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

TESA075L6-HT4C

ES-LINE SEMI-HERMETIC CONDENSING UNITS-AIR

PURCHASER : **ALLCRYO INC**	SUBMITTED BY :
PROJECT :	DATE : **13 Aug 2019**
ORDER # : **05337.36877.03050-A00**	ITEM # : **1**
QUOTE # : **Q13HRKEB-A**	ID # :
PURCHASER'S PO # :	TAGGING :

MODEL FEATURES

- Copper tubing secured with cushion clamps
- Crankcase heater
- Discharge and suction vibration eliminators
- Fixed Flooded head pressure control (unless otherwise indicated)
- 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 mounted, accessible semi-hermetic compressor
- Suction Service valve
- 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
- Discharge Muffler

MODEL OPTIONS (* = Shipped Loose)

PRE-ENGINEERED OPTION PACKAGE
- [ ] A - STD
- [ ] B
- [ ] C
- [ ] D
- [ ] E
- [1] F
- [ ] G
- [ ] H
- [ ] J

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

ELECTRIC DEFROST KIT (TIMECLOCK INCL.)
- [1] Up to 40A Htrs, 30A Fans 1 Evap
- [ ] Up to 60A Htrs, 30A Fans 1 Evap
- [ ] Up to 80A Htrs, 30A Fans 1 Evap
- [ ] Up to 40A Htrs, 30A Fans 2 Evap
- [ ] Up to 60A Htrs, 30A Fans 2 Evap
- [ ] Up to 80A Htrs, 30A Fans 2 Evap
- [ ] Up to 60A Htrs, 40A Fans 3 Evap

DEFROST KIT (USE WITH KE2)
- [ ] Up to 30A per Evap
- [ ] 35A to 50A per Evap

- [ ] **115V Control Circuit**
- [ ] **30A Contactor**
- [ ] **40A Contactor**
- [ ] **60A Contactor**

ADJUSTABLE PRESSURE CONTROLS
- [ ] Johnson Dual with flex hose
- [ ] Separate High/Low with flex hose

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

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

CAPACITY CONTROL - UNLOADING
- [ ] ModuLoad

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

CONDENSING UNIT PRISON PACKAGE
- [ ] Tamper Proof Screws

- [ ] **Crankcase Pressure Regulator**
- [ ] **Discharge Air Hood**
- [ ] **Discharge Line Check Valve**
- [ ] **Discharge Muffler**

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

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

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

- [ ] **Export Crating**
- [ ] **Extended Leg Kit**

COIL COATING
- [ ] Heresite Coating
- [ ] ElectroFin Coating

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

- [ ] **Hail Guard for Condenser**
- [ ] **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
- [ ] Standard
- [ ] With Oil Filter and Solenoid

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

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

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

RECEIVER LEVEL INDICATOR
- [ ] Dual Sightglass

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

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

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

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

FLOODED HEAD PRESSURE CONTROL
- [ ] Two Valve Adjustable

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

VOLTAGE	SYSTEM REFRIGERANT	RATING	SUCTION TEMP	AMBIENT TEMP	CAPACITY
460/3/60	**R404A**	**7.5Hp**	**-20.5 °F**	**100 °F**	**35035 BTUH**

FANS			COMPRESSOR				CIRCUIT TOTAL			
QTY	POWER	FLA/FAN	TYPE	QTY	RLA	LRA	AMPS	WATTS	MCA†	MOP‡
1	**400W**	**1.1**	**3DB3F33KETFDC40**	**1**	**15.7**	**83**	**16.8**		**20.7**	**35**

LIQUID	**5/8 in**	SOUND	**-**	REC CAPACITY	**31 lb**		APPROVALS
SUCTION	**1 3/8 in**	WEIGHT	**827 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.

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.

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SELECTED OPTION DESCRIPTIONS

Electric Defrost Kit (Timeclock incl.) - Up to 40A Htrs, 30A Fans 1 Evap

Kit includes: timeclock, defrost heater contactor(s) and evaporator fan motor contactor(s) as required based upon evaporator selection. Fuses NOT INCLUDED unless evaporator electrical is specified.

Liquid Line Filter + Sight Glass - Sealed

Sporlan C Series with ODF solder connections and Sporlan SA moisture indicator factory installed in liquid line.

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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.

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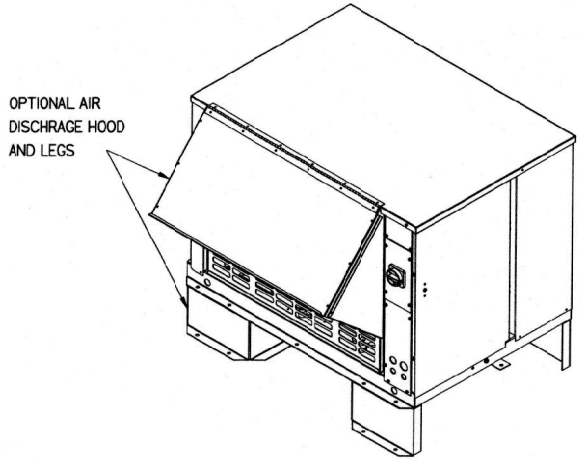
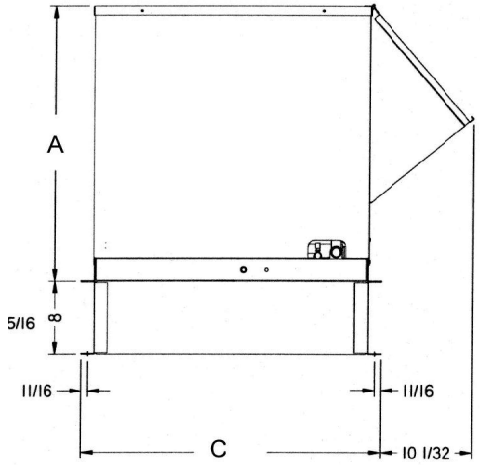
Dimensions shown are for standard unit less options.

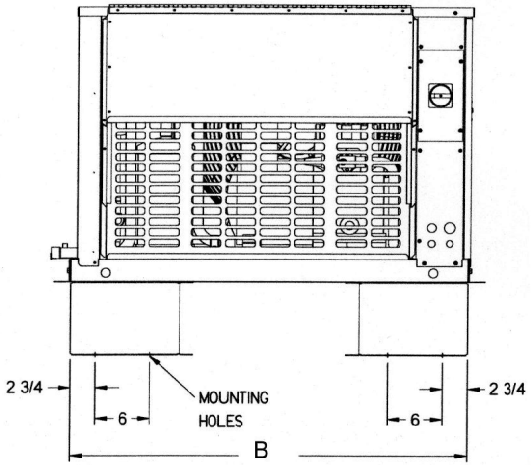
DIMENSIONS	
DIMENSION A	41 7/8 in
DIMENSION B	52 1/8 in
DIMENSION C	35 7/8 in
DIMENSION D	7 in
DIMENSION E	
DIMENSION F	
DIMENSION G	0 in
DIMENSION H	

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	827 lb
REFRIGERANT CHARGE	18 lb
RECEIVER CAPACITY	31 lb

APPROVALS			
c UL us	MEA		







NOTES: