



AIR-COOLED CONDENSERS

FOR INDUSTRIAL APPLICATIONS

- Ammonia Refrigerant
- Single or Multi-Circuited
- Aluminum Construction
- With a Wide Range of Units from 6 to 100 TR.



Quality Engineered FOR MAXIMUM PERFORMANCE

The **Malnar AIR-COOLED CONDENSER** is thermodynamically engineered to provide a cost effective solution to your industrial refrigeration needs. The pressure drop through the condenser is minimized giving you more refrigeration for your money. The high efficiency, low maintenance, all aluminum design allows for a quick return on your investment.

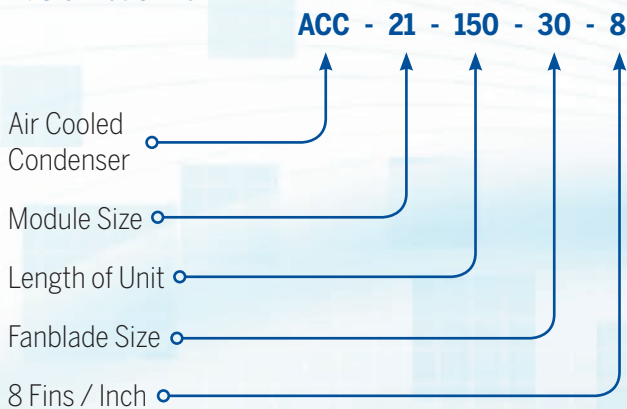
From our factory to your plant, **Malnar AIR-COOLED CONDENSERS** set the standard for quality and performance.

Like all Malnar products, ACC units are professionally engineered and painstakingly constructed to the most demanding specifications. All materials are carefully selected for optimum operating efficiency.

CRN REGISTERED

MODEL NO.: IDENTIFICATION

Basic Model No:



OPTIONS

- Fan Motor Control Panel
- Glycol Coil
- Condenser Leg Kit

COILS

The condenser coil is constructed from 5/8" or 3/4" heavy wall aluminum alloy tubing giving high thermal conductivity while providing a long operating life. Helically wound aluminum fins, at 8 fins per inch, are mechanically bonded to the tube providing efficient extended surface for increased capacity. Some units have a single coil while larger custom units have two coils. Single-circuit and multiple-circuit connections can be provided on any size unit when requested.

HOUSING

The housing is constructed of heavy gauge aluminum sheeting to fully enclose the coil, including the return bends. Divider baffles located between fan sections give added rigidity. Fan panels with rolled orifice rings provide optimum fan performance. All additional members are of structural grade aluminum. All fasteners are stainless steel.

FANS & MOTORS

All condensing units incorporate single or multiple vertical discharge fans. The draw through design and large plenum spacing ensures an even air flow over the face of the coil. Wide blade axial fans are direct driven at 1140 RPM by totally enclosed electric motors which are factory wired to a sealed weather resistant junction box. Optional fan cycling controls are also available on request.



OPTIONAL SINGLE GLYCOL LOOP



GLYCOL LOOPS:	FLOW RATE	TUBE SIZE	CAPACITY
	17 GPM	3/4" tube	25,500 btu's
	22 GPM	7/8" tube	33,000 btu's
	28 GPM	1" tube	42,000 btu's
	34 GPM	1" tube	51,000 btu's

PERFORMANCE DATA

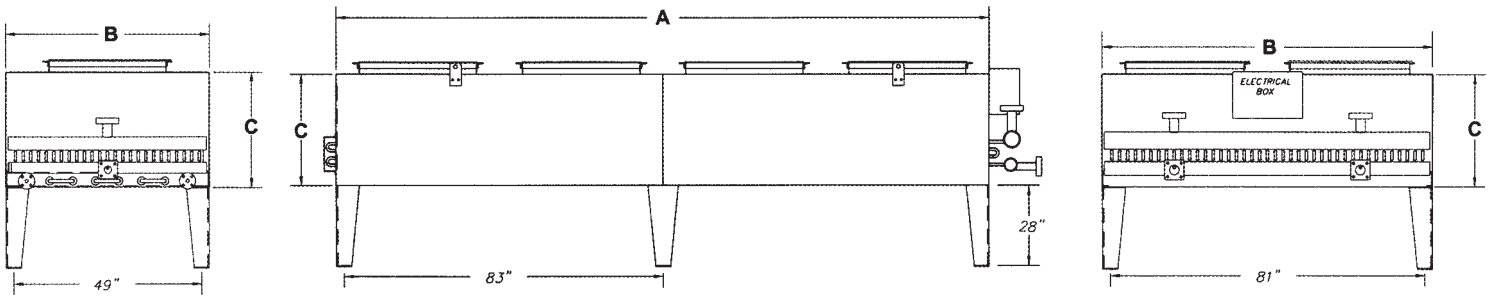
MODEL	SIZE	MOTORS	CAPACITY	FACE AREA
	Face Size	CFM	Per Degree	Face Velocity
ACC-06-054-30-8	54" x 40" x 49"	1 - 1 1/2 HP	6,740 BTU'S	12.4 sq.ft.
5/8" tube	48" x 20 ROWS	7640 CFM		616 fpm.
ACC-12-108-30-8	108" x 44" x 49"	2 - 1 1/2 HP	10,666 BTU'S	27.8 sq.ft.
5/8" tube	98" x 22 ROWS	16,680 CFM		600 fpm.
ACC-21-150-30-8	150" x 48" x 49"	3 - 1 1/2 HP	18,600 BTU'S	36.8 sq.ft.
3/4" tube	138" x 22 ROWS	22,620 CFM		615 fpm.
ACC-30-164-30-8	164" x 48" x 49"	3 - 1 1/2 HP	22,345 BTU'S	43.2 sq.ft.
3/4" tube	152" x 22 ROWS	26,600 CFM		615 fpm.
ACC-42-152-36-8	152" x 52" x 49"	3 - 1 1/2 HP	32,160 BTU'S	43.4 sq.ft.
3/4" tube	140" x 24 ROWS	32,470 CFM		748 fpm.
ACC-48-184-30-8	184" x 48" x 49"	4 - 1 1/2 HP	45,600 BTU'S	54.6 sq.ft.
3/4" tube	176" x 24 ROWS	38,360 CFM		702 fpm.
ACC-52-152-30-8	152" x 82" x 49"	6 - 1 1/2 HP	50,160 BTU'S	77.8 sq.ft.
3/4" tube	140" x 40 ROWS	50,040 CFM		640 fpm.
ACC-58-150-36-8	152" x 82" x 49"	6 - 1 1/2 HP	53,230 BTU'S	77.8 sq.ft.
3/4" tube	140" x 40 ROWS	61,320 CFM		780 fpm.
ACC-72-182-30-8	182" x 82" x 49"	8 - 1 1/2 HP	57,866 BTU'S	94.4 sq.ft.
3/4" tube	170" x 40 ROWS	66,720 CFM		706 fpm.
ACC-80-196-36-8	196" x 86" x 49"	8 - 2 HP	64,300 BTU'S	99.2 sq.ft.
3/4" tube	170" x 42 ROWS	76,000 CFM		760 fpm.
ACC-100-152-42-8	152" x 102" x 49"	6 - 2 HP	86,930 BTU'S	97.2 sq.ft.
3/4" tube	140" x 50 ROWS	77,060 CFM		790 fpm.
ACC-120-164-42-8	164" x 102" x 49"	6 - 2 HP	97,450 BTU'S	105.6 sq.ft.
3/4" tube	152" x 50 ROWS	87,650 CFM		830 fpm.
ACC-130-182-36-8	182" x 102" x 53"	12 - 1 1/2 HP	104,221 BTU'S	118.1 sq.ft.
3/4" tube	170" x 50 ROWS	96,525 CFM		817 fpm.
ACC-140-182-42-8	182" x 144" x 53"	12 - 2 HP	113,240 BTU'S	165.3 sq.ft.

DIMENSIONS

MODEL	ACC-6	ACC-12	ACC-21	ACC-30	ACC-42	ACC-48	ACC-52
LENGTH, In.	54"	108"	150"	164"	152"	184"	152"
WIDTH, In.	40"	44"	48"	48"	52"	48"	82"
HEIGHT, In.	29"	29"	29"	29"	29"	29"	29"
SHIPPING WEIGHT, lbs.	480 lbs.	780 lbs.	932 lbs.	1090 lbs.	1350 lbs.	2140 lbs.	2890 lbs.

MODEL	ACC-58	ACC-72	ACC-80	ACC-100	ACC-120	ACC-130	ACC-140
LENGTH, In.	152"	182"	196"	152"	164"	182"	182"
WIDTH, In.	82"	82"	86"	102"	102"	102"	144"
HEIGHT, In.	29"	29"	29"	29"	29"	29"	29"
SHIPPING WEIGHT, lbs.	3140 lbs.	3460 lbs.	4200 lbs.	5600 lbs.	6210 lbs.	6570 lbs.	7240 lbs.

DIMENSIONS ARE NOT TO BE USED FOR CONSTRUCTION AND ARE SUBJECT TO CHANGE WITHOUT NOTICE



MALNAR PRODUCT LIST:

- **MAC Evaporators** Coolers, Processing Rooms
- **MAF Evaporators** Freezers, Low Temperatures
- **MAB Evaporators** Blast Freezers
- **MRA Evaporators** Rectangular Coils
- **TURBO JET Evaporators** Rapid Chill Coils
- **BTR Evaporators** Between-the-Rail Cooling
- **HG Evaporators** Temperature and Humidity Control
- **ZEPHYR Evaporators** Coolers, High-Humidity Environments
- **PENTHOUSE Units** Roof-Top Penthouse Units for Evaporator Coils
- **ACC Condensers** Air-Cooled Condensers
- **ACHE Units** Air-Cooled Heat Exchangers



MALNAR INDUSTRIES LTD.

P.O. Box 429
 Steinbach, MB R5G 1M3
 35012 Rd. 37E Hwy. 52E
 Phone: 204.237-4881
 Email: info@malnar.com
 www.malnar.com

Distributed by: