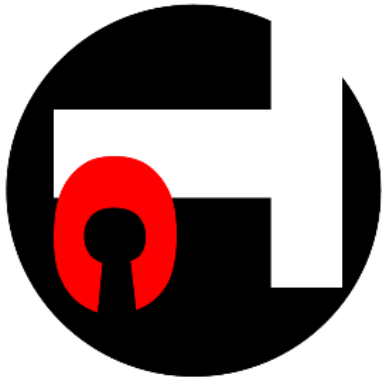


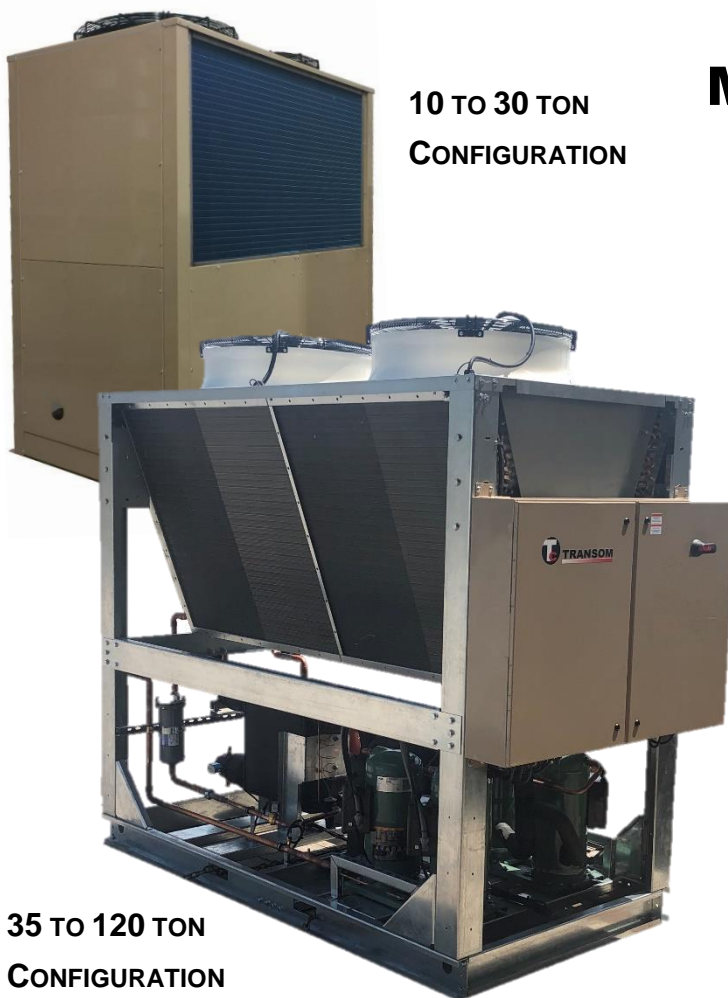
RAWSON

AIR COOLED CHILLERS



**AIR COOLED
CAPACITIES FROM 10 TO 120 TONS
UP TO 12 MODULES
MAX CONFIGURATION 1440 TONS**

TRANSOM



**10 TO 30 TON
CONFIGURATION**

**35 TO 120 TON
CONFIGURATION**

MAIN FEATURES

- AIR COOLED
- 2, 4 STAGE OR VFD
- SIZES FROM 10 TO 120 TONS
- UP TO 12 MODULES
- REDUNDANCY N+1, N+2
- CAPACITY CONTROL
- HIGH TURN DOWN
- SCROLL COMPRESSORS
- FIXED STAGED FANS
- EC AND VFD FAN SPEED CONTROL
- DUAL CIRCUIT
- CIRCULATION PUMP
- NO CROSS CONTAMINATION
- BRAZED PLATE HX
- LOW AMBIENT KIT
- HEAD PRESSURE CONTROL
- SMALL FOOT PRINT
- SERVICE ACCESS



MASTER CONTROLLER
ALLOWS MULTIPLE CHILLERS
TO OPERATE AS ONE ENTITY

NO MATTER HOW MANY STAGES, THE
MASTER CONTROLLER MAINTAINS
THE SAME SET POINT REFINEMENT

EACH MODULE HAS A CONTROLLER
AND IS AN **INDEPENDENT CHILLER**

1 – Once the measure temp is outside the Dead Band then the Master Controller will add one more stage.

