

Project Name: Tractor Supply #1886 - Puyallup, WA

Revised UOTG

Project Number: 658853 Project Altitude: 43 Project Location: 621 River Rd

Puyallup, Washington US

Customer: Tractor Supply Co

National Account: Tractor Supply Co

Date: 5/21/2024 Quote: 465819 Roof Top Units: 3 Split Systems: 1

PRMH20241062



Table of Contents

Tag		Model	Description
RTU-1,2,3 FT717	3	LGT180H4M	LGT180H4M-G 15T CONF E=12.0
<u>AC-7</u>		24A99	EL090XCSST1G AC/7.5TON/460-3

Revit® Building Information Modeling (BIM) - Click here

AutoCAD® Templates - Click here

Full-Sized legible color report is required to be provided by the Permittee on site for all Inspections



Tag: RTU-1,2,3 FT717

Model: LGT180H4M - LGT180H4M-G 15T CONF E=12.0

UNIT OVI	UNIT OVERVIEW										
Voltage	IEER EER	MCA/MOCP (amp)	Gross Cooling Ttl/Sens (MBH)	Net Cooling Ttl/Sens (MBH)	Supply Air Flow (cfm)	ESP/TSP (in.WC)	EAT DB/WB (°F)	LAT DB/WB (°F)			
460V 3Ph 60Hz	15 12	31 / 35	184.4 / 140.1	177.9 / 133.6	6,000	0.50 / 0.60	80.0 / 67.0	57.8 / 56.9			

COOLING				
Coolin	g Performance	Tempe	ratures (DB/WB °F)	
Gross Cooling (Ttl/Sens)	184.4 / 140.1 MBH	Ambient	95.0	
Net Cooling (Ttl/Sens)	177.9 / 133.6 MBH	Entering	80.0	67.0
Coil Moisture Removal	41.71 lb/hr	Total Leaving – (Coil)	57.8	56.9
System Moisture Removal	41.71 lb/hr	Total Leaving – (Unit)	58.8	57.3

ARI Performance		Compress	sors		Refrigerant	Condensate	Condensate Drain	
ARI Cooling	176.0 / 172.0 MBH	Cooling Stages	3	Type	R-410A	Qty	1	
ARI Power	14,300 W	Compressor Qty	3	Charge	20 LBS. 4 OZ.	Size	1 in.	
		Compressor RLA	20.6 amp			Pipe Thread	FPT	

HEATING					
Heati	ng Performance	Temperati	ıres (DB/WB °F)	Specificat	tions
Output (High/Low)	211.0 / 69.0 MBH	Total Leaving	32.6	Heat Stages	2
Input (High/Low)	260.0 / 85.0 MBH			Thermal Efficiency	81.0%
Gas Heat Rise	32.6 °F			Gas Line Size	1 in.
				Gas Pressure	7 in.WC

VENTILATION							
	Air Flow (cfm)		Supply Fan	Air Resist	Air Resistance (in.WC)		
Supply	6,000	Nominal Power	3.00 hp	Total	0.60		
		Required Power	2.15 hp	Ext Supply	0.50		
		Drive Type	MSAV Belt Drive				
		RPM Range	710 - 965 rpm				
		Required RPM	710 rpm				
			·				

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)										
Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW			
0.03		0.07								

ELECTRICAL				
Voltage	460V 3Ph / 60Hz	Compressor RLA	20.6 amp	
MCA	31 amp	Condenser FLA	5.4 amp	
MOCP	35 amp	Supply Fan FLA	4.8 amp	
Oper Range-Nom Volt	+/- 10%	Cooling FLA Total	30.8 amp	

ADDITIONAL I	DATA		
Cabinet	132.62 in. x 91.12 in. x 54.25 in.	Total Weight	2,351 lb
Downflow Supply	20.0 in. x 28.0 in.	Base Unit Net Weight	2,128 lb
Downflow Return	15.0 in. x 60.5 in.	OAS/Econ Weight	167 lb
Filters	(6) 24.0 in. x 24.0 in. x 2.0 in.	Exaust Weight	20 lb
Sound Rating	93 dBA	Coil Hail Guard Weight	36 lb
3			



Tag: RTU-1,2,3 FT717

Factory Installed Options

High Performance Economizer Upgrade Factory Installed Single Sensible High Performance Economizer

Belt Drive

Unit Orientation Downflow

Supply Fan: Multi-Stage Air Volume Belt

440V/460V/480V 3Phase

35 Amp Circuit Breaker Factory Installed

Built-in BACnet IP and MS/TP (standard)

Supply Motor - 3.0 Hp Std- w/ MSAV

Supply Drive Kit 2 (710-965 RPM)

Barometric Relief Damper Factory Installed

260K S.S. (Dual Stage)

Combination Coil/Hail Guards Factory Installed

Hinged Access Doors Factory Installed

15A GFCI Factory Installed/Field Wired

Environ Condenser Coil System Factory Installed

2" MERV4 - Std. Filter Factory Installed

Field Installed Accessories

Catalog Number	Qty	Description
21Z09	6	Single Enthalpy Control Field Installed
31B59	3	Curb Adapter AC/YK05/LN03
22H57	3	Both Supply & Return Smoke Detector Field Installed
E7026	3	1LNWty, PKG31ST~1YR LABORONLY<=20T

Product Features

Cabinet

Hinged Access Panels

Durable Outdoor Enamel Paint Finish

Totally Enclosed Outdoor Fan Motor

PVC Coated Fan Guard

Corrosion-Resistant Drain Pan

Isolated Compressor Compartment

Cooling System

Scroll Compressor

Expansion Valves

High Capacity Driers

Crankcase Heater

System can operate from 0°F to 125°F without any additional controls

Pre-charged Refrigeration System

Timed Off Control

Internal Pressure Relief Valve

Building Automation Integrated Control - Up to 3 Stages of Cooling

Heating System

Redundant Automatic Gas Valve with Manual Shut-off

Electronic Flame Sensor

Direct Spark Ignition

Inshot Burners

AGA-CGA Certified

Control System

Fan and Limit Controls

Overload Protection

Microprocessor Controls – Lennox® CORE Control System

Auto reset high & low pressure switch with strike 3 lockout feature in Lennox® CORE Control System

Built-in BACnet IP & MS/TP

Phase/Voltage Detection

Return Air Sensor Factory Installed

Outdoor Air Sensor Factory Installed

Factory Installed Discharge Air Sensor



Compliance

Components are Bonded for Grounding

Factory Test Operated

All models are ASHRAE 90.1-2019 energy efficiency compliant and meet or exceed requirements of Section 6.8

All models meet DOE 2018 and 2023 energy efficiency standards

Model meets California Code of Regulations, Title 24 and ASHRAE 90.1-2016 Section 6.4.3.10 requirements for staged airflow Model meets HCAI (formerly OSHPD) OSP and Special Seismic Certification (Number: OSP-0596) and meet 2018 International Building Code (IBC), 2019 California Building Code (CBC) ASCE 7, and ICC-ES AC156

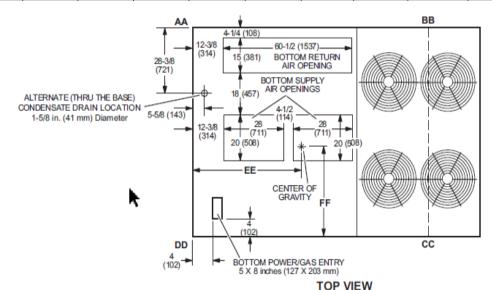
ISO 9001 Registered Manufacturing Quality System

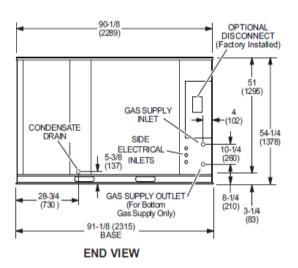
Warranty

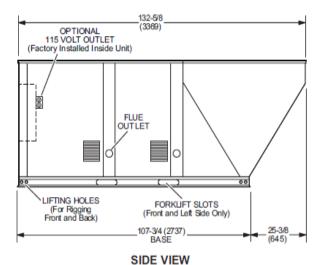
Limited warranty on stainless steel heat exchanger of 15 years Limited warranty on compressor of 5 years Limited warranty on Environ Coil System of 3 years Limited warranty on High Performance Economizer of 5 years Limited warranty on all other components of 1 year See Limited Warranty Certificate included with unit for details Limited warranty on Lennox® CORE Control System of 3 years



AA		BB		СС		D	D	E	EE		F
Base	Max	Base	Max	Base	Max	Base	Max	Base	Max	Base	Max
483	596	435	517	574	604	636	696	51.10	50.06	39.30	42.03

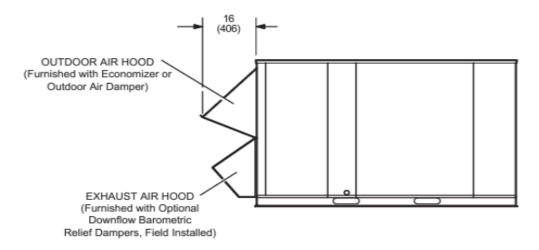






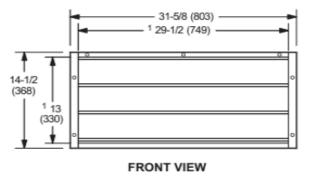


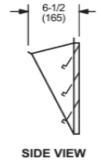
OUTDOOR AIR HOOD DETAIL



OPTIONAL HORIZONTAL BAROMETRIC RELIEF DAMPERS WITH HOOD

(Field installed in horizontal return air duct adjacent to unit)

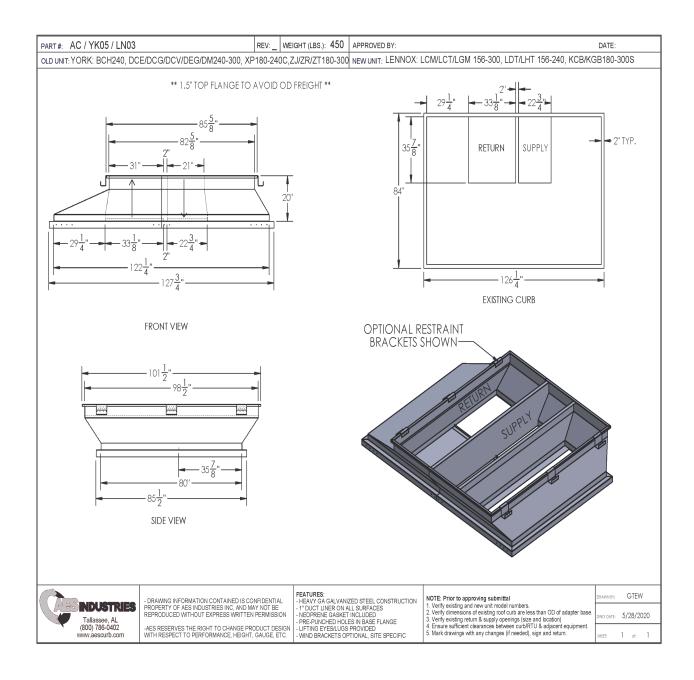




NOTE - Two furnished per order no.

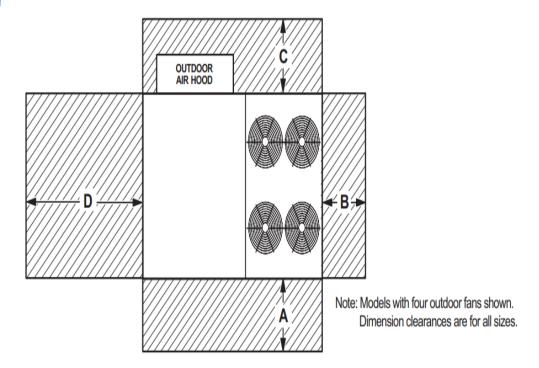
NOTE - Opening size required in return air duct.







Unit With Economizer



¹ Unit Clearance	A		В		С		D		Тор
Offit Clearance	in.	mm	in.	mm	in.	mm	in.	mm	Clearance
Service Clearance	60	1524	36	914	36	934	66	1676	
Clearance to Combustibles	36	914	1	25	1	25	1	25	Unobstructed
Minimum Operation Clearance	45	1143	36	914	36	914	41	1041	

NOTE - Entire perimeter of unit base requires support when elevated above the mounting surface.

Clearance to Combustibles - Required clearance to combustible material.

Minimum Operation Clearance - Required clearance for proper unit operation.

¹ Service Clearance - Required for removal of serviceable parts.



Tag: AC-7

Condenser: EL090XCSST-460-3

Condenser							
Voltage	460 Volt 3 Phase V / 3Ph / 60Hz	Dimensions	48.38 in. x 39.88 in. x 48.75 in.				
Tons	7.5	Total Weight	345 lb				
MCA / MOCP	17.00 / 25.00 amp	•					
Condenser Oper Range-Nom Volt	+/- 10%						
Compre	essors	Refrigerant					
Cooling Stages Two		Type	R-410A				
Compressor Qty 1		Cond Suction Line	1 1/8				
		Cond Liquid Line	5/8				



Tag: AC-7

Product Features

Cabinet

Heavy gauge galvanized steel cabinet Copper Tube / Aluminum Fin Coils

Cooling System

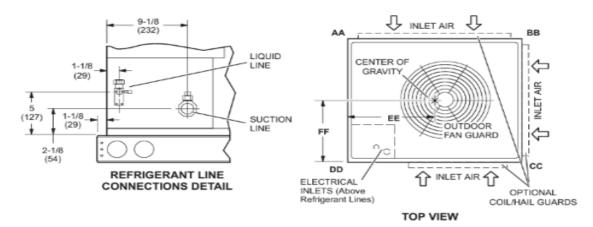
Non Chlorine, Ozone Friendly Refrigerant, R410A Scroll Compressor Hi-Capacity Drier factory installed in liquid line Low Pressure Switch

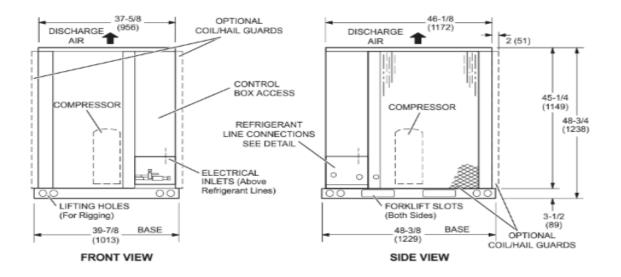
Warranty

Condenser See Limited Warranty Certificate included with unit for details
Condenser Limited compressor warranty of 5 years for Non-Residential Installations
Condenser Limited warranty on all covered components of 1 year
Condenser Limited warranty on all covered components of 1 year in Non-Residential Installations



DIMENSIONS EL072XCSS EL090XCSS										OXCSS		
Model No.	CORNER WEIGHTS								CENTER OF GRAVITY			
	AA		BB		cc		DD		EE		FF	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	in.	mm	in.	mm
EL072XCSS	66	30	73	33	97	44	82	37	23-1/4	591	19-1/4	489
EL090XCSS	75	34	89	40	112	51	88	40	25	635	20-1/4	514

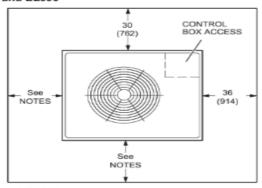






UNIT CLEARANCES

EL072 and EL090



NOTES:

Clearance to one of the remaining two sides may be 12 in. (305 mm) and the final side may be 6 in. (152 mm).

A clearance of 24 in. (610 mm) must be maintained between two units.

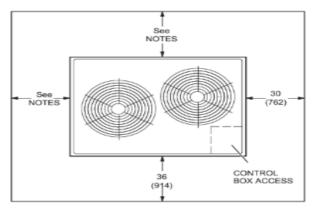
48 in. (1219 mm) clearance required on top of unit.

EL120 and EL150

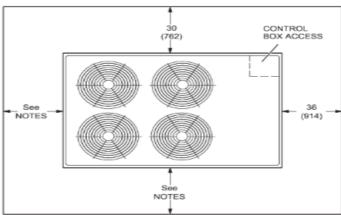
NOTES:

Clearance to one of the remaining two sides may be 12 in. (305 mm) and the final side may be 6 in. (152 mm). A clearance of 24 in. (610 mm) must be maintained between two units.

48 in. (1219 mm) clearance required on top of unit.



EL180 and EL240



NOTES:

Clearance to one of the remaining two sides may be 12 in. (305 mm) and the final side may be 6 in. (152 mm).

A clearance of 24 in. (610 mm) must be maintained between two units.

48 in. (1219 mm) clearance required on top of unit.