

## INSTALLATION AND RIGGING

All Imeco AEC condensers are shipped with coil and pan section factory assembled. Fan section installation is simplified by structural support slips integral to the coil section.

Desuperheaters, when furnished, are complete with support steel which bolts directly to coil casing.

Coil/pan section and fan section are shipped on skids which must be utilized for hoisting. Spreaders should always be used to protect casings from damage. Removable clips are provided for final positioning.

Complete rigging and installation instructions are furnished with each unit.

## SPECIFICATION GUIDE

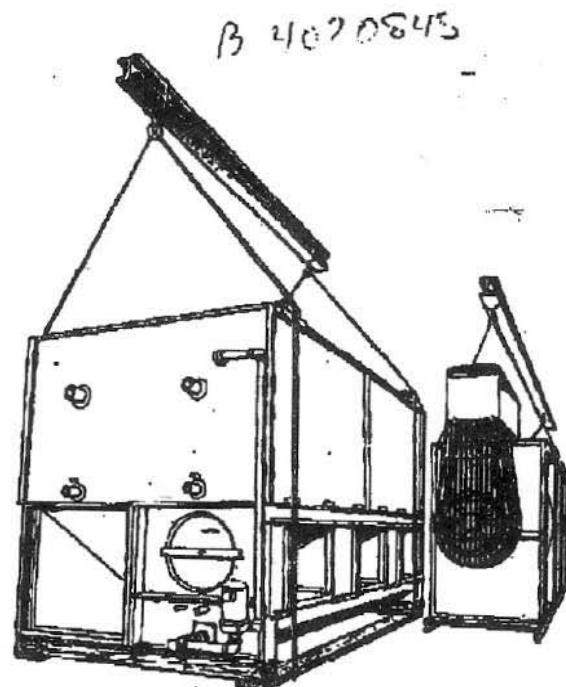
In accordance with the following specifications, furnish and install where shown on the plans, \_\_\_ Imeco AEC \_\_\_, or equal, (ammonia) (freon) evaporative condenser(s) (with desuperheater(s)).

The condenser(s) shall have a capacity of not less than \_\_\_ tons refrigeration at \_\_\_ PSIG (\_\_\_ °F) suction and \_\_\_ PSIG (\_\_\_ °F) condensing with \_\_\_ CFM free air at \_\_\_ °F wet bulb. Fan motor(s) to be \_\_\_ HP, \_\_\_ volt, 3 phase, 60 hertz.

The condenser(s) shall be of the blow-thru type with forwardly curved centrifugal fans mounted on a one piece solid steel shaft, supported by heavy duty pillow block type ball bearings. The complete fan assembly shall be statically and dynamically balanced. The V belt drives shall be designed for not less than 180% of motor nameplate horsepower.

The condensing coil(s) shall be all prime surface 3/4" steel pipe, tested at 300 PSIG air pressure under water. The coil, complete with 3/4" purge connections on outlet header and framework shall be hot-dip galvanized after fabrication.

The water distribution system shall be of the full coverage spray type with non-clogging nozzles. The system shall be complete with \_\_\_ close coupled \_\_\_ HP water pump(s) with mechanical seal. Pump motor(s) to be open drip-proof type for \_\_\_ volt, 3 phase, 60 hertz.



The fan housing(s) and drain pan shall be heavy gauge steel, hot-dip galvanized after fabrication. The condenser casing(s) shall be constructed of heavy gauge steel, all hot-dip galvanized after fabrication.

The eliminators shall be of the slide-by type, constructed of heavy gauge steel, hot-dip galvanized after fabrication.

The condenser(s) shall be completely factory assembled and tested prior to shipment.

For remote pump operation:

Furnish and install \_\_\_ circulating pump(s) for condenser(s). (Each) pump to deliver \_\_\_ GPM against a \_\_\_ ft. head.

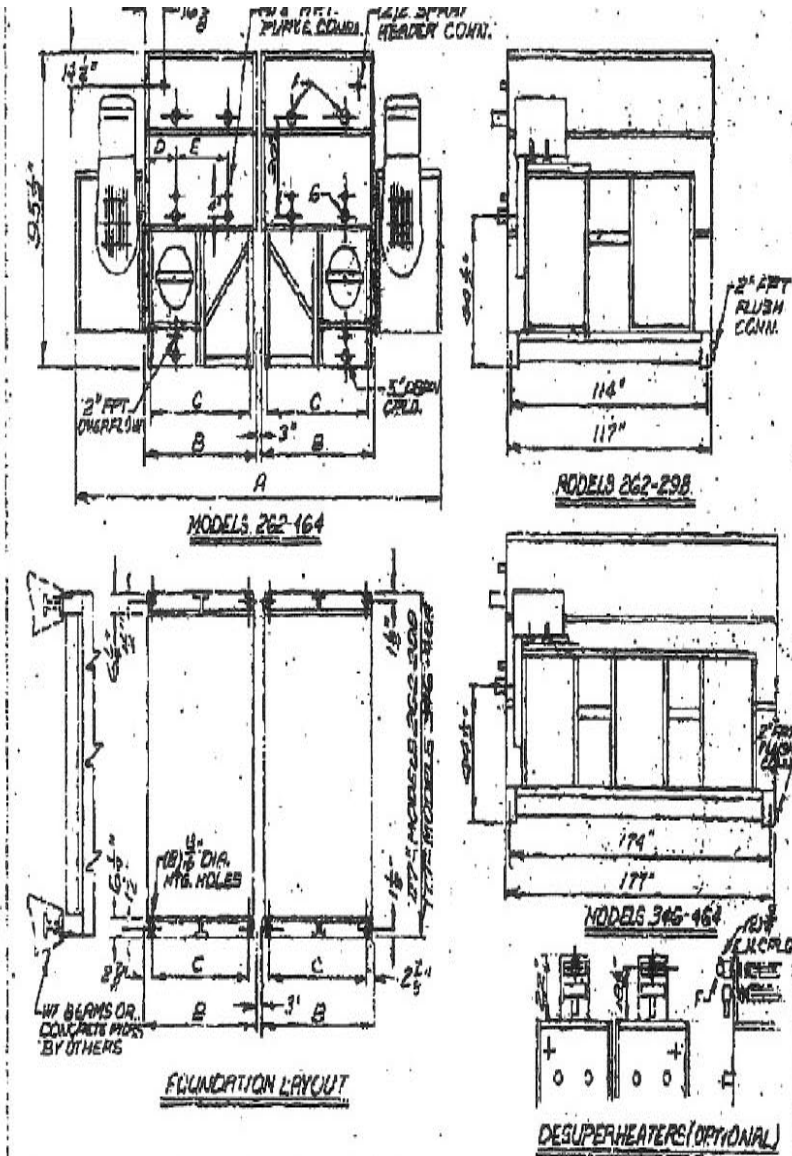
*NOTE: Specifications and dimensions subject to change without notice. Construction drawings available: contact factory.*



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**AEC** EVAPORATIVE  
CONDENSERS  
FOR AMMONIA AND HALOCARBONS

LITHO IN U.S.A.



GENEMCO, INCORPORATED ITEM 1791

GENCO REFERENCE NO. 3028 CONTRACT NO.

PURCHASE: Wiscasin Dressed Roof

ORDER NO.

SUBJECT: Wiscasin Dressed Roof

LOCATION: EAU CLAIRE, WIS.

CONTRACTOR:

ARCHITECT:

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**JOB DATA**

MODEL NO. ARC-298 QUANTITY 1

MOTOR TYPE: Open Drip Proof FRAME NO. 1548

POWER: (2) 115 V. 230/460 V. 3 PH. 60 HZ.

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**PERFORMANCE DATA**

REFRIGERANT: Ammonia NET D.B.P. 78 °F

TOTAL CAPACITY (TONS): 360 @ 20 °F S.T., 96.3 @ 7 °F C.T.

CFM: 76,000 SAT. STATIC PRESS. 0 IN. H<sub>2</sub>O

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CHECK (✓) UNIT CONSTRUCTION

STANDARD UNIT

OPTIONAL FEATURES

- HOT DIP GALVANIZED CASING
- DESUPERHEATER
- OIL TRAP WITH INTER-PIPING
- LIQUID INTER-PIPING
- OTHER

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REVISION NO.	DATE	BY	DESCRIPTION

ARC - 298 - R

EVAPORATIVE CONDENSER

B-2305

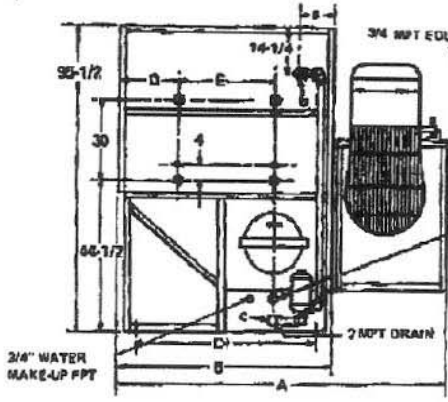
MODEL REC.	WATER GPM (DB)	A	B	C	D	E	COL. CONDENS. APPROX. WT. (LBS.)	APPROX. WT. (LBS.)
262	300						25600	26400
298							27800	28150
346	4	254	86	60 1/2	22 1/2	4 1/2	35400	36550
404	400						39000	35200
464							47700	42000

