

CENTRAL CHILLERS

MW SERIES
WATER-COOLED

- **Process Temperatures From 20°F to 65°F**
- **5 to 40 Tons Capacity**
- **Water-Cooled Condenser**
- **Scroll Compressor Up To 30 Tons**
- **Brazed Plate Evaporator**

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 models and semi-hermetic compressor on the 40 ton
- Compressor suction service valve
- Compressor discharge service valve
- Braze plate evaporator
- Water-cooled condenser with removable caps for service
- Condenser regulator valve
- Liquid line solenoid valve
- Sight glass with moisture indicator
- Thermostatic expansion valve
- Pressure Activated 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

- Mechanical Thermostat

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



MW-30 shown

GREAT FOR START-UP
INSTALLATIONS OR
EXPANSIONS OF EXISTING
SYSTEMS...

COMPLETE SYSTEM
PACKAGES ARE EVEN MORE
ECONOMICAL WHEN
COMBINED WITH A TEMPTTEK
PUMP 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

TEMPTTEK

since 1989

SPECIFICATIONS

MW SERIES SPECIFICATIONS

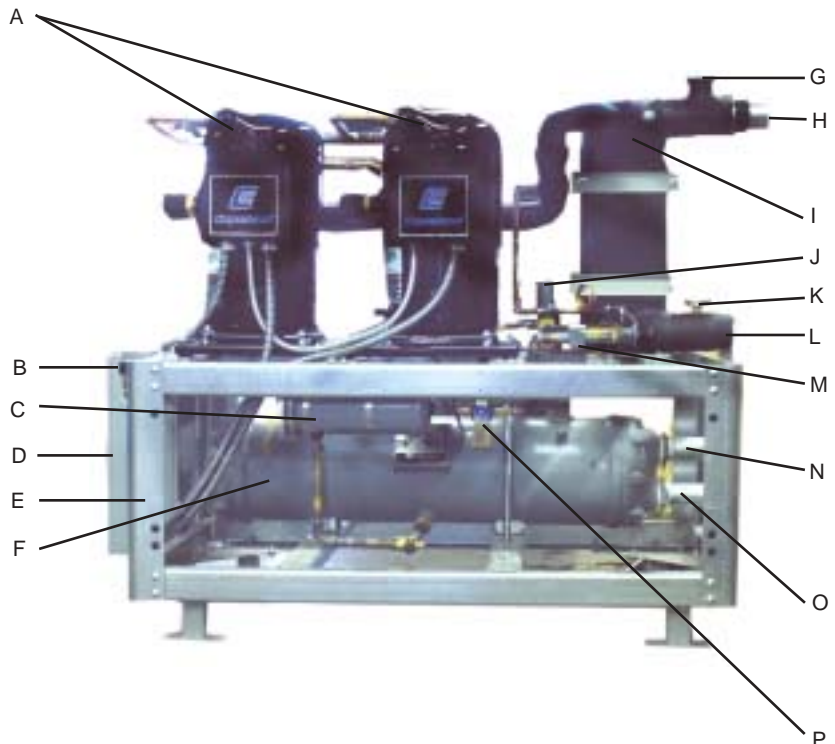
SINGLE ZONE MODELS		5C	7.5C	10C	15C	20C	25C	30C	35C	40C
COMPRESSOR	Capacity ³	5.5	9.1	11.5	15	19	25	30	36	40
	Number	1	1	1	1	1	1	1	1	1
	HP each	5	7-1/2	10	15	(2)10	(2)13	(2)15	35	40
	Style ⁴	H	H	H	H	H	H	H	S	S
	EER Rating	c/f	c/f	13.1	15.4	16.4	15.6	14.8	14.5	14.1
CONNECTION	Process	1-1/4	1-1/4	1-1/4	2	2	2-1/2	2-1/2	2-1/2	2-1/2
SIZES (inches)	Condensing	3/4	1	1	1-1/4	1-1/4	1-1/2	2	2	3
WATER FLOW (GPM)	Process	13	22	28	36	47	60	72	86	101
REQUIREMENTS	City ⁴ condensing	9	15	18	23	29	38	45	54	63
	Tower ⁵ condensing	18	30	36	45	58	75	90	108	126
FULL LOAD¹ AMPERAGE²	230 / 3 / 60	22	31	43	56	66	83	94	107	142
	460 / 3 / 60	10	16	22	28	33	42	47	54	71
	575 / 3 / 60	8	13	17	25	28	34	39	43	57
REFRIGERANT	Type HCFC	22	22	22	22	22	22	22	22	22
DIMENSIONS (inches)	Height	52	52	52	52	52	57	57	57	57
	Width	24	24	24	24	24	29	29	29	36
	Depth	62	62	62	70	70	70	70	70	84
WEIGHTS (pounds)	Shipping ⁶	450	525	545	845	885	1,040	1,100	1,150	1,200

Notes:

1. 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.
2. Consult factory for 50hz operation.
3. Tons capacity at 12,000 BTU/ton @ 50°F LWT @ 105°F condensing temperature. Capacities may be +/- 5% as reserved by the compressor manufacturer. Capacities 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.
4. Flow rate based on 60°F city water source at 20 PSI with a clean condenser.
5. Flow rate based on 85°F tower water source at 20 PSI with a clean condenser.
6. Unit weight crated for shipment.

MECHANICAL COMPONENTS

- A - Compressors
- B - Limit Switch
- C - Filter - Drier
- D - Electrical Cabinet
- E - Galvanized Steel Frame
- F - Water Cooled Condenser
- G - Flow Switch
- H - From Process Connection
- I - Evaporator
- J - Expansion Valve
- K - Temperature Gauge
- L - To Process Connection
- M - Refrigerant Sight Glass
- N - Condenser Return
- O - Condenser Supply
- P - Liquid Line Solenoid Valve



PRICE & PERFORMANCE... for the LONG TERM



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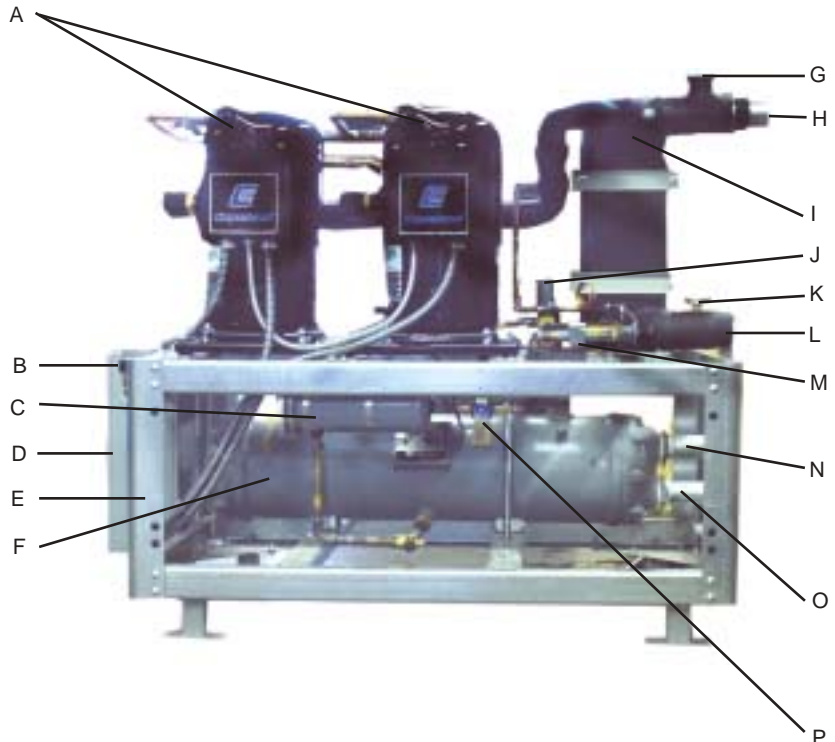
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 Since product innovation and improvement is our constant goal, all features and specifications are subject to change without notice. form # ADV-526 3/03 ©2003 TEMPTTEK, INC.