

# Creotech INDUSTRIES



## MTW/MTR *Modular Chillers*

### DEPENDABLE

- Built-in redundancy
- Centralized computer control
- FIFO control for compressor longevity
- Rugged components

### EXPANDABLE/FLEXIBLE

- Start small - expand to 480tons
- Design flexibility
- Simple new unit addition
- Master controller ready

### SERVICE WHILE

### OPERATING

- Service any unit without downtime
- Easy water-header disconnect
- Controller auto removes serviced unit
- Easy access to major components

### BETTER CAPACITY

### CONTROL

- Refrigeration operation at maximum efficiency even at partial loads
- Multiple compressor, multiple units match capacity at any load

# Creotech

**Master Controller**  
Automatically removes module being serviced from operational sequence

**Breaker Panel**  
230/3/60  
460/3/60  
575/3/60

## CREOTECH's MTW MODULAR CHILLER ARRANGEMENT

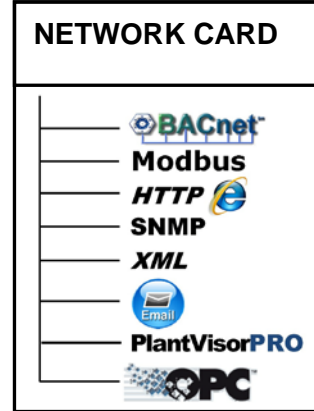
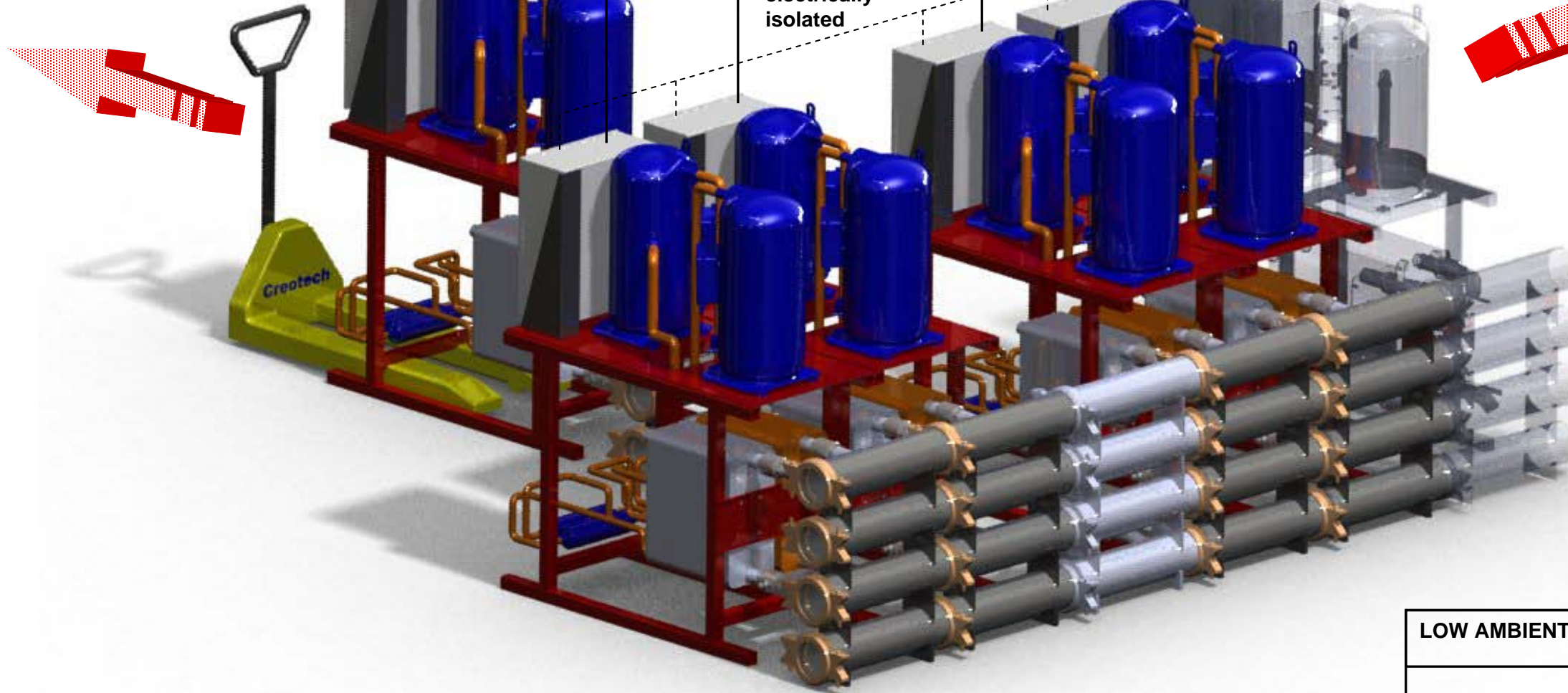
Water cooler version illustrated..  
Remote air cooled also available

Serviced chiller disconnected from operating cooling system water headers.