MODEL REC.	WEIGHT (LBS.)
262	2120
298	2120
346	2680
404	3020
464	3580

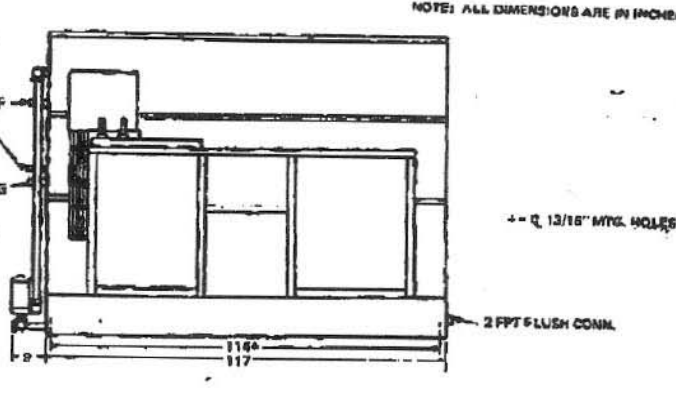
AEC 298, SN 3028

AEC 298 = (2) AEC 149

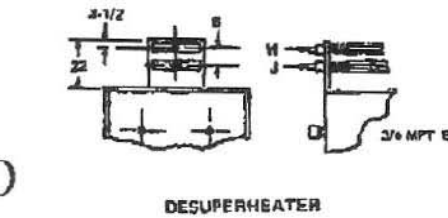
**CATIONS**



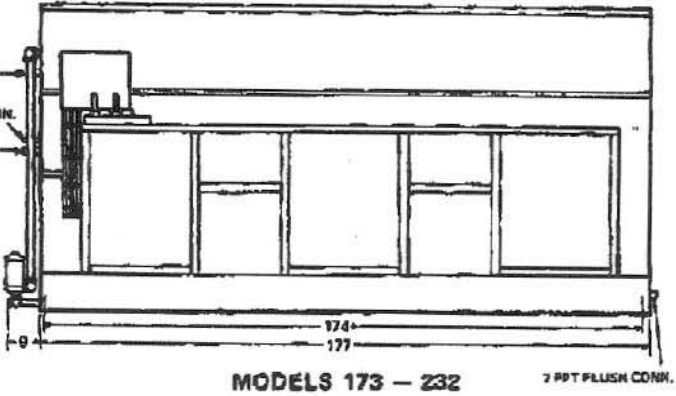
MODELS 84-232



MODELS 84-149



MODELS 84-232



MODELS 173 - 232

CONNECTION SIZES†	MODELS						
	84	108	131	149	173	202	232
F REFRIGERANT IN	(2) 2-1/2	(2) 2-1/2	(2) 3	(2) 3	(2) 3	(2) 3	(2) 3
G REFRIGERANT OUT	(2) 2	(2) 2	(2) 2-1/2	(2) 2-1/2	(2) 2-1/2	(2) 2-1/2	(2) 2-1/2
H DESUPERHEATER IN	(1) 3	(1) 3	(1) 4	(1) 4	(1) 4	(1) 4	(1) 4
J DESUPERHEATER OUT	(1) 3	(1) 3	(1) 4	(1) 4	(1) 4	(1) 4	(1) 4

(†) Plain ends for welding

MODEL NO.	TONS CAPACITY 1"			FANS 2" MOTOR HP	PUMP HP	REMOTE PUMP MODELS #										APPROX. SH-HP. WGT. (5xJ 4")				APPROX. OPT. WGT. (5xJ 5")
	R-717 (R-12, R-22, R-402)					a.					b.					R-717 (R-12, R-402)				
	CFM	CFM	CFM			A	B	C	D	E	F	G	H	I	J	K	L	M	N	
AEC - 84	84	116.4	27000	10	35	1-1/2	102-1/2	65	67-1/4	19-1/2	30	6-1/4	2	4	130	300	220	230	1500	1800
AEC - 108	108	152.3	36000	10	35	1-1/2	102-1/2	65	67-1/4	19-1/2	30	6-1/4	2	4	130	300	220	230	1500	1800
AEC - 131	131	184.7	36000	18	180	2	126-1/2	86	80-1/4	23-1/4	41-1/2	16-5/8	2	3	205	490	400	415	12800	13750
AEC - 149	149	210.1	36000	18	180	2	126-1/2	86	80-1/4	23-1/4	41-1/2	16-5/8	2	3	220	520	430	445	12700	14600
AEC - 173	173	241.9	61000	15	200	3	126-1/2	86	80-1/4	23-1/4	41-1/2	16-5/8	2	3	265	600	530	570	17700	19700
AEC - 202	202	284.8	67000	20	200	3	126-1/2	86	80-1/4	23-1/4	41-1/2	16-5/8	2	3	290	700	620	660	18000	20000
AEC - 232	232	327.1	67000	20	200	3	126-1/2	86	80-1/4	23-1/4	41-1/2	16-5/8	2	3	300	730	700	720	20400	21400