NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

BESA075H8-HT4D

ES-LINE SEMI-HERMETIC CONDENSING UNITS-AIR

PURCHASER :		SUBMITTED BY :	**Scott Swain**
PROJECT :	**Clover Rev. 3**	DATE :	**28 Mar 2022**
ORDER # :	**06295.40952.00096-A00**	ITEM # :	**1**
QUOTE # :	**Q28CUSSB-A**	ID # :	**Dock (3 required)**
PURCHASER'S PO # :		TAGGING :	

MODEL FEATURES

- Copper tubing secured with cushion clamps
- Crankcase heater
- Discharge and suction vibration eliminators
- High efficiency PSC fan motor with internal overload protection
- Outdoor weather-resistant housing made from G90 galvanized steel
- Pre-formed piping
- Receiver with fusible plug and liquid shut off valve
- Spring mount compressor with discharge vibration eliminator
- Suction Service valve
- Adjustable flooded head pressure control (unless otherwise indicated)
- Units are shipped with Helium holding charge
- Weatherproof electrical control box with compressor contactor and fused control circuit
- Copeland DiscusTM with CoreSense Protection
- High efficiency enhanced copper tube and aluminium fin coil design
- AWEF = 7.6

MODEL OPTIONS (* = Shipped Loose)

OPTION PACKAGES
- [ ] Sml Horiz B (Good@Warm/Moderate)
- [ ] Sml Horiz N (Better@Warm/Moderate)
- [ ] Sml Horiz P (Best@Warm/Moderate)
- [ ] Sml Horiz D (Good@Moderate/Cold)
- [ ] Sml Horiz J (Better@Moderate/Cold)
- [ ] Sml Horiz Q (Best@Moderate/Cold)
- [ ] Sml Horiz K
- [ ] Sml Horiz H

- [ ] **115V Control Circuit**

ADJUSTABLE PRESSURE CONTROLS
- [ ] Johnson Dual with flex hose
- [ ] Separate High/Low
- [ ] Separate High/Low: MAN Reset on HP

BALL VALVE
- [ ] *Liquid Line
- [ ] Liquid Line
- [ ] *Suction Line
- [ ] Suction Line

CAPACITY CONTROL - HOT GAS BYPASS
- [ ] To Inlet of Evaporator
- [ ] To Suction Line
- [ ] **Compressor Circuit Breaker**
- [ ] **Compressor Time Delay Relay**

CONDENSING UNIT PRISON PACKAGE
- [ ] Tamper Proof Screws
- [ ] **Crankcase Pressure Regulator**

CONTACTORS
- [ ] 30A Contactor
- [ ] 40A Contactor
- [ ] 60A Contactor

DEFROST FUSING - SHOW SET QTY
- [ ] Up to 30 Amps
- [ ] 35 Amps to 60 Amps
- [ ] Over 60 Amps

DEFROST KIT (USE W/KE2 EVAP EFF)
- [ ] Up to 30A per Evap
- [ ] 35A to 50A per Evap

- [ ] **Discharge Air Hood**
- [ ] **Discharge Line Check Valve**
- [ ] **Discharge Line Temperature Sensor**
- [ ] **Discharge Muffler**

DISCONNECT SWITCH
- [ ] Fused
- [1] Non-Fused

EC FAN MOTORS + SPEED CONTROLLER
- [1] All Motors Variable Speed - 460V Units

ELECTRONIC PRESSURE CONTROL
- [ ] Low Pressure Control
- [ ] High Pressure Control

- [ ] **Export Crating**

EXTENDED 4-YEAR COMPRESSOR WARRANTY
- [ ] Copeland
- [ ] **Extended Leg Kit**

COIL COATING
- [ ] E-Coat

FIN MATERIAL
- [ ] Gold Coat Fins
- [ ] Copper Fins

- [ ] **Hail Guard for Condenser**
- [1] **Heated and Insulated Receiver**

HOUSING MATERIAL
- [ ] Stainless Steel

- [ ] **Insulated Suction Line**

LIMITROL+ HEAD PRESS CTRL SYSTEM
- [ ] 460V Condensing Units

LIQUID LINE FILTER + SIGHT GLASS
- [ ] Sealed
- [1] Replaceable

- [ ] **Liquid Line Lock-Out Relay**

LIQUID LINE SOLENOID VALVE
- [ ] *Standard 230V Coil
- [ ] *Standard 115V Coil

OIL SEPARATOR
- [1] With Oil Filter and Solenoid

- [ ] **One Time Pump Down**
- [ ] **Oversized Receiver**

PHASE / VOLTAGE MONITOR
- [ ] 3-Lead
- [ ] 6-Lead (MotorSaver455)

- [1] **Pump Down Toggle Switch**
- [ ] **QuickVac Valves**
- [ ] **Receiver Inlet Ball Valve**

RECEIVER LEVEL INDICATOR
- [ ] Dual Sightglass

- [ ] **Single Point Electrical**
- [ ] **Sub Cooling Circuit**

SUCTION ACCUMULATOR
- [ ] With Heat Exchanger
- [1] Without Heat Exchanger

SUCTION FILTER
- [ ] Sealed Type
- [1] Replaceable Core

TIME CLOCK
- [ ] Paragon 8145 Style
- [ ] *230V Paragon 8145 Style
- [ ] *115V Paragon 8145 Style

- [1] **Wind Guard**
- [ ] **Less Flooding Valve(s)**

VOLTAGE	SYSTEM REFRIGERANT	RATING	SUCTION TEMP	AMBIENT TEMP	CAPACITY
460/3/60	**R404A**	**7.5Hp**	**24.4 ºF**	**95 ºF**	**59318 BTUH**

FANS			COMPRESSOR				CIRCUIT TOTAL			
QTY	POWER	FLA/FAN	TYPE	QTY	RLA	LRA	AMPS	WATTS	MCA†	MOP‡
1	**400W**	**1.1**	**2DL3R78KETFDC40**	**1**	**13.8**	**85**	**14.9**		**18.4**	**30**

LIQUID	**5/8 in**	SOUND	**-**	REC CAPACITY	**31 lb**		APPROVALS
SUCTION	**1 3/8 in**	WEIGHT	**780 lb**	REF CHARGE	**18 lb**		

NOTES:
† MCA.. Minimum Circuit Ampacity, ‡ MOP.. Maximum Overcurrent Protection
MCA & MOP are for the condensing unit ONLY. Single point connections WILL show different on dataplate.
AWEF = 7.6 for R404A/R507/R407A/R448A/R449A/R407C. Non-compliant DOE NRCAN model for all other refrigerants

APPROVED BY : **DATE :**

Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

Order Item No: 1

BESA075H8-HT4D

ES-LINE SEMI-HERMETIC CONDENSING UNITS-AIR

NATIONAL REFRIGERATION will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

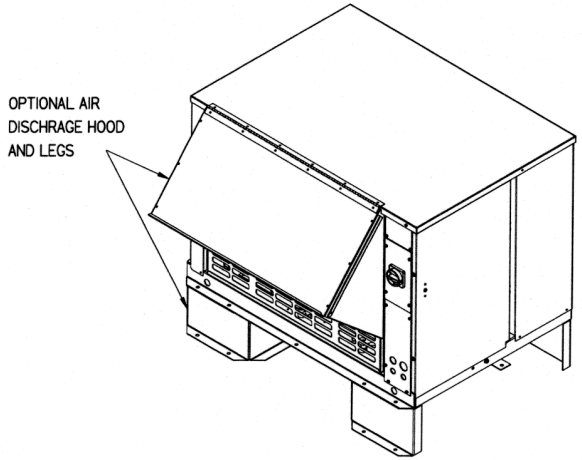
DATE : **28 Mar 2022**
PURCHASER :
PROJECT : **Clover Rev. 3**
SUBMITTED BY : **Scott Swain**

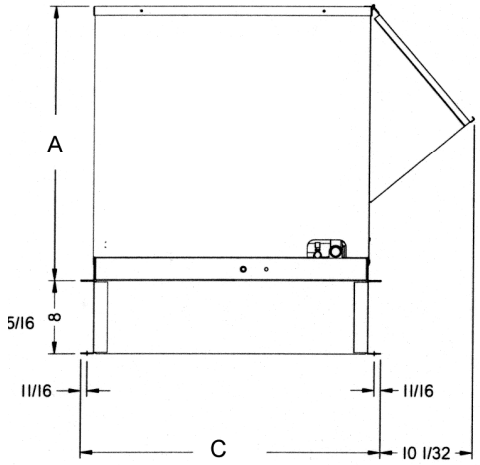
Dimensions shown are for standard unit less options.

