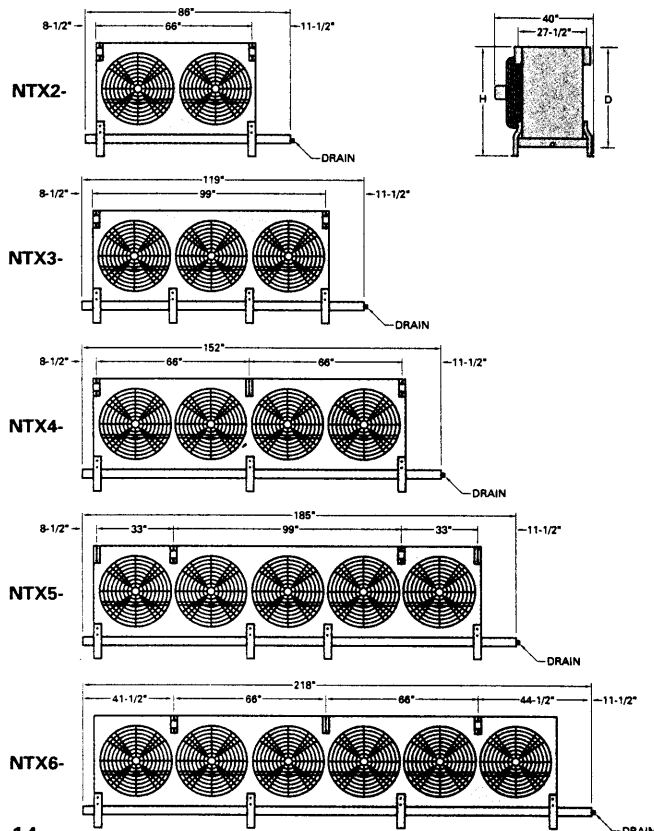


Unit No.	Dimensions (in)		Drain (MPT)
	A	W	
NTW2 -2100	21-1/4	27-1/4	1-1/2
NTW2 -2300	26	32	1-1/2
NTW2 -2500	30-3/4	36-3/4	1-1/2
NTW2 -2700	35-1/2	41-1/2	1-1/2
NTW3 -2300	26	32	2
NTW3 -2500	30-3/4	36-3/4	2
NTW3 -2700	35-1/2	41-1/2	2
NTW4 -2300	26	32	2
NTW4 -2500	30-3/4	36-3/4	2
NTW4 -2700	35-1/2	41-1/2	2
NTW5 -2500	30-3/4	36-3/4	2
NTW5 -2700	35-1/2	41-1/2	2
NTW6 -2500	30-3/4	36-3/4	2
NTW6 -2700	35-1/2	41-1/2	2

NOTES:

1. Right hand models shown.
2. All dimensions are for reference and should not be used for prefabrication of piping or supports.
3. For water defrost, add 6" to height and 10" to width.
4. 13/16" holes are located in each mounting bracket and support leg.
5. Allow 5" clearance above unit for removal of fan and motor.

NTX Dimensional Data

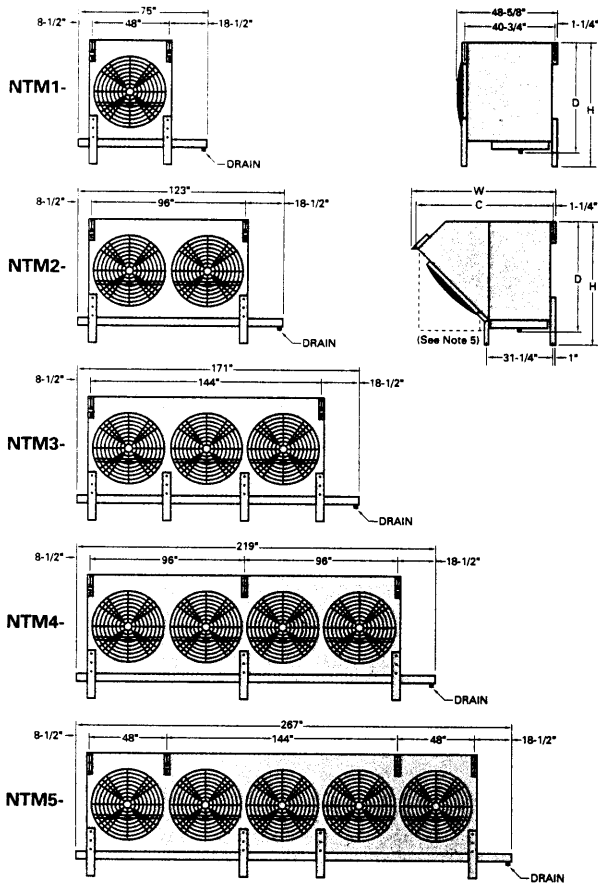


Unit No.	Dimensions (in)		Drain (MPT)
	H	D	
NTX2 -2100	33-3/4	27-1/2	1-1/2
NTX2 -2300	38-1/2	32-1/4	1-1/2
NTX2 -2500	43-1/4	37	1-1/2
NTX2 -2700	48	41-3/4	1-1/2
NTX3 -2300	38-1/2	32-1/2	2
NTX3 -2500	43-1/4	37-1/4	2
NTX3 -2700	48	42	2
NTX4 -2300	38-1/2	33	2
NTX4 -2500	43-1/4	37-3/4	2
NTX4 -2700	48	42-1/2	2
NTX5 -2500	43-1/4	38-1/4	2
NTX5 -2700	48	43	2
NTX6 -2500	43-1/4	38-3/4	2
NTX6 -2700	48	43-1/2	2

NOTES:

1. Right hand models shown.
2. All dimensions are for reference and should not be used for prefabrication of piping or supports.
3. For water defrost, add 5" to height.
4. 13/16" holes are located in each mounting bracket and support leg.

NTM Dimensional Data

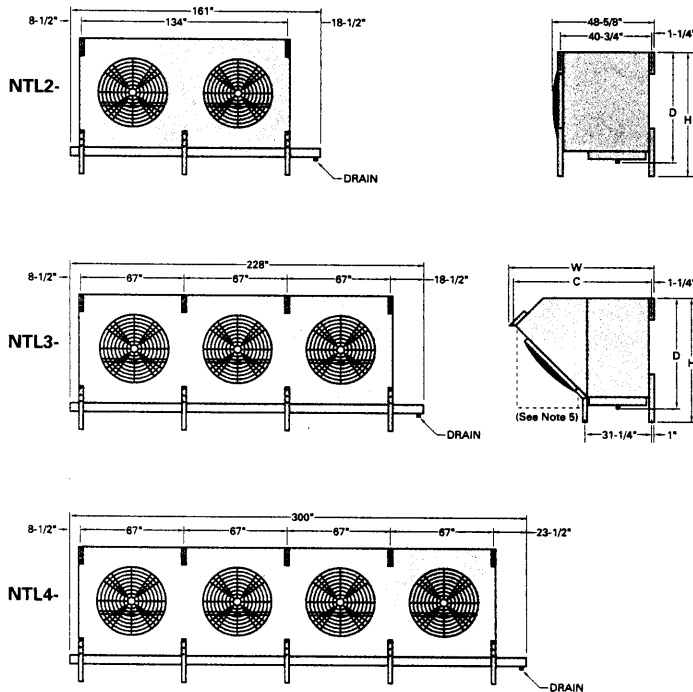


Unit No.	Dimensions (in)				Drain (MPT)
	H	D	C	W	
NTM1-2700	52-1/4	46-3/4	65-3/4	69	2
NTM1-2900	57	51-1/2	69	72-1/4	2
NTM1-3100	61-3/4	56-1/4	69	72-1/4	2
NTM1-3300	66-1/2	61	72-1/2	75-3/4	2
NTM2-2700	52-1/4	47-1/2	65-3/4	69	2
NTM2-2900	57	52-1/4	69	72-1/4	2
NTM2-3100	61-3/4	57	69	72-1/4	2
NTM2-3300	66-1/2	61-3/4	72-1/2	75-3/4	2
NTM3-2700	52-1/4	48-1/4	65-3/4	69	2
NTM3-2900	57	53	69	72-1/4	2
NTM3-3100	61-3/4	57-3/4	69	72-1/4	2
NTM3-3300	66-1/2	62-1/2	72-1/2	75-3/4	2
NTM4-2900	57	53-1/2	69	72-1/4	3
NTM4-3100	61-3/4	58-1/4	69	72-1/4	3
NTM4-3300	66-1/2	63	72-1/2	75-3/4	3
NTM5-2900	57	54-1/4	69	72-1/4	3
NTM5-3100	61-3/4	59	69	72-1/4	3
NTM5-3300	66-1/2	63-3/4	72-1/2	75-3/4	3

NOTES:

1. Right hand models shown.
2. All dimensions are for reference and should not be used for prefabrication of piping or supports.
3. For water defrost, add 5" to height.
4. 13/16" holes are located in each mounting bracket and support leg.
5. 45° downblow arrangement, penthouse arrangement shown dotted for clarity.

NTL Dimensional Data



Unit No.	Dimensions (in)				Drain (MPT)
	H	D	C	W	
NTL2-2700	52-1/4	48	65-3/4	69	2
NTL2-2900	57	52-3/4	69	72-1/4	2
NTL2-3100	61-3/4	57-1/2	69	72-1/4	2
NTL2-3300	66-1/2	62-1/4	72-1/2	75-3/4	2
NTL2-3500	71-1/4	67	72-1/2	75-3/4	2
NTL3-3100	61-3/4	58-1/2	69	72-1/4	3
NTL3-3300	66-1/2	63-1/4	69	72-1/4	3
NTL3-3500	71-1/4	68	72-1/2	75-3/4	3
NTL3-3700	76	72-3/4	72-1/2	75-3/4	3
NTL3-3900	80-3/4	77-1/2	72-1/2	75-3/4	3
NTL4-3300	66-1/2	64-1/4	69	72-1/4	3
NTL4-3500	71-1/4	69	72-1/2	75-3/4	3
NTL4-3700	76	73-3/4	72-1/2	75-3/4	3
NTL4-3900	80-3/4	78-1/2	72-1/2	75-3/4	3
NTL4-4100	85-1/2	83-1/4	72-1/2	75-3/4	3

NOTES:

1. Right hand models shown.
2. All dimensions are for reference and should not be used for prefabrication of piping or supports.
3. For water defrost, add 5" to height.
4. 13/16" holes are located in each mounting bracket and support leg.
5. 45° downblow arrangement, penthouse arrangement shown dotted for clarity.

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