

CENTRAL CHILLER

MA SERIES

AIR-COOLED

- **5 to 30 Tons Capacity**
- **Scroll Compressor**
- **Brazed Plate Evaporator**
- **Air-Cooled Condenser**

The **MW Series** central chiller provides precision temperature control from an economically affordable and reliable unit. Perfect for applications such as plastic injection molding, blow molding, extrusion and other industrial applications. Product features include:

TEMPERATURE RANGE

- 20° - 65°F

REFRIGERANT CIRCUIT

- Single zone
- Hermetic scroll compressors on 5 - 30 ton units
- Compressor suction service valve
- Compressor discharge service valve
- Braze plate evaporator
- Air-cooled condenser
- Liquid receiver
- Condenser regulator valve
- Liquid line solenoid valve
- Sight glass with moisture indicator
- Thermostatic expansion valve
- Hot gas by-pass capacity control

LIMIT DEVICES

- Coolant flow switch
- Coolant freeze stat
- Compressor motor overload protection
- Refrigerant high pressure switch
- Refrigerant low pressure switch
- Refrigerant pressure relief valve

CHILLER CONTROL

- Thermostat control on 15 - 30 ton models
- Microprocessor control on 5 - 10 ton models

ELECTRICAL

- Nema 1 rated electrical cabinet
- Power entry terminal block

FRAME

- Female NPT process connections
- Galvanized steel frame

WARRANTY & SERVICE

- 1 year on parts & labor
- Nationwide network of service contractors



MA-30 shown

*GREAT FOR START-UP
INSTALLATIONS OR EXPANSIONS
OF EXISTING SYSTEMS...
COMPLETE SYSTEM PACKAGES
ARE EVEN MORE ECONOMICAL
WHEN COMBINED
WITH A TEMPTTEK TANK SYSTEM.*

PRICE & PERFORMANCE... for the LONG TERM

525 East Stop 18 Road Greenwood, IN 46142 317-887-6352 fax: 317-881-1277 web site: www.Temptek.com email: sales@Temptek.com

www.aoksupplies.com

TEMPTTEK®

since 1989

SPECIFICATIONS

MA SERIES SPECIFICATIONS

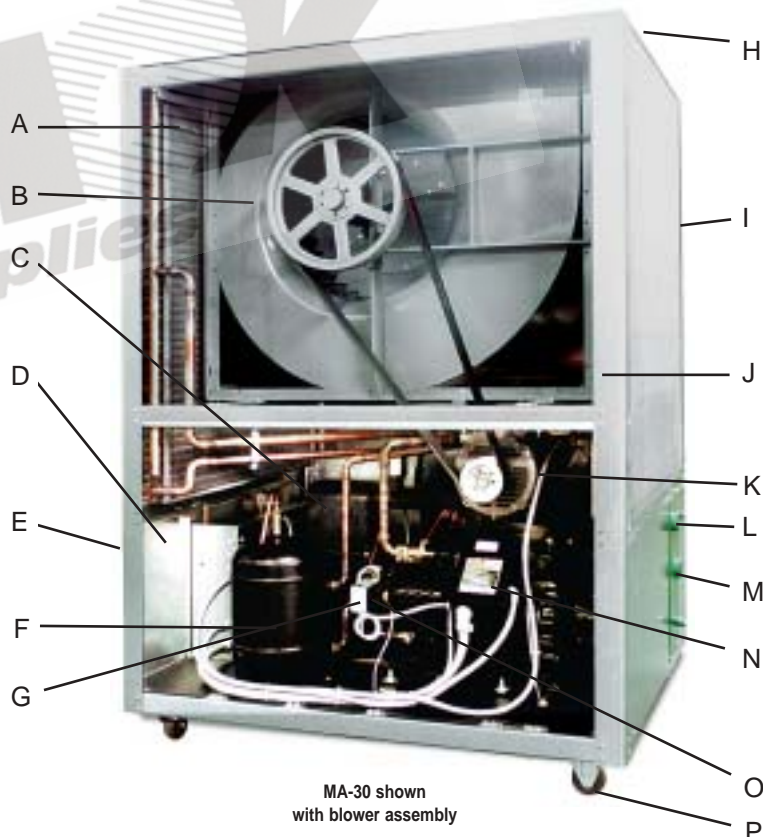
SINGLE ZONE MODEL		MA-5	MA-7.5	MA-10	MA-15	MA-20	MA-25	MA-30
COMPRESSOR	Capacity ¹	5	7.5	10	15	20	25	30
	HP	5	7.5	10	15	20	25	30
	Type ²	H	H	H	H	H	H	H
CONNECTION SIZES (INCHES)	To Process	1-1/4	1-1/4	1-1/4	1-1/2	1-1/2	2	3
	From Process	1-1/4	1-1/4	1-1/4	1-1/2	1-1/2	2	3
AIR-COOLED CONDENSER	Style	Fan	Fan	Fan	Blower	Blower	Blower	Blower
	# of Motors	2	2	2	1	1	1	1
	HP	1/3	1/2	3/4	7-1/2	10	15	20
	CFM	5,000	7,500	10,000	15,000	2,000	25,000	30,000
FULL LOAD AMPERAGE³	208 / 3 / 60	31.2	43.9	63.4	100.2	131.6	161.5	198.0
	230 / 3 / 60	28.2	39.7	57.3	90.6	119.0	146.0	179.0
	460 / 3 / 60	13.0	20.6	28.7	45.3	59.5	73.0	89.5
	575 / 3 / 60	10.4	16.6	23.0	36.4	47.7	58.9	72.1
REFRIGERANT	Type HCFC	22	22	22	22	22	22	22
REQUIRED PROCESS FLOW	GPM @ 20 PSI	12	18	24	36	48	60	60
DIMENSIONS	Height	60	60	60	60	102	102	102
	Width	34	34	34	64	58	58	58
	Depth	40	40	56	56	70	70	70
WEIGHT (LBS)	Shipping ⁵	800	900	1,000	1,640	1,950	2,050	2,250

Notes:

1. Tons capacity at 12,000 BTU / ton at 50°F LWT at 105°F condensing temperature. Capacities may be +/- 5% as reserved by the compressor manufacturer. Capacity multipliers are 50°F - 1.00 ; 40°F - .80 ; 30°F - .60 ; 20°F - .40. The minimum recommended operating temperature when no glycol is used is 48°F. 2. Hermetic compressor used on this model. 3. Full load amps shown. No allowance for inrush. Service disconnect by owner. Full load amps are higher than run load amps and must be used for sizing disconnects and supply wiring. Consult factory for 50hz operation. 4. Unit weight crated for shipment.

MECHANICAL COMPONENTS

- A - Air - Cooled Condenser
- B - Centrifugal Blower
- C - Evaporator
- D - Electrical Cabinet
- E - Instrumentation
(not visible in photograph)
- F - Liquid Receiver
- G - Expansion Valve
Liquid Line Solenoid
Refrigerant Sight Glass
Filter-Dryer
(not visible in photograph -
located behind compressor)
- H - Air Exhaust
- I - Air - Cooled Condenser
- J - Galvanized Steel Frame
- K - Blower Motor
- L - To Process Connection
- M - From Process Connection
- N - Compressor
(Semi - hermetic shown)
- O - Oil Pressure Switch
- P - Caster



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Since product innovation and improvement is our constant goal, all features and specifications are subject to change without notice. form #ADV-529 3/03 ©2003 TEMPTTEK, INC.

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