4 – If, at the end of the DBT the measured temperature is still outside the DB range then the Master Controller will add yet another stage.

Dead Band = +1°F

Set Point

Dead Band = -1°F

3 – At the end of the DBT the Master controller will check to see if the measured temp is within the DB range.

2 – As it adds one more stage the Dead Band Timer (DBT) will start. (Default 300 sec)

5 – When the temperature reaches the lower Dead Band the controller starts the 300 sec. and does the same but unloads the stages.

CONTROL FEATURES

- Control Band Width
- Control Strategies FIFO/LIFO
- Remote start / stop
- Remote Alarm
- BMS communication
- Flow Demand / interlock
- Min run time
- Min off time
- 2nd comp start up delay
- Freeze Point Protection
- Near Freeze Point
- High Pressure alarm
- Low Pressure alarm

FLEXIBLE DESIGN

- ALLOWS FOR EASY INSTALLATION
- LIVE ADDITION OR SERVICING OF MODULES.
- FUTURE EXPANSION
- CAPACITY CONTROL ALLOWS FOR
 - STABILITY
 - TURN DOWN
 - QUICK RAMP UP





Condenser complete with:
 Condenser fan
 External rotor motor
 Swept blade design
 Venturi

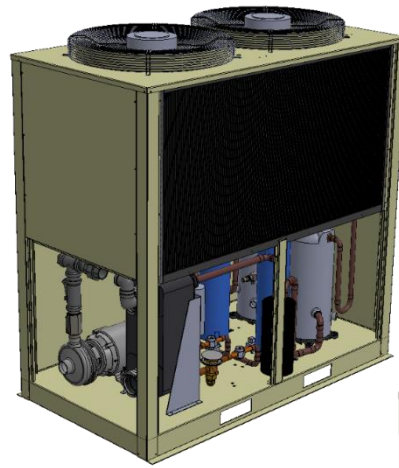
Low Temperature Operation
 Head pressure control valve
 Check valve
 Receiver

Liquid Line
 Suction pressure sensors
 Discharge pressure sensors
 Filter/drier
 Sight glass
 Solenoid valve
 TX valve
 High pressure switch

Electrical Panel
 Controller and interface screen
 Disconnect
 Contactors & O/L
 Compressor protection
 Relays
 Transformers

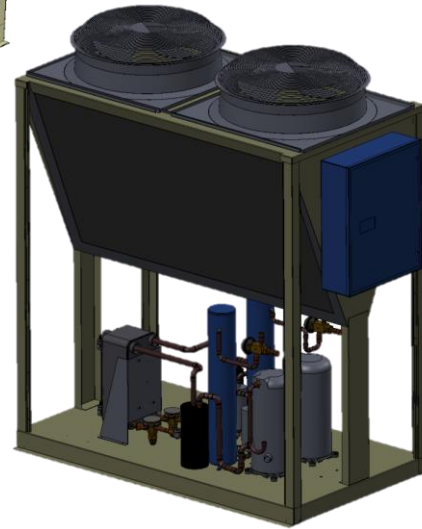
Evaporator Pump
 Centrifugal pump
 Check valve
 Flow switch
 Isolation valve

Serviceable
 All common refrigeration and electrical components and service points accessible from front and sides.



Dimensions	
Length	65"
Width	34"
Height	65"

Power Source	
208-230/3/60	
460/3/60	
575/3/60	



Dimensions	
Length	100"
Width	50"
Height	98"



VARIABLE FLOW THRU STAGING PUMPS

- EACH RAWSON CHILLER IS EQUIPPED WITH A CENTRIFUGAL PUMP.
- WHEN MULTIPLE CHILLERS ARE MOUNTED TOGETHER THEY ARE OPERATED BY THE MASTER CONTROLLER.
- 1ST STAGE PUMP IS ALWAYS ON.
- THE NEXT STAGE MODULE'S PUMP WILL STAGE OFF WHEN THE MODULE STAGES OFF.
- RESULTING IN A VARIABLE FLOW SYSTEM, REDUCING POWER CONSUMPTION.
- KEY FACTORS:
 - FLOW FOR EACH INDIVIDUAL MODULE REMAINS CONSTANT.
 - SYSTEM FLEXIBILITY WHILE RETAINING CHILLER STABILITY.

Other Products



TRENT CHILLER

- Capacities available in From 2 to 8.5 ton
- Year-round operation
- Floating head pressure control
- 2 Stage scroll compressors
- Energy savings features
- Low temperature kit included
- Brazed Plate HX
- Built-in centrifugal pump
- Flow switch
- Swept fan blade design
- Variable speed fan
- Hydrophobic coated coil



HATCH HEAT PUMP

- Low air source heat pump
- Source temp -5F up to 90F
- Discharge 120F to 180F
- Scroll and Recip Compressors
- Economizer circuit
- Electric de-frost
- Built in pumps (Duty / Standby)
- Elec back up
- EC variable sped fans
- Modular



LAMBERT CHILLER

- Capacities available in 20 to 80 ton
- Up to 12 modules
- Redundancy N+1, N+2
- Capacity control
- High turn down
- Brazed plate heat exch.
- Water cooled
- Premade modular header
- Scroll compressors
- Dual circuit
- No cross contamination
- Smallest foot print
- Service access



KILLARNEY PUMP SKID

Capacities available 5-5000 GPM

- Inline or end suction
- Duty / Standby
- Auto switch over on alarm
- Headers, Isolation valves
- Check valve
- Fixed speed or VFD
- Open stainless reservoir
- Air Separator & Vent valve
- Expansion tank
- Glycol Make up tank/assy

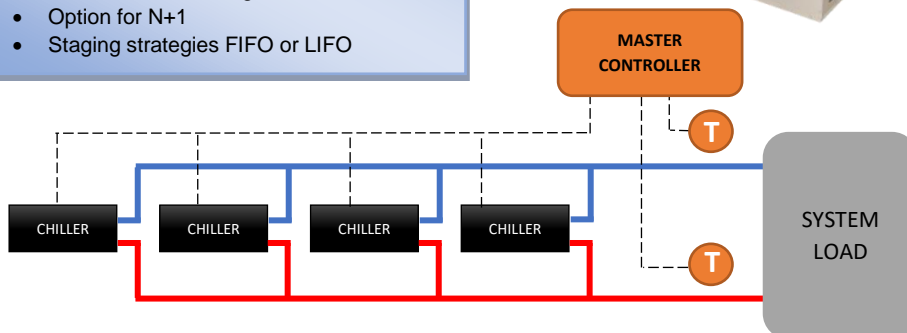
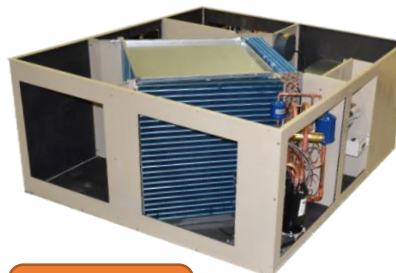
TOPAZ MHP

- Heat Recovery and Heat Pump unit
- 250- 3200 CFM
- Flat Plate HX recovers most of the heat
- Heat Pump generates higher heat
- EC backwards curved blowers
- Tube and fin heat pump coils
- Defrost accessories
- Indoor and Outdoor model



MASTER CONTROLLER

- Multiple chillers hooked up in parallel
- Incremental capacity
- Variable flow system
- Master controller stages chillers on/off
- Option for N+1
- Staging strategies FIFO or LIFO



TRANSOM CORPORATION

40 Mills Rd, Unit L
Barrie, ON
L4N 6H4
Canada

Ph: 705-796-6240
info@transomcorporation.com
www.transomcorporation.com