

York YT Fault Code Quick Reference

York - YT fault codes | Model Type: Centrifugal Chiller (Air-Cooled)

Code	Alarm Description	Severity	Probable Causes	First Inspection Step
E1	Compressor motor over-temperature	Warning	Motor bearing failure; Motor cooling insufficient; High ambient temperature	Check motor temperature
E2	Guide vane position fault	Warning	Actuator motor failure; Position sensor fault; Mechanical binding	Check actuator
E3	VSD communication fault	Warning	Cable damaged; VSD controller offline; Protocol mismatch	Check cable
E4	VSD over-temperature	Warning	Heatsink temperature high; Cooling fan failure; Ambient too high	Check VSD temp
E5	Surge alarm	Warning	Near surge line; Condenser conditions severe; Charge incorrect	Check conditions
E6	Condenser fan fault	Warning	Fan motor failure; Fan speed controller fault; Blade damage	Check fan motor
E7	High condenser pressure	Warning	Condenser coil fouled; Condenser fan failure; High ambient	Clean coils
E8	Low evaporator temperature	Warning	Low refrigerant charge; Expansion valve issue; Low water flow	Check charge
E9	Oil pressure low	Critical	Oil pump failure; Filter clogged; Low oil level	Check oil level
EA	Oil temperature high	Warning	Oil cooler fouled; Bearing wear; High discharge temp	Check oil cooler
EB	Motor current overload	Warning	Bearing failure; Voltage imbalance; Mechanical overload	Measure current
EC	Evaporator water flow fault	Warning	Pump stopped; Flow switch fault; Strainer clogged	Verify pump
ED	Phase fault	Warning	Phase loss; Incorrect sequence; Blown fuse	Check phases
EE	Communication fault	Warning	Network cable fault; Controller offline; Protocol mismatch	Check cable
EF	Freeze protection	Critical	Evaporator water temp near freezing; Water flow too low; Setpoint too low	Check water temp
F1	Compressor vibration alarm	Warning	Mounting bolts loose; Bearing wear; Foundation issue	Measure vibration
E10	Compressor motor bearing temperature high	Warning	Bearing lubrication inadequate; Bearing wear; Cooling oil flow insufficient	Check bearing temp sensors
E11	Low refrigerant charge detected	Warning	Refrigerant leak; Subcooling below expected; Level sensor indicating low	Check subcooling

Code	Alarm Description	Severity	Probable Causes	First Inspection Step
E12	High oil discharge temperature	Warning	Oil cooler inefficiency; Bearing friction; High discharge temp	Check oil cooler
E13	Variable geometry inlet fault	Warning	Inlet guide vane actuator failure; Position sensor fault; Mechanical binding	Check actuator
E14	Pumpdown sequence fault	Warning	Pumpdown solenoid not closing; Pressure not reaching threshold; Timer expired	Check solenoid
E15	Surge detection alarm	Warning	Operating near surge line; Condenser conditions severe; Charge incorrect	Check conditions vs map
E16	Oil leak detection	Warning	Oil leak detected; Oil level low; Leak detector fault	Check oil level
E17	VSD speed feedback fault	Warning	Speed sensor failure; Feedback wiring damaged; Alignment off	Check sensor
E18	VSD motor overload	Critical	Motor excessive current; VSD parameters wrong; Mechanical overload	Check motor current
E19	VSD DC bus overvoltage	Warning	Regenerative energy; Braking resistor fault; Input voltage high	Check DC bus voltage
E20	VSD DC bus undervoltage	Warning	Input voltage sag; Capacitor degradation; Power supply issue	Check input voltage
E21	VSD output phase loss	Critical	Output terminal loose; Power module failure; Cable damaged	Check output voltage
E22	VSD ground fault	Warning	Ground fault on output; Motor insulation breakdown; Cable damaged	Check with megohmmeter
E23	VSD communication timeout	Warning	Communication timeout; VSD not responding; Network issue	Check timeout settings

Disclaimer: All fault code data is for reference only. Do not use this information to replace certified professional HVAC technician judgment. Always refer to original OEM official service manual.