



623	Loss of cooling					Fatal Alarm
Description	The refrigeration systems tries to cool down but Tsup is above Tret					
Cause	No cooling capacity					
Trouble shooting	<p><u>Possible causes:</u></p> <ul style="list-style-type: none"> • System leak – loss of refrigerant • Defective compressor valve plate(s) • Defective compressor • Defective valves • Evap fan direction <p><u>Trouble shooting:</u></p> <ol style="list-style-type: none"> 1. Try to correct the error by uploading the latest software version to the controller. 2. Check refrigerant level. If low, find leak point, repair and recharge unit 3. Check the function of these valves: Vexp, Veco and Vhg. Perform a function test and troubleshoot according to the test alarms 4. If the compressor has low performance, isolate the compressor. Recover the refrigerant from the compressor and check LP and HP valve plates for damage. Defective valve plates can be replaced if the bore of the cylinder is not damaged 5. Replace the defective compressor if replacement of valve plates is not possible or if another part of the compresor is defective 6. Please check Evap fan motor direction, make sure the wiring is according to the wiring schematic 					
Criteria	Compressor running AND evaporator heaters are off AND Trest is 0.5°C below Tsup AND inrange LED is off AND requested capacity is -100. All above criterias must be true for 120 min. before the alarm is activated.					
Controller action	Unit stops until it is power cycled					
	Log	X	Alarm	X	Alarm light	Quick flash
Consequence	Unit stops until it is power cycled					
Elimination						
Log data	Parm 1	Parm 2	Parm 3	Parm 4	Parm 5	
	Tret	Tsup	FCType	FreqAct	Hevap pct.	