

Serial number : 100081
Chiller model : P30170-22482-1 Customer : COHERENT
Contract number : 100267769 Date : 12/20/18
Tester : DANDY UY
(Fields marked with * are optional. Fields that are not filled out mean function not installed)

Signal check (LED, SUBD, Display)

*Conductivity – limit contact : 10 μ S ☒ OK
*Cond. Calibration: A17 , PhyL: PhyH:400 LogL: LogH: 10.4
*Water pressure – limit contact : bar ☐ OK
*Press. Calibration: , PhyL: PhyH: LogL: LogH:
Adjust flow 1, check signal : min. 1.5 l/min, max. 30 l/min ☒ OK
*Adjust flow 2, check signal : min. l/min, max. l/min ☐ OK
*Industrial water (for WW – chiller) : l/min ☐ OK
Water level on SUB D : Warning ☐ OK, Alarm ☒ OK
*Check high pressure (refrigerant) : ☐ OK
*Check low pressure (refrigerant) : ☒ OK
*Bypass : ☒ yes ☐ no
*Alarm ambient temperature : °C ☐ OK
*Alarm high/low temperature : min. 12 °C, max. 37 °C ☒ OK
*Remote start 24V : ☐ OK KEY ON/OFF START
*Interface RS232 : ☒ OK

Coolant water circuit measurement values----- Tolerances:

Test load - number : TTA02 -- --
Circuit 1 pressure : 3.5 bar +/- 0,2 bar
Circuit 1 flow : 17.5 l/min +/- 0,5 l/min
*Flow calibration : 530 Impulse ☐ OK +/- 5%
*Circuit 2 pressure : bar +/- 0,2 bar
*Circuit 2 flow : l/min +/- 0,5 l/min
*Flow calibration : Impulse ☐ OK +/- 5%
*Pump bypass max. pressure : bar ☐ OK +/- 0,5 bar
Closeness tank : ☐ OK (0,5 bar permanent, short time max. 1bar)
Signal test, coolant water circuit _DU 12/20/18_____ Name / Datum

Function / cooling power test

Test load – number : TTA03 -- --
Software version : 0.82R Language CCC: ☐ E ☐ G
Ambient temperature : °C
*Industrial water : 18 °C, l/min at bar
Thermal input of test load : 1700 W
Outlet temperature : 20 °C
Outlet sensor calibration : -0.9 °C ☒ OK
Flow : 17.5 l/min
*Temperature stability +/- 0.1 actual
Condensation temperature : °C
Evaporation temperature : °C

Refrigerant volume adjusted : ☒ OK
 *Fan speed control : ☐ OK
 *Max. speed : °C
 *Min. speed : °C
 *Min. set speed : %
 Air flow : ☐ out, ☐ in
 Current consumption 230 V 60 Hz total at full load : 10 A
 V Hz total at full load : A
 V Hz total at full load : A
 V Hz total at full load : A
 Screening units : ☐ OK
 *Heater check : ☐ OK
 run - in time pump : 45 hours
 Test duration : 6 hours
 Function tested DU 12/20/18 name / date

Completion chiller

Cleaning inside/outside : ☒ OK
 Optical check : ☒ OK
 New filter cartridge : 5 µm, ☒ OK
 *New filter cartridge industrial water : 50 µm, ☒ OK
 GND conn. checked (side/top panel) : ☒ OK
 Top/side panels mounted : ☒ OK
 Label and stickers like sample : ☒ OK
 Screw check : ☒ OK
 Water connections as default : ☐ OK
 Spare parts package (delivery suppl.) : ☐ OK
 Manual : ☐ OK
 *Test protocol : ☒ OK
 E-Manager protocol : ☐ OK
 Type plate : ☒ OK
 Main connector CCC fixed : ☒ OK
 *Fixing holes checked : ☐ OK

Additional Signal check (SUBD):

*Ambient temperature : °C
 *Water temperature : °C ☐ OK
 *Condenser temperature : °C ☐ OK
 *Flow / water level (open) : >10 M Ω ☐ OK
 *Flow / water level (closed) : < 1 M Ω ☐ OK
 *DI-sensor (open) : >10 M Ω ☐ OK
 *DI-sensor (closed) : < 1 M Ω ☐ OK

Tested: DANDY UY

Name:

Date: 12/20/18

Overall test and approval

Pascal Stoltz

Manager QS

Date: