

623	Loss of cooling					Fatal alarm
<b>Description</b>	The refrigeration systems tries to cool down but Tsup is above Tret.					
<b>Cause</b>	<ul style="list-style-type: none"> <li>• Unexpected behaviour in old software version.</li> <li>• System leak – loss of refrigerant.</li> <li>• Defective compressor valve plate(s).</li> <li>• Defective compressor.</li> <li>• Defective valves.</li> <li>• Evap fan direction.</li> </ul>					
<b>Trouble shooting</b>	<ol style="list-style-type: none"> <li>1. Try to correct the error by uploading the latest software version to the controller.</li> <li>2. Check refrigerant level. If low, find leak point, repair and recharge unit.</li> <li>3. Check the function of these valves: Vexp, Veco and Vhg. Perform a function test and troubleshoot according to the test alarms.</li> <li>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.</li> <li>5. Replace the defective compressor if replacement of valve plates is not possible or if another part of the compresor is defective.</li> <li>6. Please check Evap fan motor direction, make sure the wiring is according to the wiring schematic.</li> </ol>					
<b>Criteria</b>	Compressor running AND evaporator heaters are off AND Tret 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.					
<b>Controller action</b>	Unit stop flag.					
	Log	X	Alarm	X	Alarm light	Quick flash
<b>Consequence</b>	Unit stops until it is power cycled.					
<b>Elimination</b>						
<b>Log data</b>	Parm 1	Parm 2	Parm 3	Parm 4	Parm 5	
	Tret	Tsup	FCType	FreqAct	Hevap%	