

Lancaster County School District

Amendment #2

Solicitation Number Amendment Issue Date Solicitation Issue Date Procurement Officer Phone 202305 10/13/2022 10/4/2022

Trevor Hammond, NIGP-CPP, CPPB

Phone (803) 416-8828
E-Mail Address | Procurement@lcsd.k12.sc.us

DESCRIPTION: Custom Bally Walk-In Cooler & Freezer Units for Multiple School Locations

The Term "Offer" Means Your "Bid" or "Proposal		The	Term	"Offer"	Means	Your	"Bid"	or	"Proposal	"
--	--	-----	------	---------	-------	------	-------	----	-----------	---

SUBMIT OFFER BY (Opening Date/Time): 10/25/22 at 10:00 AM - EST See "Do

See "Deadline for Submission of Offer" provision

QUESTIONS MUST BE RECEIVED BY: 10/20/22 at 10:00 AM - EST

See "Questions from Offerors" provision

NUMBER OF COPIES TO BE SUBMITTED: One (1) original

Offers must be submitted in a sealed package. Solicitation Number & Opening Date must appear on package exterior.

SUBMIT YOUR OFFER TO THE FOLLOWING ADDRESS:

PHYSICAL & MAILING ADDRESS:

Lancaster County School District
Attn: Melinda Adams
300 South Catawba Street
Lancaster, SC 29720

See "Submitting Your Offer" provision

CONFERENCE TYPE	E: N/A	PRE-	BID LOCATION: N/A						
DATE & TIME:									
(As appropriate, see "Conference")	ences - Pre-Bid/Proposal" & "Site Visit" provisions)								
AWARD &			2 at the physical address stated above and at the						
AMENDMENTS	following web address: https://sites.google.	com/lcsd.k12.sc.us	s/lcsd-procurement/solicitations-awards.						
			d or proposal, you agree to be bound by the terms of						
the solicitation. You	agree to hold your offer open for a minim	num of sixty (60)	calendar days after the opening date.						
NAME OF OFFEROR	(Full legal name of business submitting the	offer)	OFFEROR'S TYPE OF ENTITY:						
		(Check one)							
		□ Sole Proprietorship							
AUTHORIZED SIGNA	ATURE	□ Partnership							
, to this table of situ		□ Corporate entity (not tax-exempt)							
(Person signing must be authorized	to submit binding offer to enter contract on behalf of Offeror named above.)	□ Tax exempt corporate entity □ Government entity (federal, state, or local)							
TITLE	(Business title of person signing abov		□ Other						
	, , , ,	•	(One (Citation composition)						
PRINTED NAME	(Printed name of person signing above)	DATE SIGNED	(See "Signing your Offer" provision)						
	(Fillited fiame of person signing above)	DATE GIGINED							
			t will be formed with, the entity identified as the offeror above.						
			be a single and distinct legal entity. Do not use the name of a						
branch office or a divi	sion of a larger entity if the branch or division	n is not a separate	e legal entity, i.e., a separate corporation, partnership, sole						
proprietorship, etc.									
STATE OF INCOF	RPORATION	(If offeror is a co	rporation, identify the State of Incorporation.)						
TAXPAYER IDEN	TAXPAYER IDENTIFICATION NO. (See "Taxpayer Identification Number" provision)								

COVER PAGE LCSD (June 2007)

PAGE TWO (Return Page Two with Your Offer)

HOME OFFICE place of business)	ADDRESS (Addr	ess for offeror's home	e office / principal	NOTICE ADDRESS (Address to which all procurement and contract related notices should be sent.) (See "Notice" clause)							
				Area Code - Number - Extension Facsimile							
				E-mail Address							
PAYMENT ADI "Payment" clause)	DRESS (Address to	which payments will	be sent.) (See		ORDER ADDRESS (Address to which purchase orders will be sent) (See "Purchase Orders and "Contract Documents" clauses)						
	ldress same as Hor ldress same as Not				ess same as Home (ess same as Notice						
	GMENT OF AMEN		nendment number and	I its date of issue. (S	ee "Amendments to So	licitation" Provision)					
Amendment No.					Amendment Issue Date	Amendment No.	Amendment Issue Date				
PROMPT PA (See "Discount f	DISCOUNT FOR PROMPT PAYMENT (See "Discount for Prompt Payment" clause) DISCOUNT FOR 10 Calendar Days (%) 20 Calendar Days (%) 30 Calendar Days (%)Calendar Days (%)Calendar Days (%)										
Minority Part			•		No □; If yes, S ′es □ No □	C Certification	n#				
PREFERENCES - A NOTICE TO VENDORS (SEP. 2009): On June 16, 2009, the South Carolina General Assembly rewrote the law governing preferences available to in-state vendors, vendors using in-state subcontractors, and vendors selling in-state or US end products. This law appears in Section 11-35-1524 of the South Carolina Code of Laws. A summary of the new preferences is available at www.procurement.sc.gov/preferences . ALL THE PREFERENCES MUST BE CLAIMED AND ARE APPLIED BY LINE ITEM, REGARDLESS OF WHETHER AWARD IS MADE BY ITEM OR LOT. VENDORS ARE CAUTIONED TO CAREFULLY REVIEW THE STATUTE BEFORE CLAIMING ANY PREFERENCES. THE REQUIREMENTS TO QUALIFY HAVE CHANGED. IF YOU REQUEST A PREFERENCE, YOU ARE CERTIFYING THAT YOUR OFFER QUALIFIES FOR THE PREFERENCE YOU'VE CLAIMED. IMPROPERLY REQUESTING A PREFERENCE CAN HAVE SERIOUS CONSEQUENCES.											
state office in 1524(C)(1)(i)8 to qualify for the	the space provide (ii) or the Residual	ded below. An i dent Contractor	n-state office is Preference (11-	necessary to c -35-1524(C)(1)	laim either the R	esident Vendo , you must pro	e number for your in- or Preference (11-35- ovide this information sident Subcontractor				
	Office Address Office Address										

PAGE TWO LCSD (Sep 2009)

End of PAGE TWO

Effective this date, this amendment forms part of the contract documents and modifies the original IFB.

The Revised Bid Schedule included in Amendment #1 must reflect the revised specifications attached to Amendment #2. The revised specifications removes the Smart Vap.

All other requirements of the solicitation remain unchanged.



Bally Refrigerated Boxes, Inc. Morehead City, NC 28557 (800) 242-2559

Revised Specifications

Quote No: 2744-001-R03-LC

Item No:

Job Name: Buford Middle School

Date: 10/12/2022 *PVD*: 10/3/2022

From: Laura Craig

Swanson-Girard & Associates 10420 Southern Loop Blvd

Pineville, NC 28134

Phone: Fax: (704)521-8801

Attn:

Last Update:

Revisor:

To:

Outdoor Next To Building

NSF APPROVED

$Bally\ Prefabricated\ Exterior\ Dimensions:$

 $23'-6\frac{3}{4}"(1^*) \times 8'-2\frac{3}{4}"(w^*) \times 8'-6"(h)$

10/12/2022

Laura Craig

2 Compartments 1 Tiers With Floor 4" Floor

Ceiling: Single Span

Panel Thickness:

4 in. Exterior Vertical Used (7'-10") with 4 in. Partition, 4 in. Floor, 4 in. Ceiling

Details and specifications for Quote No: 2744-001-R03-LC

Comments:

Base Finish

Vertical and Ceiling Panels: Embossed Galvalume (26 GA)

Special Finishes:

Exterior Door - Embossed Tan

Exterior Door Frame - Embossed Tan

Exterior Floor - Embossed Tan

Interior Floor - Aluminum Treadplate .125" Thick

Wall 1 - Exterior Verticals - Embossed Tan

Wall 2 - Exterior Verticals - Embossed Tan

Wall 3 - Exterior Verticals - Embossed Tan

Wall 4 - Exterior Verticals - Embossed Tan

Doors/Openings:

Wall 2 Door 1 (1) 36" x 78" Hinged Door In a 46"

Wall 2 Door 1 (1) Ext.Alum Diam/Tread Ramp (30-36" Door)

Wall 2 Door 1 (1) Locking Bar (2 piece) (with Release)

Wall 2 Door 1 (1) Strip Curtain (36" Door and Under)

Wall 2 Door 1 (1) Super Door 36" Wide and Under, 30" High

Wall 2 Door 1 (1) Tamperproof Screws (per door) - Non Prison

Partition 1 Door 1 (1) 30" x 78" Hinged Door In a 46"

Partition 1 Door 1 (1) Bally Standard Pressure Relief Port (< 400 sq/ft) Partition 1 Door 1 (1) Super Door 36" Wide and Under, 30" High

Accessories and Extras:

Version 2.8.25 Page 2 of 5



Attn:

10/12/2022

Laura Craig

Last Update:

Revisor:

To:

Bally Refrigerated Boxes, Inc. Revised Specifications Morehead City, NC 28557 (800) 242-2559

Ouote No: 2744-001-R03-LC

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Job Name: Buford Middle School

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Pineville, NC 28134

Phone: Fax: (704)521-8801

1

(3) 48" LED KEIL 48x754-CL-N Light - 40° F to 100° F(Range)

(67) L/F REB(Reinforced Exterior Bottom)'s

(209) S/F Outdoor Membrane Roof 40 mil standard

(209) S/F Tapered Insul 1/8" on 12"

(1) The loads are 26 Lbs psf live and 115 Mph RC II Wind. The customer must verify that the loads shown on this quote comply with local building codes.

(28) WA-3 Wall Anchor Outside Vertical 4"

(8) WA-4 Wall Anchor Outside Corner 4"

Floor Options:

(209) S/F 1/2" Plywood Foamed in Panel

Refrigeration:

(1) BEZA 007 H8 HS2DB (208-230/1/60) w/ smart speed Scroll Unit 7190 BTU

(1) BEZA 020 L8 HS2D (208-230/1/60) w/ smart speed Includes defrost contactor for 1 Evap.

(1) BLP207LE-S2D 208-230/1/60 2 Fan 7160 BTU/h

(1) BLP209-MA-S1D 115/1/60 2 Fan 8700 BTU/h

(1) Refrigeration is calculated for standard use at a box temperature of 35° F. for the cooler and −10° F. for the freezer with a condensing unit ambient of 105° F.

(1) Time Clock 8145 (shipped loose) 115/1/60

Estimated Shipping:

Weight: 6,731.35

Destination: Lancaster, SC, 29720

Version 2.8.25 Page 3 of 5



Revised Specifications Bally Refrigerated Boxes, Inc. Morehead City, NC 28557 (800) 242-2559

Ouote No: 2744-001-R03-LC

Item No:

Job Name: **Buford Middle School**

10/12/2022 Date: PVD: 10/3/2022

From: Laura Craig

> Swanson-Girard & Associates 10420 Southern Loop Blvd

Pineville, NC 28134

Phone: Fax: (704)521-8801

Laura Craig To: All Bidders

Attn:

Last Update:

Revisor:

Deviations (Alternates, Remarks, Clarifications, Etc.):

Bally Floor Panels are capable of supporting up to 800 lbs. Per Sq/Ft uniformly distributed stationary loading. Bally does not recommend the use rolling loads of heavy carts, pallet jacks or fork lifts on top of the floors. Warranty for floors subjected to this type of use would not be covered by Bally.

Exclusions (Items Not Supplied by Bally):

10/12/2022

\checkmark	Shelving, Racks, Interior Accessories	\checkmark	Caulking and Sealants
	Labor on Warranties		Refrigeration Systems
\checkmark	Alarm Systems	$\overline{\checkmark}$	Refrigeration Accessories
\checkmark	Supervision	$\overline{\checkmark}$	Closure Panel and Trim
$\overline{\checkmark}$	Tubing, Wiring for Rfg. Equipment	☑	Sleeves, Penetrations, Escutcheon Plate
✓	Compressor Rack	✓	Floor Insulation and Vapor Barrier

Cancelled Orders: Cancelled unshipped standard walk-ins will be charged a 30% restocking fee plus the cost of special panels. Cancelled refrigeration systems will be charged a 30% restocking fee and the cost of any freight accrued. Buy-out items will be charged a 25% restocking fee plus any freight

Agency Ratings: Bally units comply or surpass applicable Flame Spread-25, UL, UL 723, & NSF standards in a manner conforming to ASTM E-84, and Factory Mutual standards.

Quotation Limitations: This quotation was based upon the specifications given to Bally which may possibly be incomplete. Bally is not responsible for items missing from the quotation due to incomplete or excluded items in the specifications received from the customer. The customer is responsible for reviewing the quotation for omissions or deviations from the specifications given to Bally. All portions of the quotation are subject to revision upon receipt of detailed specifications or if changes are made following the delivery of the original quotation. Quotations expire on the date indicated on Page1 of the Quote. Approval drawings must be returned within 60 days of receipt of the purchase order. The order must ship within the agreed upon time frames or current lead times, but no later than 7 months. Any deviations to this quotation (dimensions or specification changes) will require updated pricing.

Panel Construction: Bally Panels are manufactured with environmentally friendly HFC 245-FA polyurethane foam. This polyurethane foam offers the highest thermal insulation value and the most energy efficiency per cubic inch in comparison to similar foams. It has a zero Ozone Depletion Potential (ODP) and a low Global Warming Potential (GWP). It is not considered a Volatile Organic Compound (VOC) in the US. Standard 4" Bally panels meet the 2009 Federal Energy Standards.

Refrigerants: Unless otherwise specified, refrigeration systems are quoted with environmentally friendly HFO R448A refrigerant. It has a Low Global Warming Potential (GWP) and the EPA lists it as an acceptable substitute for R404A and other high GWP refrigerants.

Automatic Door Closers: Bally includes automatic door closers and spring loaded hinges on all doors 42" wide and smaller as a standard feature with no additional charge that meet the 2009 Federal Energy Standards.

Motors: Bally units are quoted with EC and PSC motors in compliance with federal energy standards, for increased energy savings.

Lighting: Bally units are quoted with lighting in compliance with federal Energy Standards for increased energy savings.

Optional Features: Bally offers additional optional energy-saving features such as Walk-In Alarm & Light Management systems that comply or surpass the 2009 Federal energy regulations.

Version 2.8.25 Page 4 of 5



10/12/2022

Laura Craig

Last Update:

Revisor:

To:

Bally Refrigerated Boxes, Inc. Revised Specifications Morehead City, NC 28557 (800) 242-2559

Quote No: 2744-001-R03-LC

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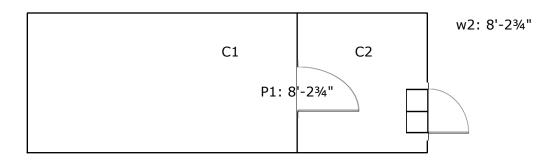
Attn:

All Bidders

This drawing is for reference purposes only and it not intended to be a formal scale model.

w3: 23'-6¾"

w4: 8'-2¾"



w1: 23'-63/4"

DOOR 1: Wall2 36" x 78" Hinged Door In a 46" Centered Hinge:Left Orientaion:Regular PARTITION 1: Wall 1 Offset:7'-8" from wall 2 Partition Length:8'-2%" PARTITION DOOR 1: Partition1 30" x 78" Hinged Door In a 46" Offset:4'-0" from wall 2 Hinge:Left

Version 2.8.25 Page 5 of 5

Revised Specifications **Buford Middle School Cooler LOAD CALCULATION**





				COO	LINC	G REQ	UIRE	MENTS								
Application	Genera	l Walk-in	Cooler				Lc	cation	Outo	loor V	Varm					
Internal Temp	35	oF	Internal RH	8	4%		Exter	nal Temp)	95 °F		Ext	ernal RH		55	5%
Wall Load	859	BTUH	Infiltration	2,140) ВТІ	UH	Pr	oducts	3	67 BT	UH	Misc	ellaneous		639	BTUH
	2:	1%		5	3%					9%					16	5%
			WA	ALL, FLOOR AND CEILING LOADS												
Section		Constru	ıction	Thickr (in	ness)	K Fac	tor	R Value	•)	Dim 1 (ft)		im 2 (ft)		Area Load (ft²) (BTUH	
Rear	Uret	hane, Star	ndard panels	4.00	00	0.14	4	28.11	35.		8.20		8.50			
		Doc						15.00		35.0 3			5.50	20		
Right End			ndard panels			0.14		28.11	99.		8.20		3.50	70		159
Front	Uret		ndard panels	4.00	00	0.14	4	28.11	99.		8.20		3.50	50		114
		Doc						15.00	99.	_	3.00		5.50	20		83
Left End			ndard panels	4.00)0	0.14	4	28.11	99.	0	8.20	- 1	3.50	70		159
Floor		On Gr		10.0	00	0.3	1	32.32		8.20		8	3.20	67		179
Ceiling	Uret	thane, Star	ndard panels	4.00	00	0.14	4	28.11	104	.0	8.20		8.20 67			165
			VOLUME (ft ³)	57	2			TO	TAL W	ALL, I	LOOR	AND	CEILIN	G LO	AD	859
INFILTRATION LOAD : ESTIMATED BY VOLUME AND USAGE																
Box Usage Internal Temp Internal I (°F) (%)			Rh	Ext	ternal (°F	al Temp Exte			Rh			tilation CFM) (Load (BTUH)		
Heavy		35	84			95			(%) 55		1				2,14	
					PRO	DUCT	LOA	DS					•			
Туре						Weig (lb)		Enter (°	•		al Temp (°F)	P	ull Dow (hrs)	'n	Load (BTUH)	
Gene	ral, Mixed	Products,	Approximation			1,14		45			35.0		24			67
			EIGHT (lbs)			1,14	TOTAL P			ROD	RODUCT LOAD 367			67		
				MIS	CEL	LANE	ous	LOADS								
Quantity			Description					Pov	ver	er Units		Run Time (hrs)		e	Load (BTUH)	
			LIGHTING					1 1		W/ft²		24			229	
2		E	VAPORATOR MOT	ORS			60				W		24		409	
l.									тот	AL M	ISCELL	ANE	OUS LO	AD	6	39
				SYST	EM [DESIG	N SU	IMMARY								
I Nan I	Safety Factor	Safet Load (BTUI	H) (Hours)	Req	acit uire (UH)	d R	efrig	erant	Lin Freque	ency	Design (°F)	Line L (°F		An	denser nbient (°F)
4,004	10%	4,405	5 16	6,	607		R44	18A	60		10.	1	0.5			105
			SY	STEM	EQI	UIPME	ENT S	ELECTI	ON							
Equipment T	ype Q	uantity	Model Nu	mber				Des	criptio	n			Voltage			iting TUH)
Condensing U		1	BEZA007H8				EZ-Lir	ne Scroll					208-230/1			,591
Evaporator		1	BLP209MA	\-S1D				Low Prof	ile Evar	orato	<u>r</u>		115/1/6	50	8	,843
				9	SYST	ГЕМ В	ALAN	ICE								
Fan Loa	Fan Load (BTUH) Suction Temp (°F)							Evaporator TD (°F) System Capacity (y (B1	TUH)			
	26.						7.9					6,892				

155 469 PAGE OF 14

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

BEZA007H8-HS2D

			EZ-LINE SCROLL CONDENSING UNITS-AIR											
	PURCHA	ANADA N3T 5Y6 ASER:				SUBMI	TTED		aura Craig		11/			
		JECT : Bufor	rd Middle	School SC					1 Oct 2022					
	ORD	ER #: 0633	8.47502.0	00469-A00			ITEM	#:1						
		TE # : Q10E	ULCA-A			ID #:								
PU	RCHASER'S I	PO # :					AGGII	NG :						
 3/8" Turefrigerar Anti-sh Adjustar Copper clamps Crankor Dischar Fan Guan 	re inhere ids iping fusible p ce valve oded he se indica ped with	nead pressure control • Compatible with Low GWP Refrigerant												
1 Sma	II P (Best@Warn II D (Good@Moo II J (Better@Mo II J (Better@Mo II R II K II H Control Circuit STABLE PRESS Son Dual with fi rate High/Low ALVE Uid Line Id Lin	rm/Moderate) arm/Moderate) m/Moderate) derate/Cold) derate/Cold) derate/Cold) derate/Cold) derate/Cold) t SURE CONTROL The surface of the su	LS HP YPASS	All Motors \ ELECTRONIC Low Pressu High Pressu Export Crati	ET 2 EVAP EI 2 E	PEED CONTR PEED CONTRO PEED CO	OLLER Inits L		1 Sealed Replacea Liquid Lin LIQUID LI *Standal *Standal OIL SEPAI With Oil One Time Oversized Pump Dov QuickVac Receiver I Single Poi SUCTION With Hea Without SUCTION Sealed T Replacea TIME CLO Paragon *230V Pa *115V Pa Wind Gua	e Lock-Out I INE SOLENO d 230V Coil d 115V Coil RATOR Filter and Sol Pump Down Receiver vn Toggle So Valves Inlet Ball Va ant Electrical ACCUMULAT It Exchanger Heat Exchan	enoid witch Ive I FOR Jer Style Style Style		5	
	LTAGE	S	YSTEM REF			RATING			TON TEMP	AMBIENT			ACITY	
208-2	30/1/60 FANS	Į.	R448			0.7Hp		2	6.6 °F	105 CIRCUIT			BTUH	
OTV	POWER	FLA/FAN	ı	TYPE	OMPRES	RLA		LRA	AMPS	WATTS	MCA		MOP‡	
QTY 1	100W	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		O6KAE-PFV	QTY 1	6		36	7	WATIS	8.5		15	
LIQUI		3/8 in	SOUND	JORAL IIV		REC CAPA	CITY	50	5 lb	1	0.5		OVALS	
SUCTION		5/8 in	WEIGHT	183	lb	REF CHA			3 lb			74111	T	
NOTES:		., c						1				¢ŲL)⊍s	.	
MCA &	MOP are for	r the condens	sing unit O	Maximum O NLY. Single po A/R449A. Non-	int conn	ections WII	L sho				nts			
APPROV										DATE:				
				e equipment is soever subiect	•				-	•			ige	

14

Revised Specifications

Bally

NATIONAL REFRIGERATION AND

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

BEZA007H8-HS2D

EZ-LINE SCROLL CONDENSING UNITS-AIR

CANADA NOT OTO	COMPENSING UNITS AIR	
PURCHASER:	SUBMITTED BY : Laura Craig	SUBMITTED BY:
PROJECT : Buford Middle School SC	DATE : 11 Oct 2022	DATE :
ORDER #: 06338.47502.00469-A00	ITEM # : 1	ITEM #:
QUOTE # : Q10EULCA-A	ID # :	ID #:
PURCHASER'S PO # :	TAGGING:	TAGGING:

SELECTED OPTION DESCRIPTIONS

Liquid Line Filter + Sight Glass - Sealed

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

Option Packages - Small B (Good@Warm/Moderate)

LLFD+SG

Time Clock - 115V Paragon 8145 Style

115V Defrost timer is time initiated, temperature or pressure terminated with a timed failsafe. Timer is shipped loose in a box for field installation.

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

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.

Order Item No: 1

BEZA007H8-HS2D

EZ-LINE SCROLL CONDENSING UNITS-AIR

DATE : **11 Oct 2022** PURCHASER :

PROJECT : Buford Middle School SC

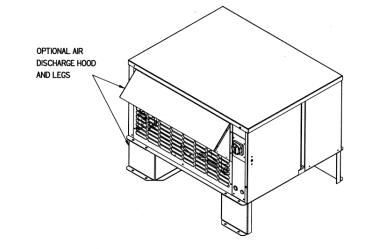
SUBMITTED BY: Laura Craig

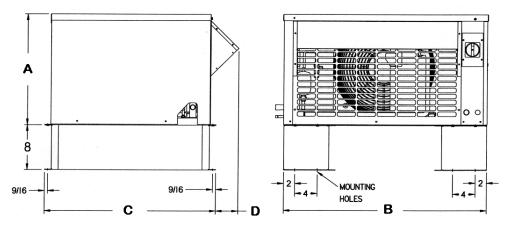
Dimensions shown are for standard unit less options.

DIMENS	IONS
DIMENSION A	19 3/8 in
DIMENSION B	24 7/8 in
DIMENSION C	30 3/8 in
DIMENSION D	4 in
DIMENSION E	
DIMENSION F	
DIMENSION G	0 in
DIMENSION H	

CONNEC	CONNECTIONS								
CONNEC	HONS								
LIQUID		3/8 in							
SUCTION		5/8 in							
DRAIN									
WATER									
DISCHARGE									
PAN LOOP									
HOT GAS SIDE PORT									
HOT GAS INLET									
HOT GAS OUTLET									
OTH	OTHER								
SHIPPING WEIGHT	-	183 lb							
REFRIGERANT CHAR	GE	3 lb							
RECEIVER CAPACIT	Υ	5 lb							

APPROVALS								
c UL us								





NOTES:

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

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.							BLP209MA-S1D								
BC				ANA	DA CORP.					LOW					
	BR/	9 ROY BLVD, PO BO ANTFORD, ON NADA N3T 5Y6	JX 2020							EVAP					
	PURCHA:				-		SUBMITT	ED B	Y : La						
		ECT : Bufor								Oct 20)22				
		R # : 06338		046	9-A00		IT		# : <u>3</u>						
PLIR	QUU1 CHASER'S P	E # : Q10E l	JLCA-A				TΔG	ID i							
1010	CHASERST	0 # .			MODEL	. FE <i>F</i>	ATURES	CIIV	.						
					with B/4" (pacion nts cion crable uards ctror (EC (*: CALV)	n central unividrain) bus electrical on suction hee high density sinically E Shipped L E H nnect Switch	and ader	• I an • (•) • I wi R ² C	High effind alumi 6 FPI AWEF = Unit Coo ith 104A/R5 LIQUI Spor Dual N Wired ROOM	9.0 pler is 507/R ID LI rlan Volta I gen C	artSpeed y enhand fin coil of AWEF/N 448A/R4 NE SOLI ge Coil Charged	ced coldesign IRCAN 49A/R ENOID 120-2 and S	compl 407A/I VALV	iant R407 /E	
				G L s in Pa ded (Sens oter I nbo (an Cable - 50ft sors + Transo Kit Display			*Med *Joh John Wire I REMO *230 *115 INST/	chanic inson inson Fan G OTE D OV Co 5V Co ALLA mum n lines	A19ABC A421ABC A421ABC Guards EFROST ntrol ntrol FION RI slope of	C-02C -02 PANE EQUIR 1" per	EMEN foot o	n all		
VOLT	AGE	SY	STEM REFI	RIGE	RANT		AIR FLOW		EVAI	P. TEMP		BOX TE	MP	CAP	ACITY
115/			R448	3A			1500 CFM		27	′.1 °F		35 °			BTUH
OTV	FANS	TIA/FANI		T\/		TERS				AMDO		CIRCUIT			MOD+
QTY 2	POWER 0.07HP	FLA/FAN 1		TY	PE Q	TY	AMPS			AMPS 2	<u> </u>	VATTS 120	MCA 2.3		MOP‡ 15
DISTRIBUT		/8 in	SOUND	Т	-		REC CAPACI	TY			╅	120	2.5		OVALS
SUCTION 7/8 in WEIGHT 70 lb					REF CHARGE 1 lb			1 lb							
NOTES: † MCA	Minimum Ci	ircuit Ampaci	ty, ‡ MOP	М	aximum Overc	urrer	nt Protection							ւ (Ս) սո	NSF
APPROVE	D BY :										DA ⁻	TE:			
					uipment is acce er subject to ac										ige

Bally

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

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

BLP209MA-S1D

LOW PROFILE EVAPORATOR

CANADA N31 516	LVAFORATOR
PURCHASER:	SUBMITTED BY: Laura Craig
PROJECT : Buford Middle School SC	DATE : 11 Oct 2022
ORDER #: 06338.47502.00469-A00	ITEM # : 3
QUOTE #: Q10EULCA-A	ID # :
PURCHASER'S PO # :	TAGGING:

SELECTED OPTION DESCRIPTIONS

Expansion Valve - Sporlan TXV

May be Type EBQ, S, SBF, O externally equalized thermostatic expansion valve. Valves are selected using the specified capacity and operating conditions of the refrigeration system as specified on the accompanying Certified Prints.

<u>Installation Requirements - Minimum slope of 1" per</u> <u>foot on all drain lines</u>

Bally recommends a minimum slope of 1" per foot on all drain lines.

<u>Installation Requirements - P-trap per evap required</u> outside of box

All evaporators must be trapped individually outside of the box to prevent vapor migration back to coil surface.

Liquid Line Solenoid Valve - Sporlan

Sporlan solenoid coil voltage matches evaporator voltage except when evaporator is 460V, then 230V solenoid coil is used. Exceptions must be clearly explained in the Notes of the option.

Pre-assembled Evap - Sporlan TXV, LLSV,T-stat

Option Package consists of factory installed Sporlan balance port TXV, Sporlan liquid line solenoid valve and Johnson Controls A19 Room thermostat.

Room Thermostats - Mechanical

Single stage temperature control with Single-Pole, Double-Throw (SPDT) mechanical switch. May be Johnson A19 or equal, Operating range of -30°F to +100°F. Adjustable differential of 3°F to 12°F. Factory installed and wired.

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.

Revised Specifications



NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

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

ONING CANADA CORP.
PO BOX 2020

BLP209MA-S1D

LOW PROFILE EVAPORATOR

Order Item No: 3

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 : **11 Oct 2022**

PURCHASER:

PROJECT : Buford Middle School SC

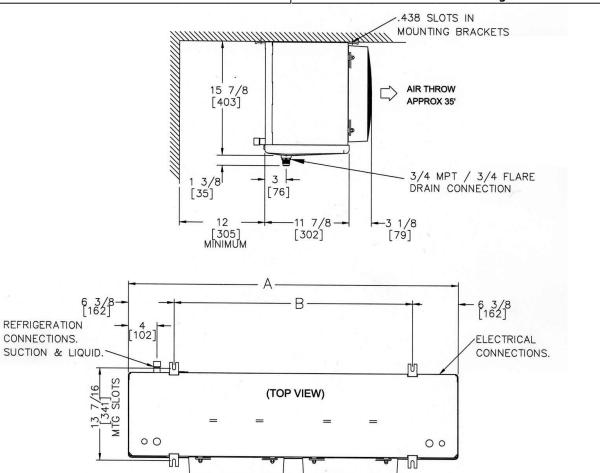
SUBMITTED BY: Laura Craig

Dimensions shown are for standard unit less options.

DIMENSIONS							
DIMENSION A	46 1/4 in						
DIMENSION B	33 1/4 in						
DIMENSION C							
DIMENSION D							
DIMENSION E							
DIMENSION F							
DIMENSION G	0 in						
DIMENSION H							

CONNECTIONS						
3/8 in						
7/8 in						
3/4 in						
ER						
70 lb						
GE 1 lb						
Υ						

APPROVALS								
c UL us	NSF							



NOTES:





				COOLI	NG REC	QUIRE	MENTS							
Application		eral Walk-in	Freezer				ocation			Warm				
Internal Tem		-10 °F	Internal RH	95%		Exte	rnal Temp		95 º		Exte	ernal I		55%
Wall Load	2,	,533 BTUH	Infiltration	640 BTUH Products		oducts	19	196 BTUH		Miscellaneous		ous	814 BTUH	
		61%		15%)				5%)				19%
			WA	LL, FLOC	R AND	CEI	LING LO	ADS						
Section		Constr	uction	Thicknes (in)	^s K Fa	ctor	R Value	Ext Te		Dim 1 (ft)		im 2 (ft)	Area (ft²)	
Rear		Urethane, Sta	indard panels	4.000	0.3	14	28.11	99.0	0	15.50	8	3.50	132	511
Right End		Urethane, Sta	indard panels	4.000	0.3	14	28.11	45.0		8.30		3.50	51	100
		Do					15.00	45.0		3.00		5.50	20	71
Front			indard panels	4.000	0.3		28.11	99.0		15.50		3.50	132	511
Left End			indard panels	4.000	0.:	14	28.11	99.0	0	8.30	8	3.50	71	274
Floor		On G		10.000			32.32			15.50		3.30	129	546
Ceiling		Urethane, Sta	indard panels	4.000	0.:	14	28.11	104.	0	15.50	8	3.30	129	522
			VOLUME (ft ³)	1,094			TO	TAL WA	۱LL,	FLOOR	AND	CEIL	ING LO	AD 2,533
		I	NFILTRATION L	OAD : ES	TIMA	ΓED B	Y DOOR	S AND	OPE	NINGS	;			
Quantity		Door or Op	ening Type		ight in)	Wid (in	LACC.	nal Temp (°F)		rnal Rh (%)	Open T (hrs		Curtains	Load (BTUH)
1		Do	or		3.00	36.0		15.0	5.	5.0	0.18	3	None	640
•			TOTA	AL INFIL	TRATI	ON L	OAD EST	IMATE	D B	Y DOOI	RS AN	D OF	PENING	640
				PR	ODUC.	TIOA	DS							
		T		T	Wei		Enter	Temp	Fin	al Tem	p P	ull D	own	Load
		Туре			(It	o)	(°	F) .				(hrs)		(BTUH)
Ge	neral, M	ixed Products	, Approximation		1,0	0.0 -10.0				24	196			
1	OTAL F	PRODUCT W	EIGHT (lbs)		1,0	94			1	TOTAL	PROD	UCT	LOAD	196
				MISCE	LLANE	ous	LOADS							
Quantity			Description				Pov	ver		Units	F	lun T hr:	_	Load (BTUH)
			LIGHTING				1			W/ft²	_	24	_	439
2			EVAPORATOR MOT	ORS			6	0		W		22		375
							•	тот	AL N	1ISCEL	LANE	ous	LOAD	814
				SYSTEM	DESI	GN SL	JMMARY							
Design Load (BTUH)	Safe Facto		d Kun Time	Capac Requir (BTU	red	Refrig	gerant		requency /		Design TD Li		e Loss (°F)	Condenser Ambient (°F)
4,184	10%	4,60)2 18	6,13	6	R44	48A	60		1	0		0.5	105
			SY	STEM E	QUIPM	ENT S	SELECTI	ON						
Equipment	Туре	Quantity	Model Nu	ımber			Des	criptio	n			Vol	tage	Rating (BTUH)
Condensing		1	BEZA020L8			EZ-Lir	ne Scroll						30/1/60	6,384
Evaporat	or	1	BLP207LE	-S2D			Low Prof	ile Evap	orato	or		208-23	30/1/60	7,189
				SYS	STEM E	BALA	NCE							
Fan L	oad (B1	TUH)	Suction Te				Evapora		(°F)		Sy	stem	Capacity 6,516	y (BTUH)
								9						

155 469 PAGE OF 14

NATIONAL REFRIGERATION AND

BEZA020L8-HS2D

B			R CONDITI ROY BLVD, PO BC		ANADA CORP.	•										
		BRA	NTFORD, ON ADA N3T 5Y6	JX 2020			EZ-LINE SCROLL CONDENSING UNITS-AIR									
	PUF	RCHAS					SUBMITTED BY: Laura Craig									
	PROJECT : Buford Middle School SC									1 Oct 202						
	(ORDEF	R # : 06338	.47502.0	0469-A00		IT	EM .	#:4							
			# : Q10EL	JLCA-A				ID -								
PU	RCHASE	R'S PC)#:					GIN	<u>G:</u>							
• 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 MODEL F • Fan motors are inher internal overloads • Pre-formed piping • Receiver with fusible off valve • Suction Service valve • Adjustable flooded he (unless otherwise indice) • Units are shipped with charge • Weatherproof electric compressor contactor is circuit					e inherer Is Joing Fusible p Le valve Le valve Le indicat Le ded with Le lectrica	 Adjustable low pressure control flex hose / fixed high pressure control flex hose / fixed high pressure control e ECM with SmartSpeed Technology. High efficiency enhanced copper and aluminium fin coil design of Compatible with Low GWP Refrest Outdoor weatherproof pre-pair cabinet 					trol wite contrology oper tu efriger	th ol ube rants				
1 Smal Smal Smal Smal Smal Smal Smal Smal	I P (Best@) I D (Good@ I D (Good@ I Q (Best@) I K I H RIC DEFRO O2 Control Cir TABLE PR Son Dual w rate High/L rate High/L rate High/L rate High/L rine d Line d Line on Line son Line son Line con Line	@Warm/I @Warm/M @Warm/M @Moderat @Moderat OST KIT CCUIT ESSURE ith flex I LOW LOW: MA	/Moderate) loderate) loderate) lote/Cold) lote/Cold) lote/Cold) F E CONTROLS hose N Reset on HP HOT GAS BYPAS aker ISON PACKAGE	ss	All Motors Var ELECTRONIC P Low Pressure High Pressure Export Crating	EVAP EFF; r Evap er Evap Hood e Check V e Temper switch RS + SPE riable Sper ressuri Control e Control f Condens sulated F rERIAL el tion Line	/alve ature Sensor ED CONTROLLER ed - 230V Units E CONTROL MPRESSOR WARI	ŧ		*Standar *Standar *Standar OIL SEPAI With Oil One Time Oversized Pump Dov QuickVac Receiver I Single Poi Sub Coolin SUCTION With Hea Without SUCTION Replacea TIME CLOC Paragon *230V Paragon *210V Paragon *210V Paragon *210V Paragon *210V Paragon *210V Paragon	Filter and Solei Pump Down Receiver wn Toggle Sw Valves inlet Ball Valv nt Electrical ng Circuit ACCUMULATO It Exchanger Heat Exchange FILTER ype ble Core CK 8145 Style aragon 8145 Si aragon 8145 Si	D VALVE noid itch PR r				
	LTAGE		SYS	STEM REFR			RATING	\bot		ION TEMP	AMBIENT			ACITY		
208-2	30/1/6			R448			2Hp		-1	9.5 °F	105			BTUH		
OTV I	POWI	ANS	FLA/FAN		TYPE	MPRESS			D A	AMPS	CIRCUIT	MCA		MOP‡		
QTY 1	100	_	1 LA/TAN	7F0	7KAE-PFV	QTY 1	13.9		RA '5	14.9	WAIIS	18.4		30		
LIQUI			8 in	SOUND	-	' - -	REC CAPACI			11 lb	1	10.		OVALS		
SUCTI			8 in	WEIGHT	315 II	b	REF CHARG	-		4 lb			_	T		
NOTES:		-	1										ւ(Մ) սո			
					Maximum Ove											
AWEF =		R404			ILY. Single poin for R407A/R4							all				
APPROV											DATE :					
					equipment is a sever subject to									ige		

Revised Specifications

Bally

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

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

BEZA020L8-HS2D

EZ-LINE SCROLL CONDENSING UNITS-AIR

CHIND/HST STO	CONTENSE CONTENS ALL
PURCHASER:	SUBMITTED BY : Laura Craig
PROJECT : Buford Middle School SC	DATE : 11 Oct 2022
ORDER #: 06338.47502.00469-A00	ITEM # : 4
QUOTE #: Q10EULCA-A	ID # :
PURCHASER'S PO # :	TAGGING:

SELECTED OPTION DESCRIPTIONS

Electric Defrost Kit - DFK-02

Electric Defrost Kit includes:

Mechanical Time Clock:

Time initiated temperature terminated with a timed failsafe.

Contactors:

Three pole definite purpose, 230V or 115V coil as defined by the control circuit voltage HtrCont1x 40A

Fuse Blocks:

1x 30A (2P) Class CC

Liquid Line Filter + Sight Glass - Sealed

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

Option Packages - Small B (Good@Warm/Moderate)

LLFD+SG

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

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.

Order Item No: 4

BEZA020L8-HS2D

EZ-LINE SCROLL CONDENSING UNITS-AIR

DATE : **11 Oct 2022** PURCHASER :

PROJECT : Buford Middle School SC

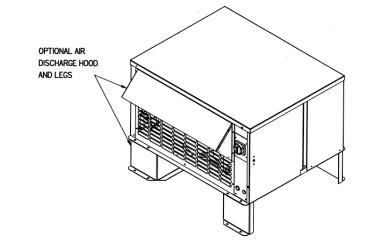
SUBMITTED BY: Laura Craig

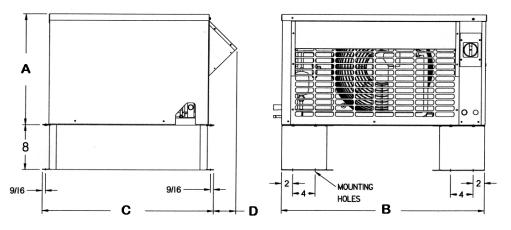
Dimensions shown are for standard unit less options.

DIMENSIONS							
DIMENSION A	19 3/8 in						
DIMENSION B	24 7/8 in						
DIMENSION C	30 3/8 in						
DIMENSION D	4 in						
DIMENSION E							
DIMENSION F							
DIMENSION G	0 in						
DIMENSION H							

CONNECTIONS						
LIQUID		3/8 in				
SUCTION		7/8 in				
DRAIN						
WATER						
DISCHARGE						
PAN LOOP						
HOT GAS SIDE PORT						
HOT GAS INLET						
HOT GAS OUTLET						
ОТНІ	ER					
SHIPPING WEIGHT		315 lb				
REFRIGERANT CHAR	GE	4 lb				
RECEIVER CAPACIT	Υ	11 lb				

APPROVALS								
c UL us								





NOTES:

AWEF = 3.1 for R404A/R507/ AWEF = 3.08 for R407A/R448A/R449A. Non-compliant DOE NRCAN model for all other refrigerants

NATIONAL REFR			BLP207LE-S2D)			
159 ROY BLVD, PO BOX 20		ADA CORP.	•	LOW PROFILE								
BRANTFORD, ÓN CANADA N3T 5Y6				EVAPORATOR								
PURCHASER :				SUBMITT								
PROJECT : Buford M						: 11 Oct	2022					
ORDER # : 06338.47		59-A00		I	TEM # ID #							
QUOTE #: Q10EULC PURCHASER'S PO #:	.A-A			ΤΔ	GGING							
TOKETASEKS TO # .		МОІ	DEL FE	ATURES	301110	•						
3/8" Tubing coil construction (reduces refrigerant operating charge) Factory installed solenoid valve wire harness Heavy gauge textured aluminum cabin construction resists scratches/corrosion Spacious piping end compartment allow for easy assembly PRE-ASSEMBLED EVAP SmartVap+ with EEV + Solvlv Sporlan TXV, LLSV,T-stat	drain • From head et • Sc • Att poly	 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 MODEL OPTIONS (* = Shipped Loose) ELECTRONIC CONTROLLER SmartVap+ Control Board and 				Ultra efficient Electronically Commutated Motor (ECM) ECM with SmartSpeed Technology High efficiency enhanced copper tube and aluminium fin coil design FFI Unit Cooler is AWEF/NRCAN compliant with R404A/R507/R448A/R449A/R407A LIQUID LINE SOLENOID VALVE Sporlan						
KE2 Evap Efficiency w/Sporlan Ti KE2 Evap Efficiency w/Sporlan Ti *KE2 Fire Times Ti	EV 1 TXV EEV C C C C C C C C C	Tamper Presport Crait COIL COAT E-Coat FIN MATER Gold Coat Copper Fir Insulated I (E2 THERN *CAT5e Sh w/connect 40' Leads Ethernet A *Remote (XV EV martVap TOR PR TOOF SCr ting TING TING TING TING TOOF TING TOOF TOOF TOOF TOOF TOOF TOOF TOOF TOO	o+ ISON PACKA Tews Pan Cable - 50ft sors + Trans Kit	ducers	Wir Nitro Nitro	red rogen OM Thechani Mechani Mechani Mohnson re Fan MOTE 230V (115V (5TALL inimur rain lin trap p	nical on A19ABC on A421AB on A421ABC on Guards DEFROST Control Control ATION RI on Slope of	and Society of PANE EQUIRITY per equired	EMEN foot or outsid	TS n all le of	
VOLTAGE SYSTE	M REFRIGI	=RANT	Т	AIR FLOW		EVAP. TEI	мр Т	BOX TE	-МР	САРА	ACITY	
208-230/1/60	R448A	-147111	+	1500 CFM		-19 °F		-10 °			BTUH	
FANS		F	HEATER			_ 	1	CIRCUIT				
QTY POWER FLA/FAN	TY	PE	QTY	AMPS		AM	PS	WATTS	MCA		MOP#	
2 0.07HP 0.6						1.	.2	120	1.4		15	
		ST HTRS		8.2				1890	10.3		15	
	OUND	-		REC CAPAC				1		APPRO	OVALS	
SUCTION 7/8 in W NOTES: † MCA Minimum Circuit Ampacity,	/EIGHT ‡ MOP M	76 lb aximum Ov		REF CHARG		1 lb				¢ ŲL ∪s	NSF	
APPROVED BY: Approval of this drawing signifies made hereon by any person							e job s				ge	

Bally

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

159 ROY BLVD, PO BOX 2020 BRANTFORD, ON

BLP207LE-S2D

LOW PROFILE EVAPORATOR

CANADA N31 316	LVAPORATOR
PURCHASER :	SUBMITTED BY: Laura Craig
PROJECT : Buford Middle School SC	DATE : 11 Oct 2022
ORDER #: 06338.47502.00469-A00	ITEM # : 5
QUOTE #: Q10EULCA-A	ID # :
PURCHASER'S PO # :	TAGGING:

SELECTED OPTION DESCRIPTIONS

Expansion Valve - Sporlan TXV

May be Type EBQ, S, SBF, O externally equalized thermostatic expansion valve. Valves are selected using the specified capacity and operating conditions of the refrigeration system as specified on the accompanying Certified Prints.

<u>Installation Requirements - Insulated drain line</u> <u>requires heat - 20W/ft</u>

Freezer condensate drain lines must be insulated and heated with a minimum of 20 watts per foot.

Installation Requirements - Minimum slope of 1" per foot on all drain lines

Bally recommends a minimum slope of 1" per foot on all drain lines.

<u>Installation Requirements - P-trap per evap required</u> <u>outside of box</u>

All evaporators must be trapped individually outside of the box to prevent vapor migration back to coil surface.

Liquid Line Solenoid Valve - Sporlan

Sporlan solenoid coil voltage matches evaporator voltage except when evaporator is 460V, then 230V solenoid coil is used. Exceptions must be clearly explained in the Notes of the option.

Pre-assembled Evap - Sporlan TXV, LLSV,T-stat

Option Package consists of factory installed Sporlan balance port TXV, Sporlan liquid line solenoid valve and Johnson Controls A19 Room thermostat.

Room Thermostats - Mechanical

Single stage temperature control with Single-Pole, Double-Throw (SPDT) mechanical switch. May be Johnson A19 or equal, Operating range of -30°F to +100°F. Adjustable differential of 3°F to 12°F. Factory installed and wired.

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.

Revised Specifications



NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

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

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.

Order Item No: 5

BLP207LE-S2D

LOW PROFILE EVAPORATOR

DATE: 11 Oct 2022

PURCHASER:

PROJECT: Buford Middle School SC

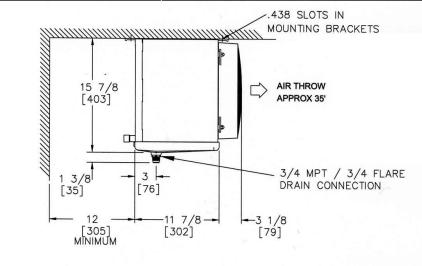
SUBMITTED BY: Laura Craig

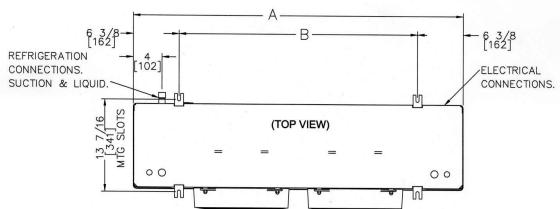
Dimensions	shown	are	for	standard	unit	less
	(ptic	ns.			

DIMENSIONS										
DIMENSION A	46 1/4 in									
DIMENSION B	33 1/4 in									
DIMENSION C										
DIMENSION D										
DIMENSION E										
DIMENSION F										
DIMENSION G	0 in									
DIMENSION H										

CONNEC	TIONS	
DISTRIBUTOR	3/8 in	
SUCTION	7/8 in	
DRAIN	3/4 in	
WATER		
DISCHARGE		
PAN LOOP		
HOT GAS SIDE PORT		
HOT GAS INLET		
HOT GAS OUTLET		
ОТНІ	ER	
SHIPPING WEIGHT	76 lb	
REFRIGERANT CHAR	GE 1 lb	
RECEIVER CAPACIT	Υ	

APPROVALS									
c UL us	NSF								





NOTES:



Bally Refrigerated Boxes, Inc. Revised Specifications Morehead City, NC 28557 (800) 242-2559

Quote No: 2760-002-R03-LC

Item No:

Job Name: Clinton Elementary School Lancaster SC Date: 10/12/2022 PVD: 10/3/2022

From: Laura Craig

Swanson-Girard & Associates 10420 Southern Loop Blvd

Pineville, NC 28134

Phone: Fax: (704)521-8801

Attn:

Last Update:

Revisor:

To:

Indoor Structure

NSF APPROVED

$Bally\ Prefabricated\ Exterior\ Dimensions:$

10/12/2022

Laura Craig

7'-9"(1) x 6'-9½"(w) x 8'-6"(h)

1 Compartments 1 Tiers With Floor 4" Floor

Ceiling: Single Span

Panel Thickness:

4 in. Exterior Vertical Used (7'-10") with 4 in. Floor, 4 in. Ceiling

Details and specifications for Quote No: 2760-002-R03-LC

Comments:

Base Finish

Vertical and Ceiling Panels: Embossed Galvalume (26 GA)

Special Finishes:

Interior Floor - Aluminum Treadplate .125" Thick

Doors/Openings:

Wall 1 Door 1 (1) 36" x 78" Hinged Door In a 46"

Wall 1 Door 1 (1) 57 1/2" Door Section

Wall 1 Door 1 (1) Bally Standard Pressure Relief Port (< 400 sq/ft)
Wall 1 Door 1 (1) Ext. Alum Diam/Tread Ramp (30-36" Door)
Wall 1 Door 1 (1) String Control (20" Door 1 Hard)

Wall 1 Door 1 (1) Strip Curtain (36" Door and Under)

Wall 1 Door 1 (1) Super Door 36" Wide and Under, 30" High

Accessories and Extras:

(1) 48" LED KEIL 48x754-CL-N Light

- 40° F to 100° F(Range)

Floor Options:

(56) S/F 1/2" Plywood Foamed in Panel

Refrigeration:

(1) BEZA 020 L8 HT3D (208-230/3/60) w/ smart speed

Includes defrost contactor for 1 Evap.

(1) BLP207LE-S2D 208-230/1/60 2 Fan 7160 BTU/h

(1) Refrigeration is calculated for standard use at a box temperature of

 -10° F. with a condensing unit ambient of 105° F.

Estimated Shipping:

Weight: 2,320.70

Destination: Lancaster, SC, 29720

Version 2.8.25 Page 2 of 4



Bally Refrigerated Boxes, Inc. Revised Specifications Morehead City, NC 28557 (800) 242-2559

Quote No: 2760-002-R03-LC

Item No:

Job Name: Clinton Elementary School Lancaster SC Date: 10/12/2022 PVD: 10/3/2022

From: Laura Craig

Swanson-Girard & Associates 10420 Southern Loop Blvd

Pineville, NC 28134

Phone: Fax: (704)521-8801

Last Update: 10/12/2022
Revisor: Laura Craig
To: All Bidders

,

Attn:

Deviations (Alternates, Remarks, Clarifications, Etc.):

Quoting Bally Standard Pre-assembled Remote Refrigeration.

Bally Floor Panels are capable of supporting up to 800 lbs. Per Sq/Ft uniformly distributed stationary loading. Bally does not recommend the use rolling loads of heavy carts, pallet jacks or fork lifts on top of the floors. Warranty for floors subjected to this type of use would not be covered by Bally.

Exclusions (Items Not Supplied by Bally):

V	Shelving, Racks, Interior Accessories	\checkmark	Caulking and Sealants
	Labor on Warranties		Refrigeration Systems
V	Alarm Systems	\checkmark	Refrigeration Accessories
V	Supervision	\checkmark	Closure Panel and Trim
V	Tubing, Wiring for Rfg. Equipment	✓	Sleeves, Penetrations, Escutcheon Plates
V	Compressor Rack	\checkmark	Floor Insulation and Vapor Barrier

Cancelled Orders: Cancelled unshipped standard walk-ins will be charged a 30% restocking fee plus the cost of special panels. Cancelled refrigeration systems will be charged a 30% restocking fee and the cost of any freight accrued. Buy-out items will be charged a 25% restocking fee plus any freight accrued.

Agency Ratings: Bally units comply or surpass applicable Flame Spread-25, UL, UL 723, & NSF standards in a manner conforming to ASTM E-84, and Factory Mutual standards.

Quotation Limitations: This quotation was based upon the specifications given to Bally which may possibly be incomplete. Bally is not responsible for items missing from the quotation due to incomplete or excluded items in the specifications received from the customer. The customer is responsible for reviewing the quotation for omissions or deviations from the specifications given to Bally. All portions of the quotation are subject to revision upon receipt of detailed specifications or if changes are made following the delivery of the original quotation. Quotations expire on the date indicated on Page 1 of the Quote. Approval drawings must be returned within 60 days of receipt of the purchase order. The order must ship within the agreed upon time frames or current lead times, but no later than 7 months. Any deviations to this quotation (dimensions or specification changes) will require updated pricing.

Panel Construction: Bally Panels are manufactured with environmentally friendly HFC 245-FA polyurethane foam. This polyurethane foam offers the highest thermal insulation value and the most energy efficiency per cubic inch in comparison to similar foams. It has a zero Ozone Depletion Potential (ODP) and a low Global Warming Potential (GWP). It is not considered a Volatile Organic Compound (VOC) in the US. Standard 4" Bally panels meet the 2009 Federal Energy Standards.

Refrigerants: Unless otherwise specified, refrigeration systems are quoted with environmentally friendly HFO R448A refrigerant. It has a Low Global Warming Potential (GWP) and the EPA lists it as an acceptable substitute for R404A and other high GWP refrigerants.

Automatic Door Closers: Bally includes automatic door closers and spring loaded hinges on all doors 42" wide and smaller as a standard feature with no additional charge that meet the 2009 Federal Energy Standards.

Motors: Bally units are quoted with EC and PSC motors in compliance with federal energy standards, for increased energy savings.

Lighting: Bally units are quoted with lighting in compliance with federal Energy Standards for increased energy savings.

Optional Features: Bally offers additional optional energy-saving features such as Walk-In Alarm & Light Management systems that comply or surpass the 2009 Federal energy regulations.

Version 2.8.25 Page 3 of 4



10/12/2022

Laura Craig

Bally Refrigerated Boxes, Inc. Revised Specifications Morehead City, NC 28557 (800) 242-2559

Quote No: 2760-002-R03-LC

Item No:

Job Name:Clinton Elementary School Lancaster SCDate:10/12/2022PVD:10/3/2022

From: Laura Craig

Swanson-Girard & Associates 10420 Southern Loop Blvd

Pineville, NC 28134

Phone: Fax: (704)521-8801

, Attn:

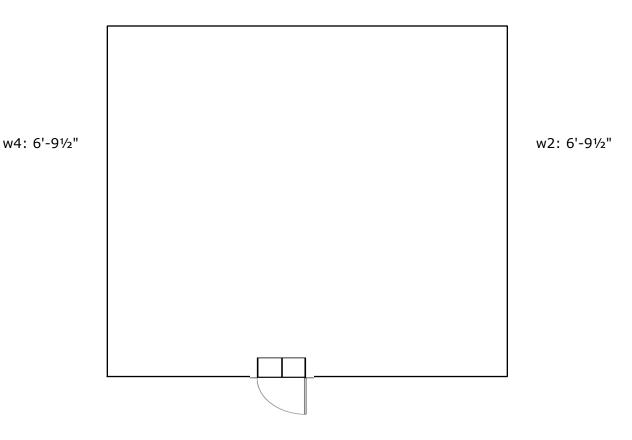
Last Update:

Revisor:

To:

This drawing is for reference purposes only and it not intended to be a formal scale model.

w3: 7'-9"



w1: 7'-9"

DOOR 1: Wall1 36" x 78" Hinged Door In a 46" Centered Hinge:Right Orientaion:Regular

Version 2.8.25 Page 4 of 4

Clinton Elementary School Freezer INDOOR LOAD CALCULATION





				COOLIN	NG REC	QUIRE	MENTS							
Applicatio	Gene	eral Walk-in	Freezer				ocation	Indoo	or					
Internal Ter		-10 °F	Internal RH	95%)		rnal Temp		85 °F		Exterr	nal RH		55%
Wall Load	1,3	320 BTUH	Infiltration	1,830 B	TUH	Pr	oducts	82 BTUH			Miscellaneous			559 BTUH
		35%		48%)				2%					15%
WALL, FLOOR AND CEILING LOADS														
Section		Constr	uction	Thicknes (in)	^s K Fa	ctor	R Value	Ext Ter (°F)	•	im 1 (ft)	Din (ft	:)	Area (ft²)	
Rear			ndard panels	4.000		14	28.57	85.0		7.80	8.5		66	220
Right End	U		ndard panels	4.000	0.	14	28.57	85.0		5.90	8.5		39	130
		Do					15.00	85.0		3.00	6.5		20	123
Front			ndard panels	4.000	0.		28.57	85.0		7.80	8.5		66	220
Left End			ndard panels	4.000	0.	14	28.57	85.0	- (5.90	8.5	0	59	195
Floor		On G		10.000		31	32.32			7.80	6.9		54	252
Ceiling		Jrethane, Sta	ndard panels	4.000	0.	14	28.57	85.0		7.80	6.9		54	179
			VOLUME (ft ³)	457			TOT	AL WA	LL, FL	OOR	AND C	EILIN	IG LO	AD 1,320
		I	NFILTRATION L	OAD : ES	TIMA	TED B	Y DOOR	S AND	OPENI	NGS				
Quantity	ı	Door or Op	ening Type		ight in)	Wid (in		nal Temp (°F)	External (%)	Rh O	pen Tim (hrs)	e Cu	rtains	Load (BTUH)
1		Do	or	78	3.00	36.0	00 8	35.0	55.0		0.18	1	None	1,830
			TOTA	AL INFIL	TRATI	ON L	DAD EST	IMATE	D BY D	OOR	S AND	OPE	NINGS	1,830
				PR	ODUC	T LOA	DS							
		Туре			Wei (II		Enter (°I		Final			l Dov	vn	Load (BTUH)
G	neral. Mi	xed Products	, Approximation		45	57	0.					24		82
			EIGHT (lbs)		457 TOTAL PR			RODU	CT LC	82				
				MISCE	LLANE	ous	LOADS							
Quantity	Τ		Description				Pov	ver .	Un	ite		n Tim	ne	Load
Quantity			<u> </u>									hrs)		(BTUH)
			LIGHTING				1		W/		_	24		184
2			EVAPORATOR MOT	ORS			60		V	-		22		375
								тот	AL MIS	CELL	ANEO	JS LC	DAD	559
				SYSTEM	DESI	GN SL	JMMARY							
Design Load (BTUH)	Safet Facto		d Kun IIme	Capac Requir (BTU	red	Refrig	gerant	Line Freque (Hz)	ncy	Design TI				Condenser Ambient (°F)
3,791	10%	4,17	0 18	5,56	1	R44	48A	60		10		0.	5	105
			SY	STEM E	QUIPM	IENT S	SELECTION	ON						
Equipmen	Equipment Type Quantity Model Nu						Des	criptio	n		Voltage			Rating (BTUH)
Condensing Unit 1 BEZA020L8-I						EZ-Lir	ne Scroll, (Condens	ing Unit	s-Air		3-230/		
Evapora	tor	1	BLP207LE	-S2D			Low Profi	le, Evap	orator		20	3-230/	1/60	
				SYS	STEM I	BALAI	NCE							
Fan	oad (BT	UH)	Suction Te	emp (°F)			Evapora	tor TD	(°F)		Syst	em Ca	apacity	(BTUH)
	-19.5												6,516	

155 469 PAGE 1 OF 7

NATIONAL REFRIGERATION AND

BEZA020L8-HT3D

AFR CONDITIONING CANADA CORP. 159 ROY BLVD, ON CANADA NST 5Y6 PURCHASER:												UNITS-A	IR		
	PU							SUBMITTI			aura Craig				
PROJECT: Clinton Elementary School Lancaster SC						С				1 Oct 202	2				
ORDER # : 06339.41918.00469-A00							11		# : 1						
QUOTE # : Q11EULCB								ID i							
PU	RCHASI	ER'S PO	O # :						GIN	G:					
refrigerar Anti-sh Adjusta On 2 fan Copper Clamps Crankca Fan Gua	nt opera ort cycl able pre models tubing ase hea ard	ating cle time ssure for only secure		control	internal o Pre-form Receiver off valve Suction Adjustal (unless ot Units ar charge Weather compress circuit	cors are verloade ned pipi r with further service ble flood cherwise e shipper proof e or conta	inherers s ing usible pl valve ded hea e indicat ed with electrical actor an	atures and liquid and liquid and pressure conted) Helium holdin I control box with a fused control = Shipped L	shut ntrol g vith	fl • • a • •	Adjustable ex hose / f ECM with High efficind alumini Compatibl Outdoor wabinet	ermetic Scroe low pressi ixed high p SmartSpee ency enhar um fin coil e with Low reatherproc	ure con ressure d Techn aced cop design GWP R of pre-p	trol wi contr ology oper tu efriger	ith rol ube rants
1 Smal Smal Smal Smal Smal Smal Smal Smal	I N (Bette I P (Best@ I P (Best@ I D (Good I D (Gest@ I K I H I H RIC DEFR 02 Control C TABLE Pl son Dual v rate High, rate High, ra	@Warm/ pr@Warm/ g@Warm/ g@Modera gModera gMode	ate/Cold) ate/Cold) te/Cold) T E CONTROLS hose AN Reset on HP HOT GAS BYPA eaker		USE V Up to 35A t Over Discha Discha Discha Discha Discha Discha Discha Discha Discha All M ELECTI Low I High Export EXTEN Cope Extend COIL C E-Co. FIN M/ Gold Copp Hail GL Heatec HOUSI Stain LIQUII 1 Seale	30A per to 50A per to 50A per 150A per	r Evap Evap Hood Check V Tempera EWITCH S + SPEI iable Spea RESSURE Control Control EAR COM (it Condens sulated R EI I I I I I I I I I I I I I I I I I I	Valve ature Sensor ED CONTROLLER ed - 230V Units E CONTROL MPRESSOR WAR			LIQUID LI *Standai *Standai *Standai OIL SEPAI With Oil One Time Oversized PHASE / V 3-Lead 6-Lead (Pump Dow QuickVac Receiver I Single Poi Sub Coolin SUCTION With Hea Without SUCTION SUCTION Paragon *230V Paragon *210V Paragon *210V Paragon *210V Paragon *210V Paragon *210V Paragon	Filter and Solei Pump Down Receiver /OLTAGE MON MotorSaver455 vn Toggle Sw Valves inlet Ball Valv int Electrical ing Circuit ACCUMULATO it Exchanger Heat Exchange FILTER ype ible Core CK 8145 Style aragon 8145 Si aragon 8145 Si	D VALVE moid MITOR i) itch ve		
VOI	LTAGE		SY	STEM RFF	RIGERAN	Т		RATING	1	SUCT	ION TEMP	AMBIENT	TEMP	CAP	ACITY
	30/3/	60	<u> </u>	R44				2Hp	+		9.5 °F	105			BTUH
		FANS				CON	MPRESS				1	CIRCUIT			
QTY	POW		FLA/FAN	+	TYPE		QTY	RLA	1.1	RA	AMPS	WATTS	I MCA		MOP‡
1	100		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		07KAE-T	<u></u>	1	8.6		8	9.6	VVAIIS	11.8		20
				SOUND		<u>-</u>				,0	9.6 11 lb	4	11.0		OVALS
LIQUI			/8 in					REC CAPACI						APPR	UVALS
SUCTION 7/8 in WEIGHT 315 lb						•	REF CHARGE 4 Ib								
NOTES:												շ∰սո	1		
MCA &	MOP a 3.1 fo	re for t or R404	the condens	ing unit C	NLY. Sing	le poin	t conne	nt Protection ections WILL 49A. Non-cor					all		
APPROV Appr			awina sianif	ies that th	ne eauinm	ent is a	accenta	ble under the	prov	vision		DATE:	ons. An	v char	nae
								tance by NAT							ige

Bally

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

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

BEZA020L8-HT3D

EZ-LINE SCROLL CONDENSING UNITS-AIR

CANADA NOT 510	· ·	CHELISTIC CHITS AIR
PURCHASER:	SUBMITTED BY : L	∟aura Craig
PROJECT: Clinton Elementary School Lancaster SC	DATE : 1	11 Oct 2022
ORDER #: 06339.41918.00469-A00	ITEM # : 1	
QUOTE # : Q11EULCB	ID # :	
PURCHASER'S PO # :	TAGGING:	

SELECTED OPTION DESCRIPTIONS

Electric Defrost Kit - DFK-02

Electric Defrost Kit includes:

Mechanical Time Clock:

Time initiated temperature terminated with a timed failsafe.

Contactors:

Three pole definite purpose, 230V or 115V coil as defined by the control circuit voltage HtrCont1x 40A

Fuse Blocks:

1x 30A (2P) Class CC

Liquid Line Filter + Sight Glass - Sealed

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

Option Packages - Small B (Good@Warm/Moderate)

LLFD+SG

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

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.

Order Item No: 1

BEZA020L8-HT3D

EZ-LINE SCROLL CONDENSING UNITS-AIR

DATE : **11 Oct 2022**

PURCHASER:

PROJECT : Clinton Elementary School Lancaster SC

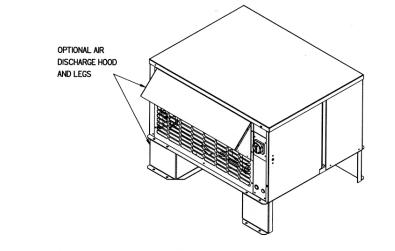
SUBMITTED BY: Laura Craig

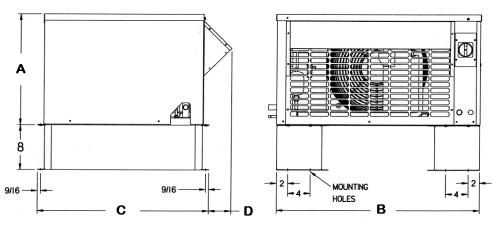
Dimensions shown are for standard unit less options.

DIMENSIONS									
DIMENSION A	19 3/8 in								
DIMENSION B	24 7/8 in								
DIMENSION C	30 3/8 in								
DIMENSION D	4 in								
DIMENSION E									
DIMENSION F									
DIMENSION G	0 in								
DIMENSION H									

CONNECTIONS									
LIQUID		3/8 in							
SUCTION		7/8 in							
DRAIN									
WATER									
DISCHARGE									
PAN LOOP									
HOT GAS SIDE PORT									
HOT GAS INLET									
HOT GAS OUTLET									
OTH	ER								
SHIPPING WEIGHT	-	315 lb							
REFRIGERANT CHAR	GE	4 lb							
RECEIVER CAPACIT	Υ	11 lb							

APPROVALS									
c (UL) us									





NOTES:

AWEF = 3.1 for R404A/R507/ AWEF = 3.08 for R407A/R448A/R449A. Non-compliant DOE NRCAN model for all other refrigerants

NATIONAL REFRIGERATION AND						BLP207LE-S2D									
BO	AIR CONDITIONING CANADA CORP.														
	159 ROY BLVD, PO BOX 2020 BRANTFORD, ON CANADA N3T 5Y6					LOW PROFILE EVAPORATOR									
PURCHASER:						SUBMITT	ED BY	: La	ura Craig						
PROJECT : Clinton Elementary School Lancaster SC					sc				L Oct 202						
	ORDE	R # : 06339 .	.41918.00	0469-A00		I.	TEM #								
		E # : Q11EU	LCB				ID#								
PURCH	HASER'S P	O # :			DEL EE	TAC ATURES	GGING	<u>:</u>							
• 3/8" Tubing	coil constr	ruction (reduce	25 •	Hinged drain			versal		Illtra offici	ent Electror	nically				
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 drain connection (3/2 • Front access to spa header compartment • Schrader connectio • Attractive and dura polyethylene fan gua					on (3/4" to spaci tments nection d durabl	drain) ous electrical on suction he le high densit	l and eader y	ar • • •	ommutated ECM with the High efficion of aluminion 6 FPI Unit Coole	d Motor (EC SmartSpeed ency enhan um fin coil d r is AWEF/N 'R507/R448	M) ' d Technol ced copp design	er tu mplia	ant		
DDE-AS	SEMBLED	EVAD	ĮV.	ELECTRON	_		Loose)	LTOUTD	LINE SOL	ENOTO V	/A I \/	·=		
Sporlar KE2 EV KE2 EV *KE2 E *KE2 E *KE2 E	n TXV, LLS ap Efficien ap Efficien vap Efficie	ncy w/Sporlan ncy w/Sporlan ency w/Sporla ency w/Sporla nnector	EEV :	Display EXPANSIO Sporlan T Sporlan E EEV for S	ON VALV XV EEV martVap FOR PR	o+ ISON PACK			Wired Nitroge ROOM 1 Mechal	oltage Coil n Charged THERMOST nical	and Sea ATS		eld		
Painted	l White			Export Cra					_	on A421AB					
	ss Steel	C DOADDC	Г	COIL COAT	TING			_	_	n A421ABC	:-02				
	mp Senso	C BOARDS	L	E-Coat FIN MATE	RTAI			L		n Guards E DEFROS1	PANFI				
	Air Temp		Г	Gold Coat					_	Control	IANEL				
KE2 Ad *KE2 Ad *KE2 Th *KE2 Th *KE2 T	DLLER laptive Co daptive Co erm Evap herm Eval	ontrol orator Efficien porator Efficie	ncy ency	w/connec 40' Leads Ethernet / *Remote *Liquid / \$	Drain F M Shielded Stors Son Sen Adapter Combo	Cable - 50ft sors + Trans Kit Display Heat Excha	anger	1	INSTAL Minimu drain li P-trap box Insulat 20W/ft	per evap re ted drain lin	1" per fo	ot or utside s hea	n all e of at -		
VOLTA		SYS	TEM REFR			AIR FLOW			P. TEMP	BOX TE			CITY		
208-230			R448			1500 CFM	<u> </u>	-1	L9 ºF	-10 °		516	BTUH		
QTY	FANS POWER	FLA/FAN		TYPE	HEATER QTY	AMPS			AMPS	CIRCUIT WATTS	MCA†	l M	10P‡		
_	0.07HP	0.6			+ ~''	7,1113			1.2	120	1.4	+ "	15		
			DEFF	ROST HTRS		8.2				1890	10.3		15		
				REC CAPAC	ITY				Α	PPRC	OVALS				
SUCTION 7/8 in WEIGHT 76 lb				REF CHARG	GE		1 lb			(i)	100				
NOTES: + MCA M	inimum Ci	ircuit Ampacit	zy, ‡ MOP.	. Maximum O	vercurre	ent Protection	1					ŲL)us	NSF		
APPROVED	BY:									DATE :	I				
				equipment is sever subject t									је		

AIR CONDITIONING CANADA CORP. 159 ROY BLVD, PO BOX 2020 BRANTFORD, ON

NATIONAL REFRIGERATION AND

BLP207LE-S2D

LOW PROFILE

CANADA N3T 5Y6	EVAPORATOR	(
PURCHASER:	SUBMITTED BY: Laura Craig	
PROJECT: Clinton Elementary School Lancaster SC	DATE: 11 Oct 2022	
ORDER #: 06339.41918.00469-A00	ITEM # : 2	
QUOTE #: Q11EULCB	ID # :	
PURCHASER'S PO # :	TAGGING:	

SELECTED OPTION DESCRIPTIONS

Expansion Valve - Sporlan TXV

May be Type EBQ, S, SBF, O externally equalized thermostatic expansion valve. Valves are selected using the specified capacity and operating conditions of the refrigeration system as specified on the accompanying Certified Prints.

Installation Requirements - Insulated drain line requires heat - 20W/ft

Freezer condensate drain lines must be insulated and heated with a minimum of 20 watts per foot.

Installation Requirements - Minimum slope of 1" per foot on all drain lines

Bally recommends a minimum slope of 1" per foot on all drain llines.

Installation Requirements - P-trap per evap required outside of box

All evaporators must be trapped individually outside of the box to prevent vapor migration back to coil surface.

Liquid Line Solenoid Valve - Sporlan

Sporlan solenoid coil voltage matches evaporator voltage except when evaporator is 460V, then 230V solenoid coil is used. Exceptions must be clearly explained in the Notes of the option.

Pre-assembled Evap - Sporlan TXV, LLSV,T-stat

Option Package consists of factory installed Sporlan balance port TXV, Sporlan liquid line solenoid valve and Johnson Controls A19 Room thermostat.

Room Thermostats - Mechanical

Single stage temperature control with Single-Pole, Double-Throw (SPDT) mechanical switch. May be Johnson A19 or equal, Operating range of -30°F to +100°F. Adjustable differential of 3°F to 12°F. Factory installed and wired.

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.

Revised Specifications



NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

159 ROY BLVD, PO BOX 2020 BRANTFORD, ON CANADA N3T 5Y6 Order Item No: 2

BLP207LE-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 : **11 Oct 2022**

PURCHASER:

PROJECT: Clinton Elementary School Lancaster SC

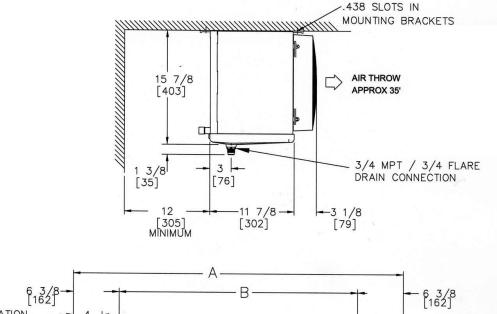
SUBMITTED BY: Laura Craig

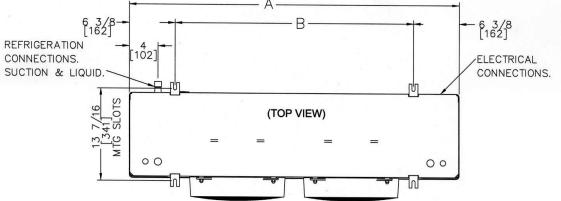
Dimensions shown are for standard unit less options.

DIMENSIONS									
DIMENSION A	46 1/4 in								
DIMENSION B	33 1/4 in								
DIMENSION C									
DIMENSION D									
DIMENSION E									
DIMENSION F									
DIMENSION G	0 in								
DIMENSION H									

CONNECTIONS								
DISTRIBUTOR	3/8 in							
SUCTION	7/8 in							
DRAIN	3/4 in							
WATER								
DISCHARGE								
PAN LOOP								
HOT GAS SIDE PORT								
HOT GAS INLET								
HOT GAS OUTLET								
OTHER								
SHIPPING WEIGHT	76 lb							
REFRIGERANT CHAR	GE 1 lb							
RECEIVER CAPACIT	Υ							

APPROVALS									
c (UL) us	NSF								





NOTES:



Bally Refrigerated Boxes, Inc. Revised Specifications Morehead City, NC 28557 (800) 242-2559

Ouote No: 2759-001-R05-LC

Item No:

Job Name: Erwin Elementary

Date: 10/12/2022 *PVD:* 10/3/2022

From: Laura Craig

Swanson-Girard & Associates 10420 Southern Loop Blvd

Pineville, NC 28134

Phone: Fax: (704)521-8801

Attn:

Last Update:

Revisor:

To:

Outdoor Stand Alone

NSF APPROVED

Bally Prefabricated Exterior Dimensions:

24'-0½"(1) x 11'-7"(w) x 8'-6"(h)

10/12/2022

Laura Craig

2 Compartments 1 Tiers With Floor 4" Floor

Ceiling: Single Span

Panel Thickness:

4 in. Exterior Vertical Used (7'-10") with 4 in. Partition, 4 in. Floor, 4 in. Ceiling

Details and specifications for Quote No: 2759-001-R05-LC

Comments:

Base Finish

Vertical and Ceiling Panels: Embossed Galvalume (26 GA)

Special Finishes:

Exterior Door - Embossed Tan

Exterior Door Frame - Embossed Tan

Exterior Floor - Embossed Tan

Interior Floor - Aluminum Treadplate .125" Thick

Wall 1 - Exterior Verticals - Embossed Tan

Wall 2 - Exterior Verticals - Embossed Tan

Wall 3 - Exterior Verticals - Embossed Tan

Wall 4 - Exterior Verticals - Embossed Tan

Doors/Openings:

Wall 1 Door 1 (1) 36" x 78" Hinged Door In a 46"

Wall 1 Door 1 (1) Ext.Alum Diam/Tread Ramp (30-36" Door)

Wall 1 Door 1 (1) Strip Curtain (36" Door and Under)

Wall 1 Door 1 (1) Super Door 36" Wide and Under, 30" High

Wall 1 Door 2 (1) 36" x 78" Hinged Door In a 46"

Wall 1 Door 2 (1) Bally Standard Pressure Relief Port (< 400 sq/ft) Wall 1 Door 2 (1) Ext.Alum Diam/Tread Ramp (30-36" Door)

Wall 1 Door 2 (1) Strip Curtain (36" Door and Under)

Wall 1 Door 2 (1) Super Door 36" Wide and Under, 30" High

Accessories and Extras:

Version 2.8.25 Page 2 of 5



10/12/2022

Laura Craig

Bally Refrigerated Boxes, Inc. Revised Specifications Morehead City, NC 28557 (800) 242-2559

Ouote No: 2759-001-R05-LC

Item No:

Job Name: Erwin Elementary

Date: 10/12/2022 *PVD:* 10/3/2022

From: Laura Craig

Swanson-Girard & Associates 10420 Southern Loop Blvd

Pineville, NC 28134

Phone: Fax: (704)521-8801

Attn:

Last Update:

Revisor:

To:

(4) 48" LED KEIL 48x754-CL-N Light

- 40° F to 100° F(Range)

(74) L/F REB(Reinforced Exterior Bottom)'s

(300) S/F Outdoor Membrane Roof 40 mil standard

(300) S/F Tapered Insul 1/8" on 12"

(64) Shear Plates (Galvanized)

(1) The loads are 20 Lbs psf live and 114 Mph RC II Wind. The customer must verify that the loads shown on this quote comply with local building codes.

(8) WA-3 Wall Anchor Outside Vertical 4"

(30) WA-4 Wall Anchor Outside Corner 4"

Floor Options:

(300) S/F 1/2" Plywood Foamed in Panel

Refrigeration:

 $(1) BEZA \ 007 \ H8 \ HT3DB \ (208-230/3/60) \ w/ \ smart \ speed$

Scroll Unit 7190 BTU

(1) BEZA 045 L8 HT3DN (208-230/3/60)

Includes: Suction Accumulator

(1) BLP107-MA-S1D 115/1/60 1 Fan 7000 BTU/h

(1) BLP316LE-S2D 208-230/1/60

3 Fan 16200 BTU/h

- (1) Refrigeration is calculated for standard use at a box temperature of 35° F. for the cooler and –10° F. for the freezer with a condensing unit ambient of 105° F.
- (1) The refrigeration is calculated for a line run of less 50 ft.
- (1) Time Clock 8145 (shipped loose) 115/1/60

Estimated Shipping:

Weight: 8,456.66

Destination: Lancaster, SC, 297**

Version 2.8.25 Page 3 of 5



Revised Specifications Bally Refrigerated Boxes, Inc. Morehead City, NC 28557 (800) 242-2559

Ouote No: 2759-001-R05-LC

Item No:

Job Name: Erwin Elementary

Date: 10/12/2022 PVD: 10/3/2022

From: Laura Craig

> Swanson-Girard & Associates 10420 Southern Loop Blvd

Pineville, NC 28134

Phone: Fax: (704)521-8801

Last Update: 10/12/2022 Revisor: Laura Craig All Bidders

To:

Attn:

Deviations (Alternates, Remarks, Clarifications, Etc.):

Bally Floor Panels are capable of supporting up to 800 lbs. Per Sq/Ft uniformly distributed stationary loading. Bally does not recommend the use rolling loads of heavy carts, pallet jacks or fork lifts on top of the floors. Warranty for floors subjected to this type of use would not be covered by Bally.

Quoting Bally Standard Pre-Assembled Remote Refrigeration

Exclusions (Items Not Supplied by Bally,).	:
--	----	---

V	Shelving, Racks, Interior Accessories	\checkmark	Caulking and Sealants
	Labor on Warranties		Refrigeration Systems
V	Alarm Systems	\checkmark	Refrigeration Accessories
V	Supervision	\checkmark	Closure Panel and Trim
V	Tubing, Wiring for Rfg. Equipment	\checkmark	Sleeves, Penetrations, Escutcheon Plates
V	Compressor Rack	\checkmark	Floor Insulation and Vapor Barrier

Cancelled Orders: Cancelled unshipped standard walk-ins will be charged a 30% restocking fee plus the cost of special panels. Cancelled refrigeration systems will be charged a 30% restocking fee and the cost of any freight accrued. Buy-out items will be charged a 25% restocking fee plus any freight

Agency Ratings: Bally units comply or surpass applicable Flame Spread-25, UL, UL 723, & NSF standards in a manner conforming to ASTM E-84, and Factory Mutual standards.

Quotation Limitations: This quotation was based upon the specifications given to Bally which may possibly be incomplete. Bally is not responsible for items missing from the quotation due to incomplete or excluded items in the specifications received from the customer. The customer is responsible for reviewing the quotation for omissions or deviations from the specifications given to Bally. All portions of the quotation are subject to revision upon receipt of detailed specifications or if changes are made following the delivery of the original quotation. Quotations expire on the date indicated on Page1 of the Quote. Approval drawings must be returned within 60 days of receipt of the purchase order. The order must ship within the agreed upon time frames or current lead times, but no later than 7 months. Any deviations to this quotation (dimensions or specification changes) will require updated pricing.

Panel Construction: Bally Panels are manufactured with environmentally friendly HFC 245-FA polyurethane foam. This polyurethane foam offers the highest thermal insulation value and the most energy efficiency per cubic inch in comparison to similar foams. It has a zero Ozone Depletion Potential (ODP) and a low Global Warming Potential (GWP). It is not considered a Volatile Organic Compound (VOC) in the US. Standard 4" Bally panels meet the 2009 Federal Energy Standards.

Refrigerants: Unless otherwise specified, refrigeration systems are quoted with environmentally friendly HFO R448A refrigerant. It has a Low Global Warming Potential (GWP) and the EPA lists it as an acceptable substitute for R404A and other high GWP refrigerants.

Automatic Door Closers: Bally includes automatic door closers and spring loaded hinges on all doors 42" wide and smaller as a standard feature with no additional charge that meet the 2009 Federal Energy Standards.

Motors: Bally units are quoted with EC and PSC motors in compliance with federal energy standards, for increased energy savings.

Lighting: Bally units are quoted with lighting in compliance with federal Energy Standards for increased energy savings.

Optional Features: Bally offers additional optional energy-saving features such as Walk-In Alarm & Light Management systems that comply or surpass the 2009 Federal energy regulations.

Version 2.8.25 Page 4 of 5



Attn:

10/12/2022

Laura Craig

Last Update:

Revisor:

To:

Bally Refrigerated Boxes, Inc. Revised Specifications Morehead City, NC 28557 (800) 242-2559

Quote No: 2759-001-R05-LC

Item No:

Job Name: Erwin Elementary

Date: 10/12/2022 *PVD:* 10/3/2022

From: Laura Craig

Swanson-Girard & Associates 10420 Southern Loop Blvd

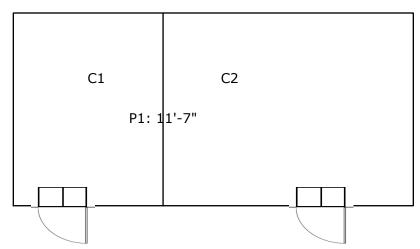
Pineville, NC 28134

Phone: Fax: (704)521-8801

This drawing is for reference purposes only and it not intended to be a formal scale model.

w3: 24'-01/2"

w4: 11'-7"



w2: 11'-7"

w1: 24'-01/2"

DOOR 1: Wall1 36" x 78" Hinged Door In a 46" Offset:4'-6" Hinge:Right Orientaion:Regular DOOR 2: Wall1 36" x 78" Hinged Door In a 46" Offset:20'-0" Hinge:Right Orientaion:Regular

PARTITION 1: Wall 1 Offset:9'-0" from wall 4 Connect

Version 2.8.25 Page 5 of 5

Revised Specifications **Erwin Elementary Cooler LOAD CALCULATION**





				COOLI	NG RE	QUIRI	EMENTS								
Application	Gener	ral Walk-in	Cooler				ocation	Outd	oor W	arm					
Internal Tem		35 ºF	Internal RH	84%	, o	External Temp			95 °F		Externa	External RH		55%	
Wall Load		91 BTUH			oducts		550 BTUH			neous	5	549 BTUH			
	31%			37%	0				16%					16%	
			WA	LL, FLOC	OR AN	D CEI	LING LO	ADS							
Section		Constr	uction	Thickness (in) K Fac		ctor R Value		Ext Te		Dim 1 (ft)	Dim (ft)		rea ft²)	Load (BTUH)	
Rear	Ur	ethane, Sta	ndard panels	4.000		14 28.11		35.0		11.58	8.50)	98		
Right End	Ur	ethane, Sta	ndard panels	4.000	0.	14	28.11	99.0		8.71		8.50 5		124	
		Do					15.00	99.0			6.50		20	83	
Front			ndard panels	4.000		14	28.11		99.0 11.58		8.50		98	224	
Left End			ndard panels	4.000	0.	14	28.11	99.0)	8.71	8.50)	74	169	
Floor		On G		10.000		31	32.32			11.58	8.71		101	244	
Ceiling	Ur	ethane, Sta	ndard panels	4.000	0.	14	28.11	104.	0	11.58	8.71	L	101	248	
			VOLUME (ft ³)	857			TO	TAL WA	LL, F	LOOR	AND CE	ILING	LOA	D 1,091	
		I	NFILTRATION L	OAD : ES	AMIT	TED B	Y DOOR	S AND	OPEN	INGS					
Quantity	D	oor or Op	ening Type		ight in)	Wid (in		nal Temp (°F)	Externa (%)	pen Time (hrs)	Curta	ins	Load (BTUH)	
1		Do	or	78	78.00 36.00				55.0 0		0.18	18 None		1,306	
			TOTA	AL INFIL	TRAT	ON L	OAD EST	IMATE	D BY	DOOR	S AND	OPENI	NGS	1,306	
				PR	ODUC	T LOA	DS								
		Туре				ight	Enter (°			l Temp		Down	Т	Load (BTUH)	
Ge	neral Mix	ed Products	, Approximation		(lb) (°		0	(°F) 0 35.0		24		+	550		
			EIGHT (lbs)		1,715		[ODUCT LOAD		550		
-				MISCE	-		LOADS								
	T			HISCL	LLAITI	-005	I	I			Dun	Time	Т	Load	
Quantity			Description	Pow			ver	er Units			(hrs)		(BTUH)		
	+		LIGHTING	1				W/ft²			24		344		
1 EVAPORATOR MOT										W		24		205	
					TOTAL MISCELLA										
				SYSTEM	DESI	GN SI	JMMARY								
Design Load	Safety		∡′ ∣ Kun ⊓me	Canac	ity			Line		Design T				Condenser Ambient	
(BTUH)	Factor	(BTU		(BTU	H)			(Hz		(°F)				(°F)	
3,496	10%	3,84		5,76			48A	60		10.	1	0.5		105	
			SY	STEM E	QUIPM	IENT S	SELECTI	ON							
Equipment Type Quantity Model Nu						criptio				Voltage		Rating (BTUH)			
Condensing		1	BEZA007H8			EZ-Li			ondensing Units-Air			-230/3/6	-	6,591	
Evaporator 1 BLP107M/							Low Prof	ile Evap	orator			115/1/60		7,106	
				SY	STEM	BALAI	NCE								
Fan L	emp (°F)		Evaporator TD (°F) System Capacity						(BTUH)						
		25	9					.5			6,672				

155 469 PAGE OF 14

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

BEZA007H8-HT3D

159 ROY BLVD, PO BOX 2020 BRANTFORD, ON CANADA N3T 5Y6		EZ-LINE SCROLL CONDENSING UNITS-AIR								
PURCHASER :		SUBMITTED	BY : L	aura Craig						
PROJECT : Erwin Eleme r	ntary			1 Oct 2022	2					
ORDER # : 06339.36374	.00469-A00	ITE	<u> И # : </u> 1							
QUOTE # : Q11EULCA-A			D#:_							
PURCHASER'S PO # :		TAGG:	ING:							
 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 Discharge line temperature sensor Fan Guard 	• Fan motors are inher internal overloads • Pre-formed piping • Receiver with fusible off valve • Suction Service valve • Adjustable flooded he (unless otherwise indice) • Units are shipped with charge • Weatherproof electric compressor contactor accircuit	plug and liquid she ead pressure contr ated) h Helium holding	ut f	Welded here Adjustable lex hose / file ECM with Select High efficie and aluminiue Compatible Outdoor we cabinet	low pressuxed high pomertSpeed incy enhand im fin coil of with Low	ure cont ressure d Techn ced cop design GWP R	trol wit contrology oper tu efriger	th ol ıbe rants		
OPTION PACKAGES 1	MODEL OPTIONS (DEFROST KIT (USE W/KE2 EVAP II Up to 30A per Evap 35A to 50A per Evap Discharge Air Hood Discharge Line Chee DISCONNECT SWITT Fused Non-Fused EC FAN MOTORS + 3 All Motors Variable ELECTRONIC PRESS Low Pressure Contre High Pressure Contre Export Crating EXTENDED 4-YEAR WARRANTY Copeland Extended Leg Kit COIL COATING E-Coat FIN MATERIAL Gold Coat Fins Copper Fins Hail Guard for Cond Heated and Insulate HOUSING MATERIA Stainless Steel Insulated Suction L	EFF) p Ck Valve CH SPEED CONTROLLE Speed - 230V Units URE CONTROL ol COMPRESSOR enser ed Receiver L	R [1 Sealed Replacea Liquid Linu LIQUID Linu *Standar *Standar OIL SEPAR With Oil I One Time Oversized PHASE / V 3-Lead 6-Lead (I Pump Dow QuickVac V Receiver I Single Poi SUCTION With Hea Without I SUCTION Sealed Ty Replacea TIME CLOO Paragon *230V Pa *115V Pa Wind Guar	e Lock-Out I NE SOLENO d 230V Coil d 115V Coil RATOR Filter and Sol Pump Dowr Receiver OLTAGE MC MotorSaver45 VI Toggle So Valves niet Ball Va nt Electrical ACCUMULAT Exchanger Heat Exch	enoid ONITOR 55) witch Ive I TOR ger Style Style Style		5		
			1							
	FRIGERANT	RATING		TION TEMP	AMBIENT			ACITY		
	48A	0.7Hp		25 °F	105			BTUH		
FANS	COMPRE				CIRCUIT	_				
QTY POWER FLA/FAN	TYPE QTY		LRA	AMPS	WATTS	MCA	.† <u>N</u>	MOP‡		
	B06KAE-TF5 1		37.8	5.8		7		15		
LIQUID 3/8 in SOUN		REC CAPACITY	<u> </u>	5 lb			APPRO	OVALS		
SUCTION 5/8 in WEIGH	HT 183 lb	REF CHARGE		3 lb						
NOTES:							ε ŲL)∪s	ļ		
† MCA Minimum Circuit Ampacity, ‡ MC MCA & MOP are for the condensing unit AWEF = 7.6 for R404A/R507/R407A/R44	ONLY. Single point con	nections WILL sh				ıts				
APPROVED BY: Approval of this drawing signifies that t made hereon by any person whon				n of the job				ge		

Bally

NATIONAL REFRIGERATION AND

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

BEZA007H8-HT3D

EZ-LINE SCROLL CONDENSING UNITS-AIR

CANADA NOT STO	COMPENSING CHITS AIN
PURCHASER:	SUBMITTED BY : Laura Craig
PROJECT : Erwin Elementary	DATE : 11 Oct 2022
ORDER #: 06339.36374.00469-A00	ITEM # : 1
QUOTE # : Q11EULCA-A	ID # :
PURCHASER'S PO #:	TAGGING:

SELECTED OPTION DESCRIPTIONS

Liquid Line Filter + Sight Glass - Sealed

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

Option Packages - Small B (Good@Warm/Moderate)

LLFD+SG

Time Clock - 115V Paragon 8145 Style

115V Defrost timer is time initiated, temperature or pressure terminated with a timed failsafe. Timer is shipped loose in a box for field installation.

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

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.

Order Item No: 1

BEZA007H8-HT3D

EZ-LINE SCROLL CONDENSING UNITS-AIR

DATE : **11 Oct 2022** PURCHASER :

PROJECT : Erwin Elementary

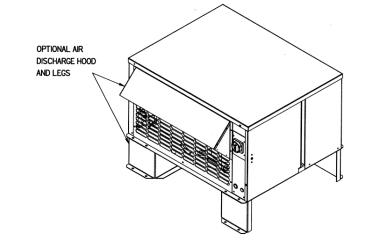
SUBMITTED BY: Laura Craig

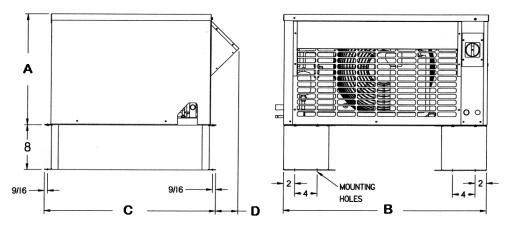
Dimensions shown are for standard unit less options.

DIMENSIONS									
DIMENSION A	19 3/8 in								
DIMENSION B	24 7/8 in								
DIMENSION C	30 3/8 in								
DIMENSION D	4 in								
DIMENSION E									
DIMENSION F									
DIMENSION G	0 in								
DIMENSION H									

CONNECTIONS								
LIQUID	3/8 i	n						
SUCTION	5/8 i	n						
DRAIN								
WATER								
DISCHARGE								
PAN LOOP								
HOT GAS SIDE PORT								
HOT GAS INLET								
HOT GAS OUTLET								
ОТНІ	ĒR							
SHIPPING WEIGHT	1	83 lb						
REFRIGERANT CHAR	GE	3 lb						
RECEIVER CAPACIT	Y	5 lb						

APPROVALS											
c UL us											





NOTES:

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

	TIONAL REF		ION AND NADA CORP.			BLP10	7MA-S	1D		
159 R BRAN	OY BLVD, PO BOX TFORD, ON		TADA CORP.			_	/ PROFILE			
PURCHASE	DA N3T 5Y6		_	SURMIT	TED BY	: Laura C				
	CT : Erwin E	lementary	,	3001111		: 11 Oct 2				
	# : 06339. 3			,	TEM # :					
	# : Q11EUL				ID # :					
PURCHASER'S PO			-	TA	GGING :					
			MODEL	FEATURES						
3/8" Tubing coil constrefrigerant operating chefrigerant operating chefrider in Factory installed solen harness Heavy gauge textured cabinet construction resscratches/corrosion Spacious piping end coallows for easy assembly PRE-ASSEMBLED E SmartVap+ with E Sporlan TXV, LLSV KE2 Evap Efficienc *KE2 Evap Efficienc *KE2 Evap Efficienc Aux Sideport Conn CABINET FINISH Painted White Stainless Steel SENSORS FOR CPC Coil Temp Sensor Return Air Temp S DEMAND DEFROST CONTROLLER KE2 Therm Evapor *KE2 Therm Evapor *KE2 Therm Evapor SmartVap+ Controd Display SmartVap+ Controd Display	arge) oid valve wire aluminum ists ompartment y EVAP EV + Solvlv ',T-stat y w/Sporlan I cy w/Sporlan ector EBOARDS ensor ettectron: cator Efficience orator Efficience tracetter EROLLER t	e dra e Fhe e S FR po Co MC I EEV EEV EEV C C C C C C C C C C C C C	dinged drain pan value connection (3/ front access to spate ader compartmen ochrader connection (3/ front access to spate acce	4" drain) acious electrica ts on on suction h able high densi ards tronically (ECM) * = Shipped ALVE /ap+ connect Swite PRISON PACK Screws n Pan ed Cable - 50ft ensors + Trans ter Kit to Display	eader ty Loose) ch AGE	• High e and alur • 6 FPI • AWEF • Unit C with R404A/F C LIQU Sp Dua Wire Nitro 1 Me *M *Jo Joh Wire REM *2 *1 INS	UID LINE S orlan I Voltage Co ed ogen Charge Chanical	nanced co poil design F/NRCAN /R449A/R OLENOII ped and S DSTATS ABC LABC-02C ABC-02 ds DST PANI I REQUIR e of 1" per	compliated Adoption of the Compliant of	iant R407 VE Field
VOLTAGE	SYST	EM REFRI		AIR FLOW		VAP. TEM		(TEMP		ACITY
115/1/60		R448A		680 CFM		25.5 °F		5 °F		BTUH
FANS OTY POWER	HEAT		1	Λ Ν Α Γ		UIT TOTA		MOP‡		
	FLA/FAN 1		YPE QT	Y AMPS		AMF		1.3		15
1 0.07HP DISTRIBUTOR 3/8	REC CAPAC	TTV		60	1.5		OVALS			
SUCTION 5/8	REF CHAR		1 lb			AL FR	T			
NOTES: + MCA Minimum Circ	•	WEIGHT , ‡ MOP	48 lb Maximum Overcu			110			c (UL) us	NSF
APPROVED BY :							DATE :			

Bally

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

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

BLP107MA-S1D

LOW PROFILE EVAPORATOR

CANADA N31 516	LVAPORATOR
PURCHASER :	SUBMITTED BY : Laura Craig
PROJECT : Erwin Elementary	DATE : 11 Oct 2022
ORDER #: 06339.36374.00469-A00	ITEM # : 3
QUOTE # : Q11EULCA-A	ID # :
PURCHASER'S PO # :	TAGGING:

SELECTED OPTION DESCRIPTIONS

Expansion Valve - Sporlan TXV

May be Type EBQ, S, SBF, O externally equalized thermostatic expansion valve. Valves are selected using the specified capacity and operating conditions of the refrigeration system as specified on the accompanying Certified Prints.

<u>Installation Requirements - Minimum slope of 1" per</u> <u>foot on all drain lines</u>

Bally recommends a minimum slope of 1" per foot on all drain lines.

<u>Installation Requirements - P-trap per evap required</u> outside of box

All evaporators must be trapped individually outside of the box to prevent vapor migration back to coil surface.

Liquid Line Solenoid Valve - Sporlan

Sporlan solenoid coil voltage matches evaporator voltage except when evaporator is 460V, then 230V solenoid coil is used. Exceptions must be clearly explained in the Notes of the option.

Pre-assembled Evap - Sporlan TXV, LLSV,T-stat

Option Package consists of factory installed Sporlan balance port TXV, Sporlan liquid line solenoid valve and Johnson Controls A19 Room thermostat.

Room Thermostats - Mechanical

Single stage temperature control with Single-Pole, Double-Throw (SPDT) mechanical switch. May be Johnson A19 or equal, Operating range of -30°F to +100°F. Adjustable differential of 3°F to 12°F. Factory installed and wired.

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

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.

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

AIR CONDITIONING CANADA CORP.

Order Item No: 3 **BLP107MA-S1D**

LOW PROFILE EVAPORATOR

DATE: 11 Oct 2022

PURCHASER:

PROJECT : Erwin Elementary

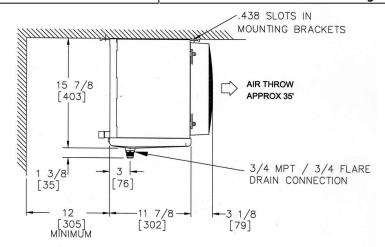
SUBMITTED BY: Laura Craig

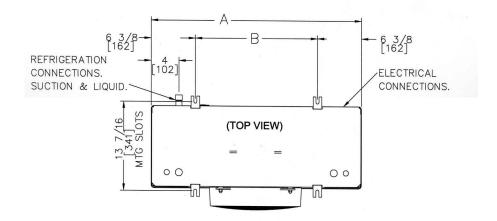
Dimensions shown are for standard unit less options.

DIMENS	IONS
DIMENSION A	30 1/4 in
DIMENSION B	17 1/4 in
DIMENSION C	
DIMENSION D	
DIMENSION E	
DIMENSION F	
DIMENSION G	0 in
DIMENSION H	

CONNECTIONS							
DISTRIBUTOR	3/8 in						
SUCTION	5/8 in						
DRAIN	3/4 in						
WATER							
DISCHARGE							
PAN LOOP							
HOT GAS SIDE PORT							
HOT GAS INLET							
HOT GAS OUTLET							
ОТНІ	ER						
SHIPPING WEIGHT	48 lb						
REFRIGERANT CHAR	GE 1 lb						
RECEIVER CAPACIT	Υ						

	APPROVALS											
c UL us	NSF											
NOTES:		ļ.										





Revised Specifications **Erwin Elementary Freezer LOAD CALCULATION**





Application General Walk-in Freezer Location Qutdoor Warm Qutdoor Warm Location Qutdoor Warm					coo	LING R	EQUIR	EMENTS										
Wall Load	Application General Walk-in Freezer						L	ocation	Outo	loor \	Warm							
Name	Internal Temp		-10 °F	Internal RH	Internal RH 95%				р	95 °F					55%			
Section	Wall Load	3,	079 BTUH	Infiltration	3,07	0 BTUH	P	Products		272 BTU		272 BTUH		Misc	cellaneous		1,172 BTUH	
Section Construction Thickness (In) Construction Thickness (In) Construction Const			41%		4	10%				4%					15%			
Rear				W	ALL, FL	OOR AI	ND CEI	LING LO	ADS									
Right End Urethane, Standard panels 4.000 0.14 28.11 99.0 11.58 8.50 98 382	Section		Constr	uction	(in	1) K F	actor	R Value	°F	•) •		- 1			(BTU	H)		
Front																		
Left End										-								
Left End	Front				4.0	00 ().14											
Floor																		
Celling	Left End					00 ().14	28.11	45.	0	11.58		8.50	98	193			
NOLUME (ft3 1,518	Floor	Insul			10.0	000	0.31	32.32			15.42	1	11.58	179	699	١		
Internal Temp (vef) (v	Ceiling	ı	Urethane, Sta	ndard panels	4.0	00 ().14	28.11	104	.0	15.42	1	11.58	179	724			
Note Substitution Condensing Unit Conde				VOLUME (ft ³	1,5	18		то	TAL W	ALL,	FLOOR	AND	CEILIN	G LO	AD 3,07	9		
Regular -10 95 95 55 3,070				INFILTRATION	LOAD	: ESTI	1ATED	BY VOL	UME A	ND U	SAGE							
Regular	Roy Usage	1		•	Rh			np E		Rh								
Type				. ,					_ ,		((CFN	1)	(
Type	Regular		-10	95			95		55	55				3,070				
Condensing Unit Condensity (Condensity						PRODU	CT LO	ADS										
Condensing Unit Condensing			Type				_			Fin) F		n				
TOTAL PRODUCT WEIGHT (lbs) 1,518											<u> </u>		_ , _ ,					
Quantity Description Power Units Run Time (hrs) (BTUH)				- ' '	'		,518								2/2			
Quantity Description Power Units Run Time (hrs) (BTUH) Load (BTUH) 3 EVAPORATOR MOTORS 60 W 22 563 SYSTEM DESIGN SUMMARY Design Load (BTUH) Safety Load (BTUH) Run Time (Hours) Capacity Required (BTUH) Refrigerant Prequency (Hz) Design To (°F) Line Loss (°F) Condenser Ambient (°F) 7,593 10% 8,353 18 11,137 R448A 60 10 0.5 105 SYSTEM EQUIPMENT SELECTION Equipment Type Quantity Model Number Description Voltage (BTUH) Rating (BTUH) Condensing Unit 1 BEZA045L8-HT3D EZ-Line Scroll Condensing Units-Air 208-230/3/60 12,860 Evaporator 1 BLP316LE-S2D Low Profile Evaporator 208-230/1/60 16,274 SYSTEM BALANCE	TO	TAL P	PRODUCT W	EIGHT (lbs)		1,	518			1	TOTAL P	ROE	DUCT LO	AD	272			
Power Units (hrs) (BTUH)					MIS	CELLAN	IEOUS	LOADS										
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3 EVAPORATOR MOTORS 60 W 22 563	Quantity			•	•													
TOTAL MISCELLANEOUS LOAD 1,172							,											
System Design Safety Load (BTUH) Suction Temp (°F) System Capacity (BTUH) System Cap	3			EVAPORATOR MO	TORS													
Design Load (BTUH) Safety Load (BTUH) Run Time (BTUH) Required (BTUH) Refrigerant Frequency (Hz) Design TD (°F) Line Loss (°F) Ambient (°F)									тот	TAL N	1ISCELL	ANE	OUS LO	AD	1,172			
Load (BTUH) Safety (BTUH) Load (BTUH) Required (BTUH) Refrigerant (BTUH) Frequency (Hz) Design 1D (°F) Line Loss (°F) Ambient (°F) 7,593 10% 8,353 18 11,137 R448A 60 10 0.5 105 SYSTEM EQUIPMENT SELECTION Equipment Type Quantity Model Number Description Voltage (BTUH) Rating (BTUH) Condensing Unit 1 BEZA045L8-HT3D EZ-Line Scroll Condensing Units-Air 208-230/3/60 12,860 Evaporator 1 BLP316LE-S2D Low Profile Evaporator 208-230/1/60 16,274 SYSTEM BALANCE Fan Load (BTUH) Suction Temp (°F) Evaporator TD (°F) System Capacity (BTUH)							IGN S	UMMARY										
SYSTEM EQUIPMENT SELECTION Equipment Type Quantity Model Number Description Voltage (BTUH) Condensing Unit 1 BEZA045L8-HT3D EZ-Line Scroll Condensing Units-Air 208-230/3/60 12,860 Evaporator 1 BLP316LE-S2D Low Profile Evaporator 208-230/1/60 16,274 SYSTEM BALANCE Fan Load (BTUH) Suction Temp (°F) Evaporator TD (°F) System Capacity (BTUH)	Load (BTUH)	Facto	Loa Or (BTU	d Run Time (Hours)	Red (B	quired TUH)			Frequ	ency	(°F)	(°F)	Ambien	_		
Equipment TypeQuantityModel NumberDescriptionVoltageRating (BTUH)Condensing Unit1BEZA045L8-HT3DEZ-Line Scroll Condensing Units-Air208-230/3/6012,860Evaporator1BLP316LE-S2DLow Profile Evaporator208-230/1/6016,274SYSTEM BALANCEFan Load (BTUH)Suction Temp (°F)Evaporator TD (°F)System Capacity (BTUH)	7,593	10%	8,35	3 18	11	1,137	R4	148A	60)	10		0.5		105			
Equipment Type Quantity Model Number Description Voltage (BTUH) Condensing Unit 1 BEZA045L8-HT3D EZ-Line Scroll Condensing Units-Air 208-230/3/60 12,860 Evaporator 1 BLP316LE-S2D Low Profile Evaporator 208-230/1/60 16,274 SYSTEM BALANCE Fan Load (BTUH) Suction Temp (°F) Evaporator TD (°F) System Capacity (BTUH)				S	YSTEM	EQUIP	MENT	SELECT	ON									
Evaporator 1 BLP316LE-S2D Low Profile Evaporator 208-230/1/60 16,274 SYSTEM BALANCE Fan Load (BTUH) Suction Temp (°F) Evaporator TD (°F) System Capacity (BTUH)			Quantity						•						(BTUH)			
SYSTEM BALANCE Fan Load (BTUH) Suction Temp (°F) Evaporator TD (°F) System Capacity (BTUH))	EZ-L					_						
Fan Load (BTUH) Suction Temp (°F) Evaporator TD (°F) System Capacity (BTUH)	Evaporator		1	BLP316L	E-S2D			Low Pro	file Evap	porato	or		208-230/1	/60	16,274			
					:	SYSTEM	BALA	NCE										
-18 7 8 2 13 <i>4</i> 38	Fan Loa	d (BT	UH)	Suction T	emp (°	°F)	Evaporator TD (°F) System Capac				pacity	(BTUH)						
10.7				-18	3.7				8.2				1	3,438				

155 469 PAGE OF 14

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

BEZA045L8-HT3D

159 ROY BLVD, PO BOX 2020 BRANTFORD, ON CANADA N3T 5Y6							EZ-LINE SCROLL CONDENSING UNITS-AIR							
	Р	URCHAS					SUBMITTE	D BY	':La	ura Craig				
			ECT : Erwin							L Oct 202	2			
			R # : 0633 9		0469-A00		ITE	EM #	: 4					
		QUOT	E # : Q11E	ULCA-A				ID#	: <u> </u>					
PU	RCHAS	SER'S P	0#:				TAG	GING	ì:					
• 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 • Discharge line temperature sensor • Fan Guard • Fan motors are inh internal overloads • Pre-formed piping • Receiver with fusib off valve • Suction Service val • Adjustable flooded (unless otherwise inc • Units are shipped v charge • Weatherproof elect compressor contacto circuit						e inherer ds bing fusible p e valve oded hea se indicat bed with electrica	lug and liquid s ad pressure con ted) Helium holding	hut trol th	fle e ar e ca	Adjustable ex hose / fi High efficiend aluminic Compatible	rmetic Scro low pressi ixed high p ency enhan um fin coil e with Low eatherproo	ure cont ressure ced cop design GWP R	trol wit contro per tu efriger	th ol ibe ants
1 Smal Smal Smal Smal Smal Smal Smal Smal	II N (Betti II P (Besti II D (Good II D (Good II J (Besti II J (Besti II J (Besti II K II J (Besti II J (Besti II K II J (Besti II J (Besti I	d@Warm/ ter@Warm/ ter@Warm/ ter@Warm/ ter@Warm/ ter@Warm/ ter@Woder ter@Moder ter@Moder trepressur with flex h/Low h/Low: M/ ter trepressur tre	ate/Cold) ate/Cold) te/Cold) T E CONTROLS hose AN Reset on HP HOT GAS BYPA BEAKER ISON PACKAG	ss	All Motors Val SmartSpeed ELECTRONIC F Low Pressure High Pressure Export Crating	EVAP EFF; r Evap er Evap Hood e Check V e Temper SWITCH RS + SPE riable Spe PRESSURI e Control e Control SYEAR COM Kit G L IS Condens Isulated F IERIAL el tion Line	/alve rature Sensor ED CONTROLLER ed - 230V Units E CONTROL MPRESSOR WARR			Replacea Liquid Line Liquid Line Liquid Line Liquid Line *Standar *Standar OIL SEPAR With Oil F One Time I Oversized FHASE / V 3-Lead 6-Lead (F Pump Dow QuickVac V Receiver I Single Poil Sub Coolin SUCTION / With Hea Without F SUCTION I Replacea TIME CLOC Paragon F *230V Pa *115V Pa Wind Guar	e Lock-Out Re NE SOLENOII d 230V Coil d 115V Coil tATOR Filter and Soler Pump Down MotorSaver455 In Toggle Swi /alves Intelectrical g Circuit ACCUMULATO t Exchanger feat Exchange feat Exchange FILTER /pe ble Core EX 8145 Style uragon 8145 St Iragon 8145 St Iragon 8145 St	elay D VALVE noid HITOR) itch e	SS Conti	nued
VO	LTAGE		SY	STEM REF	RIGERANT		RATING	To	HCT	ION TEMP	AMBIENT	TEMP	СДРА	ACITY
208-2			31	R448		-+	4.5Hp	+		8.7 °F	105			BTUH
		FANS				MPRESS					CIRCUIT			
QTY	PΩ	WER	FLA/FAN		TYPE	QTY	RLA	LR	Δ	AMPS	WATTS	MCA		4OP‡
1		ow	2.1	7F1	L3K4E-TF5	1	13.8	99		15.9		19.4		30
LIQUI			/2 in	SOUND	-	 	REC CAPACIT			22 lb	<u>' </u>			OVALS
SUCTI			L/8 in	WEIGHT		b	REF CHARGE	-		9 lb	+			1
NOTES:			-, • ···	.,	1 455 11	- l	T.E. CHARGE			J			ε (ŲL)us	
† MCA	Minii				Maximum Ov NLY. Single poir			how	diffe	rent on da	taplate.			
APPROV											DATE :			<u>I</u>
Appr					e equipment is oever subject t									ge

NATIONAL REFRIGERATION AND

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

BEZA045L8-HT3D

EZ-LINE SCROLL CONDENSING UNITS-AIR

CHARACTER STO	0011221102110 011210 71211
PURCHASER:	SUBMITTED BY : Laura Craig
PROJECT : Erwin Elementary	DATE : 11 Oct 2022
ORDER #: 06339.36374.00469-A00	ITEM # : 4
QUOTE # : Q11EULCA-A	ID # :
PURCHASER'S PO # :	TAGGING:

SELECTED OPTION DESCRIPTIONS

Electric Defrost Kit - DFK-02

Electric Defrost Kit includes:

Mechanical Time Clock:

Time initiated temperature terminated with a timed failsafe.

Contactors:

Three pole definite purpose, 230V or 115V coil as defined by the control circuit voltage HtrCont1x 40A

Fuse Blocks:

1x 30A (2P) Class CC

Liquid Line Filter + Sight Glass - Sealed

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

Option Packages - Small B (Good@Warm/Moderate)

LLFD+SG

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

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.

Order Item No: 4

BEZA045L8-HT3D

EZ-LINE SCROLL CONDENSING UNITS-AIR

DATE : **11 Oct 2022**

PURCHASER : PROJECT : **Erwin Elementary**

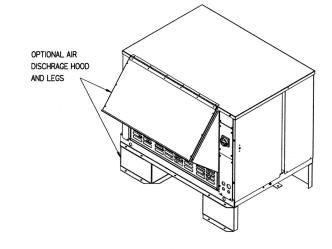
SUBMITTED BY: Laura Craig

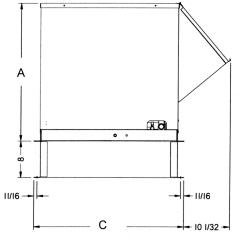
Dimensions shown are for standard unit less options.

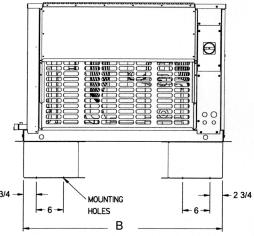
SIONS
30 3/8 in
43 7/8 in
32 7/8 in
10 1/8 in
0 in

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							
ОТНІ	ER						
SHIPPING WEIGHT	435 lb						
REFRIGERANT CHAR	GE 9 lb						
RECEIVER CAPACIT	Y 22 lb						

APPROVALS								
c UL us								







NOTES:

NATIONAL REFRIGERATION AND BLP316LE-S2D AIR CONDITIONING CANADA CORP. 159 ROY BLVD, PO BOX 2020 LOW PROFILE BRANTFORD, ÓN CANADA N3T 5Y6 **EVAPORATOR** SUBMITTED BY: Laura Craig PURCHASER: DATE : **11 Oct 2022** PROJECT : Erwin Elementary ORDER #: 06339.36374.00469-A00 ITEM # : 5 QUOTE #: Q11EULCA-A ID #: PURCHASER'S PO #: TAGGING: **MODEL FEATURES** • 3/8" Tubing coil construction (reduces Hinged drain pan with central universal Ultra efficient Electronically refrigerant operating charge) drain connection (3/4" drain) Commutated Motor (ECM) · Factory installed solenoid valve wire ECM with SmartSpeed Technology • Front access to spacious electrical and lharness • High efficiency enhanced copper tube header compartments Heavy gauge textured aluminum cabinet Schrader connection on suction header and aluminium fin coil design construction resists scratches/corrosion Attractive and durable high density • 6 FPI Spacious piping end compartment allows polyethylene fan guards Unit Cooler is AWEF/NRCAN compliant for easy assembly with R404A/R507/R448A/R449A/R407A MODEL OPTIONS (* = Shipped Loose) PRE-ASSEMBLED EVAP **ELECTRONIC CONTROLLER** LIQUID LINE SOLENOID VALVE SmartVap+ Control Board and SmartVap+ with EEV + Solvly Sporlan 1 Sporlan TXV, LLSV,T-stat Display **Dual Voltage Coil 120-230V Field EXPANSION VALVE** KE2 Evap Efficiency w/Sporlan TXV Wired Sporlan TXV Nitrogen Charged and Sealed KE2 Evap Efficiency w/Sporlan EEV *KE2 Evap Efficiency w/Sporlan TXV Sporlan EEV **ROOM THERMOSTATS** *KE2 Evap Efficiency w/Sporlan EEV EEV for SmartVap+ Mechanical **EVAPORATOR PRISON PACKAGE Aux Sideport Connector** *Mechanical CABINET FINISH **Tamper Proof Screws** *Johnson A19ABC *Johnson A421ABC-02C Painted White **Export Crating** COIL COATING Johnson A421ABC-02 Stainless Steel Wire Fan Guards SENSORS FOR CPC BOARDS F-Coat Coil Temp Sensor **FIN MATERIAL** REMOTE DEFROST PANEL Return Air Temp Sensor Gold Coat Fins *230V Control Copper Fins *115V Control **DEMAND DEFROST ELECTRONIC** CONTROLLER **Insulated Drain Pan** INSTALLATION REQUIREMENTS **KE2 Adaptive Control KE2 THERM** 1 Minimum slope of 1" per foot on all *KE2 Adaptive Control *CAT5e Shielded Cable - 50ft drain lines 1 KE2 Therm Evaporator Efficiency w/connectors P-trap per evap required outside of 40' Leads on Sensors + Transducers *KE2 Therm Evaporator Efficiency Ethernet Adapter Kit Insulated drain line requires heat -**Dual Circuit** 20W/ft *Remote Combo Display *Liquid / Suction Heat Exchanger SYSTEM REFRIGERANT **VOLTAGE** AIR FLOW EVAP. TEMP **BOX TEMP** CAPACITY 13438 BTUH 208-230/1/60 R448A 2040 CFM -18.2 °F -10 °F **FANS HEATERS** CIRCUIT TOTAL QTY **POWER** FLA/FAN TYPE QTY **AMPS AMPS** WATTS MCA† MOP[‡] 0.07HP 0.6 1.8 180 15 3 2 DEFROST HTRS 2730 14.8 11.9 15 DISTRIBUTOR 3/8 in SOUND REC CAPACITY **APPROVALS** SUCTION 1 1/8 in WEIGHT 115 lb REF CHARGE 4 lb c(ŲL)us 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.

Bally

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

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

BLP316LE-S2D

LOW PROFILE EVAPORATOR

CANADA N31 516	LVAFORATOR
PURCHASER :	SUBMITTED BY: Laura Craig
PROJECT : Erwin Elementary	DATE : 11 Oct 2022
ORDER #: 06339.36374.00469-A00	ITEM # : 5
QUOTE # : Q11EULCA-A	ID # :
PURCHASER'S PO # :	TAGGING:

SELECTED OPTION DESCRIPTIONS

Expansion Valve - Sporlan TXV

May be Type EBQ, S, SBF, O externally equalized thermostatic expansion valve. Valves are selected using the specified capacity and operating conditions of the refrigeration system as specified on the accompanying Certified Prints.

<u>Installation Requirements - Insulated drain line</u> <u>requires heat - 20W/ft</u>

Freezer condensate drain lines must be insulated and heated with a minimum of 20 watts per foot.

Installation Requirements - Minimum slope of 1" per foot on all drain lines

Bally recommends a minimum slope of 1" per foot on all drain lines.

<u>Installation Requirements - P-trap per evap required</u> <u>outside of box</u>

All evaporators must be trapped individually outside of the box to prevent vapor migration back to coil surface.

Liquid Line Solenoid Valve - Sporlan

Sporlan solenoid coil voltage matches evaporator voltage except when evaporator is 460V, then 230V solenoid coil is used. Exceptions must be clearly explained in the Notes of the option.

Pre-assembled Evap - Sporlan TXV, LLSV,T-stat

Option Package consists of factory installed Sporlan balance port TXV, Sporlan liquid line solenoid valve and Johnson Controls A19 Room thermostat.

Room Thermostats - Mechanical

Single stage temperature control with Single-Pole, Double-Throw (SPDT) mechanical switch. May be Johnson A19 or equal, Operating range of -30°F to +100°F. Adjustable differential of 3°F to 12°F. Factory installed and wired.

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.

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.

159 ROY BLVD, PO BOX 2020 BRANTFORD, ON CANADA N3T 5Y6 Order Item No: 5

BLP316LE-S2D

LOW PROFILE EVAPORATOR

DATE : **11 Oct 2022**

PURCHASER:

PROJECT : Erwin Elementary

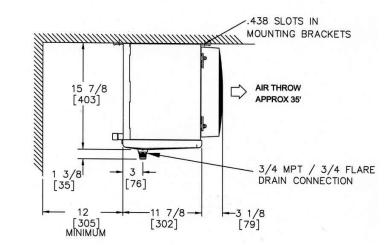
SUBMITTED BY: Laura Craig

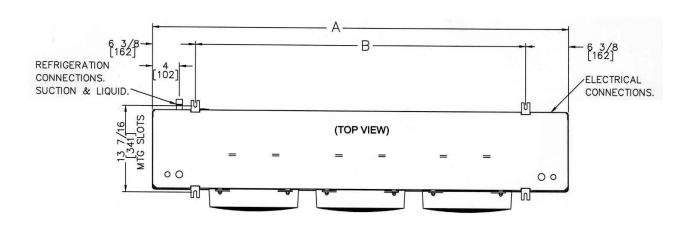
Dimensions shown are for standard unit less options.

DIMENSIONS								
DIMENSION A	62 1/4 in							
DIMENSION B	49 1/4 in							
DIMENSION C								
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							
ОТНІ	ER						
SHIPPING WEIGHT	Г 115 lb						
REFRIGERANT CHAR	GE 4 lb						
RECEIVER CAPACIT	Υ						

APPROVALS									
c (UL) us	NSF								







All Bidders

Bally Refrigerated Boxes, Inc. Revised Specifications Morehead City, NC 28557 (800) 242-2559

Quote No: 2757-001-R04-LC

Item No:

Job Name: McDonald Green Elementary School *Date:* 10/12/2022 *PVD:* 10/3/2022

From: Laura Craig

Swanson-Girard & Associates 10420 Southern Loop Blvd

Pineville, NC 28134

Phone: Fax: (704)521-8801

Attn:

Last Update:

Revisor:

To:

Indoor Structure

NSF APPROVED

Bally Prefabricated Exterior Dimensions:

10/12/2022

Laura Craig

15'-5"(l) x 9'-8"(w) x 8'-6"(h)

2 Compartments 1 Tiers With Floor 4" Floor

Ceiling: Single Span

Panel Thickness:

4 in. Exterior Vertical Used (7'-10") with 4 in. Partition, 4 in. Floor, 4 in. Ceiling

Details and specifications for Quote No: 2757-001-R04-LC

Comments:

Base Finish

Vertical and Ceiling Panels: Embossed Galvalume (26 GA)

Special Finishes:

Interior Floor - Aluminum Treadplate .125" Thick

Doors/Openings:

Wall 1 Door 1 (1) 36" x 78" Hinged Door In a 46"

Wall 1 Door 1 (1) Bally Standard Pressure Relief Port (< 400 sq/ft)

Wall 1 Door 1 (1) Strip Curtain (36" Door and Under)

Wall 1 Door 1 (1) Super Door 36" Wide and Under, 30" High

Wall 1 Door 2 (1) 36" x 78" Hinged Door In a 69"

Wall 1 Door 2 (1) Super Door 36" Wide and Under, 30" High

Accessories and Extras:

(4) 48" LED KEIL 48x754-CL-N Light

- 40° F to 100° F(Range)

(1) Box set in 4" depression from top of finished floor.

(48) S/F Emboss Galvalume (Closure Metal)

Floor Options:

(160) S/F 1/2" Plywood Foamed in Panel

Refrigeration:

(1) BEZA 007 H8 HT3DB (208-230/3/60) w/ smart speed

Scroll Unit 7190 BTU

(1) BEZA 020 L8 HT3D (208-230/3/60) w/ smart speed

Includes defrost contactor for 1 Evap.

(1) BLP207LE-S2D 208-230/1/60

2 Fan 7160 BTU/h

(1) BLP209-MA-S1D 115/1/60

2 Fan 8700 BTU/h

(1) Refrigeration is calculated for standard use at a box temperature of 35° F. for the cooler and -10° F. for the freezer with a condensing

unit ambient of 105° F.

(1) Time Clock 8145 (shipped loose) 115/1/60

Version 2.8.25 Page 2 of 5



All Bidders

Bally Refrigerated Boxes, Inc. Revised Specifications **Morehead City, NC 28557 (800) 242-2559**

Quote No: 2757-001-R04-LC

Item No:

Job Name:McDonald Green Elementary SchoolDate:10/12/2022PVD:10/3/2022

From: Laura Craig

Swanson-Girard & Associates 10420 Southern Loop Blvd

Pineville, NC 28134

Phone: Fax: (704)521-8801

,

Last Update:

Revisor:

To:

Estimated Shipping:

Attn:

Weight: 5,050.89

Destination: Lancaster, SC, 29720

10/12/2022

Laura Craig

Version 2.8.25 Page 3 of 5



Bally Refrigerated Boxes, Inc. Revised Specifications Morehead City, NC 28557 (800) 242-2559

Quote No: 2757-001-R04-LC

Item No:

Job Name: McDonald Green Elementary School *Date:* 10/12/2022 *PVD:* 10/3/2022

From: Laura Craig

Swanson-Girard & Associates 10420 Southern Loop Blvd Pineville, NC 28134

Phone: Fax: (704)521-8801

Last Update: 10/12/2022
Revisor: Laura Craig
To: All Bidders

Attn:

Deviations (Alternates, Remarks, Clarifications, Etc.):

Bally Floor Panels are capable of supporting up to 800 lbs. Per Sq/Ft uniformly distributed stationary loading. Bally does not recommend the use rolling loads of heavy carts, pallet jacks or fork lifts on top of the floors. Warranty for floors subjected to this type of use would not be covered by Bally.

Quoting Bally Standard Pre-Assembled Remote Refrigeration.

Exclusions	(Items	Not	Sup	plied	by	Bally)	:
------------	--------	-----	-----	-------	----	--------	---

$ \sqrt{} $	Shelving, Racks, Interior Accessories	\checkmark	Caulking and Sealants
	Labor on Warranties		Refrigeration Systems
V	Alarm Systems		Refrigeration Accessories
V	Supervision		Closure Panel and Trim
V	Tubing, Wiring for Rfg. Equipment	\checkmark	Sleeves, Penetrations, Escutcheon Plates
V	Compressor Rack	$\overline{\checkmark}$	Floor Insulation and Vapor Barrier

Cancelled Orders: Cancelled unshipped standard walk-ins will be charged a 30% restocking fee plus the cost of special panels. Cancelled refrigeration systems will be charged a 30% restocking fee and the cost of any freight accrued. Buy-out items will be charged a 25% restocking fee plus any freight accrued.

Agency Ratings: Bally units comply or surpass applicable Flame Spread-25, UL, UL 723, & NSF standards in a manner conforming to ASTM E-84, and Factory Mutual standards.

Quotation Limitations: This quotation was based upon the specifications given to Bally which may possibly be incomplete. Bally is not responsible for items missing from the quotation due to incomplete or excluded items in the specifications received from the customer. The customer is responsible for reviewing the quotation for omissions or deviations from the specifications given to Bally. All portions of the quotation are subject to revision upon receipt of detailed specifications or if changes are made following the delivery of the original quotation. Quotations expire on the date indicated on Page1 of the Quote. Approval drawings must be returned within 60 days of receipt of the purchase order. The order must ship within the agreed upon time frames or current lead times, but no later than 7 months. Any deviations to this quotation (dimensions or specification changes) will require updated pricing.

Panel Construction: Bally Panels are manufactured with environmentally friendly HFC 245-FA polyurethane foam. This polyurethane foam offers the highest thermal insulation value and the most energy efficiency per cubic inch in comparison to similar foams. It has a zero Ozone Depletion Potential (ODP) and a low Global Warming Potential (GWP). It is not considered a Volatile Organic Compound (VOC) in the US. Standard 4" Bally panels meet the 2009 Federal Energy Standards.

Refrigerants: Unless otherwise specified, refrigeration systems are quoted with environmentally friendly HFO R448A refrigerant. It has a Low Global Warming Potential (GWP) and the EPA lists it as an acceptable substitute for R404A and other high GWP refrigerants.

Automatic Door Closers: Bally includes automatic door closers and spring loaded hinges on all doors 42" wide and smaller as a standard feature with no additional charge that meet the 2009 Federal Energy Standards.

Motors: Bally units are quoted with EC and PSC motors in compliance with federal energy standards, for increased energy savings.

Lighting: Bally units are quoted with lighting in compliance with federal Energy Standards for increased energy savings.

Optional Features: Bally offers additional optional energy-saving features such as Walk-In Alarm & Light Management systems that comply or surpass the 2009 Federal energy regulations.

Version 2.8.25 Page 4 of 5



All Bidders

Last Update:

Revisor:

To:

Bally Refrigerated Boxes, Inc. Revised Specifications Morehead City, NC 28557 (800) 242-2559

Quote No: 2757-001-R04-LC

Item No:

Job Name:McDonald Green Elementary SchoolDate:10/12/2022PVD:10/3/2022

C2 From: Laura Craig

Swanson-Girard & Associates 10420 Southern Loop Blvd

Pineville, NC 28134

Phone: Fax: (704)521-8801

, Attn:

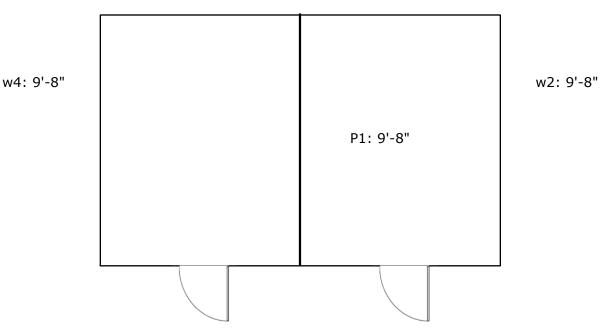
10/12/2022

Laura Craig

C1

This drawing is for reference purposes only and it not intended to be a formal scale model.

w3: 15'-5"



w1: 15'-5"

DOOR 1: Wall1 36" x 78" Hinged Door In a 46" Offset:4'-0" Hinge:Right Orientaion:Regular DOOR 2: Wall1 36" x 78" Hinged Door In a 69" Offset:12'-0" Hinge:Right Orientaion:Regular

PARTITION 1: Wall 1 Centered Connect

Version 2.8.25 Page 5 of 5

Revised Specifications McDonald Green Elem Cooler LOAD CALCULATION





					COOL	ING F	REQUIF	REMENTS	3								
Application	General	Walk-in	Coole	r	Location				Inc	Indoor							
Internal Temp	35			ernal RH		4%		ernal Tem		85 º			ernal RH		55%		
Wall Load	719 E		Infi	iltration		BTUH		Products		409 B7		Miscellaneous					
	21	%			4	8%				12%	o l				199	%	
				WAI	LL, FL	OOR A	AND CE	ILING L	DADS								
Section		Constr	uctior	1	Thickn (in)		Factor	actor R Value		Temp (F)	Dim 1 (ft)	Dim 2 (ft)		Area (ft²)		Load BTUH)	
Rear		nane, Sta			4.00	0	0.14	28.57	85	5.0	9.67	- 1	8.50	82		144	
Right End	Ureth	nane, Sta		panels	4.00	0	0.14	28.57		5.0	7.75		8.50	46		81	
_		Do						15.00		5.0	3.00		6.50	20		65	
Front		nane, Sta			4.00	_	0.14	28.57		5.0	9.67		8.50	82			
Left End		nane, Sta			4.00	10	0.14	28.57	85	5.0	7.75		8.50	66		115	
Floor		On G	rade	On Concrete	10.0		0.31	32.32			9.67		7.75	75		183	
Ceiling	Ureth	nane, Sta			4.00		0.14	28.57		5.0	9.67		7.75	75		131	
			VOL	LUME (ft³)	637	7		TO	TAL V	VALL,	FLOOR	AND	CEILIN	IG LO	AD	719	
			INFIL	TRATION	LOAD	: ESTI	[MATE	BY VOL	.UME /	AND U	SAGE						
Box Usage	Inte	Internal Temp		Internal I	Rh	Exter	rnal Te	mp E	xterna		Ve	ntila			Load		
Heavy		(°F)		(%) 84			(°F) 85		(%))		(CFM	1)	((BTUH) 1,659		
Heavy		33		04			UCT LO	ADC	33						1,05	,	
									_	 -							
		Type				^	Veight (lb)		Temp F)	Fin	al Tem	P P	Pull Dow (hrs)	vn		ad	
Gene	ral, Mixed	Products	Annro	vimation		-	1,274		5.0		35.0	+	24		(BTUH) 409		
	ΓAL PROI						1,274		J.0			PPOD	OUCT LO	AD	409		
10	IAL PROI	JOCT W	LIGII	i (ibs)	MTC			LOADS			IOIALI	KOL	JOCT EC	,AD			
					МІЗ	CELLA	MEOUS	LUADS		1			Dun Tim		- 10	2d	
Quantity			D	escription				Po	wer	er Units		Run Time (hrs)		ie	Load (BTUH)		
				LIGHTING				_	1	W/ft²			24			256	
2				RATOR MOT	ORS				50		W		24		409		
1									то	TAL	ISCEL	LANE	OUS LO	AD	66	55	
					SYSTI	EM DE	SIGN S	UMMAR	Y								
	Safety Factor	Safe Load (BTU	ď	Run Time (Hours)	Req	acity uired UH)	Refr	igerant	Freq					Loss E)	Am	denser bient °F)	
3,452	10%	3,79		16		696	R	448A		50	10	1	0.5	5		100	
·				SY	STEM	EQUI	PMENT	SELECT	ON		1		•				
Equipment Ty	pe Qu	uantity		Model Nu					script	ion			Voltag	ge		ting (UH)	
Condensing U	nit	1		BEZA007H8	-HT3D		EZ-l	ine Scroll					208-230/	3/60		868	
Evaporator		1		BLP209MA	-S1D			Low Pro	file Ev	aporato	or		115/1/	60	8,	843	
					5	YSTE	M BALA	NCE									
Fan Loa	d (BTUH)			Suction Te	mp (°	F)		Evapor	ator T	D (°F)	I	Sy	stem Ca	pacit	y (BT	UH)	
			26.3					8.2					7,141				

155 469 PAGE OF 14

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

BEZA007H8-HT3D

		BR	9 ROY BLVD, PO BOX ANTFORD, ON NADA N3T 5Y6	EZ-LINE SCROLL CONDENSING UNITS-AIR										
	F	PURCHA				SUBMITTED BY: Laura Craig								
			ECT : McDon	ald Green	Elem				Oct 20					
		ORDE	R # : 06338.	56873.00	469-A00	IT	EM #	: 1						
			E # : Q10EU	LCB-A			ID#							
PU	RCHA	SER'S P	0 # :				GING	<u>: _ </u>						
refrigerar • Anti-sh • Adjusta on 2 fan • Copper clamps • Crankca	nt ope ort cy ible p mode tubin ase he	erating of cle time ressure els only of secure eater		 Welded hermetic Scroll compressor Adjustable low pressure control with flex hose / fixed high pressure control ECM with SmartSpeed Technology High efficiency enhanced copper tube and aluminium fin coil design Compatible with Low GWP Refrigerant: Outdoor weatherproof pre-painted ste cabinet 							h ol be ants			
1 Sma	II B (Goll N (Boll N (etter@Waest@Warn ood@Mod tter@Moc est@Mode ol Circuit E PRESSI all with fle igh/Low igh/Low: e ONTROL Evaporato Line Circuit E G UNIT I oof Screws ressure ts ttor	URE CONTROLS ex hose MAN Reset on HF - HOT GAS BYP or Breaker PRISON PACKAG	ODEL OPTIONS (* DEFROST KIT (USE W/KE2 EVAP E Up to 30A per Evap 35A to 50A per Evap Over 50A per Evap Discharge Air Hood Discharge Line Chec DISCONNECT SWITC Fused Non-Fused EC FAN MOTORS + S All Motors Variable S ELECTRONIC PRESSI Low Pressure Control High Pressure Control Export Crating EXTENDED 4-YEAR C WARRANTY Copeland Extended Leg Kit COIL COATING E-Coat FIN MATERIAL Gold Coat Fins Copper Fins Hail Guard for Condel Heated and Insulate HOUSING MATERIAL Stainless Steel Insulated Suction Light	FF) k Valve H PEED CONTROLI peed - 230V Units JRE CONTROL col COMPRESSOR	LER		Seale Repla Liquid LIQUIE *Star OIL SE With One Til Oversiz PHASE 3-Lea 6-Lea Pump I QuickV Receive SUCTIC Seale Repla TIME C Parage *230' *115' Wind G	d ceable de ceab	cock-Out F E SOLENO 230V Coil 115V C	Relay ID VALV enoid NITOR is in the control of the			
VOI	TAGI	<u> </u>	CVC	TEM REFRI	CEDANT	RATING	Τc	LICTI	ON TEM	ıp l /	AMBIENT	TEMD	CAPA	CITY
208-2			313	R448		0.7Hp	+3		5.3 °F	" 	100		7141	
	<i>.,</i> 5	FANS		1.2.3.	COMPRES			Ī			CIRCUIT			
QTY	PC	WER	FLA/FAN		TYPE QTY	RLA	LR	Α	AMPS		WATTS M			IOP‡
1		oow	1		KAE-TF5 1	4.8	37.	8	5.8			7		15
LIQUI			/8 in	SOUND	-	REC CAPACI			5 lb				APPRO	VALS
SUCTION		5	/8 in	WEIGHT	183 lb	REF CHARG	E		3 lb				¢ŲL)∪s	
NOTES:		imum C	ircuit Amnacit	v ± MOD	Maximum Overcurre	ant Drotoction							- ⊕F) 08	
					LY. Single point conr		show	differ	rent on	datar	olate.			
					R449A. Non-complia							ts		
APPROV	ED B	Y :								DA	TE:			
					equipment is accept ever subject to acce									je
											PAGE	2	OF	14

Bally

NATIONAL REFRIGERATION AND

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

BEZA007H8-HT3D

EZ-LINE SCROLL CONDENSING UNITS-AIR

CHIND/ HST STO	CONDENSE ONLY
PURCHASER:	SUBMITTED BY: Laura Craig
PROJECT : McDonald Green Elem	DATE : 11 Oct 2022
ORDER #: 06338.56873.00469-A00	ITEM # : 1
QUOTE #: Q10EULCB-A	ID # :
PURCHASER'S PO # :	TAGGING:

SELECTED OPTION DESCRIPTIONS

Liquid Line Filter + Sight Glass - Sealed

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

Option Packages - Small B (Good@Warm/Moderate)

LLFD+SG

Time Clock - 115V Paragon 8145 Style

115V Defrost timer is time initiated, temperature or pressure terminated with a timed failsafe. Timer is shipped loose in a box for field installation.

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

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.

Order Item No: 1

BEZA007H8-HT3D

EZ-LINE SCROLL CONDENSING UNITS-AIR

DATE : **11 Oct 2022** PURCHASER :

PROJECT: McDonald Green Elem

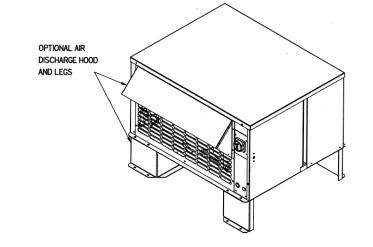
SUBMITTED BY: Laura Craig

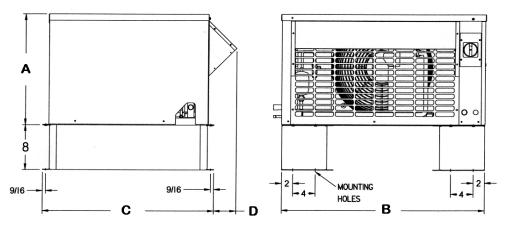
Dimensions shown are for standard unit less options.

DIMENSIONS									
DIMENSION A	19 3/8 in								
DIMENSION B	24 7/8 in								
DIMENSION C	30 3/8 in								
DIMENSION D	4 in								
DIMENSION E									
DIMENSION F									
DIMENSION G	0 in								
DIMENSION H									

CONNECTIONS									
LIQUID		3/8 in							
SUCTION		5/8 in							
DRAIN									
WATER									
DISCHARGE									
PAN LOOP									
HOT GAS SIDE PORT									
HOT GAS INLET									
HOT GAS OUTLET									
ОТНІ	ER								
SHIPPING WEIGHT		183 lb							
REFRIGERANT CHAR	GE	3 lb							
RECEIVER CAPACIT	Υ	5 lb							

APPROVALS									
c UL us									





NOTES:

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

NATIONAL REFRIGERATION AND								BLP209MA-S1D								
AIR CONDITIONING CANADA CORP. 159 ROY BLVD, PO BOX 2020 BRANTFORD, ON							' .				LOW PR					
	BRANTFORD, ON CANADA N3T 5Y6							EVAPORATOR								
	PURC							SUBMITT			aura Craig					
	CT : McDo					Ţ			1 Oct 2022	2						
ORDER # : 06338.56873.00469-A00 QUOTE # : Q10EULCB-A								1	IEM	# : 3						
PU				OLCD				TAG	GGIN							
								ATURES								
 • 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 • Front access theader compart each polyethylene fail the scratches/corrosion • Spacious piping end compartment allows for easy assembly • Attractive and polyethylene fail to the scratches/corrosion • Spacious piping end compartment allows for easy assembly • Front access the header compart estables of the scratches/corrosion • Schrader conrow Attractive and polyethylene fail to the scratches/corrosion • Front access the header compart estables of the scratches/corrosion • Attractive and polyethylene fail to the scratches/corrosion • Attractive and polyethylene fail to the scratches/corrosion • Schrader conrow Attractive and polyethylene fail to the scratches/corrosion • Schrader conrow Attractive and polyethylene fail to the scratches/corrosion • Attractive and polyethylene fail to the scratches/corrosion • Attractive and polyethylene fail to the scratches/corrosion • Schrader conrow Attractive and polyethylene fail to the scratches/corrosion • Attractive and scratches/corrosion • Commutated file to the scratches/corrosion						pan with the part of the part	th central unit drain) drain) drain) drain) drain) drain suction he le high densit districted by the le high density districted by the le high districted by the le high density districted by the le high density districted by the le high districted by the le high districted by the le high density districted by the le high districted b	I and eader Ey Loos	e)	LIQUID Sporlar Dual Vol Wired Nitroger ROOM T Mechan *Mechan *Johnson Wire Fai REMOTE *230V *115V INSTALI	ency enhanted in fin coil of the coil of t	CEC-02C C-02 CPANE	compl 407A/ VAL' 30V F Gealed	ube liant R407 VE Field		
Sm Dis	2 Temp+DelartVap+ Control of the play		ol Board an	/STEM	REFRIG		Combo			r	P-trap box	BOX TE	ЕМР	САР	ACITY	
	FAN	NS					HEATER					CIRCUIT				
QTY	POWER	-	FLA/FAN		Т	YPE	QTY	AMPS			AMPS	WATTS	MCA		MOP‡	
2	0.07HF		1		LINID	1		DEC CARAS	<u> </u>		2	120	2.3		15	
DISTRIB			8 in 8 in		UND IGHT	70 II		REC CAPAC REF CHAR			1 lb	+		APPR	OVALS	
NOTES	:		<u> </u>					ent Protection			710			շ (Ս) ս։		
	/ED BY :											DATE:			-1	
Appr								able under the stance by NA							ıge	

Bally

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

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

BLP209MA-S1D

LOW PROFILE EVAPORATOR

CANADA N31 316	EVAFORATOR
PURCHASER:	SUBMITTED BY: Laura Craig
PROJECT : McDonald Green Elem	DATE : 11 Oct 2022
ORDER #: 06338.56873.00469-A00	ITEM # : 3
QUOTE # : Q10EULCB-A	ID # :
PURCHASER'S PO # :	TAGGING:

SELECTED OPTION DESCRIPTIONS

Expansion Valve - Sporlan TXV

May be Type EBQ, S, SBF, O externally equalized thermostatic expansion valve. Valves are selected using the specified capacity and operating conditions of the refrigeration system as specified on the accompanying Certified Prints.

<u>Installation Requirements - Minimum slope of 1" per</u> <u>foot on all drain lines</u>

Bally recommends a minimum slope of 1" per foot on all drain lines.

<u>Installation Requirements - P-trap per evap required</u> outside of box

All evaporators must be trapped individually outside of the box to prevent vapor migration back to coil surface.

Liquid Line Solenoid Valve - Sporlan

Sporlan solenoid coil voltage matches evaporator voltage except when evaporator is 460V, then 230V solenoid coil is used. Exceptions must be clearly explained in the Notes of the option.

Pre-assembled Evap - Sporlan TXV, LLSV,T-stat

Option Package consists of factory installed Sporlan balance port TXV, Sporlan liquid line solenoid valve and Johnson Controls A19 Room thermostat.

Room Thermostats - Mechanical

Single stage temperature control with Single-Pole, Double-Throw (SPDT) mechanical switch. May be Johnson A19 or equal, Operating range of -30°F to +100°F. Adjustable differential of 3°F to 12°F. Factory installed and wired.

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: 3

BLP209MA-S1D

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.

SUCTION & LIQUID.

00

DATE: 11 Oct 2022

PURCHASER:

PROJECT: McDonald Green Elem

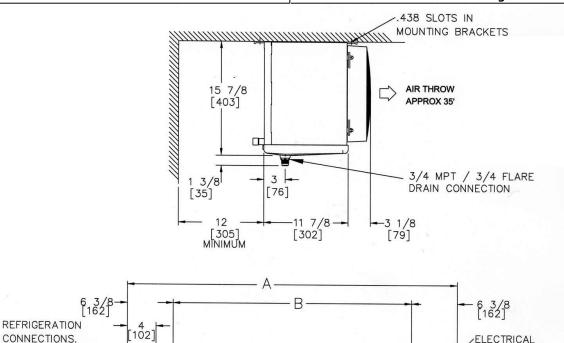
SUBMITTED BY: Laura Craig

Dimensions shown are for standard unit less options.

DIMENSIONS										
DIMENSION A	46 1/4 in									
DIMENSION B	33 1/4 in									
DIMENSION C										
DIMENSION D										
DIMENSION E										
DIMENSION F										
DIMENSION G	0 in									
DIMENSION H										

CONNEC	TT 0 N 0	
CONNEC	HONS	
DISTRIBUTOR		3/8 in
SUCTION		7/8 in
DRAIN		3/4 in
WATER		
DISCHARGE		
PAN LOOP		
HOT GAS SIDE PORT		
HOT GAS INLET		
HOT GAS OUTLET		
ОТНІ	ER	
SHIPPING WEIGHT		70 lb
REFRIGERANT CHAR	GE	1 lb
RECEIVER CAPACIT	Υ	

APPROVALS									
c UL us	NSF								



(TOP VIEW)

NOTES:

ELECTRICAL

00

CONNECTIONS.

Revised Specifications McDonald Green Elem Freezer LOAD CALCULATION





				COOLI	NG RE	QUIR	EMENTS								
Application	General W	alk-in F	reezer			L	ocation	Indo							
Internal Temp			Internal RH	95%		Exte	rnal Temp		85 °F			External RH			55%
Wall Load	1,512 BT	JH	Infiltration	1,830 E		Р	roducts	1	114 BTUH			H Miscellaneous			BTUH
	37%			45%	<u>′о</u>				3%						15%
WALL, FLOOR AND CEILING LOADS															
Section	C	onstruc	ction	Thicknes (in)	K Fa	actor	R Value	Ext Te		Dim 1 (ft)		Dim 2 (ft)		ea ²)	Load (BTUH)
Rear	Urethan	e, Stand	dard panels	4.000	0.	14	28.57	45.0	0	9.67		8.50	82	2	158
Right End	Urethan	e, Stand	dard panels	4.000	0.	14	28.57	85.0		7.75		8.50	46		154
		Door					15.00	85.0		3.00		6.50	20		123
Front			dard panels	4.000		14	28.57	85.0		9.67		8.50	82		273
Left End		_	dard panels	4.000	0.	14	28.57	85.0	0	7.75		8.50	66	5	219
Floor	Insulated Flo	or - Pan On Gra	nels On Concrete ade	10.000	0.	31	32.32			9.67		7.75	75		336
Ceiling	Urethan	e, Stand	dard panels	4.000	0.	14	28.57	85.0	0	9.67		7.75	75	5	249
			VOLUME (ft3)	637			TO.	TAL WA	ALL, I	FLOOR	RAND	CEI	LING LO	DAD	1,512
		INI	FILTRATION LO	DAD : ES	STIMA	TED B	Y DOOR	S AND	OPE	NINGS	S				
Quantity	Door o	r Open	ning Type		ight	Wid	_	rnal Temp (°F)		nal Rh %)	Open (hr		Curtair	ıs	Load (BTUH)
1		Door	-		in) 3.00	(ir 36.		35.0		5.0	0.1		None	+	1,830
-		D001					OAD EST							-6	
			1014					IMAIE	ום ט:	000	K5 A	NDC	PENING	13	1,830
				PR	ODUC	T LOA									
	-	уре			Weight Enter To			Temp	Temp Final Tem			p Pull Down			Load
						(lb) (°F)									BTUH)
Gen	eral, Mixed Pro	ducts, A	Approximation		637 0.0			.0	-10.0				4		114
TO	OTAL PRODU	CT WE	IGHT (lbs)	637					TOTAL PRODUCT LOAD						114
				MISCE	LLAN	EOUS	LOADS								
							1					Dun	Time		Load
Quantity			Description			Power				Units			_		BTUH)
			LIGHTING			1 W/ft²				W/ft²	(hrs) V/ft ² 24				256
2		ΕV	VAPORATOR MOT	ORS			6			W	\neg		2		375
-	ı							TOT	ΔΙ Μ	ITSCFI	ΙΔN		LOAD		631
				CVCTEN	I DECT	CN CI	IMMADV		AL 11	15022			LOAD		
						GN S	JMMARY			•				1	<u>. </u>
Design Load (BTUH)	Safety Factor	Safety Load (BTUH)	(Hours)	Capad Requi (BTU	red	Refri	gerant	Lin Freque (Hz	ency	Desig	gn TC 'F)	Liı	ne Loss (°F)		ndenser mbient (°F)
4,088	10%	4,497		5,99		R4	48A	60		1	.0		0.5		105
						1ENT S	SELECTI	ON							
Equipment 1	Гуре Quai	ntity	Model Nu					scriptio	n			Vo	ltage		Rating BTUH)
Condensing	Unit 1		BEZA020L8	-HT3D	-	F7-li	ne Scroll	Condens	sina U	Inits-Air	r	208-2	230/3/60	_	6,384
Evaporato		-	BLP207LE				Low Prof						230/1/60		7,189
SYSTEM BALANCE															
Fan Lo	ad (BTUH)		Suction Te				Evapora	ator TD	(°F)		S	vsten	n Capaci	tv (I	BTUH)
	,,		-19.						9 6,516					- 7	

155 469 PAGE OF 14

NATIONAL REFRIGERATION AND

BEZA020L8-HT3D

B	R CONDIT. PROY BLVD, PO BANTFORD, ON NADA N3T 5Y6				EZ-LINE S	UNITS-A	IR								
	PU	JRCHAS						SUBMITT			aura Craig				
			ECT : McDo								1 Oct 202	2			
	R # : 0633			I		# : <u>4</u>									
			E # : Q10E	ULCB-A					ID :						
PU	RCHASI	ER'S P	0#:						GIN	<u>G:</u> _					
PURCHASER'S PO # : • 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 MODEL OPTIONS							inherers s ing usible pi e valve ded hea e indicat ed with electrica actor an	ATURES Intly protected Intly p	with shut ntrol g vith ol	fli • • aı	Welded he Adjustable experience of the ECM with S High efficience aluminion Compatible Outdoor wabinet	low pressuixed high posmartSpee ency enhanum fin coil with Low	ure cont ressure d Techn iced cop design GWP R	trol wi contr ology oper tu efriger	ith rol ube rants
1 Smal Smal Smal Smal Smal Smal Smal Smal	I N (Bette I P (Best@ I P (Best@ I J (Bette I Q (Best@ I K I H RIC DEFF 02 Control C TABLE Pl soon Dual v rate High, rate	@Warm/ pr@Warm/ pr@Warm/ pr@Woder @Moder @Modera ROST KI ircuit RESSUR with flex /Low /Low: M/ prorator e rocuit Bre Screws ssure Re	rate/Cold) Ite/Cold) T E CONTROLS hose AN Reset on HP HOT GAS BYPA BEAKER LISON PACKAGE	(USE NUT OF THE PROPERTY OF TH	DNNECT S ded -Fused N MOTOR Notors Vari RONIC PI Pressure (Evap Er Evap Evap Hood Check V Temper SWITCH RS + SPE Iable Spe RESSURI Control Control EAR COM Kit Condens Sulated R Estated R	Valve ature Sensor ED CONTROLLEI ed - 230V Units E CONTROL MPRESSOR WAR		Y [LIQUID LI *Standar *Standar *Standar OIL SEPAR With Oil F One Time I Oversized PHASE / V 3-Lead 6-Lead (R Pump Down QuickVac V Receiver I Single Poil Sub Coolin SUCTION I With Hea Without F SUCTION I Replacea TIME CLOC Paragon R *230V Pa *115V Pa Wind Guar	Filter and Soler Pump Down Receiver OLTAGE MON MotorSaver455 In Toggle Swi Alves Inlet Ball Valv Int Electrical Interpretation Exchanger Heat Exchange FILTER Interpretation Interpretatio	D VALVE noid IITOR i) itch e			
VOI	LTAGE		SY	STEM RE	RIGERAN	NT		RATING		SUCT	ION TEMP	AMBIENT	TEMP	CAP	ACITY
208-2	30/3/	60		R44	8A			2Hp		-1	9.5 °F	105	°F	6516	BTUH
		FANS				CON	MPRESS	SOR				CIRCUIT	TOTAL	_	
QTY	POW	VER	FLA/FAN		TYPE		QTY	RLA	LI	RA	AMPS	WATTS	MCA	†	MOP‡
1	100	ow	1	ZF	07KAE-1	ſF5	1	8.6	5	8	9.6				20
LIQUI	.D	3,	/8 in	SOUND										APPR	OVALS
SUCTION 7/8 in WEIGHT 315 lb								REF CHARG	SE		4 lb			_	T
NOTES:					•							_		ւ (ՍՆ) սո	<i>:</i> [
MCA &	MOP a : 3.1 fo	re for or R404	the condens	sing unit C	NLY. Sing	gle poin	t conne	nt Protection ections WILL 49A. Non-co					all		
APPROV Appr			awina sianif	ies that th	ne equinn	nent is a	accenta	ble under the	e pro	vision		DATE:	ons. An	v char	nae
								ible under the itance by NAT							.gc

Bally

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

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

BEZA020L8-HT3D

EZ-LINE SCROLL CONDENSING UNITS-AIR

CHIND/ HST STO	CONDENSE ONLY
PURCHASER:	SUBMITTED BY : Laura Craig
PROJECT : McDonald Green Elem	DATE : 11 Oct 2022
ORDER #: 06338.56873.00469-A00	ITEM # : 4
QUOTE #: Q10EULCB-A	ID # :
PURCHASER'S PO # :	TAGGING:

SELECTED OPTION DESCRIPTIONS

Electric Defrost Kit - DFK-02

Electric Defrost Kit includes:

Mechanical Time Clock:

Time initiated temperature terminated with a timed failsafe.

Contactors:

Three pole definite purpose, 230V or 115V coil as defined by the control circuit voltage HtrCont1x 40A

Fuse Blocks:

1x 30A (2P) Class CC

Liquid Line Filter + Sight Glass - Sealed

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

Option Packages - Small B (Good@Warm/Moderate)

LLFD+SG

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

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.

Order Item No: 4

BEZA020L8-HT3D

EZ-LINE SCROLL CONDENSING UNITS-AIR

DATE : **11 Oct 2022** PURCHASER :

PROJECT : McDonald Green Elem

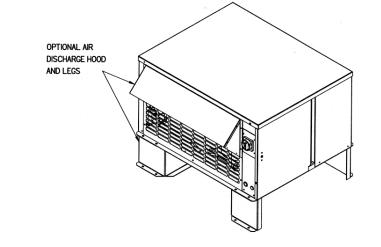
SUBMITTED BY: Laura Craig

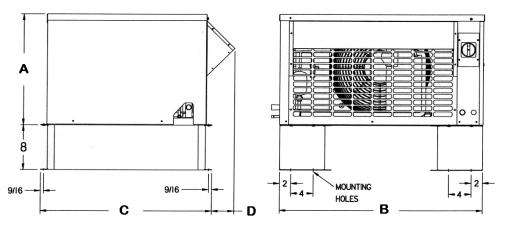
Dimensions shown are for standard unit less options.

DIMENSIONS										
DIMENSION A	19 3/8 in									
DIMENSION B	24 7/8 in									
DIMENSION C	30 3/8 in									
DIMENSION D	4 in									
DIMENSION E										
DIMENSION F										
DIMENSION G	0 in									
DIMENSION H										

CONNECTIONS								
LIQUID	3/8 in							
SUCTION	7/8 in							
DRAIN								
WATER								
DISCHARGE								
PAN LOOP								
HOT GAS SIDE PORT								
HOT GAS INLET								
HOT GAS OUTLET								
ОТН	ER							
SHIPPING WEIGHT	315 lb							
REFRIGERANT CHARG	GE 4 lb							
RECEIVER CAPACIT	Y 11 lb							

APPROVALS										
c UL us										





NOTES:

AWEF = 3.1 for R404A/R507/ AWEF = 3.08 for R407A/R448A/R449A. Non-compliant DOE NRCAN model for all other refrigerants

ZD - II	NATIONAL RE AIR CONDITION				BLP207LE-S2D									
EBOIN	159 ROY BLVD, PO BOX		NADA CORP.		LOW PROFILE									
	BRANTFORD, ON CANADA N3T 5Y6	X 2020						APOR						
PLIRCH	ASER:				SUBMITT	FD BY			AIOK					
	OJECT : McDon	ald Green	Elem		505.1111		11 Oct							
	DER # : 06338 .				I.	TEM # :								
QU	OTE # : Q10EU	LCB-A				ID # :								
PURCHASER'S	PO #:				TAC	GGING:								
Sporlan TXV, L KE2 Evap Effic KE2 Evap Effic *KE2 Evap Effic *KE3 Evap Effic *CABINET FINIS Painted White Stainless Steel SENSORS FOR Coil Temp Sen. Return Air Tem DEMAND DEFR CONTROLLER KE2 Adaptive *KE2 Adaptive KE2 Therm Evapor	charge) enoid valve wire red aluminum catcratches/corrosio I compartment al ED EVAP th EEV + Solvlv LSV,T-stat iency w/Sporlan ciency w/Sporlan ciency w/Sporlan ciency w/Sporlan ciency m/Sporlan ciency m/Sporl	dra • F he binet • S • A po MC TXV • EEV • I I I I I I I I I I I I I I I I I I I	dinged drain parain connection front access to ader compartin Schrader connective and dyethylene fan DEL OPTION ELECTRONIC SmartVap+Display EXPANSION Sporlan TXV Sporlan EEV for Sm EVAPORATO Tamper Pro Export Cratic COIL COATI E-Coat FIN MATERI Gold Coat F Copper Fins Insulated D KE2 THERM *CAT5e Shi w/connecto 40' Leads o Ethernet Ac *Remote Co *Liquid / State of the control of	an with (3/4" (2) spacio ments ection (3) durable guards IS (*: C CON C CONTO V V V V V V V V V V V V V V V V V V V	drain) bus electrical on suction he e high densit s = Shipped I TROLLER of Board and E H SON PACKA ews an Cable - 50ft sors + Transe Kit Display	and eader y Loose)	Comm • ECM • High and ali • 6 FP; • Unit with R. LICE Du Wi Nith RO 1 Wi RE IN 1 P b 1 I	utated with S efficie uminiu [Cooler 404A/F Cooler 404A/F	tage Coil Charged HERMOST ical Inical In A19ABC IN A421ABC IN Guards DEFROST Control Control ATION RI In slope of	EM) d Technoced copplesign NRCAN copplesign NRCAN copplesign NRCAN copplesign NRCAN copplesign NRCAN copplesign ENOID 120-23 and Sefats CC-02C C-02 F PANEL EQUIRE 1" per forequired copplesign are required copplesign.	omplia A/R40 VALV OV Finaled	ant 17A 7E eld rs n all e of at -		
208-230/1/60	1	R448A			1500 CFM		-19 °I		-10			BTUH		
FAN	S			EATERS		I			CIRCUIT					
QTY POWER	FLA/FAN	1	ГҮРЕ	QTY	AMPS		A	MPS	WATTS	MCA†	M	10P‡		
2 0.07HP	0.6		OST HTRS				1	2	120	1.4	_	15		
			8.2				1890	10.3		15				
DISTRIBUTOR	3/8 in		REC CAPAC				1	/	APPRO	OVALS				
SUCTION NOTES: + MCA Minimum	7/8 in Circuit Ampacit	WEIGHT ty, ‡ MOP	76 lb Maximum Ove	ercurre	REF CHARC		1 lb	<u> </u>			U) us	(ISF		
APPROVED BY :	J	- 41- 121			Ele I		· 6::		ATE:					
Approval of this made here	drawing signific on by any perso											je		

Bally

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

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

BLP207LE-S2D

LOW PROFILE EVAPORATOR

CANADA N31 516	LVAFORATOR
PURCHASER :	SUBMITTED BY: Laura Craig
PROJECT : McDonald Green Elem	DATE : 11 Oct 2022
ORDER #: 06338.56873.00469-A00	ITEM # : 5
QUOTE #: Q10EULCB-A	ID # :
PURCHASER'S PO # :	TAGGING:

SELECTED OPTION DESCRIPTIONS

Expansion Valve - Sporlan TXV

May be Type EBQ, S, SBF, O externally equalized thermostatic expansion valve. Valves are selected using the specified capacity and operating conditions of the refrigeration system as specified on the accompanying Certified Prints.

<u>Installation Requirements - Insulated drain line</u> <u>requires heat - 20W/ft</u>

Freezer condensate drain lines must be insulated and heated with a minimum of 20 watts per foot.

Installation Requirements - Minimum slope of 1" per foot on all drain lines

Bally recommends a minimum slope of 1" per foot on all drain lines.

<u>Installation Requirements - P-trap per evap required</u> <u>outside of box</u>

All evaporators must be trapped individually outside of the box to prevent vapor migration back to coil surface.

Liquid Line Solenoid Valve - Sporlan

Sporlan solenoid coil voltage matches evaporator voltage except when evaporator is 460V, then 230V solenoid coil is used. Exceptions must be clearly explained in the Notes of the option.

Pre-assembled Evap - Sporlan TXV, LLSV,T-stat

Option Package consists of factory installed Sporlan balance port TXV, Sporlan liquid line solenoid valve and Johnson Controls A19 Room thermostat.

Room Thermostats - Mechanical

Single stage temperature control with Single-Pole, Double-Throw (SPDT) mechanical switch. May be Johnson A19 or equal, Operating range of -30°F to +100°F. Adjustable differential of 3°F to 12°F. Factory installed and wired.

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.

by NATIONAL REFRIGERATION at its home office.

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

CANADA N3T 5Y6

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

Order Item No: 5

BLP207LE-S2D

LOW PROFILE EVAPORATOR

DATE : 11 Oct 2022

PURCHASER:

PROJECT : McDonald Green Elem

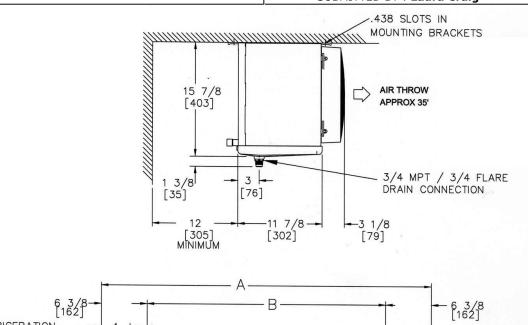
SUBMITTED BY: Laura Craig

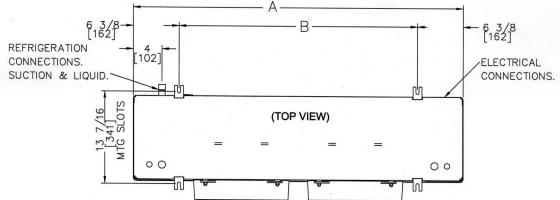
Dimensions shown are for standard unit less options.

DIMENSIONS										
DIMENSION A	46 1/4 in									
DIMENSION B	33 1/4 in									
DIMENSION C										
DIMENSION D										
DIMENSION E										
DIMENSION F										
DIMENSION G	0 in									
DIMENSION H										

CONNEC	TIONS
DISTRIBUTOR	3/8 in
SUCTION	7/8 in
DRAIN	3/4 in
WATER	
DISCHARGE	
PAN LOOP	
HOT GAS SIDE PORT	
HOT GAS INLET	
HOT GAS OUTLET	
ОТН	ER
SHIPPING WEIGHT	76 lb
REFRIGERANT CHARG	GE 1 lb
RECEIVER CAPACIT	Υ

APPROVALS										
c UL us	NSF									





NOTES:



All Bidders

Last Update:

Revisor:

To:

Bally Refrigerated Boxes, Inc. Revised Specifications Morehead City, NC 28557 (800) 242-2559

Ouote No: 2751-002-R03-LC

Item No:

Job Name: South Middle School

Date: 10/12/2022 *PVD:* 10/3/2022

From: Laura Craig

Swanson-Girard & Associates 10420 Southern Loop Blvd

Pineville, NC 28134

Phone: Fax: (704)521-8801

Indoor Structure

Attn:

NSF APPROVED

Bally Prefabricated Exterior Dimensions:

10/12/2022

Laura Craig

9'-8"(1) x 6'-9½"(w) x 7'-6"(h)

1 Compartments 1 Tiers With Floor 4" Floor

Ceiling: Single Span

Panel Thickness:

4 in. Exterior Vertical Used (6'-10") with 4 in. Floor, 4 in. Ceiling

Details and specifications for Quote No: 2751-002-R03-LC

Comments:

Base Finish

Vertical and Ceiling Panels: Embossed Galvalume (26 GA)

Special Finishes:

Interior Floor - Aluminum Treadplate .125" Thick

Doors/Openings:

Wall 2 Door 1 (1) 36" x 78" Hinged Door In a 46"

Wall 2 Door 1 (1) Super Door 36" Wide and Under, 30" High

Accessories and Extras:

(1) 48" LED KEIL 48x754-CL-N Light

- 40° F to 100° F(Range)

(1) To be installed in 4" Depression Below Finished Floor

Floor Options:

(70) S/F 1/2" Plywood Foamed in Panel

Refrigeration:

(1) BEHA-006-M8-HS2D 208-230/1/60 R448A & R404A - 6200 BTU/h

(1) BLP107-MA-S1D 115/1/60

1 Fan 7000 BTU/h

(1) Refrigeration is calculated for standard use at a box temperature of

35° F. with a condensing unit ambient of 105° F.

(1) The refrigeration is calculated for a line run of less than 50'

(1) Time Clock 8145 (shipped loose) 115/1/60

Estimated Shipping:

Weight: 2,222.42

Destination: Lancaster, SC, 29720

Version 2.8.25 Page 2 of 4



Bally Refrigerated Boxes, Inc. Revised Specifications Morehead City, NC 28557 (800) 242-2559

Quote No: 2751-002-R03-LC

Item No:

Job Name: South Middle School

Date: 10/12/2022 *PVD:* 10/3/2022

From: Laura Craig

Swanson-Girard & Associates 10420 Southern Loop Blvd

Pineville, NC 28134

Phone: Fax: (704)521-8801

Last Update: 10/12/2022
Revisor: Laura Craig
To: All Bidders

Attn:

$Deviations\ (Alternates,\ Remarks,\ Clarifications,\ Etc.):$

Bally Floor Panels are capable of supporting up to 800 lbs. Per Sq/Ft uniformly distributed stationary loading. Bally does not recommend the use rolling loads of heavy carts, pallet jacks or fork lifts on top of the floors. Warranty for floors subjected to this type of use would not be covered by Bally.

Exclusions (Items Not Supplied by Bally):

\checkmark	Shelving, Racks, Interior Accessories	\checkmark	Caulking and Sealants
	Labor on Warranties		Refrigeration Systems
\checkmark	Alarm Systems	$\overline{\checkmark}$	Refrigeration Accessories
\checkmark	Supervision	$\overline{\checkmark}$	Closure Panel and Trim
$\overline{\checkmark}$	Tubing, Wiring for Rfg. Equipment	☑	Sleeves, Penetrations, Escutcheon Plate
✓	Compressor Rack	✓	Floor Insulation and Vapor Barrier

Cancelled Orders: Cancelled unshipped standard walk-ins will be charged a 30% restocking fee plus the cost of special panels. Cancelled refrigeration systems will be charged a 30% restocking fee and the cost of any freight accrued. Buy-out items will be charged a 25% restocking fee plus any freight accrued.

Agency Ratings: Bally units comply or surpass applicable Flame Spread-25, UL, UL 723, & NSF standards in a manner conforming to ASTM E-84, and Factory Mutual standards.

Quotation Limitations: This quotation was based upon the specifications given to Bally which may possibly be incomplete. Bally is not responsible for items missing from the quotation due to incomplete or excluded items in the specifications received from the customer. The customer is responsible for reviewing the quotation for omissions or deviations from the specifications given to Bally. All portions of the quotation are subject to revision upon receipt of detailed specifications or if changes are made following the delivery of the original quotation. Quotations expire on the date indicated on Page1 of the Quote. Approval drawings must be returned within 60 days of receipt of the purchase order. The order must ship within the agreed upon time frames or current lead times, but no later than 7 months. Any deviations to this quotation (dimensions or specification changes) will require updated pricing.

Panel Construction: Bally Panels are manufactured with environmentally friendly HFC 245-FA polyurethane foam. This polyurethane foam offers the highest thermal insulation value and the most energy efficiency per cubic inch in comparison to similar foams. It has a zero Ozone Depletion Potential (ODP) and a low Global Warming Potential (GWP). It is not considered a Volatile Organic Compound (VOC) in the US. Standard 4" Bally panels meet the 2009 Federal Energy Standards.

Refrigerants: Unless otherwise specified, refrigeration systems are quoted with environmentally friendly HFO R448A refrigerant. It has a Low Global Warming Potential (GWP) and the EPA lists it as an acceptable substitute for R404A and other high GWP refrigerants.

Automatic Door Closers: Bally includes automatic door closers and spring loaded hinges on all doors 42" wide and smaller as a standard feature with no additional charge that meet the 2009 Federal Energy Standards.

Motors: Bally units are quoted with EC and PSC motors in compliance with federal energy standards, for increased energy savings.

Lighting: Bally units are quoted with lighting in compliance with federal Energy Standards for increased energy savings.

Optional Features: Bally offers additional optional energy-saving features such as Walk-In Alarm & Light Management systems that comply or surpass the 2009 Federal energy regulations.

Version 2.8.25 Page 3 of 4



All Bidders

10/12/2022

Laura Craig

Bally Refrigerated Boxes, Inc. Revised Specifications Morehead City, NC 28557 (800) 242-2559

Quote No: 2751-002-R03-LC

Item No:

Job Name: South Middle School

Date: 10/12/2022 *PVD*: 10/3/2022

From: Laura Craig

Swanson-Girard & Associates 10420 Southern Loop Blvd

Pineville, NC 28134

Phone: Fax: (704)521-8801

, Attn:

Last Update:

Revisor:

To:

This drawing is for reference purposes only and it not intended to be a formal scale model.

w3: 9'-8"

w4: 6'-9½"

w2: 6'-9½"

w1: 9'-8"

DOOR 1: Wall2 36" x 78" Hinged Door In a 46" Centered Hinge:Right Orientaion:Regular

Version 2.8.25 Page 4 of 4

Revised Specifications **South Middle School Cooler Combo LOAD CALCULATION**





					COOL	LING	REQUIF	REMENT	S							
Application General Walk-in Cooler								Location Indoor								
Internal Temp	35	°F	Int	ernal RH	8	4%	Ext	ernal Te	mp	85	°F		ternal RF		5.	5%
Wall Load	958 E		Inf	filtration		BTUH		Products		625 I		Miscellaneous			801 BTUF	
	28	%			2	9%				19	%				24%	
WALL, FLOOR AND CEILING LOADS																
Section		Constr	uctio	n	Thickness (in)		Factor	R Valu	ıe	Ext Temp (°F)	Dim :	1	Dim 2 (ft)	Area (ft²	- 1	Load (BTUH)
Rear		hane, Sta			4.00	_	0.14	28.57	_	35.0	11.70	_	8.50	99		
Right End	Uretl	hane, Sta		panels	4.00	00	0.14	28.57		85.0	9.80		8.50	64		112
		Do						15.00		85.0	3.00		6.50	20		65
Front		hane, Sta			4.00		0.14	28.57		85.0	11.70	<u> </u>	8.50	99	_	174
Left End		hane, Sta		On Concrete	4.00	0	0.14	28.57		85.0	9.80	_	8.50	83	\dashv	146
Floor		On G	rade		10.0		0.31	32.3			11.70		9.80	115		262
Ceiling	Ureti	hane, Sta			4.00		0.14	28.57		85.0	11.70		9.80	115	_	201
			vo	LUME (ft ³)	97	5		Т	OTA	AL WALL	, FLOOF	RAN	D CEILII	NG LO	AD	958
			INFI	LTRATION	LOAD	: EST	IMATE	BY VC	LUI	ME AND	USAGE					
Box Usage	Inte	rnal Ter	np	Internal I	Rh	Exte	rnal Te (°F)	mp		ernal Rh	V		ntilation		Load	
Regular	-	(°F) 35		(%) 84			85			(%) 55		(СГ	CFM) ((BTUH) 996	
Regulai		33		<u> </u>		DDAD	UCT LO	ADC		33					,	0
										l e:		T	D. II D.			
		Type				"	Veight (lb)		er id (°F)	Temp Final Te		• 1		WN		oad TUH)
Gene	ral Mixed	Products	Δnnr	oximation			1,949		45.0						625	
	TAL PRO						1,949			<u> </u>		PRO	DUCT LO	DAD		525
	TAE I NO.			(155)	мтс		ANEOUS	SLOAD	3		TOTAL		500. E			
Т					М13	CLLLA	AINLOUS	LOAD	• 				Run Tin	20		oad
Quantity			D	Description			Powe			er Units		(hrs)			(BTUH)	
				LIGHTING				1			W/ft²		24		391	
2			EVAPO	DRATOR MOTO	ORS				60 W				24			109
										TOTAL	MISCEL	LAN	EOUS LO	DAD	8	301
					SYST	EM DE	SIGN S	SUMMA	RY							
	Safety Factor	Safe Loa (BTU	ď	Run Time (Hours)	Req	acity uired (UH)	Refr	igerant	Line ant Freque (Hz)			Design TI		Loss F)	An	idenser nbient (°F)
3,380	10%	3,71		16		577	R	404A		60	10	0.1	0.	5		105
				SY	STEM	EQUI	PMENT	SELEC	ΓΙΟ	N						
Equipment Ty	ype Q	uantity		Model Nu	mber			D	esc	ription			Voltage			ating
Condensing U	nit	1		BEZA007H8	-HT3D		EZ-L	ine Scro	II, Co	ondensing	Units-Ai	ir	208-230,	/3/60		
Evaporator		1		BLP209MA	-S1D			Low Pi	ofile	e, Evapora	itor		115/1,	/60		
					9	SYSTE	M BALA	ANCE								
Fan Loa	d (BTUH)			Suction Te	mp (°	F)		Evapo	rate	or TD (°I	•)	S	ystem C		у (В	TUH)
		26.4				8.1					6,866					

155 469 PAGE OF 21

NATIONAL REFRIGERATION AND

BEZA007H8-HT3D

B	EZ-LINE SCROLL														
	CONDENSING UNITS-AIR SUBMITTED BY: Laura Craig														
		IASER : DJECT : Sout	- N4:	C = l= = =		- 66									
						- SC					1 Oct 202				
		DER # : 0633 DTE # : Q101		.0040	9-AUU			ID :	#: <u>1</u>						
DLU	RCHASER'S		EULCB-A					TAG							
PU	RCHASER 3	EAT		GIN	<u>. </u>										
• 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 • Discharge line temperature sensor • Fan Guard MODEL F • Fan motors are inherinternal overloads • Pre-formed piping • Receiver with fusible off valve • Suction Service valve • Adjustable flooded h (unless otherwise indice) • Units are shipped with charge • Weatherproof electric compressor contactor circuit								 Welded hermetic Scroll con Adjustable low pressure co flex hose / fixed high pressure ECM with SmartSpeed Tech High efficiency enhanced co and aluminium fin coil design Compatible with Low GWP Outdoor weatherproof precabinet 							th ol ube rants
1 Sma	II N Better@V II P (Best@Wa II D (Good@M II J (Better@M II J (Better@M II Q (Best@Mo II K II H Control Circu STABLE PRES Son Dual with wrate High/Low Wrate High/Low Wrate Line d Line d Line d Line cion Line cion Line city CONTRO Collet of Evapora uction Line ressor Circuit	arm/Moderate) Varm/Moderate) Varm/Moderate) oderate/Cold) oderate/Cold) viderate/Cold) viderate/	DLS		DEFROST KIT USE W/KE2 Up to 30A po 35A to 50A po Over 50A pe Discharge Ain Discharge Lin DISCONNECT Fused Non-Fused CC FAN MOTO	EVAP E er Evap per Evap per Evap r Hood ne Chec SWITC ORS + S ariable S PRESSI e Contro re Contro g -YEAR C L ns or Conde nsulate tTERIAL eel	EFF) Ck Val Ch Val Speed URE (cl Val CCOMP	D CONTROLL d - 230V Units CONTROL PRESSOR	.ER		Sealed Replacea Liquid Lin LIQUID L: *Standa *Standa *Standa *Standa OIL SEPA With Oil One Time Oversized PHASE / \ 3-Lead 6-Lead (Pump Dov QuickVac Receiver: Single Poi SUCTION With Hea Without SUCTION Sealed T Replacea TIME CLO Paragon *230V P Wind Gua	e Lock-Out INE SOLENO rd 230V Coil rd 115V Coil RATOR Filter and Sol Pump Down I Receiver /OLTAGE MC MotorSaver4! wn Toggle So Valves Inlet Ball Va int Electrical ACCUMULAT at Exchanger Heat Exchanger Heat Exchanger FILTER Type sible Core CK 8145 Style aragon 8145 aragon 8145	Relay DID VALV lenoid DNITOR 55) witch live I FOR ger Style Style Style	VΕ	5
VOI	_TAGE	Тс	SYSTEM RE	FRIGE	RANT	1		RATING	-	SUCT	ION TEMP	AMBIENT	TEMP	T CAP	ACITY
	30/3/60	†		04A				0.7Hp	\dashv		6.4 °F	105			BTUH
	FANS	5			CO	MPRES	SSOF					CIRCUIT			
QTY	POWER	FLA/FAI	N	TY		QTY	_	RLA	L	RA AMPS		WATTS	MCA		MOP‡
1	100W	1			AE-TF5	1	\top	4.8		7.8	5.8		7	-	15
LIQUI	D	3/8 in	SOUNI		_		T RE	EC CAPACIT			5 lb	1		APPR	OVALS
SUCTION		5/8 in	WEIGH		183 II	b		REF CHARGE			3 lb				
NOTES:									1					լ (Մ) սո	.
† MCA. MCA &	. Minimum MOP are fo	Circuit Ampa or the conder 104A/R507/R	nsing unit (ONLY.	Single poir	nt conr	necti	ions WILL s					ıts		
APPROV												DATE:			
		drawing sign													ige

Bally

NATIONAL REFRIGERATION AND

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

BEZA007H8-HT3D

EZ-LINE SCROLL CONDENSING UNITS-AIR

CANADA NOT OTO		CONDENSING UNITS AIR
PURCHASER:	SUBMITTED BY:	Laura Craig
PROJECT : South Middle School Lancaster SC	DATE:	11 Oct 2022
ORDER #: 06338.58290.00469-A00	ITEM #:	1
QUOTE # : Q10EULCB-A	ID #:	
PURCHASER'S PO #:	TAGGING:	

SELECTED OPTION DESCRIPTIONS

Liquid Line Filter + Sight Glass - Sealed

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

Option Packages - Small B (Good@Warm/Moderate)

LLFD+SG

Time Clock - 115V Paragon 8145 Style

115V Defrost timer is time initiated, temperature or pressure terminated with a timed failsafe. Timer is shipped loose in a box for field installation.



NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

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

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Order Item No: 1

BEZA007H8-HT3D

EZ-LINE SCROLL CONDENSING UNITS-AIR

DATE : **11 Oct 2022** PURCHASER :

PROJECT : South Middle School Lancaster SC

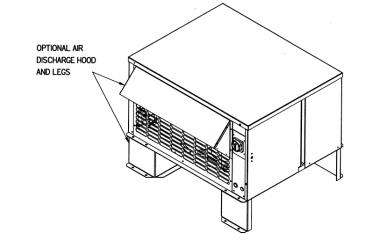
SUBMITTED BY: Laura Craig

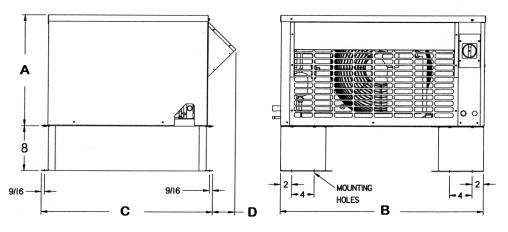
Dimensions shown are for standard unit less options.

•									
DIMENSIONS									
DIMENSION A	19 3/8 in								
DIMENSION B	24 7/8 in								
DIMENSION C	30 3/8 in								
DIMENSION D	4 in								
DIMENSION E									
DIMENSION F									
DIMENSION G	0 in								
DIMENSION H									

CONNECTIONS									
LIQUID		3/8 in							
SUCTION		5/8 in							
DRAIN									
WATER									
DISCHARGE									
PAN LOOP									
HOT GAS SIDE PORT									
HOT GAS INLET									
HOT GAS OUTLET									
ОТНІ	ER								
SHIPPING WEIGHT		183 lb							
REFRIGERANT CHAR	GE	3 lb							
RECEIVER CAPACIT	Υ	5 lb							

APPROVALS										
c UL us										





NOTES:

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

		ATIONAL RE		-	BLP209MA-S1D												
f Boll				NADA CORP.	LOW PROFILE												
	BRA	ROY BLVD, PO BO NTFORD, ON IADA N3T 5Y6	X 2020		LOW PROFILE EVAPORATOR												
PI	URCHAS			-	SUBMITT	ED BY :	Laura Cra										
			Middle Sch	ool Lancaster SC			11 Oct 20										
		R # : 06338		469-A00	I T	TEM # :											
		E # : Q10EU	LCB-A			ID #:											
PURCHAS	SER'S PO) # :		MODEL FE		GGING :											
1 Sporlan TX KE2 Evap *KE2 Evap *KE2 Evap Aux Sidepo CABINET F Painted W Stainless S SENSORS I Coil Temp Return Air DEMAND D CONTROLL KE2 Thern *KE2 Ther Dual Circui ELECTRON KE2 Temp	texture ction re sion ng end of assembly with lext. Wit	harge) noid valve wi d aluminum sists compartment oly EVAP EEV + Solvlv V,T-stat cy w/Sporlan ncy w/Sporlan nector C BOARDS Sensor T ELECTROI orator Efficien borator Efficien torator Efficien	re he	Hinged drain pan with ain connection (3/4" Front access to spacic ader compartments Schrader connection (Attractive and durable olyethylene fan guard: Ultra efficient Electronomutated Motor (ECODEL OPTIONS (*EXPANSION VALV.) Sporlan TXV Sporlan EEV EEV for SmartVap Evaporator Discore EVAPORATOR PRITAMPER PROFESCORE FIN MATERIAL Gold Coat Fins Copper Fins Insulated Drain PKE2 THERM *CAT5e Shielded (Wyconnectors 40' Leads on Sense Ethernet Adapter *Remote Combo I *Liquid / Suction *Liquid / Suction*	n central university drain) bus electrical on suction here high density solically (EM) = Shipped I TE THE THE THE TENSITY OF THE TENSITY O	and eader y Loose) h AGE	• High eff and alumi • 6 FPI • AWEF = • Unit Coowith R404A/R5 C LIQUI Sport Dual V Wired Nitroo ROOM Mect *Mect *Joh John Wire REMO *230 *115 INSTA I Mining drain	oler is AWEF/I 07/R448A/R4 ID LINE SOL lan Voltage Coil	ENOID V 120-230 I and Sea CATS C-02C C-02 I PANEL EQUIREN 1" per for	mplia 7A/R VALV V Fidelied	ant 407 E eld						
115/1/60)		R404		1500 CFM		26.9 °F	35 °	-	866	BTUH						
-	FANS	- 1.2		HEATERS				CIRCUIT									
_	WER 7HP	FLA/FAN 1		TYPE QTY	AMPS		AMPS	120	MCA†	_	10P‡ 15						
DISTRIBUTOR		/8 in	SOUND		REC CAPACI	TY T		1 120			DVALS						
SUCTION		'8 in	WEIGHT	70 lb	REF CHARG		1 lb			_							
NOTES: † MCA Minir	mum Ci	rcuit Ampacit	zy, ‡ MOP	Maximum Overcurre	nt Protection				ε(ŲL) us	NSF						
APPROVED BY								DATE :									
				equipment is accepta							је						
made	nereon	by any perso	m whomso	ever subject to accept	tance by NAI	TONAL	KEFKIGEKA	PAGE		OF	21						

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

159 ROY BLVD, PO BOX 2020 BRANTFORD, ON

BLP209MA-S1D

LOW PROFILE EVAPORATOR

CANADA N31 516		EVAPORATOR
PURCHASER :	SUBMITTED BY:	Laura Craig
PROJECT : South Middle School Lancaster SC	DATE :	11 Oct 2022
ORDER #: 06338.58290.00469-A00	ITEM #:	3
QUOTE # : Q10EULCB-A	ID # :	
PURCHASER'S PO # :	TAGGING:	

SELECTED OPTION DESCRIPTIONS

Expansion Valve - Sporlan TXV

May be Type EBQ, S, SBF, O externally equalized thermostatic expansion valve. Valves are selected using the specified capacity and operating conditions of the refrigeration system as specified on the accompanying Certified Prints.

<u>Installation Requirements - Minimum slope of 1" per</u> <u>foot on all drain lines</u>

Bally recommends a minimum slope of 1" per foot on all drain lines.

<u>Installation Requirements - P-trap per evap required</u> outside of box

All evaporators must be trapped individually outside of the box to prevent vapor migration back to coil surface.

Liquid Line Solenoid Valve - Sporlan

Sporlan solenoid coil voltage matches evaporator voltage except when evaporator is 460V, then 230V solenoid coil is used. Exceptions must be clearly explained in the Notes of the option.

Pre-assembled Evap - Sporlan TXV, LLSV,T-stat

Option Package consists of factory installed Sporlan balance port TXV, Sporlan liquid line solenoid valve and Johnson Controls A19 Room thermostat.

Room Thermostats - Mechanical

Single stage temperature control with Single-Pole, Double-Throw (SPDT) mechanical switch. May be Johnson A19 or equal, Operating range of -30°F to +100°F. Adjustable differential of 3°F to 12°F. Factory installed and wired.



NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

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by NATIONAL REFRIGERATION at its home office.

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

Order Item No: 3 BLP209MA-S1D

LOW PROFILE EVAPORATOR

DATE: 11 Oct 2022

PURCHASER:

PROJECT: South Middle School Lancaster SC

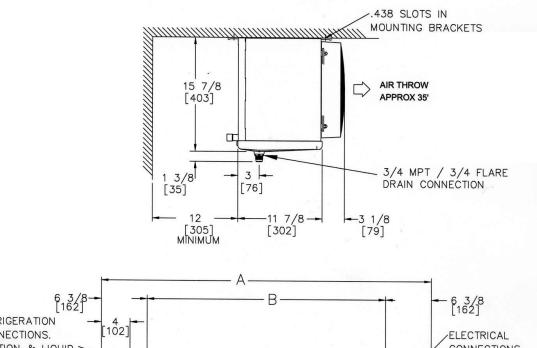
SUBMITTED BY: Laura Craig

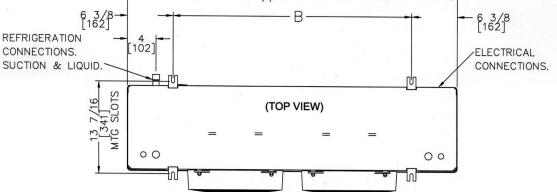
Dimensions shown are for standard unit less options.

- I									
DIMENSIONS									
DIMENSION A	46 1/4 in								
DIMENSION B	33 1/4 in								
DIMENSION C									
DIMENSION D									
DIMENSION E									
DIMENSION F									
DIMENSION G	0 in								
DIMENSION H									

CONNECTIONS								
DISTRIBUTOR	3/8 in							
SUCTION	7/8 in							
DRAIN	3/4 in							
WATER								
DISCHARGE								
PAN LOOP								
HOT GAS SIDE PORT								
HOT GAS INLET								
HOT GAS OUTLET								
ОТНІ	ER							
SHIPPING WEIGHT	Γ 70 lb							
REFRIGERANT CHAR	GE 1 lb							
RECEIVER CAPACIT	Υ							

APPROVALS										
c UL us	NSF									





Revised Specifications Freezer LOAD CALCULATION





COOLING REQUIREMENTS																
Application	ocation	n	Indoor													
Internal Temp		-10 °F	Internal RH	95% E			External Temp			85 ºF		Exte	ernal RH		5	5%
Wall Load	1,	,963 BTUH	Infiltration	2,063 BTUH Products						Miscellaneous				BTUH		
		40%			2%					4%					1	5%
WALL, FLOOR AND CEILING LOADS																
Section		Constr	uction	Thickr (in		Factor	R Val	lue	Ext Ter (°F)	np	Dim 1 (ft)		im 2 (ft)	Are (ft²		Load (BTUH)
Rear		Urethane, Sta		4.00	00	0.14	28.5	57	35.0		11.70	8	3.50	99		157
Right End		Urethane, Sta		4.00	00	0.14	28.5		85.0		9.80		3.50	64		212
		Do					15.0		85.0		3.00		5.50	20		123
Front		Urethane, Sta		4.00		0.14	28.5		85.0		11.70		3.50	99		331
Left End		Urethane, Sta		4.00	00	0.14	28.5	57	85.0	_	9.80	8	3.50	83		277
Floor		On G		10.0		0.31	32.3				11.70		0.80	115		482
Ceiling		Urethane, Sta	ndard panels	4.00	00	0.14	28.5	57	85.0		11.70	9	9.80	115		381
			VOLUME (ft³)	97	5			TOT	AL WA	LL, F	LOOR A	AND	CEILI	NG LO	AD	1,963
			INFILTRATION	LOAD				OLU	ME AN	D US						
Box Usage		Internal Tei (°F)	np Internal (%)	Rh		nal Ter (°F)	np	Ext	ernal Rh (%)			Ventilation (CFM)			Load (BTUH)	
Regular		-10	95			85			55						2,063	
				[PRODU	JCT LO	ADS									
		Туре				/eight	Ent		- 1		l Temp	P	ull Dov	vn		oad
Cono	ral M		, Approximation				(°F)					(hrs) 24			(BTUH) 175	
			EIGHT (lbs)			975								RODUCT LOAD		
10	175	RODOCI W	LIGHT (IDS)	MTS		NEOUS	LOAD)S			JIALII	NO D	001 20		_	L75
					CLLLA	112005	T					T	Run Tin	16		oad
Quantity			Description				Power Units					(hrs)			(BTUH)	
			LIGHTING					1		V	V/ft²		24			391
2			EVAPORATOR MOT	ORS				60			W		22			375
									TOTA	AL M	ISCELL	ANE	ous Lo	DAD	7	767
				SYST	EM DE	SIGN S	UMMA	ARY								
Design Load (BTUH)	Safe Fact	or Loa (BTU	d (Hours)	Req (B1	acity uired (UH)		Refrigerant		Line Frequen (Hz)		(°F)			F)	Ar	ndenser nbient (°F)
4,967	10%	6 5,46			285		148A		60		10		0.	5		105
			SY	STEM	EQUII	PMENT	SELEC	CTIO	N							
Equipment T	уре	Quantity	Model Nu	ımber					cription				Volta	ge		ating STUH)
Condensing U		1	BEZA025L8			EZ-Li			Condensi			_	208-230/			
Evaporator		1	BLP209LE	-S2D			Low F	Profile	e, Evapo	orato			208-230/	/1/60		
						M BALA										
Fan Loa	id (B1	гин)	Suction Te		F)		Evap		or TD ((°F)		Sy	stem C		у (В	TUH)
		-19	.4		8.9 8,441											

155 469 PAGE OF 21

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

BEZA025L8-HT3D

EZ-LINE SCROLL CONDENSING UNITS-AIR

	PURCHASER : SUBMITTED BY : Laura Craig																		
PROJECT : South Middle School Lancaster SC DATE : 11 Oct 2022																			
ORDER # : 06338.58290.00469-A00																			
		OUOT	E # : Q10E	ULCB-A					ID	#:									
PU	RCHAS	ER'S P						TAG		NG:									
						МО	DFL FF	ATURES											
refrigera Anti-sh Adjusta on 2 fan Copper clamps Cranko	nt oper ort cyc able pro models tubing ase hear rge line	rating c cle time essure t s only g secure ater		control	with Pr Re shu Slu Ac conf	in motors an internal over-formed peceiver with toff valve uction Servidjustable flotrol (unlessnits are ship	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												
					MOI	DEL OBTIC	NC / *	- Chinnod	100	<u></u>									
OPTION PACKAGES 1								- E	I Sea Rep Rep Liqui LIQU *St Coll S With Cone Coll S Coll	aled blaceabled blacea	Lock-C NE SOLI 1 230 V (1 1 115 V (ATOR) ilter and Pump D Receive OLTAGE lotorSav n Toggi /alves nlet Bal at Electi g Circui CCCUML Exchan leat Excl EXCAN pe ble Core K 145 Sty ragon 8: ragon 8:	Dut R Du	elay D VAL' noid NITOR 5) vitch ve DR er ttyle		SS				
				CTEM DE	-5.5.0			DATING				-145 T	****			Lat	DA GITTI		
	LTAGE		SY	STEM REF		EKANI		RATING			TION TE		AMBI				PACITY		
208-2	30/3/			R44	δA		NADD = 5	2.5Hp			<u> 19.4 °F</u>			05 º			1 BTUH		
		FANS					OMPRES:								TOTAI				
QTY		WER	FLA/FAN			TYPE QTY RLA			LRA	AMPS		WATTS		MCA	-	MOP‡			
1	24	0W	1.1	ZF	08K	4E-TF5	1	9.6	\perp	63	10.	7			13.	1	20		
LIQU:	[D	3/	/8 in	SOUND)	-		REC CAPAC	ITY		14 lb					APP	ROVALS		
SUCTI												6 lb							
MCA &	Minir MOP a	are for	the condens	ing unit C	NLY.	. Single poi	nt conne	nt Protection ections WILL nt DOE NRCA	sho						S	·W	us		
APPROV	ED BY	' :										D	ATE :						
Appr								ble under that tance by NA									inge		

Bally

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

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

BEZA025L8-HT3D

EZ-LINE SCROLL CONDENSING UNITS-AIR

G. 11. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	0011021100111001110
PURCHASER:	SUBMITTED BY : Laura Craig
PROJECT : South Middle School Lancaster SC	DATE : 11 Oct 2022
ORDER #: 06338.58290.00469-A00	ITEM # : 4
QUOTE # : Q10EULCB-A	ID #:
PURCHASER'S PO # :	TAGGING:

SELECTED OPTION DESCRIPTIONS

Electric Defrost Kit - DFK-02

Electric Defrost Kit includes:

Mechanical Time Clock:

Time initiated temperature terminated with a timed failsafe.

Contactors:

Three pole definite purpose, 230V or 115V coil as defined by the control circuit voltage HtrCont1x 40A

Fuse Blocks:

1x 30A (2P) Class CC

Liquid Line Filter + Sight Glass - Sealed

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

Option Packages - Small B (Good@Warm/Moderate)

LLFD+SG



NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

by NATIONAL REFRIGERATION at its home office.

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

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Order Item No: 4

BEZA025L8-HT3D

EZ-LINE SCROLL CONDENSING UNITS-AIR

DATE : **11 Oct 2022** PURCHASER :

PROJECT : South Middle School Lancaster SC

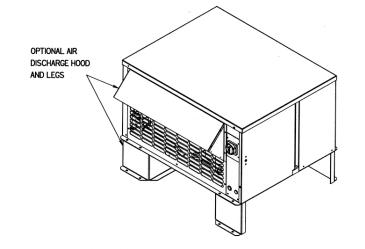
SUBMITTED BY: Laura Craig

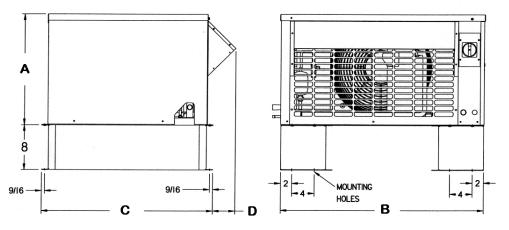
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DIMENSIONS									
DIMENSION A	19 7/8 in								
DIMENSION B	36 3/8 in								
DIMENSION C	30 3/8 in								
DIMENSION D	4 in								
DIMENSION E									
DIMENSION F									
DIMENSION G	0 in								
DIMENSION H									

CONNEC	TIONS	
LIQUID		3/8 in
SUCTION		7/8 in
DRAIN		
WATER		
DISCHARGE		
PAN LOOP		
HOT GAS SIDE PORT		
HOT GAS INLET		
HOT GAS OUTLET		
OTH	ĒR	
SHIPPING WEIGHT	-	335 lb
REFRIGERANT CHAR	GE	6 lb
RECEIVER CAPACIT	Υ	14 lb

APPROVALS									
c UL us									





NOTES:

AWEF = 3.15 for R404A/R507/407A/R448A/R449A. Non-compliant DOE NRCAN model for all other refrigerants

PURCHASER:	NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.								BLP209LE-S2D										
PRCHASER: Submitted by Lauracraig PROJECT: South Middle School Lancaster SC PRCHASER: 97 #: DOENLES- PURCHASER: 90 #: DOENLES- PURCHASERS PO #: DOENLES- PURCHASERS PO #: MODEL FEATURES **J8" Tubing coil construction (reduces errigerant operating charge) **J8" Tubing coil construction (reduces errigerant default on the error operation on suction header error operation operation on suction header error operation of the error operation of the error operation o	159 ROY BLVD, PO BOX 2020																		
PRODER #: 010FULCB-A ORDER #: 010FULCB-A OUTH #: 5 O	CANADA N3T 5Y6																		
ORDER #: 06338.58290.00469-A00									SUBMITT										
PURCHASER'S PO # : PURCHASER'S PO # : PURCHASER'S PO # : */8" Tubing coil construction (reduces refrigerant operating charge) */8" Tubing coil construction (reduces refrigerant pan with central universal drain connection (3/4" drain) */8" Tubing coil construction (reduces refrigerant pan with central universal drain connection (3/4" drain) */8" Tubing coil construction (reduces refrigerant pan with central universal drain connection (3/4" drain) */8" Tubing coil construction (reduces refrigerant pan with central universal drain connection (3/4" drain) */8" Tubing coil connection (3/4" drain) */8" Tubing connection (3/4" drain) */8" Tubing connection (3/4" drain) */8" Cassembly control */8" Reads efficiency wisportan EVE Carbon Connection on suction header compartments */8" Tubing connection on suction header compartments */8" Tubing connection (3/4" drain) */8" Sporian Tubing connection (3/4" drain) */8" Sporian Tubing connection (3/4" drain) */8" Sporian Tubing connection on suction header compartments */8" Tubing connection (3/4" drain) */8" Sporian Tubing connection (3/4" drain (3/4" drain) */8" Sporian Tubing connection (3/4" dra													22						
PURCHASER'S PO # : */8" Tubing coll construction (reduces refrigerant operating charge) */8" Tubing days (reduced charg									I										
* 3/8" Tubing coil construction (reduces refrigerant operating charge) * Age Tubing coil construction (reduces refrigerant operating charge) * Factory installed solenoid valve wire harness * Heavy gauge textured aluminum cabinet construction resists scratches/corrosion - \$ Front access to spacious electrical and header compartments * Spacious piping end compartment allows for easy assembly * PRE-ASSEMBLED EVAP * SmartVap+ with EEV + Solviv * Sporlan TXV, LLSV,T-stat * KE 2 Evap Efficiency w/Sporlan TXV * KE 2 Evap Efficiency w/Sporlan TEV * Aux Sideport Connector * CABINET FINISH * Painted White * Stainless Steel * Sensor Return Air Temp Sensor * DEMAND DEFROST ELECTRONIC * CONTROLLER * KE 2 Adaptive Control * KE 2 Adaptive Control * KE 2 Adaptive Control * KE 2 Therm Evaporator Efficiency * Dual Circuit * VOLTAGE * SYSTEM REFRIGERANT * FANS * HEATENS * HEATENS * HEATENS * HEATENS * HEATENS * HEATENS * Liquid / Suction Heat Exchanger * Alike Finish * Liquid / Suction Heat Exchanger * Johnson A121ABC-02C * Johnson A211ABC-02C * Johnson A	DI				LCB-A				ΤΛ.										
* J/8" Tubing coil construction (reduces refrigerant operating charge) * Factory installed solenoid valve wire harms * Heavy gauge textured aluminum cabinet construction resists acracthacy/corrosion * Spachous piping end compartment allows or easy assemble. * Carrosion resists acracthacy/corrosion * Spachous piping end compartment allows or easy assemble. * Carrosion resists acracthacy/corrosion resists acracthacy/corrosion resists acracthacy/corrosion resists acracthacy/corrosion responses to the compartment allows or reasy assemble. * Carrosion resists acracthacy/corrosion resists acract	PU	JRCHASER	5 PC	, # :			MOI	DEL EE		BUIDE	<u>. </u>								
KEZ Evap Efficiency W/Sporlan TXV KEZ Evap Efficiency W/Sporlan EV 1 Sporlan TXV Sporlan EV Sporlan TXV Spo	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 drain connection (3/4 • Front access to span header compartment: • Schrader connection • Attractive and dural polyethylene fan gual						n (3/4" to spaci tments nection I durabl n guard	drain) fous electrical on suction he le high densit ds = Shipped I	l and eader y	a • w	commutat ECM with High effic nd alumin 6 FPI Unit Coo vith R404/ LIQUI Sporl	ed Motor (EG n SmartSpee ciency enhar nium fin coil ler is AWEF/I A/R507/R448 D LINE SOL an	CM) d Techn nced cop design NRCAN 0 BA/R449	compli 0A/R40 VALV	iant 07A /E				
R448A	KE: KE: KE: KKI: KKI: Aux CAB: Pai Sta SEN: Coi Ret DEM CON KE:	2 Evap Effic 2 Evap Effic E2 Evap Effic E2 Evap Effic Sideport (INET FINI Inted White Sinless Stee SORS FOR II Temp Seriturn Air Ter LAND DEFFITROLLER 2 Adaptive E2 Adaptive E2 Therm Ever	cience cience ficier ficier Coni (SH el CPC nsor mp S ROS	cy w/Sporlan cy w/Sporlan ncy w/Sporla ncy w/Sporla ncy w/Sporla nector C BOARDS Sensor T ELECTRON trol ntrol rator Efficien	n EEV In TXV In EEV NIC		EXPANSIO Sporlan TO Sporlan EEV for Sr EVAPORAT Tamper Pr Export Crat COIL COAT E-Coat FIN MATER Gold Coat Copper Fir Insulated I KE2 THERN *CAT5e Sh w/connect 40' Leads Ethernet A *Remote (XV EV martVap TOR PR TOOF SCr ting TING RIAL Fins Drain F I nielded cors on Sen Adapter Combo	p+ ISON PACKA rews Pan Cable - 50ft sors + Trans Kit Display	ducers		Wired Nitrog ROOM Mech *Mech *John John Wire F REMO *230 *115 INSTA Minin drain P-tra box Insul	en Charged THERMOST anical hanical hason A19ABG hason A421ABG an Guards TE DEFROST V Control V Control V Control LLATION R hum slope of lines p per evap re	and Society of the control of the co	L EMEN foot or	TS n all le of			
R448A	VO	N TAGE	_	SVS	TEM DEF	DIC.	:FD \ NIT		ATD FLOW		E\//	D TEMD	I BOY T	EMD	CAD/	NCITY			
FANS							$\overline{}$												
QTY POWER FLA/FAN TYPE QTY AMPS AMPS WATTS MCA† MO 2 0.07HP 0.6 1.2 120 1.4 15 DISTRIBUTOR 3/8 in SOUND - REC CAPACITY APPROVE SUCTION 7/8 in WEIGHT 80 lb REF CHARGE 2 lb 2 lb NOTES: + MCA Minimum Circuit Ampacity, ‡ MOP Maximum Overcurrent Protection Protection Total Control of the protection							HEATER					_							
DEFROST HTRS 8.2 1890 10.3 19 DISTRIBUTOR 3/8 in SOUND - REC CAPACITY APPROVE SUCTION 7/8 in WEIGHT 80 lb REF CHARGE 2 lb NOTES: † MCA Minimum Circuit Ampacity, ‡ MOP Maximum Overcurrent Protection	QTY	POWER	≀	FLA/FAN		T	YPE	QTY	AMPS			AMPS	WATTS	MCA ⁻	† 1	MOP‡			
DISTRIBUTOR 3/8 in SOUND - REC CAPACITY APPROVE SUCTION 7/8 in WEIGHT 80 lb REF CHARGE 2 lb NOTES: † MCA Minimum Circuit Ampacity, ‡ MOP Maximum Overcurrent Protection	2	0.07H	•	0.6								1.2	120	1.4		15			
SUCTION 7/8 in WEIGHT 80 lb REF CHARGE 2 lb NOTES: † MCA Minimum Circuit Ampacity, ‡ MOP Maximum Overcurrent Protection											1890			15					
NOTES: † MCA Minimum Circuit Ampacity, ‡ MOP Maximum Overcurrent Protection													APPR(<u>DVALS</u>					
† MCA Minimum Circuit Ampacity, ‡ MOP Maximum Overcurrent Protection			7/	8 in	WEIGH	Γ	80 lb)	REF CHARG	GE		2 lb			(II)	NSF			
APPROVED BY: DATE:			n Cir	cuit Ampacit	ty, ‡ MOI	P N	1aximum Ov	ercurre	ent Protectior	1					*****				
Approval of this drawing signifies that the equipment is acceptable under the provision of the job specifications. Any change			s dra	awina sianifie	es that th	ne e	nuinment is	accenta	able under th	e provis	sion	of the io		ons An	/ chan	de de			

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

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

BLP209LE-S2D

LOW PROFILE EVAPORATOR

CANADA N31 516	LVAFORATOR	
PURCHASER:	SUBMITTED BY: Laura Craig	
PROJECT : South Middle School Lancaster SC	DATE: 11 Oct 2022	
ORDER #: 06338.58290.00469-A00	ITEM # : 5	
QUOTE #: Q10EULCB-A	ID # :	
PURCHASER'S PO # :	TAGGING :	

SELECTED OPTION DESCRIPTIONS

Expansion Valve - Sporlan TXV

May be Type EBQ, S, SBF, O externally equalized thermostatic expansion valve. Valves are selected using the specified capacity and operating conditions of the refrigeration system as specified on the accompanying Certified Prints.

<u>Installation Requirements - Insulated drain line</u> <u>requires heat - 20W/ft</u>

Freezer condensate drain lines must be insulated and heated with a minimum of 20 watts per foot.

Installation Requirements - Minimum slope of 1" per foot on all drain lines

Bally recommends a minimum slope of 1" per foot on all drain lines.

<u>Installation Requirements - P-trap per evap required</u> <u>outside of box</u>

All evaporators must be trapped individually outside of the box to prevent vapor migration back to coil surface.

Liquid Line Solenoid Valve - Sporlan

Sporlan solenoid coil voltage matches evaporator voltage except when evaporator is 460V, then 230V solenoid coil is used. Exceptions must be clearly explained in the Notes of the option.

Pre-assembled Evap - Sporlan TXV, LLSV,T-stat

Option Package consists of factory installed Sporlan balance port TXV, Sporlan liquid line solenoid valve and Johnson Controls A19 Room thermostat.

Room Thermostats - Mechanical

Single stage temperature control with Single-Pole, Double-Throw (SPDT) mechanical switch. May be Johnson A19 or equal, Operating range of -30°F to +100°F. Adjustable differential of 3°F to 12°F. Factory installed and wired.



NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

159 ROY BLVD, PO BOX 2020 BRANTFORD, ON CANADA N3T 5Y6 Order Item No: 5

BLP209LE-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 : **11 Oct 2022**

PURCHASER:

PROJECT : South Middle School Lancaster SC

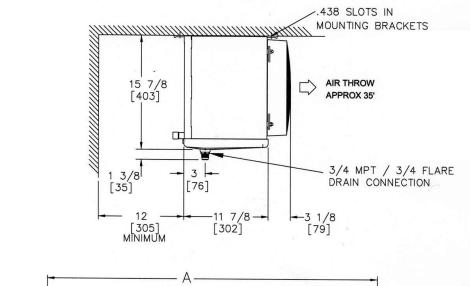
SUBMITTED BY: Laura Craig

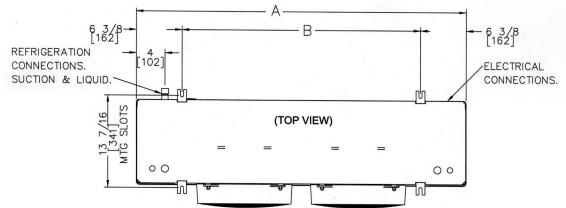
Dimensions shown are for standard unit less options.

DIMENSIONS									
DIMENSION A	46 1/4 in								
DIMENSION B	33 1/4 in								
DIMENSION C									
DIMENSION D									
DIMENSION E									
DIMENSION F									
DIMENSION G	0 in								
DIMENSION H									

CONNEC	TIONS
DISTRIBUTOR	3/8 in
SUCTION	7/8 in
DRAIN	3/4 in
WATER	
DISCHARGE	
PAN LOOP	
HOT GAS SIDE PORT	
HOT GAS INLET	
HOT GAS OUTLET	
ОТН	ER
SHIPPING WEIGHT	Г 80 lb
REFRIGERANT CHARG	GE 2 lb
RECEIVER CAPACIT	Υ

APPROVALS									
c UL us	NSF								





Revised Specifications Single Cooler LOAD CALCULATION





				COO	LING RE	QUIR	EMENTS								
Application	General	Walk-in	Cooler			L	ocation	Indo	or						
Internal Temp	35	°F	Internal RH	84%			rnal Tem		85 ºF		Exte	rnal RH		55%	
Wall Load	750 E		Infiltration		1 BTUH	P	roducts	32	22 BTUI	JH Mis		liscellaneous 433 BTU		133 BTUH	
	25	%		5	0%				11%					14%	
			WA	LL, FL	OOR AN	D CEI	LING LO	ADS							
Section		Constru	ction	Thicki (in		actor	R Value	(-1))	oim 1 (ft)	l .	m 2 ft)	Area (ft²)	Load (BTUH)	
Rear			dard panels	4.00	0 0	.14	28.57	85.0		9.70	7.	.50	73	127	
Right End	Uretl		idard panels	4.00	0 0	.14	28.57	85.0		6.90		.50	32	56	
		Doo					15.00	85.0		3.00		.50	20	65	
Front			ndard panels	4.00		.14	28.57	85.0		9.70		.50	73	127	
Left End			ndard panels	4.00	00 0	.14	28.57	85.0)	6.90	7.	.50	52	91	
Floor		On Gra		10.0		.31	32.32			9.70		.90	67	166	
Ceiling	Uretl	hane, Stan	dard panels	4.00	00 0	.14	28.57	85.0		9.70		.90	67	117	
			VOLUME (ft ³)	50	2		TO.	TAL WA	LL, FL	OOR A	ND (CEILIN	G LOA	AD 750	
		I	NFILTRATION	LOAD	: ESTIM	IATED	BY VOL	UME AN	ID US	AGE					
Box Usage	Inte	rnal Tem (°F)	p Internal (%)	Rh	Extern (al Ten PF)	np Ex	ternal (%)	Rh	_	tilati CFM)	-	Load (BTUH)		
Heavy		35	84			35		55						1,491	
					PRODU	CT LO	ADS								
		Туре			We	ight	Enter	Temp	Final	Temp	Pι	ıll Dow	'n	Load	
		туре				lb)		(°F)		(°F)		(hrs)		(BTUH)	
Gene	ral, Mixed	Products,	Approximation		1,	1,004		5.0						322	
TO	TAL PRO	DUCT WE	IGHT (lbs)		1,	004			то	TAL P	RODU	JCT LO	AD	322	
				MIS	CELLAN	EOUS	LOADS								
Quantity			Description				Pos	Power Units Run Time					Load		
Quarterly			<u> </u>				(hrs) (B						(BTUH)		
			LIGHTING					L		/ft²	₩	24		228	
1		E	VAPORATOR MOT	ORS			6	0		W	<u> </u>	24		205	
									AL MI	SCELLA	ANEC	US LO	AD	433	
						IGN S	UMMARY							_	
I nan I	Safety Factor	Safet Load (BTUH	(Hours)	Req (B	pacity Juired TUH)		gerant	Line Freque (Hz	ncy L	Design TD (°F)		Line L (°F	oss)	Condenser Ambient (°F)	
2,996	10%	3,296	16	4,	4,944 R448A		60		10.1		0.5		105		
			S	STEM	EQUIP	MENT	SELECTI	ON							
Equipment Ty		uantity	Model Nu					scriptio				Voltag		Rating (BTUH)	
Condensing U	nit	1	BEHA006M			EH-Line	e Hermeti			Inits-Air	20	08-230/1			
Evaporator		1	BLP107M/	A-S1D			Low Prof	ile, Evap	orator			115/1/6	50		
				5	SYSTEM	BALA	NCE								
Fan Loa	d (BTUH)		Suction Te		F)		Evapora		(°F)		Sys			(BTUH)	
			26.	5				8				5	,610		

PAGE 155 469 15 OF 21

NATIONAL REFRIGERATION AND BEHA006M8-HS2D AIR CONDITIONING CANADA CORP. 159 ROY BLVD, PO BOX 2020 **EH-LINE HERMETIC** BRANTFORD, ÓN CANADA N3T 5Y6 **CONDENSING UNITS-AIR** SUBMITTED BY : Laura Craig PURCHASER: PROJECT: South Middle School Lancaster SC DATE: 11 Oct 2022 ORDER #: 06338.58290.00469-A00 ITEM #:6 QUOTE #: Q10EULCB-A ID #: PURCHASER'S PO #: TAGGING: **MODEL FEATURES** · Copper tubing secured with cushion Suction Service valve Adjustable low pressure control with · Adjustable flooded head pressure flex hose / fixed high pressure control clamps Crankcase heater control (unless otherwise indicated) ECM with SmartSpeed Technology · High efficiency PSC fan motor with Units are shipped with Helium holding • High efficiency enhanced copper tube internal overload protection charge and aluminium fin coil design Weatherproof electrical control box with Outdoor weather-resistant housing Outdoor weatherproof pre-painted steel made from G90 galvanized steel compressor contactor and fused control cabinet · Pre-formed piping circuit • AWEF = 7.6 FOR Receiver with fusible plug and liquid R404A/R507/R448A/R449A ONLY shut off valve MODEL OPTIONS (* = Shipped Loose) **OPTION PACKAGES DISCONNECT SWITCH Continued Pump Down Toggle Switch** Small B (Good@Warm/Moderate) **QuickVac Valves** Non-Fused Small N (Better@Warm/Moderate) **Receiver Inlet Ball Valve EC FAN MOTORS + SPEED** Small P (Best@Warm/Moderate) **CONTROLLER** Single Point Electrical Small D (Good@Moderate/Cold) SUCTION ACCUMULATOR All Motors Variable Speed - 230V Small J (Better@Moderate/Cold) Units With Heat Exchanger Small Q (Best@Moderate/Cold) **Export Crating** Without Heat Exchanger **EXTENDED 4-YEAR COMPRESSOR** Small K **SUCTION FILTER** Small H WARRANTY Sealed Type 115V Control Circuit Copeland TIME CLOCK **Extended Leg Kit** ADJUSTABLE PRESSURE CONTROLS Paragon 8145 Style **COIL COATING** *230V Paragon 8145 Style Johnson Dual with flex hose Separate High/Low E-Coat *115V Paragon 8145 Style FIN MATERIAL **BALL VALVE** Wind Guard Gold Coat Fins *Liquid Line Less Flooding Valve(s) Copper Fins *Suction Line **Hail Guard for Condenser CAPACITY CONTROL - HOT GAS Heated and Insulated Receiver BYPASS HOUSING MATERIAL** To Inlet of Evaporator Stainless Steel To Suction Line **Insulated Suction Line Compressor Circuit Breaker Compressor Time Delay Relay LIQUID LINE FILTER + SIGHT GLASS** CONDENSING UNIT PRISON Sealed **PACKAGE** Liquid Line Lock-Out Relay **Tamper Proof Screws** LIQUID LINE SOLENOID VALVE Crankcase Pressure Regulator *Standard 230V Coil Discharge Air Hood *Standard 115V Coil DISCONNECT SWITCH **Oversized Receiver** Fused

VO	VOLTAGE		S	YSTEM REFRIC	SERANT	RATING		SUCT:	ION TEMP	AMBIENT	TEMP	CAPA	CITY	
208-2	230/1	/60		R448A			0.6Hp		26	5.5 °F	105 °	°F	5610	BTUH
		FANS			COI	MPRES	SOR				CIRCUIT	TOTAL	-	
QTY	PO	WER	FLA/FAI	N T	YPE	QTY	RLA	L	RA	AMPS	WATTS	MCA	,† M	10P‡
1	10	ow	1	RST45	C2E-CFV	1	4.4	3	30	5.4		6.5	;	15
LIQU	ID	3/	/8 in	SOUND	-		REC CAPACI	ΙΤΥ		5 lb			APPRO	VALS
SUCTI	ION	5/	/8 in	WEIGHT	149 lb)	REF CHARGE		3 lb					
NOTES	:												շ(Џ) ⊍s	

APPROVED BY:

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

MCA & MOP are for the condensing unit ONLY. Single point connections WILL show different on dataplate.

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:

Bally

NATIONAL REFRIGERATION AND

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

BEHA006M8-HS2D

EH-LINE HERMETIC CONDENSING UNITS-AIR

CHIVIDATISTS	0011521152116 011216 71211
PURCHASER:	SUBMITTED BY : Laura Craig
PROJECT : South Middle School Lancaster SC	DATE : 11 Oct 2022
ORDER #: 06338.58290.00469-A00	ITEM # : 6
QUOTE # : Q10EULCB-A	ID # :
PURCHASER'S PO # :	TAGGING:

SELECTED OPTION DESCRIPTIONS

Liquid Line Filter + Sight Glass - Sealed

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

Option Packages - Small B (Good@Warm/Moderate)

LLFD+SG

Time Clock - 115V Paragon 8145 Style

115V Defrost timer is time initiated, temperature or pressure terminated with a timed failsafe. Timer is shipped loose in a box for field installation.



NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

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

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.

Order Item No: 6

BEHA006M8-HS2D

EH-LINE HERMETIC CONDENSING UNITS-AIR

DATE: **11 Oct 2022** PURCHASER:

PROJECT : South Middle School Lancaster SC

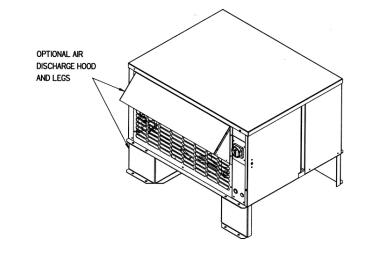
SUBMITTED BY: Laura Craig

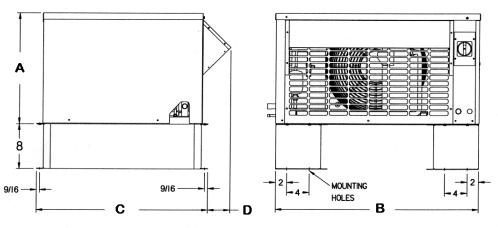
Dimensions shown are for standard unit less options.

DIMENSIONS									
DIMENSION A	19 3/8 in								
DIMENSION B	24 7/8 in								
DIMENSION C	30 3/8 in								
DIMENSION D	4 in								
DIMENSION E									
DIMENSION F									
DIMENSION G	0 in								
DIMENSION H									

CONNECTIONS					
LIQUID		3/8 in			
SUCTION		5/8 in			
DRAIN					
WATER					
DISCHARGE					
PAN LOOP					
HOT GAS SIDE PORT					
HOT GAS INLET					
HOT GAS OUTLET					
OTHER					
SHIPPING WEIGHT	149 lb				
REFRIGERANT CHAR	GE	3 lb			
RECEIVER CAPACIT	5 lb				

APPROVALS					
c (UL) us					





		ATIONAL R				BLP107MA-S1D										
T B		IR CONDIT		CAN	ADA CORP.	LOW PROFILE										
	BR	59 ROY BLVD, PO B RANTFORD, ON ANADA N3T 5Y6	OX 2020						LOW PROFILE EVAPORATOR							
	PURCHA					SUBM	IITTED E	BY : La	aura Cra							
			Middle S	cho	ol Lancaster SC				E : 11 Oct 2022							
		R # : 0633		004	69-A00			# : 8								
		TE # : Q10E	ULCB-A					#:								
PUI	RCHASER'S F	20 # :			MODELE	EATURES	TAGGIN	NG:								
● 3/8" Tu	bing coil con	struction (red	duces	• H	inged drain pan w		universa	al •	ECM wit	th Sm	artSpeed	d Techr	nology			
refrigerar	nt operating (charge)		dra	in connection (3/4	drain)		•	High eff	ficienc	y enhan	ced co		ıbe		
	installed sol	enoid valve v	vire		ont access to spa		rical and		nd alumi	inium	fin coil o	design				
harness • Heavy	gauge textur	ed aluminum			der compartments chrader connection		n heade		6 FPI AWEF =	= 9.0						
	onstruction r			• A	ttractive and dura	ble high de			Unit Co		AWEF/N	NRCAN	compl	iant		
	s/corrosion				ethylene fan gua				ith	E07/D	4404/04	140 A /D	4074/	0.407		
	us piping end r easy assem		זנ		ltra efficient Electr nmutated Motor (I			C C	404A/R5	507/R	448A/R4	49A/R	407A/I	(407		
unows for	r casy assert	.5.9			DEL OPTIONS (ed Loos		<u> </u>							
PRE-	ASSEMBLED	EVAP			EXPANSION VAI			_	_LIQU	ID LI	NE SOL	ENOID	VAL\	/E		
	artVap+ with		V	1	Sporlan TXV				1 Spoi		- "					
	orlan TXV, LLS 2 Evap Efficie		n FEV	Н	Sporlan EEV EEV for SmartVa	an⊥		L	Dual ` Wired		ge Coil	120-2	30V F	ield		
	2 Evap Effici			Н	Evaporator Disc		vitch				harged	and S	ealed	led		
Aux S	Sideport Co	nnector		$\overline{}$	EVAPORATOR P		CKAGE				RMOST	ATS				
	NET FINISH nted White	1		Н	Tamper Proof So	crews		F		hanica chanic						
H	inless Steel				Export Crating COIL COATING				_		A19ABC	,				
	ORS FOR C	PC BOARDS			E-Coat				_		A421AB					
	Temp Senso				FIN MATERIAL			_	_		421ABC	:-02				
	urn Air Temp AND DEFRO :		NIC	Н	Gold Coat Fins Copper Fins			L			Guards EFROST	PANE				
	TROLLER	31 LLLCTRO	MIC	Н	Insulated Drain	Pan				0V Co		· Ait	_			
	Therm Evap			$\overline{}$	KE2 THERM					5V Co						
	2 Therm Eva	porator Effic	iency		*CAT5e Shielde	d Cable - 5	0ft	Г			TION RI slope of					
	TRONIC CO	NTROLLER			w/connectors 40' Leads on Se	nsors + Tr	ansduce	_		n lines		ı pei	1001 0	II all		
KE2	? Temp+Defro	ost			Ethernet Adapte	er Kit					evap re	equired	outsid	le of		
	artVap+ Cont	trol Board an	d	Ш	*Remote Combo				box							
Disp	olay			Ш	*Liquid / Suctio	n Heat Ex	cnange	er								
	LTAGE	SY	STEM REF	RIG	ERANT	AIR FL	OW	EVA	P. TEMP)	BOX TE			ACITY		
115	/1/60		R44	8 A			680 CFM 27 °F 35 °F 5610 B				BTUH					
OTV	FANS POWER	T ELA/EAN			HEATE YPE OTY				AMPS		CIRCUIT WATTS	MCA		MOP‡		
QTY 1	0.07HP	FLA/FAN		- 1	YPE QTY	AMPS	<u> </u>		1 1	> V	60	1.3		15		
DISTRIBU		/8 in	SOUND)	-	REC CAR	PACITY			- '				OVALS		
SUCTIO		/8 in	WEIGH	Γ	48 lb	REF CH	ARGE		1 lb							
NOTES:						•							շ(ŲL) ⊍s	(ISF		
† MCA.	Minimum C	Circuit Ampac	ity, ‡ MO	P 1	Maximum Overcur	rent Protec	tion									
														-		
ADDECT	ED BY								I	P.4.	TC :		I			
APPROV											TE :					
					quipment is accepter wer subject to acce									ge		

NATIONAL REFRIGERATION AND AIR CONDITIONING CANADA CORP.

159 ROY BLVD, PO BOX 2020 BRANTFORD, ON

BLP107MA-S1D

LOW PROFILE EVAPORATOR

CANADA N31 516	LVAFORATOR
PURCHASER:	SUBMITTED BY: Laura Craig
PROJECT : South Middle School Lancaster SC	DATE : 11 Oct 2022
ORDER #: 06338.58290.00469-A00	ITEM # : 8
QUOTE #: Q10EULCB-A	ID # :
PURCHASER'S PO # :	TAGGING:

SELECTED OPTION DESCRIPTIONS

Expansion Valve - Sporlan TXV

May be Type EBQ, S, SBF, O externally equalized thermostatic expansion valve. Valves are selected using the specified capacity and operating conditions of the refrigeration system as specified on the accompanying Certified Prints.

<u>Installation Requirements - Minimum slope of 1" per</u> <u>foot on all drain lines</u>

Bally recommends a minimum slope of 1" per foot on all drain lines.

<u>Installation Requirements - P-trap per evap required</u> outside of box

All evaporators must be trapped individually outside of the box to prevent vapor migration back to coil surface.

Liquid Line Solenoid Valve - Sporlan

Sporlan solenoid coil voltage matches evaporator voltage except when evaporator is 460V, then 230V solenoid coil is used. Exceptions must be clearly explained in the Notes of the option.

Pre-assembled Evap - Sporlan TXV, LLSV,T-stat

Option Package consists of factory installed Sporlan balance port TXV, Sporlan liquid line solenoid valve and Johnson Controls A19 Room thermostat.

Room Thermostats - Mechanical

Single stage temperature control with Single-Pole, Double-Throw (SPDT) mechanical switch. May be Johnson A19 or equal, Operating range of -30°F to +100°F. Adjustable differential of 3°F to 12°F. Factory installed and wired.



NATIONAL REFRIGERATION AND

159 ROY BLVD, PO BOX 2020 BRANTFORD, ON

AIR CONDITIONING CANADA CORP.

CANADA N3T 5Y6

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.

Order Item No: 8

BLP107MA-S1D

LOW PROFILE EVAPORATOR

DATE: 11 Oct 2022

PURCHASER:

PROJECT: South Middle School Lancaster SC

SUBMITTED BY: Laura Craig

Dimensions shown are for standard unit less options.

DIMENSIONS						
DIMENSION A	30 1/4 in					
DIMENSION B	17 1/4 in					
DIMENSION C						
DIMENSION D						
DIMENSION E						
DIMENSION F						
DIMENSION G	0 in					
DIMENSION H						

CONNECTIONS					
DISTRIBUTOR	3/8 in				
SUCTION	5/8 in				
DRAIN	3/4 in				
WATER					
DISCHARGE					
PAN LOOP					
HOT GAS SIDE PORT					
HOT GAS INLET					
HOT GAS OUTLET					
OTHER					
SHIPPING WEIGHT	Г 48 lb				
REFRIGERANT CHAR	GE 1 lb				
RECEIVER CAPACIT	Υ				

APPROVALS						
c UL us	NSF					

.438 SLOTS IN MOUNTING BRACKETS 15 7/8 AIR THROW [403] APPROX 35' 3/4 MPT / 3/4 FLARE 3 -1 3/8 DRAIN CONNECTION [76] [35] 11 7/8 --3 1/8 [305] MINIMUM [302] [79]

