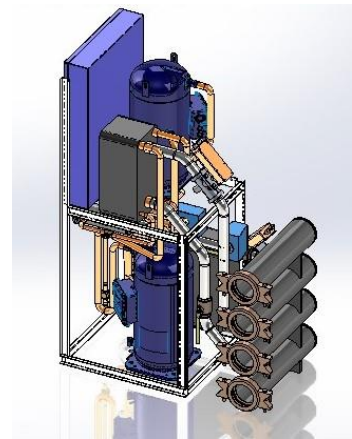


LAMBERT MODULAR CHILLERS



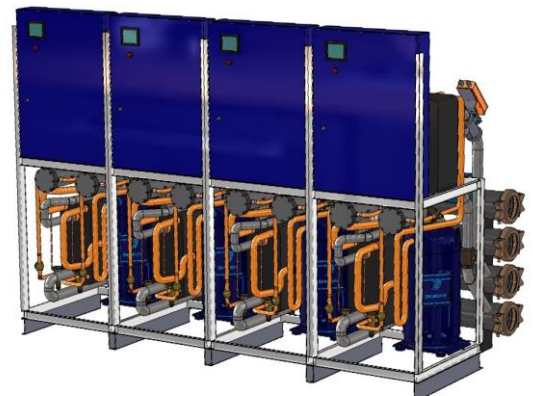
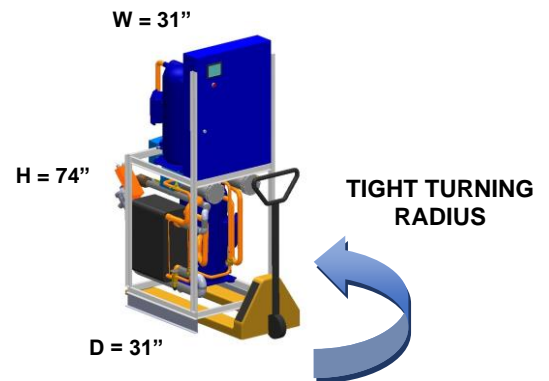
TRANSOM

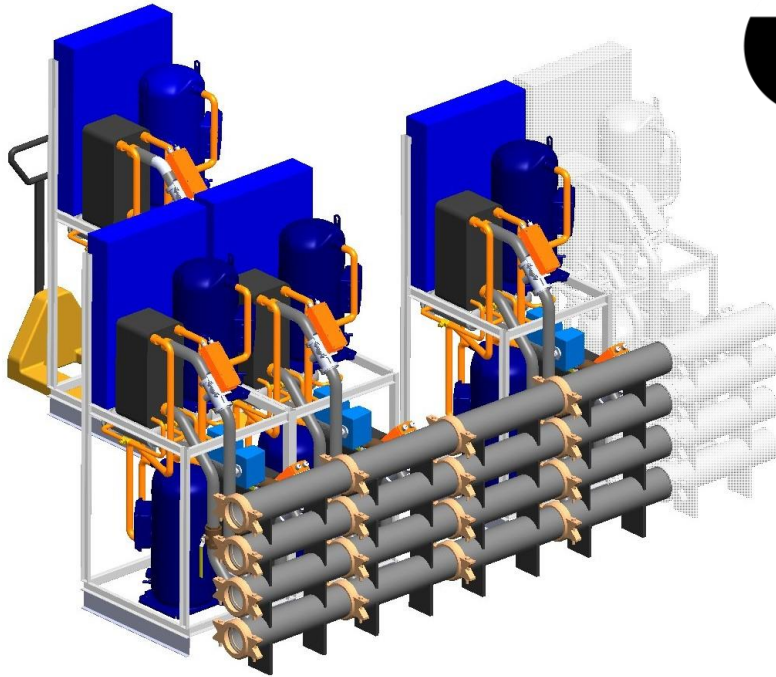
**WATER COOLED
CAPACITIES
FROM 20 TO 80 TONS
UP TO 12 MODULES
MAX CONFIGURATION
960 TONS**



MAIN FEATURES

- WATER COOLED
- SIZES FROM 20 TO 80 TONS
- UP TO 12 MODULES
- REDUNDANCY N+1, N+2
- CAPACITY CONTROL
- HIGH TURN DOWN
- PRE-MADE MODULAR HEADER
- SCROLL COMPRESSORS
- DUAL CIRCUIT
- NO CROSS CONTAMINATION
- BRAZED PLATE HX
- SMALLEST FOOT PRINT
- SERVICE ACCESS





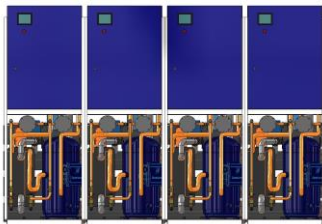
FLEXIBLE DESIGN

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

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



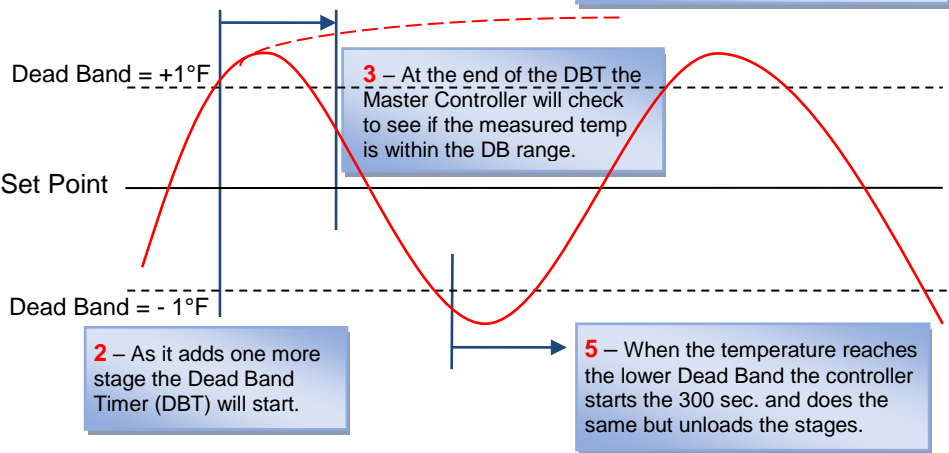
MASTER CONTROLLER
ALLOWS MULTIPLE CHILLERS TO
OPERATE AS ONE ENTITY



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.



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



COMPONENTS

Compressors
Dual Circuit
R410A

Evaporator complete with:
Vent Valve
Drain Valve
Temp Sensors
Flow Switch
Isolation Valve

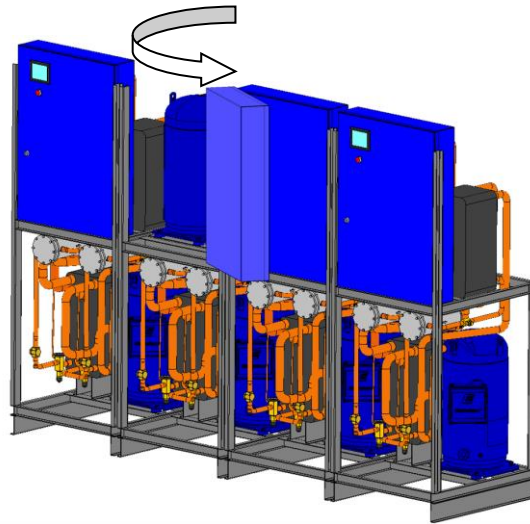
Condenser complete with:
Vent Valve
Drain Valve
Temp Sensors
Flow Switch
Isolation Valve

Liquid Line
Suction Pressure Sensors
Discharge Pressure Sensors
Filter/Drier
Sight Glass
Solenoid Valve
TX Valve
High Pressure Switch

Elec Panel
Controller and Interface Screen
Disconnect
Contactors & O/L

External Header Assy
Isolation valve
Flex Joint
Connection Pipe

FRONT SERVICEABLE
All common refrigeration and electrical components and service points accessible from front.

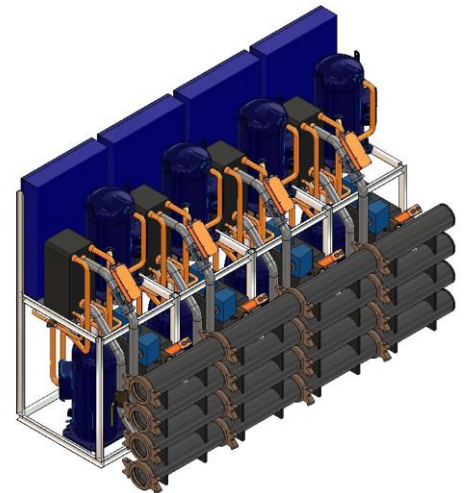


FRONT SERVICEABLE

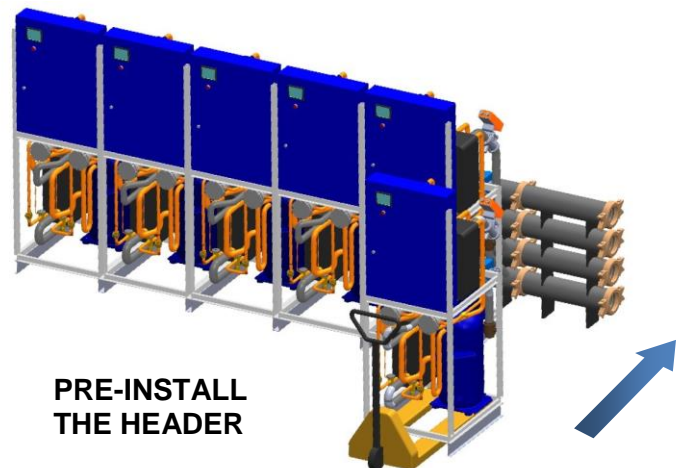
- EACH MODULE HAS AN HINGED ELECTRICAL PANEL.
- THIS ALLOWS ACCESS FROM THE FRONT OF THE UNIT.
- MODULES CAN NOW BE MOUNTED IN TIGHTER SPACES
- BACK ACCESS IS BENEFICIAL BUT NOT REQUIRED.

OPTIONAL VARIABLE FLOW

- ISOLATION VALVES AND FLOW SWITCHES ON BOTH THE EVAPORATOR LINE AND THE CONDENSER LINE FOR EACH MODULE ALLOWS FOR VARIABLE FLOW PRIMARY LOOP
- WHILE THE FLOW FOR EACH INDIVIDUAL MODULE REMAINS CONSTANT ALLOWING FOR OVER ALL SYSTEM FLEXIBILITY WHILE RETAINING CHILLER STABILITY



- PRE-MADE HEADER AND MASTER CONTROLLER MAKES INSTALLATION VERY FUNCTIONAL.
- ONCE THE HEADERS ARE PRE-FITTED LIKE A MECCANO SET.
- NO CUTTING OR FITTING
- HEADERS CAN BE PRE-SHIPED FOR HYDRONIC INSTALLATION,
- LEAK TEST & AERATING COMPLETED PRIOR TO CHILLERS ARRIVING AT SITE.



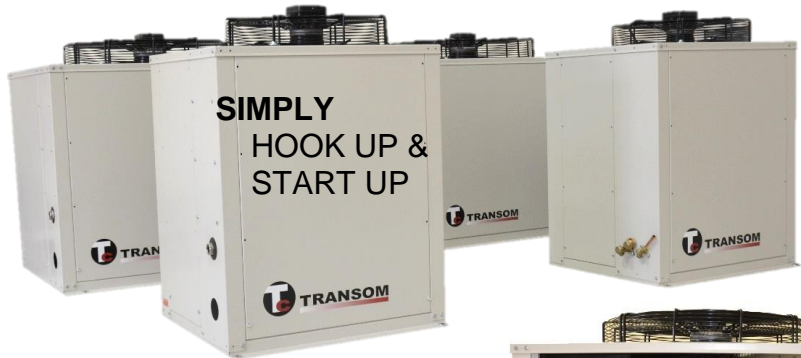
PRE-INSTALL THE HEADER

Other Products



TRENT CHILLER

- Capacities available in **2 to 8.5 tons**
- Year-Round operation
- Floating Head Pressure Control
- 2 Stage Scroll Compressors
- Energy savings features
- Low Temperature Kit Included
- Floating Head Pressure Control
- Brazed Plate HX
- Built-in Centrifugal Pump
- Flow Switch
- Swept Fan Blade Design
- Variable Speed Fan
- Hydrophobic Coated Coil



RAWSON CHILLER

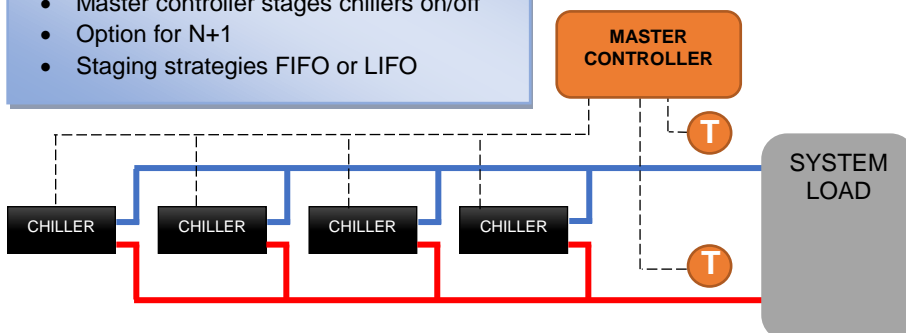
- Capacities available from
- 10 to 32 ton
- Year-round operation
- 2 Stage control
- Energy savings features
- Low temperature kit included
- Brazed Plate HX
- Built-in centrifugal pump
- Flow switch
- Swept fan blade design

DATA ROOM CONDENSING UNIT

- Capacities Available in **2, 3, 4 and 5 ton**
- Year-Round operation
- Floating Head Pressure Control
- 2 Stage Scroll Compressors
- Energy savings features
- Low Temperature Kit Included
- Swept Fan Blade Design
- Variable Speed Fan
- Hydrophobic Coated Coil

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



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