

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

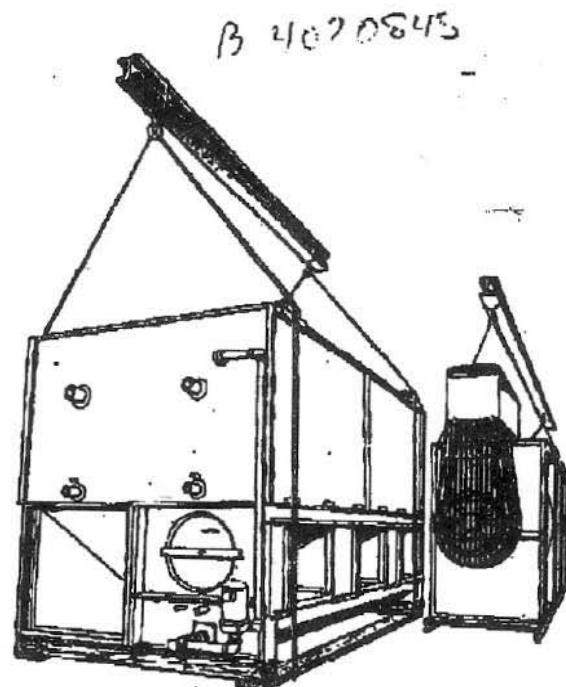
In accordance with the following specifications, furnish and install where shown on the plans, ___ Imeco AEC ___, or equal, (ammonia) (freon) evaporative condenser(s) (with desuperheater(s)).

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.

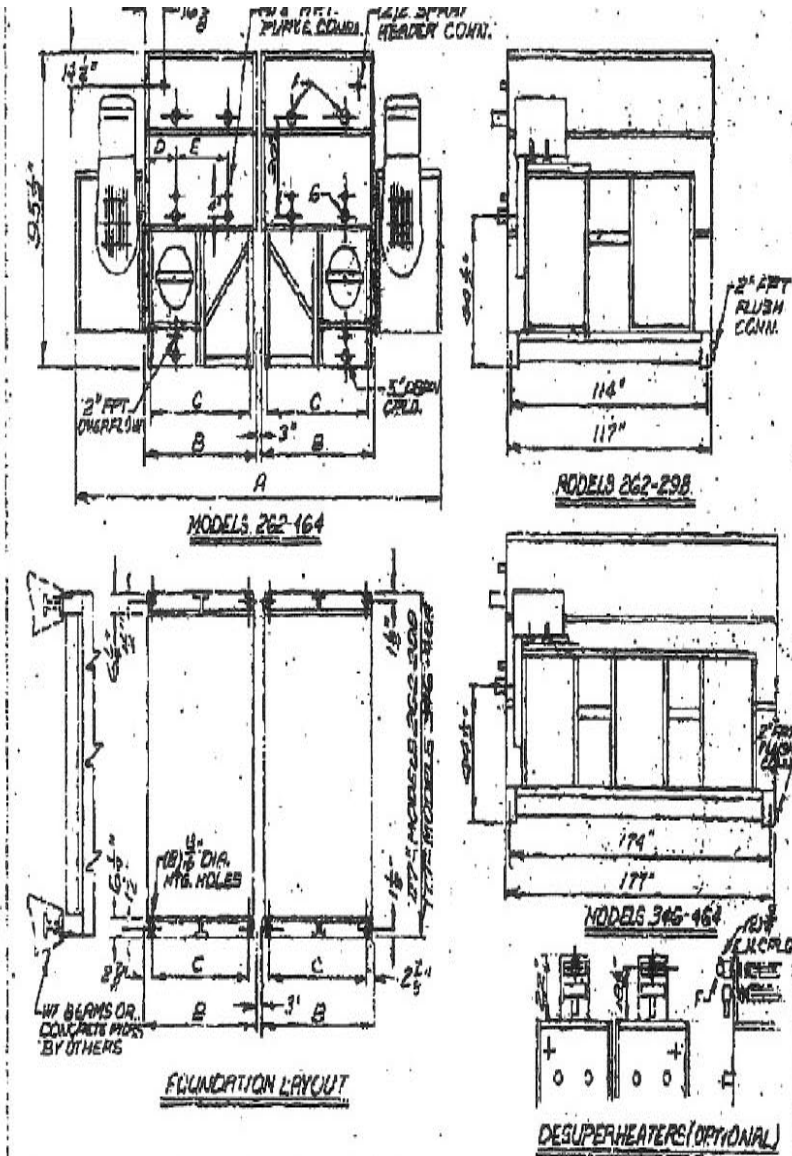
NOTE: Specifications and dimensions subject to change without notice. Construction drawings available: contact factory.



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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: Miscellaneous Drivew Roof

ORDER NO.

SUBJECT: Miscellaneous Drivew Roof

LOCATION: Law Clair, Mo.

