



Commissioning & Operation Data Sheet

CUSTOMER / SITE: _____ **DATE:** _____

TECHNICIAN: _____ **SIGNATURE:** _____

Application: _____ Unit / System No: _____

Ambient Temp: _____ Application Temp: _____

EQUIPMENT DETAILS

Compressor / Unit Make & Model: _____ Compressor Make & Model: _____

Evaporator Make & Model: _____ Main Pipe Runs & Sizes: _____

Condenser Make & Model: _____ Disch & L/Ret Pipe Run & Sizes: _____

SYSTEM OPERATION DETAILS

Refrigerant Type: _____ Charge Quantity: _____

Charge Condition In Sight Glass (full, some flash gas, etc): _____

Evap Coil Suction Pressure (Gauge): _____ Equivalent SSToC (A) (PT Chart): _____

Suction Vapour Temp oC @ TXV Bulb (B): _____ **Calculated Evap Superheat K (B-A):** _____

Compressor Suction Pressure (Gauge): _____ Equivalent SSToC (D) (PT Chart): _____

Suction Vapour Temp oC @ Comp SSV (E): _____ **Calculated Comp Superheat K (E-D):** _____

Compressor Discharge Line Pressure (Gauge): _____ Equivalent SCToC (F) (PT Chart): _____

Compressor Discharge Line Temp oC @ DSV (G): _____ **Calculated Discharge Superheat K (G-F):** _____

Liquid Pressure @ LRSV (Gauge): _____ Equivalent SLToC (H) (PT Chart): _____

Liquid Line Temp oC @ LRSV (I): _____ **Calculated Liquid Subcooling K (H-I):** _____

Measured Suction Pressure After Defrost (Gauge) (LT Freezers Only – CPR or MOP TXVSystems): _____ Compressor Oil Level: _____

_____ Compressor Oil Colour / Condition: _____ Compressor Oil Pump Net Pressure (Gauge)

(Forced Feed Compressors Only): _____ Sump Heater Fitted Y/N

Operational During Compressor Off Cycle Y/N Measured Amps Draw: _____

Delta-P differential oil pressure sensor tested (if applicable) **Y/N**

Oil management system (TRAX) tested (if applicable) **Y/N**

CONDENSER

Air On To Condenser oC: _____ Air Off Condenser oC: _____

EVAPORATOR

Air On To Evaporator oC: _____ Air Off Evaporator oC: _____

CONTROLS

LPC C/In (Gauge): _____ LPC C/Out (Gauge): _____ HPC C/In (Gauge): _____ HPC C/Out (Gauge): _____

ELECTRICAL

Design Mains Supply: _____ V _____ Hz _____ Ph

Measured Volts: _____ L1 _____ L2 _____ L3

Measured Current: _____ L1 _____ L2 _____ L3

TEMP CONTROL

Make & Model: _____

Set Point oC: _____ Diff oC: _____

No. Of Def 24H: _____ Defrost duration (mins): _____

Mechanical Safety Klixon Installed (Y/N): _____

Mechanical Klixon tested for operation (Y/N): _____

Defrost Termination Temperature oC: _____

Drip time after defrost (mins): _____

Coil temp before fans on post defrost oC: _____

No. of probes: _____

OTHER OBSERVATIONS: _____

Note – Please ensure operation of compressor sump heater 24 hours prior to system start-up