

SYSTEM START -UP CHECK LIST

Customer _____ Job Name _____
 City / State _____ System No. _____ Date _____
 Condensing Unit Model No. _____ Serial No. _____
 Evaporator Model No. _____ Qty. _____ Serial No. _____
 Room No. or Name _____ Design Temp. _____ °F Size(Ft.) _____ L x _____ W x _____ H
 Suction Line _____ OD Liquid Line _____ OD Equivalent Length _____ Ft. Liquid Lift _____ Ft.
 Leak Test at _____ PSIG, For _____ Hours System is Leak Free _____
 Evacuated _____ Times to _____ Microns + Final Vacuum to _____ Microns, for _____ Hours Total Hrs _____
 Sight Glass Dry _____ Pressure Controls Set _____ Thermostat Set _____ Outdoor Ambient _____ °F
 Design Voltage _____ Test Volts _____ Control Circuit Volts _____
 Disconnect Fuse Size _____ Amps Control Circuit Fuse _____ Amps Estimated Refrigerant Charge _____ Lbs.
 Refrigerant R- _____ Charge _____ + _____ + _____ = _____ Total Lbs. Sight Glass Clear _____
 Compressor Oil Level _____ Glass Evap. Fans Running _____ Room Temp at Start-up _____ °F
 Room Temp. at 1 Hr. _____ °F Compressor Oil Level _____ Glass Defrost Timer Set _____
 Room Temp. at 2 Hr. _____ °F Compressor Oil Level _____ Glass Sight Glass Clear _____
 Room Temp. at 4 Hr. _____ °F Compressor Oil Level _____ Glass Outdoor Ambient _____

Electrical Component	Specplate Amps	Test Amps		
		L1	L2	L3
Compressor	_____	_____	_____	_____
Condenser	_____	_____	_____	_____
Evaporator	_____	_____	_____	_____
Defrost Heaters	_____	_____	_____	_____

Evaporator Suction Temp _____ °F Evaporator Suction Pressure _____ PSIG
 Convert PSIG to _____ °F Evaporator Superheat _____ °F
 Compressor Suction Temp _____ °F Compressor Suction Pressure _____ PSIG
 Convert PSIG to _____ °F Compressor Superheat _____ °F Sight Glass Clear _____
 Compressor Discharge Pressure _____ PSIG Compressor Discharge Line Temp _____ °F
 Liquid Temp. Leaving Condensing Unit _____ °F Liquid Temp. Entering Expansion Valve _____ °F
 Evaporator Drain Line Trapped _____, Heated _____, Sloped _____, Will not freeze up _____
 Type of Defrost: _____ Air _____ Electric _____ Hot Gas Defrost Time _____ Min. Is Coil Clean? _____
 Temperature Termination _____ Fan Delay _____ Is Defrost Satisfactory? _____
 Compressor Oil Level _____ Glass Timer Set _____ Defrost per Day with _____ Minute Fail Safe

FINAL CONDITION

Room Thermostat Set at _____ °F	Room Temp. Holding at _____ °F
Evaporator Superheat _____ °F	Sight Glass Clear _____ Pumpdown OK _____
Compressor Superheat _____ °F	Compressor Oil Level _____ Glass
Discharge Line Temperature _____ °F	Suction Pressure _____ PSIG

Start-Up By: _____ Company: _____ Phone: _____

REFRIGERATION SYSTEM SERVICE RECORD

Customer _____ Job Name _____

City / State _____ System No. _____ Date _____

Condensing Unit Model No. _____ Serial No. _____

Evaporator Model No. _____ Qty. _____ Serial No. _____

Room No. or Name _____ Design Temp. _____ °F Actual Room Temp. _____ °F

Date System was Installed _____ Product Stored _____ Total Pounds _____

Routine / Scheduled Preventive Maintenance Service Call Outdoor Ambient _____ °F

Service Requested _____

Service Performed _____

Design Voltage _____ Actual Voltage _____ Refrigerant R- _____

Electrical Component	Specplate Amps	Test Amps		
		L1	L2	L3
Compressor	_____	_____	_____	_____
Condenser	_____	_____	_____	_____
Evaporator	_____	_____	_____	_____
Defrost Heaters	_____	_____	_____	_____

Evaporator Suction Temp _____ °F Evaporator Suction Pressure _____ PSIG

Convert PSIG to _____ °F Evaporator Superheat _____ °F

Compressor Suction Temp _____ °F Compressor Suction Pressure _____ PSIG

Convert PSIG to _____ °F Compressor Superheat _____ °F Sight Glass Clear _____

Compressor Discharge Pressure _____ PSIG Compressor Discharge Line Temp _____ °F

Compressor Oil Level _____ Glass Sight Glass Clear _____ Sight Glass Dry _____

Cond. Coil Clean _____ All Cond. Fans Operate _____ Liquid Temp. Leaving Cond. Unit _____ °F

Room Thermostat Set at _____ °F Room Temperature Holding at _____ °F

Evaporator Coil Clean _____ Drain Pan Clean _____ Fan Blades / Guards Clean _____

All Evap. Fans Operate _____ Room Air Circulation OK _____ Defrosting OK _____

System Pumpdown OK _____ Cooler and Equipment in Safe Condition _____

System Notes: _____

Serviced by _____