CONTRACTOR:

ARCHITECT:

JOB DATA

MODEL NO. ARC-298 QUANTITY 1

MOTOR TYP. Open Drip Proof FRAME NO. 1568

POWER (2115) HP 230/460 V 3 PH 60 HZ

PERFORMANCE DATA

REFRIGERANT: Ammonia NET D.B.P. 78 °F

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

CFM: 76,000 SAT. STATIC PRESS. 0 IN. H₂O

CHECK (✓) UNIT CONSTRUCTION

STANDARD UNIT

OPTIONAL FEATURES

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

REVISION NO.	DATE	BY	DESCRIPTION

ARC - 298 - R

EVAPORATIVE CONDENSER

B-2305

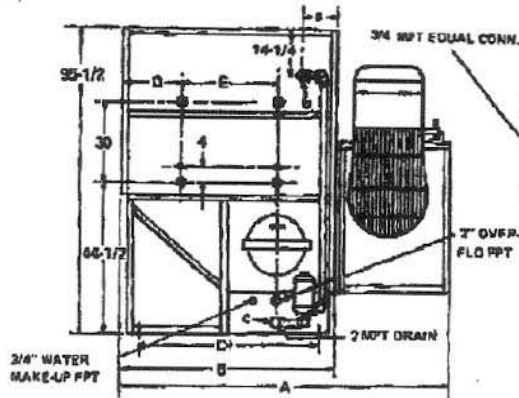
MODEL REC	WATER GPM (DB)	A	B	C	D	E	COL CONDENSER APPROX. WT. (LBS)	APPROX. WT. (LBS)
262	300						25600	26400
298							27800	28150
346	4	254	86	60 1/2	22 1/2	4 1/2	35400	36550
404	400						39000	39800
464							47700	48200

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

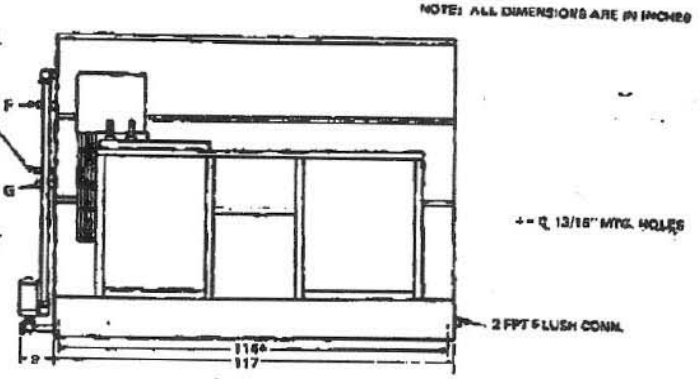
AEC 298, SN 3028

AEC 298 = (2) AEC 149

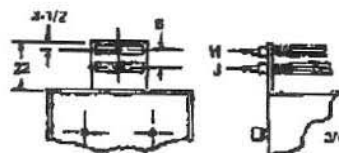
CONNECTIONS



MODELS 84-232

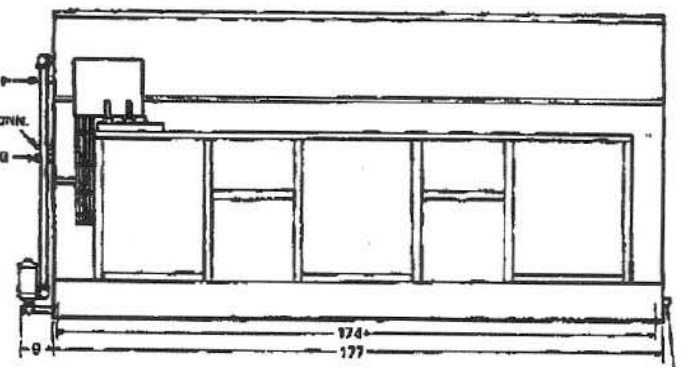


MODELS 84-149



DESUPERHEATER

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"		CFM	FANS 2" MOTOR HP	CFM	PUMP HP	A	B	C	D	E	REMOTE PUMP MODELS 2"			REFRIG. CHG. (LBS.)			APPROX. SH-HP. WGT. (BxJ 4")	APPROX. OPT. WGT. (BxJ 5")	
	R-717	R-12, R-22, R-22										a.	b. 2"PT WATER INLET	c. 2"PT BOTTOM DRAIN	R-717	R-12	R-22			R-402
	1	2										1	2	3	4	5	6			
AEC-84	84	116.4	27000	10	35	1-1/2	302-1/2	55	57-1/4	15-1/2	30	6-1/4	2	4	130	200	210	230	1600	1800
AEC-108	108	122.3	28000	10	35	1-1/2	302-1/2	55	57-1/4	15-1/2	30	6-1/4	2	4	130	200	210	230	1600	1800
AEC-131	131	184.7	36000	18	100	2	126-1/2	85	80-1/4	23-1/4	41-1/2	18-1/8	2	5	205	490	490	418	1280	1390
AEC-149	149	216.1	40000	18	100	2	126-1/2	85	80-1/4	23-1/4	41-1/2	18-1/8	2	5	205	579	490	465	1270	1480
AEC-173	173	241.8	51000	15	200	3	126-1/2	85	80-1/4	23-1/4	41-1/2	18-1/8	2	5	205	620	500	570	1770	1940
AEC-202	202	284.8	67000	20	300	3	126-1/2	85	80-1/4	23-1/4	41-1/2	18-1/8	2	5	205	700	675	660	1900	2020
AEC-232	232	327.1	87000	20	300	3	126-1/2	85	80-1/4	23-1/4	41-1/2	18-1/8	2	5	205	780	700	720	2040	2160