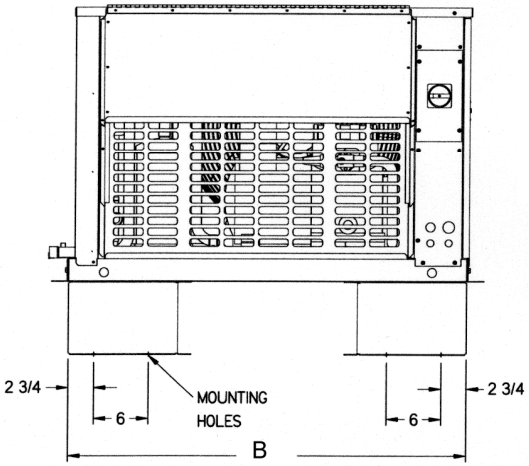
DIMENSIONS	
DIMENSION A	41 7/8 in
DIMENSION B	52 1/8 in
DIMENSION C	35 7/8 in
DIMENSION D	7 in
DIMENSION E	
DIMENSION F	
DIMENSION G	0 in
DIMENSION H	

CONNECTIONS	
LIQUID	5/8 in
SUCTION	1 3/8 in
DRAIN	
WATER	
DISCHARGE	
PAN LOOP	
HOT GAS SIDE PORT	
HOT GAS INLET	
HOT GAS OUTLET	
OTHER	
SHIPPING WEIGHT	780 lb
REFRIGERANT CHARGE	18 lb
RECEIVER CAPACITY	31 lb

APPROVALS			
c UL us			







NOTES:
AWEF = 7.6 for R404A/R507/R407A/R448A/R449A/R407C. Non-compliant DOE NRCAN model for all other refrigerants

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

BMP372ME-T3D

MEDIUM PROFILE EVAPORATOR

PURCHASER :		SUBMITTED BY :	**Scott Swain**
PROJECT :	**Clover Rev. 3**	DATE :	**28 Mar 2022**
ORDER # :	**06295.40952.00096-A00**	ITEM # :	**2**
QUOTE # :	**Q28CUSSB-A**	ID # :	**Dock (3) required**
PURCHASER'S PO # :		TAGGING :	

MODEL FEATURES

- 3/8" Tubing coil construction (reduces refrigerant operating charge)
- Adjustable Fan Delay Thermostat
- Factory installed solenoid valve wire harness
- Heavy gauge textured aluminum cabinet construction resists scratches/corrosion
- NSF approved "flush to ceiling mount"
- Spacious piping end compartment allows for easy assembly
- Unit is shipped upright for convenient handling and quick installation
- Totally Enclosed, Internally Protected, Ball Bearing Motors
- Schrader connection on suction header
- Hinged access panels to spacious electrical and header compartments
- Attractive and durable high density polyethylene fan guards
- Ultra efficient Electronically Commutated Motor (ECM)
- ECM with SmartSpeed Technology
- High efficiency enhanced copper tube and aluminium fin coil design
- 6 FPI
- AWEF = 9.0

MODEL OPTIONS (* = Shipped Loose)

PRE-ASSEMBLED EVAP
- [ ] SmartVap+ with EEV and Solvlv
- [ ] Sporlan TXV, LLSV,T-stat
- [ ] KE2 Evap Efficiency w/Sporlan TXV
- [1] KE2 Evap Efficiency w/Sporlan EEV
- [ ] *KE2 Evap Efficiency w/Sporlan TXV
- [ ] *KE2 Evap Efficiency w/Sporlan EEV

- [ ] **115V Control Circuit**
- [ ] **Aux Sideport Connector**

CABINET FINISH
- [ ] Painted White
- [ ] Stainless Steel

SENSORS FOR CPC BOARDS
- [ ] Coil Temp Sensor
- [ ] Return Air Temp Sensor

DEMAND DEFROST ELECTRONIC CONTROLLER
- [1] KE2 Therm Evaporator Efficiency
- [ ] *KE2 Therm Evaporator Efficiency

- [ ] **Dual Circuit**

ELECTRONIC CONTROLLER
- [ ] SmartVap+ Control Board and Display

EXPANSION VALVE
- [ ] Sporlan TXV
- [1] Sporlan EEV
- [ ] KE2 Therm EEV
- [ ] EEV for SmartVap+

EVAPORATOR PRISON PACKAGE
- [ ] Tamper Proof Screws

- [ ] **Export Crating**

COIL COATING
- [ ] E-Coat

FIN MATERIAL
- [ ] Gold Coat Fins
- [ ] Copper Fins

- [ ] **Insulated Drain Pan**

KE2 THERM
- [ ] *CAT5e Shielded Cable - 50ft w/connectors
- [ ] 40' Leads on Sensors + Transducers
- [ ] Ethernet Adapter Kit
- [ ] *Remote Combo Display

- [ ] ***Liquid / Suction Heat Exchanger**

LIQUID LINE SOLENOID VALVE
- [1] Sporlan

- [ ] **Dual Voltage Coil 120-230V Field Wired**
- [ ] **Nitrogen Charged and Sealed**

ROOM THERMOSTATS
- [ ] Mechanical
- [ ] *Mechanical
- [ ] *Johnson A19ABC
- [ ] *Johnson A421ABC-02C
- [ ] Johnson A421ABC-02

- [ ] **Wire Fan Guards**

REMOTE DEFROST PANEL
- [ ] *230V Control
- [ ] *115V Control

CRN REGISTRATION
- [ ] For Evaporators

VOLTAGE	SYSTEM REFRIGERANT	AIR FLOW	EVAP. TEMP	BOX TEMP	CAPACITY
208-230/3/60	**R404A**	**8590 CFM**	**24.9 ºF**	**35 ºF**	**59318 BTUH**

FANS			HEATERS				CIRCUIT TOTAL			
QTY	POWER	FLA/FAN	TYPE	QTY	AMPS		AMPS	WATTS	MCA†	MOP‡
3	**630W**	**2.2**					**6.6**		**7.2**	**15**
			DEFROST HTRS		**26.7**			**9040**	**33**	**35**

DISTRIBUTOR	**7/8 in**	SOUND	**-**	REC CAPACITY			APPROVALS
SUCTION	**1 5/8 in**	WEIGHT	**372 lb**	REF CHARGE	**14 lb**		

NOTES:
† MCA.. Minimum Circuit Ampacity, ‡ MOP.. Maximum Overcurrent Protection

APPROVED BY : **DATE :**

Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

Order Item No: 2

BMP372ME-T3D

MEDIUM PROFILE EVAPORATOR

NATIONAL REFRIGERATION will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

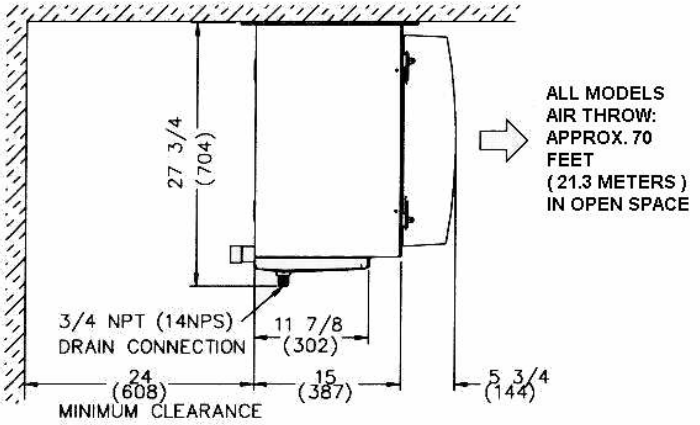
DATE : **28 Mar 2022**
PURCHASER :
PROJECT : **Clover Rev. 3**
SUBMITTED BY : **Scott Swain**

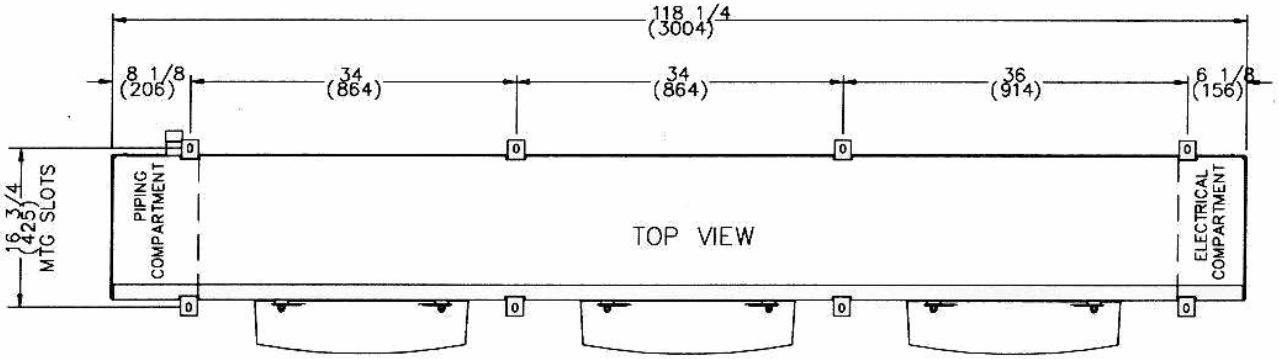
Dimensions shown are for standard unit less options.

DIMENSIONS	
DIMENSION A	118 1/4 in
DIMENSION B	34 in
DIMENSION C	36 in
DIMENSION D	
DIMENSION E	
DIMENSION F	
DIMENSION G	0 in
DIMENSION H	

CONNECTIONS	
DISTRIBUTOR	7/8 in
SUCTION	1 5/8 in
DRAIN	3/4 in
WATER	
DISCHARGE	
PAN LOOP	
HOT GAS SIDE PORT	
HOT GAS INLET	
HOT GAS OUTLET	
OTHER	
SHIPPING WEIGHT	372 lb
REFRIGERANT CHARGE	14 lb
RECEIVER CAPACITY	

APPROVALS			
c UL us	NSF		





NOTES:

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

BEZA045H8-HT4D

EZ-LINE SCROLL CONDENSING UNITS-AIR

PURCHASER :		SUBMITTED BY :	**Scott Swain**
PROJECT :	**Clover Rev. 3**	DATE :	**28 Mar 2022**
ORDER # :	**06295.40952.00096-A00**	ITEM # :	**3**
QUOTE # :	**Q28CUSSB-A**	ID # :	**Cooler (2) required**
PURCHASER'S PO # :		TAGGING :	

MODEL FEATURES

- 3/8" Tubing coil construction (reduces refrigerant operating charge)
- Anti-short cycle time delay
- Adjustable pressure fan cycling control on 2 fan models only
- Copper tubing secured with cushion clamps
- Crankcase heater
- Fan Guard
- Fan motors are inherently protected with internal overloads
- Pre-formed piping
- Receiver with fusible plug and liquid shut off valve
- Suction Service valve
- Adjustable flooded head pressure control (unless otherwise indicated)
- Units are shipped with Helium holding charge
- Weatherproof electrical control box with compressor contactor and fused control circuit
- Welded hermetic Scroll compressor
- Adjustable low pressure control with flex hose / fixed high pressure control
- High efficiency enhanced copper tube and aluminium fin coil design
- Compatible with Low GWP Refrigerants
- Outdoor weatherproof pre-painted steel cabinet
- AWEF = 7.6

MODEL OPTIONS (* = Shipped Loose)

OPTION PACKAGES
- [ ] Sml Horiz B (Good@Warm/Moderate)
- [ ] Sml Horiz N (Better@Warm/Moderate)
- [ ] Sml Horiz P (Best@Warm/Moderate)
- [ ] Sml Horiz D (Good@Moderate/Cold)
- [ ] Sml Horiz J (Better@Moderate/Cold)
- [ ] Sml Horiz Q (Best@Moderate/Cold)
- [ ] Sml Horiz K
- [ ] Sml Horiz H

- [ ] **115V Control Circuit**

ADJUSTABLE PRESSURE CONTROLS
- [ ] Johnson Dual with flex hose
- [ ] Separate High/Low
- [ ] Separate High/Low: MAN Reset on HP

BALL VALVE
- [ ] *Liquid Line
- [ ] Liquid Line
- [ ] *Suction Line
- [ ] Suction Line

CAPACITY CONTROL - HOT GAS BYPASS
- [ ] To Inlet of Evaporator
- [ ] To Suction Line

- [ ] **Compressor Circuit Breaker**

CONDENSING UNIT PRISON PACKAGE
- [ ] Tamper Proof Screws

- [ ] **Crankcase Pressure Regulator**

CONTACTORS
- [ ] 30A Contactor
- [ ] 40A Contactor
- [ ] 60A Contactor

DEFROST KIT (USE W/KE2 EVAP EFF)
- [ ] Up to 30A per Evap

DEFROST KIT (USE W/KE2 EVAP EFF) Continued
- [ ] 35A to 50A per Evap
- [ ] Over 50A per Evap

- [ ] **Discharge Air Hood**
- [ ] **Discharge Line Check Valve**

DISCONNECT SWITCH
- [ ] Fused
- [1] Non-Fused

EC FAN MOTORS + SPEED CONTROLLER
- [1] All Motors Variable Speed - 460V Units

ELECTRONIC PRESSURE CONTROL
- [ ] Low Pressure Control
- [ ] High Pressure Control

- [ ] **Export Crating**

EXTENDED 4-YEAR COMPRESSOR WARRANTY
- [ ] Copeland

- [ ] **Extended Leg Kit**

COIL COATING
- [ ] E-Coat

FIN MATERIAL
- [ ] Gold Coat Fins
- [ ] Copper Fins

- [ ] **Hail Guard for Condenser**
- [1] **Heated and Insulated Receiver**

HOUSING MATERIAL
- [ ] Stainless Steel

- [ ] **Insulated Suction Line**

LIQUID LINE FILTER + SIGHT GLASS
- [1] Sealed
- [ ] Replaceable

- [ ] **Liquid Line Lock-Out Relay**

LIQUID LINE SOLENOID VALVE
- [ ] *Standard 230V Coil
- [ ] *Standard 115V Coil

OIL SEPARATOR
- [1] With Oil Filter and Solenoid

- [ ] **One Time Pump Down**
- [1] **Oversized Receiver**

PHASE / VOLTAGE MONITOR
- [ ] 3-Lead
- [ ] 6-Lead (MotorSaver455)

- [1] **Pump Down Toggle Switch**
- [ ] **QuickVac Valves**
- [ ] **Receiver Inlet Ball Valve**
- [ ] **Single Point Electrical**
- [ ] **Sub Cooling Circuit**

SUCTION ACCUMULATOR
- [ ] With Heat Exchanger
- [1] Without Heat Exchanger

SUCTION FILTER
- [ ] Sealed Type
- [1] Replaceable Core

TIME CLOCK
- [ ] Paragon 8145 Style
- [ ] *230V Paragon 8145 Style
- [ ] *115V Paragon 8145 Style

- [1] **Wind Guard**
- [ ] **Less Flooding Valve(s)**

VOLTAGE	SYSTEM REFRIGERANT	RATING	SUCTION TEMP	AMBIENT TEMP	CAPACITY
460/3/60	**R404A**	**4.5Hp**	**28.1 ºF**	**95 ºF**	**41125 BTUH**

FANS			COMPRESSOR				CIRCUIT TOTAL			
QTY	POWER	FLA/FAN	TYPE	QTY	RLA	LRA	AMPS	WATTS	MCA†	MOP‡
1	**315W**	**1.8**	**ZS33KAE-TFD**	**1**	**10**	**52**	**11.8**		**14.3**	**20**

LIQUID	**1/2 in**	SOUND	**-**	REC CAPACITY	**32 lb**		APPROVALS
SUCTION	**1 1/8 in**	WEIGHT	**425 lb**	REF CHARGE	**11 lb**		

NOTES:
† MCA.. Minimum Circuit Ampacity, ‡ MOP.. Maximum Overcurrent Protection
MCA & MOP are for the condensing unit ONLY. Single point connections WILL show different on dataplate.
AWEF = 7.6 for R404A/R507/R407A/R448A/R449A/R407C. Non-compliant DOE NRCAN model for all other refrigerants

APPROVED BY : **DATE :**

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NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

Order Item No: 3

BEZA045H8-HT4D

EZ-LINE SCROLL CONDENSING UNITS-AIR

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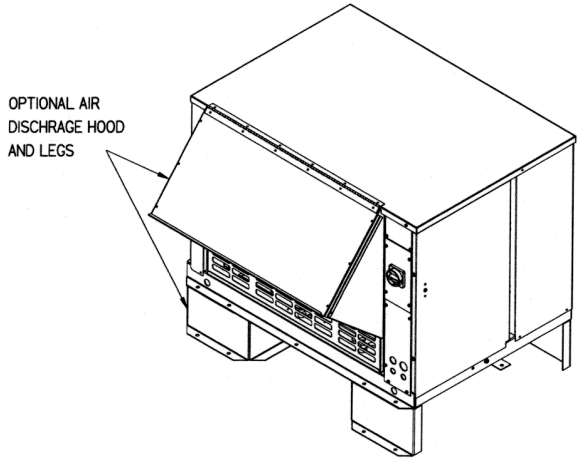
DATE : **28 Mar 2022**
PURCHASER :
PROJECT : **Clover Rev. 3**
SUBMITTED BY : **Scott Swain**

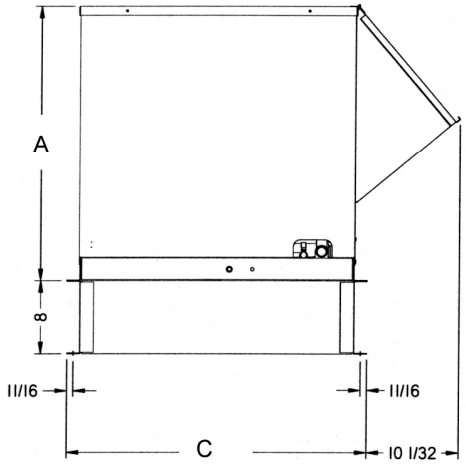
Dimensions shown are for standard unit less options.

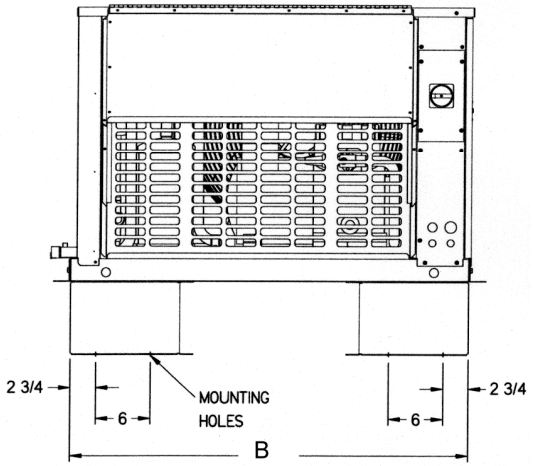
DIMENSIONS	
DIMENSION A	30 3/8 in
DIMENSION B	43 7/8 in
DIMENSION C	32 7/8 in
DIMENSION D	10 1/8 in
DIMENSION E	
DIMENSION F	
DIMENSION G	0 in
DIMENSION H	

CONNECTIONS	
LIQUID	1/2 in
SUCTION	1 1/8 in
DRAIN	
WATER	
DISCHARGE	
PAN LOOP	
HOT GAS SIDE PORT	
HOT GAS INLET	
HOT GAS OUTLET	
OTHER	
SHIPPING WEIGHT	425 lb
REFRIGERANT CHARGE	11 lb
RECEIVER CAPACITY	32 lb

APPROVALS			
c UL us			







NOTES:
AWEF = 7.6 for R404A/R507/R407A/R448A/R449A/R407C. Non-compliant DOE NRCAN model for all other refrigerants

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

BLP422MA-S2D

LOW PROFILE EVAPORATOR

PURCHASER :	SUBMITTED BY : **Scott Swain**
PROJECT : **Clover Rev. 3**	DATE : **28 Mar 2022**
ORDER # : **06295.40952.00096-A00**	ITEM # : **4**
QUOTE # : **Q28CUSSB-A**	ID # : **Cooler (4) required**
PURCHASER'S PO # :	TAGGING :

MODEL FEATURES

- 3/8" Tubing coil construction (reduces refrigerant operating charge)
- Factory installed solenoid valve wire harness
- Heavy gauge textured aluminum cabinet construction resists scratches/corrosion
- Spacious piping end compartment allows for easy assembly
- Hinged drain pan with central universal drain connection (3/4" drain)
- Front access to spacious electrical and header compartments
- Schrader connection on suction header
- Attractive and durable high density polyethylene fan guards
- Ultra efficient Electronically Commutated Motor (ECM)
- ECM with SmartSpeed Technology
- High efficiency enhanced copper tube and aluminium fin coil design
- 6 FPI
- AWEF = 9.0
- Unit Cooler is AWEF/NRCAN compliant with R404A/R507/R448A/R449A/R407A/R407C

MODEL OPTIONS (* = Shipped Loose)

PRE-ASSEMBLED EVAP
- [ ] SmartVap+ with EEV + Solvlv
- [ ] Sporlan TXV, LLSV,T-stat
- [1] KE2 Evap Efficiency w/Sporlan EEV
- [ ] *KE2 Evap Efficiency w/Sporlan EEV

[ ] **Aux Sideport Connector**

CABINET FINISH
- [ ] Painted White
- [ ] Stainless Steel

SENSORS FOR CPC BOARDS
- [ ] Coil Temp Sensor
- [ ] Return Air Temp Sensor

DEMAND DEFROST ELECTRONIC CONTROLLER
- [1] KE2 Therm Evaporator Efficiency
- [ ] *KE2 Therm Evaporator Efficiency

[ ] **Dual Circuit**

ELECTRONIC CONTROLLER
- [ ] KE2 Temp+Defrost
- [ ] SmartVap+ Control Board and Display

EXPANSION VALVE
- [ ] Sporlan TXV
- [1] Sporlan EEV
- [ ] EEV for SmartVap+

[ ] **Evaporator Disconnect Switch**

EVAPORATOR PRISON PACKAGE
- [ ] Tamper Proof Screws

[ ] **Export Crating**

COIL COATING
- [ ] E-Coat

FIN MATERIAL
- [ ] Gold Coat Fins
- [ ] Copper Fins

[ ] **Insulated Drain Pan**

KE2 THERM
- [ ] *CAT5e Shielded Cable - 50ft w/connectors
- [ ] 40' Leads on Sensors + Transducers
- [ ] Ethernet Adapter Kit
- [ ] *Remote Combo Display

[ ] ***Liquid / Suction Heat Exchanger**

LIQUID LINE SOLENOID VALVE
- [1] Sporlan

[ ] **Dual Voltage Coil 120-230V Field Wired**

[ ] **Nitrogen Charged and Sealed**

ROOM THERMOSTATS
- [ ] Mechanical
- [ ] *Mechanical
- [ ] *Johnson A19ABC
- [ ] *Johnson A421ABC-02C
- [ ] Johnson A421ABC-02

[ ] **Wire Fan Guards**

REMOTE DEFROST PANEL
- [ ] *230V Control
- [ ] *115V Control

INSTALLATION REQUIREMENTS
- [1] Minimum slope of 1" per foot on all drain lines
- [1] P-trap per evap required outside of box

VOLTAGE	SYSTEM REFRIGERANT	AIR FLOW	EVAP. TEMP	BOX TEMP	CAPACITY
208-230/1/60	**R404A**	**2820 CFM**	**28.6 ºF**	**38 ºF**	**20562 BTUH**

FANS			HEATERS				CIRCUIT TOTAL			
QTY	POWER	FLA/FAN	TYPE	QTY	AMPS		AMPS	WATTS	MCA†	MOP‡
4	**0.07HP**	**0.6**					**2.4**	**240**	**2.6**	**15**

DISTRIBUTOR	**3/8 in**	SOUND	**-**	REC CAPACITY			APPROVALS
SUCTION	**1 1/8 in**	WEIGHT	**116 lb**	REF CHARGE	**4 lb**		

NOTES:
† MCA.. Minimum Circuit Ampacity, ‡ MOP.. Maximum Overcurrent Protection

APPROVED BY : **DATE :**

Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

Order Item No: 4

BLP422MA-S2D

LOW PROFILE EVAPORATOR

NATIONAL REFRIGERATION will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

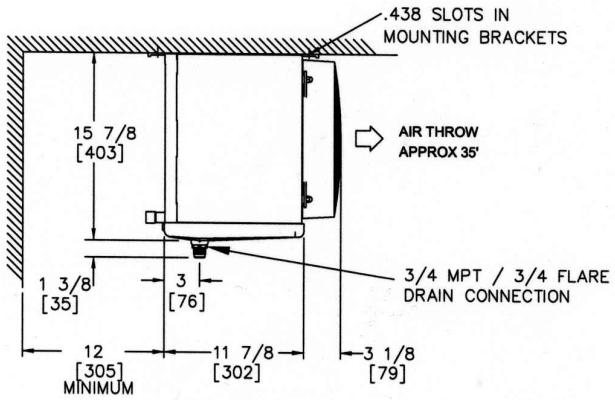
DATE : **28 Mar 2022**
PURCHASER :
PROJECT : **Clover Rev. 3**
SUBMITTED BY : **Scott Swain**

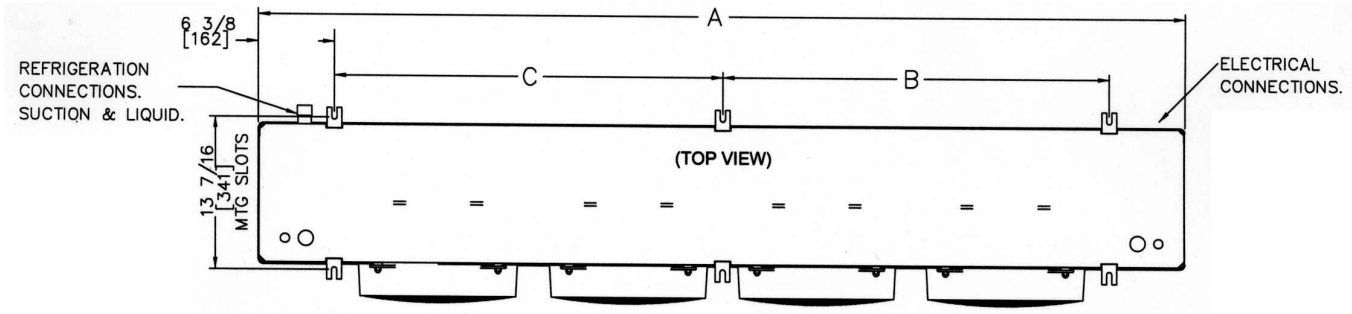
Dimensions shown are for standard unit less options.

DIMENSIONS	
DIMENSION A	78 1/4 in
DIMENSION B	32 5/8 in
DIMENSION C	32 5/8 in
DIMENSION D	
DIMENSION E	
DIMENSION F	
DIMENSION G	0 in
DIMENSION H	

CONNECTIONS	
DISTRIBUTOR	3/8 in
SUCTION	1 1/8 in
DRAIN	3/4 in
WATER	
DISCHARGE	
PAN LOOP	
HOT GAS SIDE PORT	
HOT GAS INLET	
HOT GAS OUTLET	
OTHER	
SHIPPING WEIGHT	116 lb
REFRIGERANT CHARGE	4 lb
RECEIVER CAPACITY	

APPROVALS			
c UL us	NSF		





NOTES:

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

BESA040L6-HT4D

ES-LINE SEMI-HERMETIC CONDENSING UNITS-AIR

PURCHASER :	SUBMITTED BY : **Scott Swain**
PROJECT : **Clover Rev. 3**	DATE : **28 Mar 2022**
ORDER # : **06295.40952.00096-A00**	ITEM # : **5**
QUOTE # : **Q28CUSSB-A**	ID # : **Freezer (2) required**
PURCHASER'S PO # :	TAGGING :

MODEL FEATURES

- Copper tubing secured with cushion clamps
- Crankcase heater
- Discharge and suction vibration eliminators
- High efficiency PSC fan motor with internal overload protection
- Outdoor weather-resistant housing made from G90 galvanized steel
- Pre-formed piping
- Receiver with fusible plug and liquid shut off valve
- Spring mount compressor with discharge vibration eliminator
- Suction Service valve
- Adjustable flooded head pressure control (unless otherwise indicated)
- Units are shipped with Helium holding charge
- Weatherproof electrical control box with compressor contactor and fused control circuit
- Copeland DiscusTM with CoreSense Protection
- Adjustable low pressure control with flex hose / fixed high pressure control
- High efficiency enhanced copper tube and aluminium fin coil design
- AWEF = 3.15

MODEL OPTIONS (* = Shipped Loose)

OPTION PACKAGES
- [ ] Sml Horiz B (Good@Warm/Moderate)
- [ ] Sml Horiz N (Better@Warm/Moderate)
- [ ] Sml Horiz P (Best@Warm/Moderate)
- [ ] Sml Horiz D (Good@Moderate/Cold)
- [ ] Sml Horiz J (Better@Moderate/Cold)
- [ ] Sml Horiz Q (Best@Moderate/Cold)
- [ ] Sml Horiz K
- [ ] Sml Horiz H

- [ ] **115V Control Circuit**

ADJUSTABLE PRESSURE CONTROLS
- [ ] Johnson Dual with flex hose
- [ ] Separate High/Low
- [ ] Separate High/Low: MAN Reset on HP

BALL VALVE
- [ ] *Liquid Line
- [ ] Liquid Line
- [ ] *Suction Line
- [ ] Suction Line

CAPACITY CONTROL - HOT GAS BYPASS
- [ ] To Inlet of Evaporator
- [ ] To Suction Line

- [ ] **Compressor Circuit Breaker**
- [ ] **Compressor Time Delay Relay**

CONDENSING UNIT PRISON PACKAGE
- [ ] Tamper Proof Screws

- [ ] **Crankcase Pressure Regulator**

CONTACTORS
- [ ] 30A Contactor
- [ ] 40A Contactor
- [ ] 60A Contactor

DEFROST FUSING - SHOW SET QTY
- [ ] Up to 30 Amps
- [ ] 35 Amps to 60 Amps
- [ ] Over 60 Amps

DEFROST KIT (USE W/KE2 EVAP EFF)
- [ ] Up to 30A per Evap
- [ ] 35A to 50A per Evap

- [ ] **Discharge Air Hood**
- [ ] **Discharge Line Check Valve**
- [ ] **Discharge Line Temperature Sensor**
- [ ] **Discharge Muffler**

DISCONNECT SWITCH
- [ ] Fused
- [1] Non-Fused

EC FAN MOTORS + SPEED CONTROLLER
- [1] All Motors Variable Speed - 460V Units

ELECTRONIC PRESSURE CONTROL
- [ ] Low Pressure Control
- [ ] High Pressure Control

- [ ] **Export Crating**

EXTENDED 4-YEAR COMPRESSOR WARRANTY
- [ ] Copeland

- [ ] **Extended Leg Kit**

COIL COATING
- [ ] E-Coat

FIN MATERIAL
- [ ] Gold Coat Fins
- [ ] Copper Fins

- [ ] **Hail Guard for Condenser**
- [1] **Heated and Insulated Receiver**

HOUSING MATERIAL
- [ ] Stainless Steel

- [ ] **Insulated Suction Line**

LIMITROL+ HEAD PRESS CTRL SYSTEM
- [ ] 460V Condensing Units

LIQUID LINE FILTER + SIGHT GLASS
- [1] Sealed
- [ ] Replaceable

- [ ] **Liquid Line Lock-Out Relay**

LIQUID LINE SOLENOID VALVE
- [ ] *Standard 230V Coil
- [ ] *Standard 115V Coil

OIL SEPARATOR
- [1] With Oil Filter and Solenoid

- [ ] **One Time Pump Down**
- [1] **Oversized Receiver**

PHASE / VOLTAGE MONITOR
- [ ] 3-Lead
- [ ] 6-Lead (MotorSaver455)

- [1] **Pump Down Toggle Switch**
- [ ] **QuickVac Valves**
- [ ] **Receiver Inlet Ball Valve**
- [ ] **Single Point Electrical**
- [ ] **Sub Cooling Circuit**

SUCTION ACCUMULATOR
- [ ] With Heat Exchanger
- [1] Without Heat Exchanger

SUCTION FILTER
- [ ] Sealed Type
- [1] Replaceable Core

TIME CLOCK
- [ ] Paragon 8145 Style
- [ ] *230V Paragon 8145 Style
- [ ] *115V Paragon 8145 Style

- [1] **Wind Guard**
- [ ] **Less Flooding Valve(s)**

VOLTAGE	SYSTEM REFRIGERANT	RATING	SUCTION TEMP	AMBIENT TEMP	CAPACITY
460/3/60	**R404A**	**4Hp**	**-21.4 ºF**	**95 ºF**	**22311 BTUH**

FANS			COMPRESSOR				CIRCUIT TOTAL			
QTY	POWER	FLA/FAN	TYPE	QTY	RLA	LRA	AMPS	WATTS	MCA†	MOP‡
1	**400W**	**1.1**	**2DL3F20KETFDC40**	**1**	**10.2**	**60**	**11.3**		**13.9**	**20**

LIQUID	**1/2 in**	SOUND	**-**	REC CAPACITY	**32 lb**		APPROVALS
SUCTION	**1 1/8 in**	WEIGHT	**618 lb**	REF CHARGE	**10 lb**		

NOTES:
† MCA.. Minimum Circuit Ampacity, ‡ MOP.. Maximum Overcurrent Protection
MCA & MOP are for the condensing unit ONLY. Single point connections WILL show different on dataplate.
AWEF = 3.15 for R404A/R507/R407A/R448A/R449A. Non-compliant DOE NRCAN model for all other refrigerants

APPROVED BY : **DATE :**

Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

Order Item No: 5

BESA040L6-HT4D

ES-LINE SEMI-HERMETIC CONDENSING UNITS-AIR

NATIONAL REFRIGERATION will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

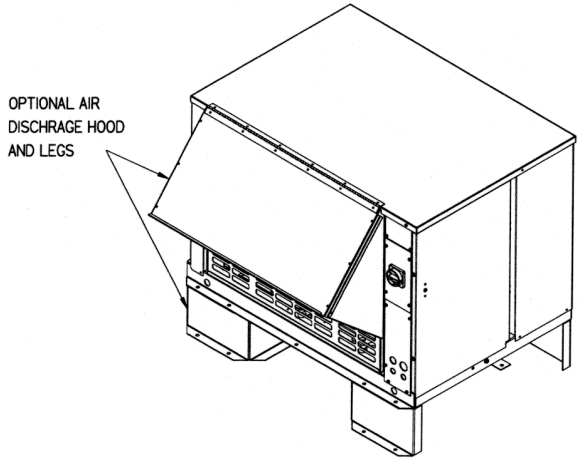
DATE : **28 Mar 2022**
PURCHASER :
PROJECT : **Clover Rev. 3**
SUBMITTED BY : **Scott Swain**

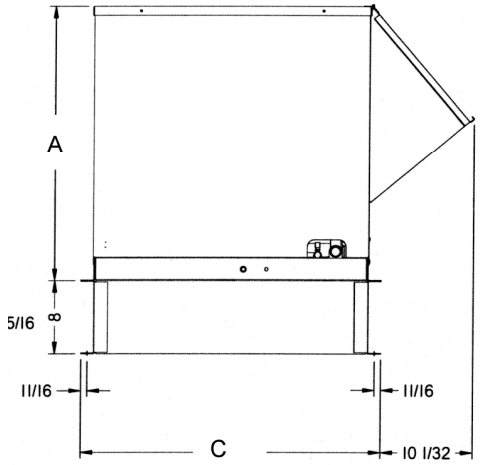
Dimensions shown are for standard unit less options.

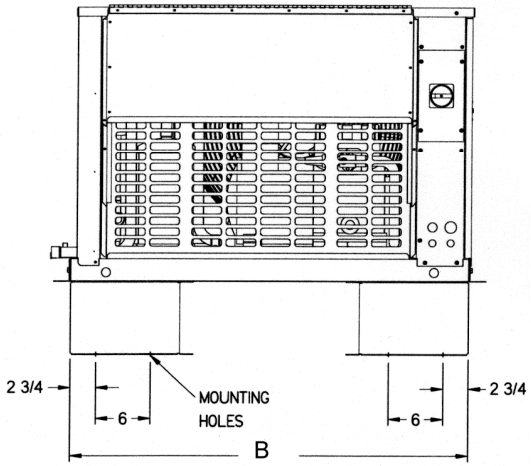
DIMENSIONS	
DIMENSION A	30 3/8 in
DIMENSION B	43 7/8 in
DIMENSION C	32 7/8 in
DIMENSION D	10 in
DIMENSION E	
DIMENSION F	
DIMENSION G	0 in
DIMENSION H	

CONNECTIONS	
LIQUID	1/2 in
SUCTION	1 1/8 in
DRAIN	
WATER	
DISCHARGE	
PAN LOOP	
HOT GAS SIDE PORT	
HOT GAS INLET	
HOT GAS OUTLET	
OTHER	
SHIPPING WEIGHT	618 lb
REFRIGERANT CHARGE	10 lb
RECEIVER CAPACITY	32 lb

APPROVALS			
c UL us			







NOTES:
AWEF = 3.15 for R404A/R507/R407A/R448A/R449A. Non-compliant DOE NRCAN model for all other refrigerants

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

BLP421LE-T3D

LOW PROFILE EVAPORATOR

PURCHASER :		SUBMITTED BY :	**Scott Swain**
PROJECT :	**Clover Rev. 3**	DATE :	**28 Mar 2022**
ORDER # :	**06295.40952.00096-A00**	ITEM # :	**6**
QUOTE # :	**Q28CUSSB-A**	ID # :	**Freezer (2) required**
PURCHASER'S PO # :		TAGGING :	

MODEL FEATURES

- 3/8" Tubing coil construction (reduces refrigerant operating charge)
- Factory installed solenoid valve wire harness
- Heavy gauge textured aluminum cabinet construction resists scratches/corrosion
- Spacious piping end compartment allows for easy assembly
- Hinged drain pan with central universal drain connection (3/4" drain)
- Front access to spacious electrical and header compartments
- Schrader connection on suction header
- Attractive and durable high density polyethylene fan guards
- Ultra efficient Electronically Commutated Motor (ECM)
- ECM with SmartSpeed Technology
- High efficiency enhanced copper tube and aluminium fin coil design
- 6 FPI
- Unit Cooler is AWEF/NRCAN compliant with R404A/R507/R448A/R449A/R407A

MODEL OPTIONS (* = Shipped Loose)

PRE-ASSEMBLED EVAP
- [ ] Sporlan TXV, LLSV,T-stat
- [ ] KE2 Evap Efficiency w/Sporlan TXV
- [1] KE2 Evap Efficiency w/Sporlan EEV
- [ ] *KE2 Evap Efficiency w/Sporlan TXV
- [ ] *KE2 Evap Efficiency w/Sporlan EEV
- [ ] **Aux Sideport Connector**

CABINET FINISH
- [ ] Painted White
- [ ] Stainless Steel

SENSORS FOR CPC BOARDS
- [ ] Coil Temp Sensor
- [ ] Return Air Temp Sensor

DEMAND DEFROST ELECTRONIC CONTROLLER
- [ ] KE2 Adaptive Control
- [ ] *KE2 Adaptive Control
- [1] KE2 Therm Evaporator Efficiency
- [ ] *KE2 Therm Evaporator Efficiency
- [ ] **Dual Circuit**

EXPANSION VALVE
- [ ] Sporlan TXV
- [1] Sporlan EEV

EVAPORATOR PRISON PACKAGE
- [ ] Tamper Proof Screws
- [ ] **Export Crating**

COIL COATING
- [ ] E-Coat

FIN MATERIAL
- [ ] Gold Coat Fins
- [ ] Copper Fins
- [ ] **Insulated Drain Pan**

KE2 THERM
- [ ] *CAT5e Shielded Cable - 50ft w/connectors
- [ ] 40' Leads on Sensors + Transducers
- [ ] Ethernet Adapter Kit
- [ ] *Remote Combo Display
- [ ] ***Liquid / Suction Heat Exchanger**

LIQUID LINE SOLENOID VALVE
- [1] Sporlan
- [ ] **Dual Voltage Coil 120-230V Field Wired**
- [ ] **Nitrogen Charged and Sealed**

ROOM THERMOSTATS
- [ ] Mechanical
- [ ] *Mechanical
- [ ] *Johnson A19ABC
- [ ] *Johnson A421ABC-02C
- [ ] Johnson A421ABC-02
- [ ] **Wire Fan Guards**

REMOTE DEFROST PANEL
- [ ] *230V Control
- [ ] *115V Control

INSTALLATION REQUIREMENTS
- [1] Minimum slope of 1" per foot on all drain lines
- [1] P-trap per evap required outside of box
- [1] Insulated drain line requires heat - 20W/ft

VOLTAGE	SYSTEM REFRIGERANT	AIR FLOW	EVAP. TEMP	BOX TEMP	CAPACITY
208-230/3/60	**R404A**	**2720 CFM**	**-20.9 ºF**	**-10 ºF**	**22311 BTUH**

FANS			HEATERS				CIRCUIT TOTAL			
QTY	POWER	FLA/FAN	TYPE	QTY	AMPS		AMPS	WATTS	MCA†	MOP‡
4	**0.07HP**	**0.6**					**2.4**	**240**	**2.6**	**15**
			DEFROST HTRS		**10**			**3560**	**12.5**	**15**

DISTRIBUTOR	**3/8 in**	SOUND	**-**	REC CAPACITY			APPROVALS
SUCTION	**1 1/8 in**	WEIGHT	**145 lb**	REF CHARGE	**5 lb**		

NOTES:
† MCA.. Minimum Circuit Ampacity, ‡ MOP.. Maximum Overcurrent Protection

APPROVED BY : **DATE :**

Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

Order Item No: 6

BLP421LE-T3D

LOW PROFILE EVAPORATOR

NATIONAL REFRIGERATION will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

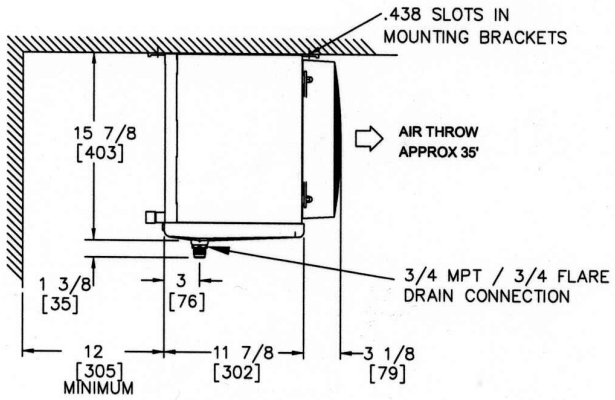
DATE : **28 Mar 2022**
PURCHASER :
PROJECT : **Clover Rev. 3**
SUBMITTED BY : **Scott Swain**

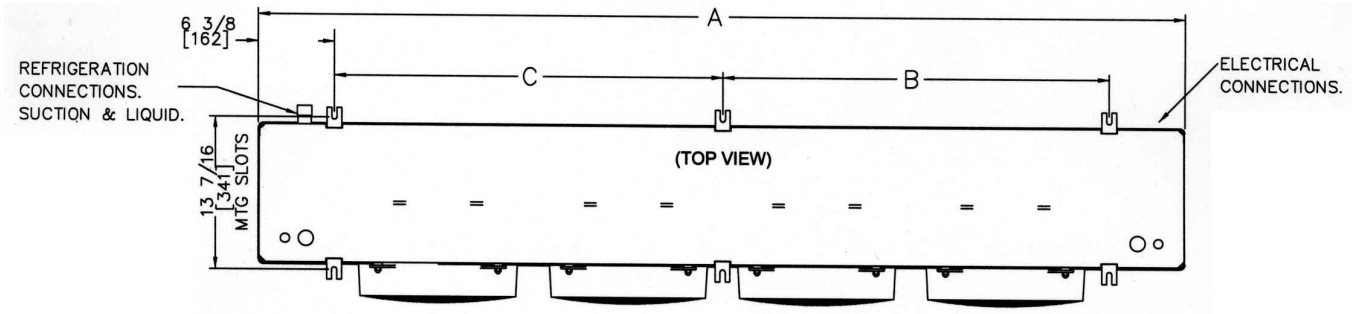
Dimensions shown are for standard unit less options.

DIMENSIONS	
DIMENSION A	78 1/4 in
DIMENSION B	32 5/8 in
DIMENSION C	32 5/8 in
DIMENSION D	
DIMENSION E	
DIMENSION F	
DIMENSION G	0 in
DIMENSION H	

CONNECTIONS	
DISTRIBUTOR	3/8 in
SUCTION	1 1/8 in
DRAIN	3/4 in
WATER	
DISCHARGE	
PAN LOOP	
HOT GAS SIDE PORT	
HOT GAS INLET	
HOT GAS OUTLET	
OTHER	
SHIPPING WEIGHT	145 lb
REFRIGERANT CHARGE	5 lb
RECEIVER CAPACITY	

APPROVALS			
c UL us	NSF		





NOTES:

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

BEZA025H8-HT4D

EZ-LINE SCROLL CONDENSING UNITS-AIR

PURCHASER :	SUBMITTED BY : **Scott Swain**
PROJECT : **Clover Rev. 3**	DATE : **28 Mar 2022**
ORDER # : **06295.40952.00096-A00**	ITEM # : **7**
QUOTE # : **Q28CUSSB-A**	ID # : **Tomato/banana room (1) required**
PURCHASER'S PO # :	TAGGING :

MODEL FEATURES

- 3/8" Tubing coil construction (reduces refrigerant operating charge)
- Anti-short cycle time delay
- Adjustable pressure fan cycling control on 2 fan models only
- Copper tubing secured with cushion clamps
- Crankcase heater
- Fan Guard
- Fan motors are inherently protected with internal overloads
- Pre-formed piping
- Receiver with fusible plug and liquid shut off valve
- Suction Service valve
- Adjustable flooded head pressure control (unless otherwise indicated)
- Units are shipped with Helium holding charge
- Weatherproof electrical control box with compressor contactor and fused control circuit
- Welded hermetic Scroll compressor
- Adjustable low pressure control with flex hose / fixed high pressure control
- High efficiency enhanced copper tube and aluminium fin coil design
- Compatible with Low GWP Refrigerants
- Outdoor weatherproof pre-painted steel cabinet
- AWEF = 7.6

MODEL OPTIONS (* = Shipped Loose)

OPTION PACKAGES
- [ ] Sml Horiz B (Good@Warm/Moderate)
- [ ] Sml Horiz N (Better@Warm/Moderate)
- [ ] Sml Horiz P (Best@Warm/Moderate)
- [ ] Sml Horiz D (Good@Moderate/Cold)
- [ ] Sml Horiz J (Better@Moderate/Cold)
- [ ] Sml Horiz Q (Best@Moderate/Cold)
- [ ] Sml Horiz K
- [ ] Sml Horiz H

- [ ] **115V Control Circuit**

ADJUSTABLE PRESSURE CONTROLS
- [ ] Johnson Dual with flex hose
- [ ] Separate High/Low
- [ ] Separate High/Low: MAN Reset on HP

BALL VALVE
- [ ] *Liquid Line
- [ ] Liquid Line
- [ ] *Suction Line
- [ ] Suction Line

CAPACITY CONTROL - HOT GAS BYPASS
- [ ] To Inlet of Evaporator
- [ ] To Suction Line

- [ ] **Compressor Circuit Breaker**

CONDENSING UNIT PRISON PACKAGE
- [ ] Tamper Proof Screws

- [ ] **Crankcase Pressure Regulator**

CONTACTORS
- [ ] 30A Contactor
- [ ] 40A Contactor
- [ ] 60A Contactor

DEFROST KIT (USE W/KE2 EVAP EFF)
- [ ] Up to 30A per Evap

DEFROST KIT (USE W/KE2 EVAP EFF) Continued
- [ ] 35A to 50A per Evap
- [ ] Over 50A per Evap

- [ ] **Discharge Air Hood**
- [ ] **Discharge Line Check Valve**

DISCONNECT SWITCH
- [ ] Fused
- [1] Non-Fused

EC FAN MOTORS + SPEED CONTROLLER
- [1] All Motors Variable Speed - 460V Units

ELECTRONIC PRESSURE CONTROL
- [ ] Low Pressure Control
- [ ] High Pressure Control

- [ ] **Export Crating**

EXTENDED 4-YEAR COMPRESSOR WARRANTY
- [ ] Copeland

- [ ] **Extended Leg Kit**

COIL COATING
- [ ] E-Coat

FIN MATERIAL
- [ ] Gold Coat Fins
- [ ] Copper Fins

- [ ] **Hail Guard for Condenser**
- [1] **Heated and Insulated Receiver**

HOUSING MATERIAL
- [ ] Stainless Steel

- [ ] **Insulated Suction Line**

LIQUID LINE FILTER + SIGHT GLASS
- [1] Sealed
- [ ] Replaceable

- [ ] **Liquid Line Lock-Out Relay**

LIQUID LINE SOLENOID VALVE
- [ ] *Standard 230V Coil
- [ ] *Standard 115V Coil

OIL SEPARATOR
- [ ] With Oil Filter and Solenoid

- [ ] **One Time Pump Down**
- [1] **Oversized Receiver**

PHASE / VOLTAGE MONITOR
- [ ] 3-Lead
- [ ] 6-Lead (MotorSaver455)

- [1] **Pump Down Toggle Switch**
- [ ] **QuickVac Valves**
- [ ] **Receiver Inlet Ball Valve**
- [ ] **Single Point Electrical**
- [ ] **Sub Cooling Circuit**

SUCTION ACCUMULATOR
- [ ] With Heat Exchanger
- [1] Without Heat Exchanger

SUCTION FILTER
- [ ] Sealed Type
- [1] Replaceable Core

TIME CLOCK
- [ ] Paragon 8145 Style
- [ ] *230V Paragon 8145 Style
- [ ] *115V Paragon 8145 Style

- [1] **Wind Guard**
- [ ] **Less Flooding Valve(s)**

VOLTAGE	SYSTEM REFRIGERANT	RATING	SUCTION TEMP	AMBIENT TEMP	CAPACITY
460/3/60	**R448A**	**2.5Hp**	**37.6 ºF**	**95 ºF**	**26790 BTUH**

FANS			COMPRESSOR				CIRCUIT TOTAL			
QTY	POWER	FLA/FAN	TYPE	QTY	RLA	LRA	AMPS	WATTS	MCA†	MOP‡
1	**315W**	**1.8**	**ZS19KAE-TFD**	**1**	**6.5**	**38**	**8.3**		**9.9**	**15**

LIQUID	**1/2 in**	SOUND	**-**	REC CAPACITY	**32 lb**		APPROVALS
SUCTION	**7/8 in**	WEIGHT	**405 lb**	REF CHARGE	**9 lb**		

NOTES:
† MCA.. Minimum Circuit Ampacity, ‡ MOP.. Maximum Overcurrent Protection
MCA & MOP are for the condensing unit ONLY. Single point connections WILL show different on dataplate.
AWEF = 7.6 for R404A/R507/R407A/R448A/R449A/R407C. Non-compliant DOE NRCAN model for all other refrigerants

APPROVED BY : **DATE :**

Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

Order Item No: 7

BEZA025H8-HT4D

EZ-LINE SCROLL CONDENSING UNITS-AIR

NATIONAL REFRIGERATION will furnish equipment in accordance with this drawing and specifications, and subject to its published warranty. Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change made hereon by any person whomsoever subject to acceptance by NATIONAL REFRIGERATION at its home office.

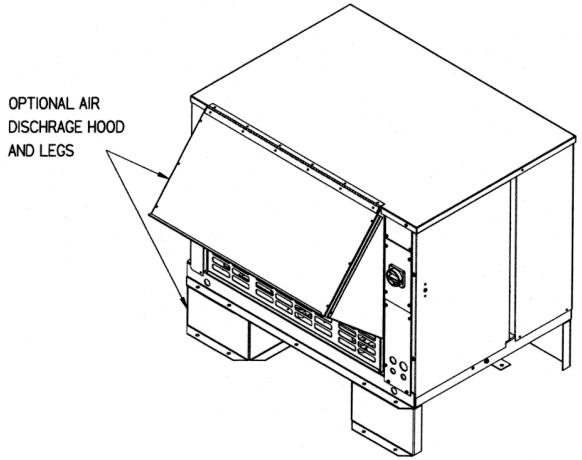
DATE : **28 Mar 2022**
PURCHASER :
PROJECT : **Clover Rev. 3**
SUBMITTED BY : **Scott Swain**

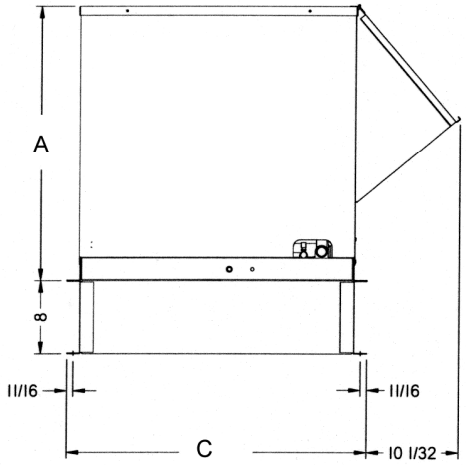
Dimensions shown are for standard unit less options.

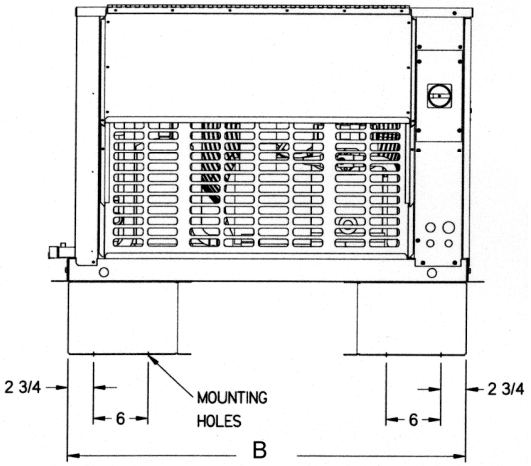
DIMENSIONS	
DIMENSION A	30 3/8 in
DIMENSION B	43 7/8 in
DIMENSION C	32 7/8 in
DIMENSION D	10 1/8 in
DIMENSION E	
DIMENSION F	
DIMENSION G	0 in
DIMENSION H	

CONNECTIONS	
LIQUID	1/2 in
SUCTION	7/8 in
DRAIN	
WATER	
DISCHARGE	
PAN LOOP	
HOT GAS SIDE PORT	
HOT GAS INLET	
HOT GAS OUTLET	
OTHER	
SHIPPING WEIGHT	405 lb
REFRIGERANT CHARGE	9 lb
RECEIVER CAPACITY	32 lb

APPROVALS			
c UL us			







NOTES:
AWEF = 7.6 for R404A/R507/R407A/R448A/R449A/R407C. Non-compliant DOE NRCAN model for all other refrigerants

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.
159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

BLP422MA-S2D

LOW PROFILE EVAPORATOR

PURCHASER :	SUBMITTED BY : **Scott Swain**
PROJECT : **Clover Rev. 3**	DATE : **28 Mar 2022**
ORDER # : **06295.40952.00096-A00**	ITEM # : **8**
QUOTE # : **Q28CUSSB-A**	ID # : **Tom/Banana Room (1) required**
PURCHASER'S PO # :	TAGGING :

MODEL FEATURES

- 3/8" Tubing coil construction (reduces refrigerant operating charge)
- Factory installed solenoid valve wire harness
- Heavy gauge textured aluminum cabinet construction resists scratches/corrosion
- Spacious piping end compartment allows for easy assembly
- Hinged drain pan with central universal drain connection (3/4" drain)
- Front access to spacious electrical and header compartments
- Schrader connection on suction header
- Attractive and durable high density polyethylene fan guards
- Ultra efficient Electronically Commutated Motor (ECM)
- ECM with SmartSpeed Technology
- High efficiency enhanced copper tube and aluminium fin coil design
- 6 FPI
- AWEF = 9.0
- Unit Cooler is AWEF/NRCAN compliant with R404A/R507/R448A/R449A/R407A/R407C

MODEL OPTIONS (* = Shipped Loose)

PRE-ASSEMBLED EVAP
- [ ] SmartVap+ with EEV + Solvlv
- [ ] Sporlan TXV, LLSV,T-stat
- [1] KE2 Evap Efficiency w/Sporlan EEV
- [ ] *KE2 Evap Efficiency w/Sporlan EEV
- [ ] **Aux Sideport Connector**

CABINET FINISH
- [ ] Painted White
- [ ] Stainless Steel

SENSORS FOR CPC BOARDS
- [ ] Coil Temp Sensor
- [ ] Return Air Temp Sensor

DEMAND DEFROST ELECTRONIC CONTROLLER
- [1] KE2 Therm Evaporator Efficiency
- [ ] *KE2 Therm Evaporator Efficiency
- [ ] **Dual Circuit**

ELECTRONIC CONTROLLER
- [ ] KE2 Temp+Defrost
- [ ] SmartVap+ Control Board and Display

EXPANSION VALVE
- [ ] Sporlan TXV
- [1] Sporlan EEV
- [ ] EEV for SmartVap+

- [ ] **Evaporator Disconnect Switch**

EVAPORATOR PRISON PACKAGE
- [ ] Tamper Proof Screws
- [ ] **Export Crating**

COIL COATING
- [1] E-Coat

FIN MATERIAL
- [ ] Gold Coat Fins
- [ ] Copper Fins

- [ ] **Insulated Drain Pan**

KE2 THERM
- [ ] *CAT5e Shielded Cable - 50ft w/connectors
- [ ] 40' Leads on Sensors + Transducers
- [ ] Ethernet Adapter Kit
- [ ] *Remote Combo Display

- [ ] ***Liquid / Suction Heat Exchanger**

LIQUID LINE SOLENOID VALVE
- [1] Sporlan
- [ ] **Dual Voltage Coil 120-230V Field Wired**
- [ ] **Nitrogen Charged and Sealed**

ROOM THERMOSTATS
- [ ] Mechanical
- [ ] *Mechanical
- [ ] *Johnson A19ABC
- [ ] *Johnson A421ABC-02C
- [ ] Johnson A421ABC-02

- [ ] **Wire Fan Guards**

REMOTE DEFROST PANEL
- [ ] *230V Control
- [ ] *115V Control

INSTALLATION REQUIREMENTS
- [1] Minimum slope of 1" per foot on all drain lines
- [1] P-trap per evap required outside of box

VOLTAGE	SYSTEM REFRIGERANT	AIR FLOW	EVAP. TEMP	BOX TEMP	CAPACITY
208-230/1/60	**R448A**	**2820 CFM**	**38.1 ºF**	**50 ºF**	**26790 BTUH**

FANS			HEATERS				CIRCUIT TOTAL			
QTY	POWER	FLA/FAN	TYPE	QTY	AMPS		AMPS	WATTS	MCA†	MOP‡
4	**0.07HP**	**0.6**					**2.4**	**240**	**2.6**	**15**

DISTRIBUTOR	**3/8 in**	SOUND	**-**	REC CAPACITY			APPROVALS
SUCTION	**1 1/8 in**	WEIGHT	**116 lb**	REF CHARGE	**4 lb**		

NOTES:
† MCA.. Minimum Circuit Ampacity, ‡ MOP.. Maximum Overcurrent Protection

APPROVED BY : **DATE :**

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159 ROY BLVD, PO BOX 2020
BRANTFORD, ON
CANADA N3T 5Y6

Order Item No: 8

BLP422MA-S2D

LOW PROFILE EVAPORATOR

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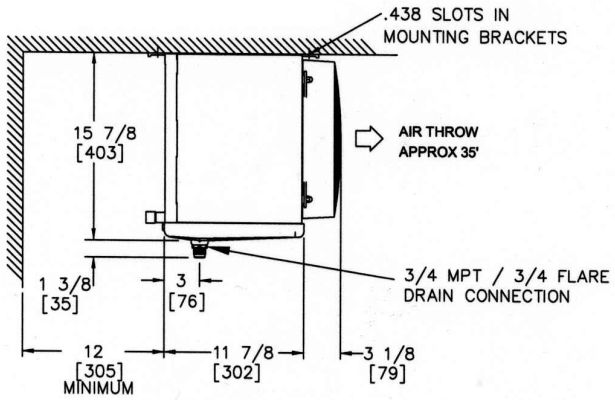
DATE : **28 Mar 2022**
PURCHASER :
PROJECT : **Clover Rev. 3**
SUBMITTED BY : **Scott Swain**

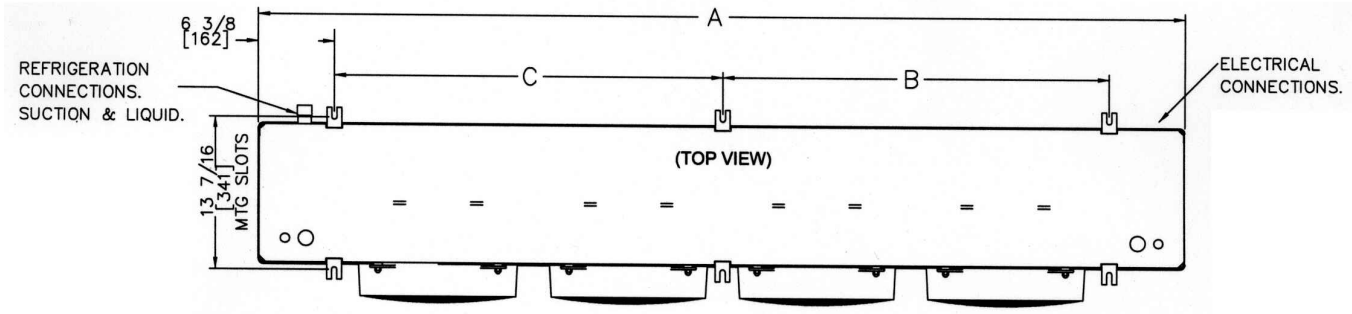
Dimensions shown are for standard unit less options.

DIMENSIONS	
DIMENSION A	78 1/4 in
DIMENSION B	32 5/8 in
DIMENSION C	32 5/8 in
DIMENSION D	
DIMENSION E	
DIMENSION F	
DIMENSION G	0 in
DIMENSION H	

CONNECTIONS	
DISTRIBUTOR	3/8 in
SUCTION	1 1/8 in
DRAIN	3/4 in
WATER	
DISCHARGE	
PAN LOOP	
HOT GAS SIDE PORT	
HOT GAS INLET	
HOT GAS OUTLET	
OTHER	
SHIPPING WEIGHT	116 lb
REFRIGERANT CHARGE	4 lb
RECEIVER CAPACITY	

APPROVALS			
c UL us	NSF		





NOTES: