

# Water Cooled Information

**FILL OUT THIS FORM - SAVE TO YOUR DESKTOP AND EMAIL TO [SALES@MCSCONTROLS.COM](mailto:SALES@MCSCONTROLS.COM)**

Company: \_\_\_\_\_ Phone: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_ Email: \_\_\_\_\_

Mobile: \_\_\_\_\_ Jobsite: \_\_\_\_\_

Chiller Manufacturer	Chiller Model Number	Chiller Serial Number	Refrigerant Type

How are the new controls from MCS provided:      In MCS Control Enclosure      Field mount new boards in existing cabinet

How many Circuits? \_\_\_\_\_ How many compressors per circuit? \_\_\_\_\_

1. Compressor Model(s):    Comp #1: \_\_\_\_\_    Comp #2: \_\_\_\_\_    Comp #3: \_\_\_\_\_    Comp #4: \_\_\_\_\_

2. What is the compressor's Full Load Amps (FLA)?    Comp #1: \_\_\_\_\_    Comp #2: \_\_\_\_\_    Comp #3: \_\_\_\_\_    Comp #4: \_\_\_\_\_

3. Does / Will unit have a refrigerant Level Sensor      Yes      No    If no, MCS will control on Suction Superheat.

    If yes, is the Level Sensor located on:      Evaporator      Condenser

        Level Sensor Model: \_\_\_\_\_      Signal Output? \_\_\_\_\_

4. What model EXVS will you be using for: refrigerant level/superheat control? \_\_\_\_\_ How many EXVS? \_\_\_\_\_

5. Does / Will you be using a staging valve for each compressor?      Yes      No  
(comes off the discharge of compressor BEFORE the check valve and goes back to suction side of compressor. Each compressor will have its own valve)

    If yes, what model valves?    Comp #1: \_\_\_\_\_    Comp #2: \_\_\_\_\_    Comp #3: \_\_\_\_\_    Comp #4: \_\_\_\_\_

6. Does / Will you be using a (LBV) load balancing valve (aka hot gas valve) on the unit?      Yes      No  
(comes off the discharge of compressor AFTER the check valve)    If yes, what model valve? \_\_\_\_\_

7. Will MCS control the Condenser?      Yes      No    Condenser type? \_\_\_\_\_

    Will the Condenser Water Pump be wired or will a Condenser Isolation Valve be used? \_\_\_\_\_

    If Air Cooled, Common Condenser?      Yes      No

    If yes, how many fans? \_\_\_\_\_ If no, how many fans per circuit? \_\_\_\_\_ VFD on first fan, per circuit?      Yes      No

8. Will MCS control the Evaporator?      Yes      No    If yes, 1 or 2 pumps? \_\_\_\_\_ VFD's?      Yes      No

9. Is there an Economizer on this chiller?      Yes      No    Type of Economizer? \_\_\_\_\_

    If 'None', what type of econo control used to the compressor? \_\_\_\_\_  
(EXV modulated based on econo superheat(requires econo suct psi & Temp)

10. Will the unit be communicating to BMS?      Yes      No    What Protocol will be used to BMS? \_\_\_\_\_

**COMMENTS (is there any other information we should know?):**