Removable while the remainder of the chiller system operates without interruption.

Chiller being serviced is electrically isolated

Additional Chiller modules can be added after initial start up as requirement grows.



## Model MTW - Water-Cooled Tandem Modular Chiller

Model			MT20W	MT30W	MT40W	MT50W	MT60W
Nominal Tonnage			20T	30T	40T	50T	60T
Capacity	kBtu/hr. (kW)		249 (72)	370 (108)	471 (138)	594 (174)	778 (228)
THR	kBtu/hr. (kW)		303 (98)	452 (133)	577 (169)	729 (214)	952 (279)
Input Power	kW		16.0	24.2	31.0	39.6	51.3
EER			15.5	15.2	15.2	15.0	15.2
MCA	Amps	575/3/60	32.2	59.4	61.7	87.1	123.8
Evaporator	flow	Usgpm (l/s)	49.7 (3.1)	73.9 (4.7)	94.2 (5.9)	118.9 (7.5)	155.6 (9.8)
	pres.	psi (kPa)	5.9 (40.7)	6.3 (43.4)	4.6 (31.7)	5.0 (34.5)	5.6 (38.6)
	header connection		6"	6"	6"	6"	6"
Condenser	flow	Usgpm (l/s)	60.6 (3.8)	90.4 (5.7)	115.4 (7.3)	145.9 (9.2)	190.6 (12.0)
	pres.	psi (kPa)	4 (27.6)	5.0 (34.5)	6.5 (44.8)	2.6 (17.9)	4.3 (29.7)
	header connection		6"	6"	6"	6"	6"
Sound	average	dBa	83	85	90	93	92
	maximum	dBa	88	90	95	98	97
Weight	weight	lbs. (kg)	1050 (475)	1150 (525)	1268 (577)	1379 (627)	1555 (707)
Unit Size	length	in. (mm)	52" (1321)	52" (1321)	52" (1321)	52" (1321)	52" (1321)
	width	in. (mm)	26" (660)	26" (660)	26" (660)	26" (660)	26" (660)
	height	in. (mm)	62" (1575)	62" (1575)	68" (1730)	68" (1730)	68" (1730)

NOTE: Operating conditions for chiller: 44°F/54°F circulating water temperature; 85°F/95°F condenser water temperature.

## Model MTR - Remote Air-Cooled Tandem Modular Chiller

Model			MT20R	MT30R	MT40R	MT50R	MT60R
Nominal Tonnage			20T	30T	40T	50T	60T
Capacity	kBtu/hr. (kW)		228 (67)	342 (100)	433 (127)	549 (161)	719 (211)
THR	kBtu/hr. (kW)		291 (85)	435 (128)	577 (169)	729 (214)	952 (279)
Input Power	kW		18.5	27.4	35.0	44.9	58.3
EER			12.3	12.5	12.4	12.2	12.3
MCA	Amps	575/3/60	32.2	59.4	61.7	87.1	123.8
Evaporator	flow	Usgpm (l/s)	45.6 (2.9)	68.4 (4.3)	86.6 (5.5)	109.7 (6.9)	143.8 (9.1)
	pres.	psi (kPa)	7.0 (48.3)	7.3 (50.3)	7.4 (51.0)	8.7 (60.0)	8.7 (60.0)
	header connection		6"	6"	6"	6"	6"
Condenser Line Sizes * (ODS,ACR)	discharge line		3/4"	3/4"	7/8"	7/8"	7/8"
	liquid line		1/2"	1/2"	1/2"	5/8"	5/8"
Sound	average	dBa	83	85	90	93	92
	maximum	dBa	88	90	95	98	97
Weight	weight	lbs. (kg)	1050 (475)	1150 (525)	1268 (577)	1379 (627)	1555 (707)
Unit Size	length	in. (mm)	52" (1321)	52" (1321)	52" (1321)	52" (1321)	52" (1321)
	width	in. (mm)	26" (660)	26" (660)	26" (660)	26" (660)	26" (660)
	height	in. (mm)	62" (1575)	62" (1575)	68" (1727)	68" (1727)	68" (1727)

NOTE: Operating conditions for chiller: 44°F/54°F circulating water temperature; 115°F saturated discharge temperature.