

Project Name: Lakewood Storage

Project Number: 376132
Project Altitude: 500
Project Location:
4101 NE Port Drive
Lee's Summit, Missouri US

Customer: Zone Comm Kansas City

Engineer: BC Engineers Inc

Project Submittal

Date: 11/28/2022 Quote: 281890 **Roof Top Units:** 0

Split Systems: 10

Table of Contents

Tag	Qty	Model	Description
	1	22K27	ML14XC1-048-463 CONDENSER/4TON/460-3
F-1, CU-1	1	16Y15	CHX35-51/61C-6F-1 COIL/4-5 Ton/Cased
	1	19A34	ML196UH090XE48C Furnace-Gas/90Btuh/4Ton
	5	22K27	ML14XC1-048-463 CONDENSER/4TON/460-3
F-2:6, CU-1:6	5	16Y15	CHX35-51/61C-6F-1 COIL/4-5 Ton/Cased
	5	19A34	ML196UH090XE48C Furnace-Gas/90Btuh/4Ton
	3	22K27	ML14XC1-048-463 CONDENSER/4TON/460-3
F-7:9, CU-7:9	3	16Y15	CHX35-51/61C-6F-1 COIL/4-5 Ton/Cased
	3	19A34	ML196UH090XE48C Furnace-Gas/90Btuh/4Ton
<u>UH-1</u>	1	18C71	LF25-105A-1 UNIT HEATER
Miscellaneous Items			

Revit® Building Information Modeling (BIM) - Click here

AutoCAD® Templates - Click here



Tag: F-1, CU-1

 Condenser:
 ML14XC1-048-463

 Evaporator Coil:
 CHX35-51/61C-6F

 Furnace:
 ML196UH090XE48C

UNIT OVERV	Al	HRI Reference	e - 207742097					
Voltage	SEER EER	Tons	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)
480 Volt 3 Phase / 60Hz	14.25 12	4.0	45.7 / 33.5	43.3 / 31.1	1,299	0.5 / 0.7	80.0 / 67.0	56.0 / 55.7

COOLING								
	Cooling Per		Temperatu	res (DI	B/WB °F)			
Gross Cooling (Ttl,	/Sens)	45.7 / 33.5 MBH		Ambient		95	.0	95.0
Net Cooling (Ttl/S	ens)	43.3 / 31.1 MBH		Entering		80	.0	67.0
Coil Moisture Rem	noval	11.46 lb/hr		Leaving – (Coil)		56	.0	55.7
				Leaving – (Unit)		57	.7	56.3
ARI P	Performance	Compres	Compressors		Refrigerant		Condensate Drain	
ARI Cooling	46.0 MBH	Cooling Stages	Single	Туре	R-410A		Qty	2
_		Compressor Qty	1	Cond Suction Line	7/8		Size	0.75 in.
				Cond Liquid Line	3/8		Pipe Thread	fpt
				Coil Suction Line	7/8			
				Coil Liquid Line	3/8			

HEATING							
Heat	ting Performance		Temperatures (DB/WB °F)	Specificat	Specifications		
Output	85.6 / MBH	Leaving	61.0	Thermal Efficiency	96.0%		
(High/Low)	88.0 / MBH			Gas Line Size	0.5 in.		
Input (High/Low)	61.0 °F			Heat Exchange Type	Aluminum		
Heat Rise							

VENTILATION										
	Air Flow (cfm)		Supply Fan	Air Resistance (in.WC)						
Supply	1,299	Nominal Power	0.75hp	Total	0.71					
Outdoor	150	Drive Type	ECM Multi Speed Constant Torque	Ext Supply	0.50					
		Speed	Medium-Low	Wet Coil	0.21					
		Orientation	Upflow/Horizontal							

ELECTRICAL										
Con	denser		Furnace							
Voltage	480 Volt 3 Phase / 60Hz	Voltage	120V / 1Ph / 60Hz							
MCA	8 amp	MCA	LESS THAN 12 amp							
MOCP	10 amp	MOCP	15 amp							
Condenser Oper Range-Nom Volt	+/- 10%									
Oper Range-Nom Volt	+/- 10%									

ADDITIONA	L DATA					
	Condenser		Furnace	Evaporator Coil		
Dimensions	28.25 in. x 28.25 in. x 37.25 in.	Dimensions	28.75 in. x 21.00 in. x 33.00 in.	Dimensions	31.50 in. x 21.50 in. x 21.00 in.	
Total Weight	218 lb	Total Weight	152 lb	Total Weight	70 lb	

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Tag: F-1, CU-1

Field Installed Accessories

Catalog Number	Qty	Description
17G74	1	CS7500 Comm'l Programmable T-stat w/ FDD Field Installed
93G35	1	Freezestat 3/8 Field Installed
34M72	1	Low Ambient Control (30 Deg) Fan Cycling Field Installed
87L97	1	Air Fltr And Rack Kit Horz (C Width) Field Installed
60L46	1	3" Concentric Vent Kit Field Installed
51W10	1	Furnace Horizontal Suspension Kit Field Installed

Product Features

Cabinet

Heavy gauge galvanized steel cabinet Non-corrosive drain pan Fully Insulated heavy gauge steel cabinet Heavy Gauge Cold Rolled Steel Cabinet

Cooling System

Non Chlorine, Ozone Friendly Refrigerant, R410A
RFC IV Metering Device furnished (easily removed for expansion valve use)
High Pressure Switch (Manual Reset)
Scroll Compressor
Quantum Coil / Fortified aluminum allow tube/enhanced fin coil
Hi-Capacity Drier factory installed in liquid line
Low Pressure Switch

Twin Coils assembled in an "A" configuration Check and Expansion Valve is factory installed

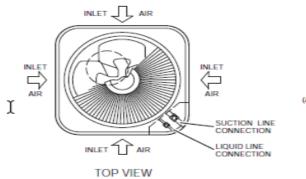
Heating System

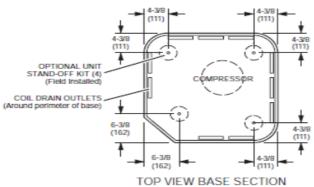
Aluminized Steel Inshot Burners Aluminized Steel Tubular Heat Exchanger SureLight(R) Hot Surface Ignition

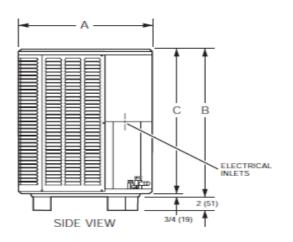
Warranty

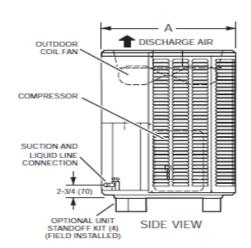
Condenser Limited compressor warranty of 5 years for Residential Installations
Condenser See Limited Warranty Certificate included with unit for details
Condenser Limited compressor warranty of 5 years for Non-Residential Installations
Coil See Limited Warranty Certificate included with unit for details
Coil Limited warranty on all other covered components of 1 year (Comm Use)
Furnace See Limited Warranty Certificate included with unit for details
Furnace Limited warranty on heat exchanger of 20 years
Furnace Limited warranty on all other covered components of 1 year (Comm Use)
Furnace Limited warranty on Surelight ignition control system of 1 Year (Comm Use)







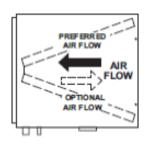




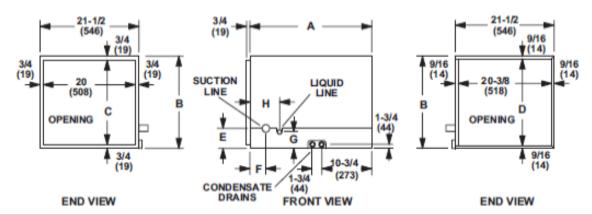
Model		A	E	3	С		
Model	inches	mm	inches	mm	inches	mm	
018	24-1/4	616	29-1/4	743	28-1/2	724	
024	28-1/4	718	29-1/4	743	28-1/2	724	
030	28-1/4	718	37-1/4	946	36-1/2	927	
036	28-1/4	718	33-1/4	845	32-1/2	826	
041	28-1/4	718	37-1/4	946	36-1/2	927	
042	28-1/4	718	37-1/4	946	36-1/2	927	
047	32-1/4	817	33-1/4	845	32-1/2	826	
048	28-1/4	718	37-1/4	946	36-1/2	927	
059	32-1/4	817	43-1/4	1099	42-1/2	1080	
060	32-1/4	817	43-1/4	1099	42-1/2	1080	



 Optional right-hand airflow requires a field fabricated 6 in. (152 mm) spacer in-between the furnace and coil.



TOP VIEW



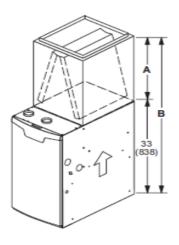
Model No.	Α		В		С		D		E		F		0	;	Н	
model No.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CHX35-18A-6F	26-1/2	673	14-1/2	368	13	330	13-3/8	340	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-24A-6F	26-1/2	673	14-1/2	368	13	330	13-3/8	340	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-24B-6F	26-1/2	673	17-1/2	444	16	406	16-3/8	416	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-30A-6F	31-1/2	800	14-1/2	368	13	330	13-3/8	340	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-30B-6F	26-1/2	673	17-1/2	444	16	406	16-3/8	416	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-36A-6F	26-1/2	673	14-1/2	368	13	330	13-3/8	340	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-36B-6F	26-1/2	673	17-1/2	444	16	406	16-3/8	416	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-36C-6F	26-1/2	673	21	533	19-1/2	495	19-7/8	505	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-42B-6F	31-1/2	800	17-1/2	444	16	406	16-3/8	416	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-42C-6F	26-1/2	673	21	533	19-1/2	495	19-7/8	505	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-48B-6F	31-1/2	800	17-1/2	444	16	406	16-3/8	416	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-48C-6F	26-1/2	673	21	533	19-1/2	495	19-7/8	505	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-51/61C-6F	31-1/2	800	21	533	19-1/2	495	19-7/8	505	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-60D-6F	31-1/2	800	24-1/2	622	23	584	23-3/8	594	4	102	2-1/8	54	3	76	4-7/8	124

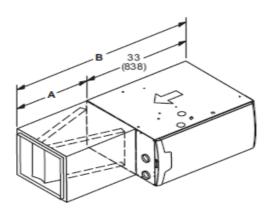


DIMENSIONS - FURNACE/COIL COMBINED DIMENSIONS

UPFLOW POSITION

Model			CX35 sed		C35 Uncased				
Number	, and	4	E	3	1	4	В		
	in.	mm	in.	mm	in.	mm	in.	mm	
C35/CX35-18/24B	16-1/2	419	49-1/2	1257	14-1/8	359	47-1/8	1197	
C35/CX35-24B	18-1/2	470	51-1/2	1308	16-3/8	416	49-3/8	1254	
C35/CX35-30B	22-1/2	572	55-1/2	1410	20-3/4	527	53-3/4	1365	
C35/CX35-30/36B C35/CX35-30/36C	24-1/2	622	57-1/2	1461	22-1/4	565	55-1/4	1403	
C35/CX35-36B	24-1/2	622	57-1/2	1461	22-3/8	568	55-3/8	1407	
C35/CX35-48B C35/CX35-48C	27-1/2	699	60-1/2	1537	26-1/4	667	59-1/4	1505	
C35/CX35-49C	29-1/2	749	62-1/2	1588	28-1/2	724	61-1/2	1562	
C35/CX35-50/60C	27-1/2	699	60-1/2	1537	25-7/8	657	58-7/8	1495	
C35/CX35-60C	31-1/2	800	64-1/2	1638	30-5/8	778	63-5/8	1616	
C35/CX35-60D	29-1/2	749	62-1/2	1588	28	711	61	1549	



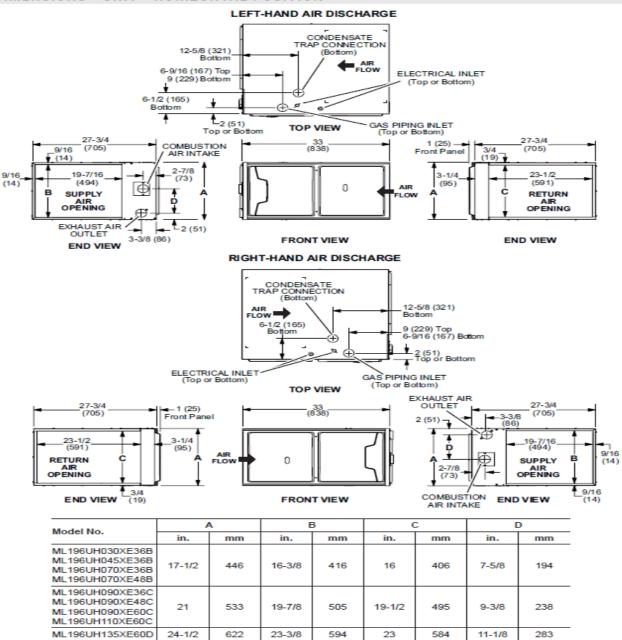


HORIZONTAL POSITION

Model		CH35/CHX35							
Number		A	В						
Nullibei	in.	mm	in.	mm					
CH35/CHX35-24B CH35/CHX35-30B CH35/CHX35-36B CH35/CHX35-36C CH35/CHX35-42C CH35/CHX35-48C	26-1/2	673	59-1/2	1511					
CH35/CHX35-42B CH35/CHX35-48B CH35/CHX35-51C CH35/CHX35-60D	31-1/2	880	64-1/2	1638					



DIMENSIONS - UNIT - HORIZONTAL POSITION









ComfortSense®

4 Heat / 2 Cool Universal Multi-Stage



 Tag:
 F-2:6, CU-1:6

 Condenser:
 ML14XC1-048-463

 Evaporator Coil:
 CHX35-51/61C-6F

 Furnace:
 ML196UH090XE48C

UNIT OVERV	/IEW				AHRI Reference - 207742097						
Voltage	SEER EER	Tons	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)			
480 Volt 3 Phase / 60Hz	14.25 12	4.0	45.7 / 33.5	43.3 / 31.1	1,299	0.5 / 0.7	80.0 / 67.0	56.0 / 55.7			

COOLING									
	Cooling Per	formance			Temperatu	res (DI	B/WB °F)		
Gross Cooling (Ttl,	/Sens)	45.7 / 33.5 MBH		Ambient		95	.0	95.0	
Net Cooling (Ttl/S	ens)	43.3 / 31.1 MBH		Entering		80	.0	67.0	
Coil Moisture Removal		11.46 lb/hr	11.46 lb/hr		Leaving – (Coil) 56.		.0 55.7		
				Leaving – (Unit)	Leaving – (Unit) 57.			56.3	
ARI P	Performance	Compres	Compressors		Refrigerant		Condensate Drain		
ARI Cooling	46.0 MBH	Cooling Stages	Single	Туре	R-410A		Qty	2	
_		Compressor Qty	1	Cond Suction Line	7/8		Size	0.75 in.	
				Cond Liquid Line	3/8		Pipe Thread	fpt	
				Coil Suction Line	7/8				
				Coil Liquid Line	3/8				

HEATING					
Heat	ting Performance		Temperatures (DB/WB °F)	Specificat	ions
Output	85.6 / MBH	Leaving	61.0	Thermal Efficiency	96.0%
(High/Low)	88.0 / MBH			Gas Line Size	0.5 in.
Input (High/Low)	61.0 °F			Heat Exchange Type	Aluminum
Heat Rise					

VENTILATION										
	Air Flow (cfm)		Supply Fan	Air Resistance (in.WC)						
Supply	1,299	Nominal Power	0.75hp	Total	0.71					
Outdoor	225	Drive Type	ECM Multi Speed Constant Torque	Ext Supply	0.50					
		Speed	Medium-Low	Wet Coil	0.21					
		Orientation	Upflow/Horizontal							

ELECTRICAL.										
Con	Condenser Furnace									
Voltage	480 Volt 3 Phase / 60Hz	Voltage	120V / 1Ph / 60Hz							
MCA	8 amp	MCA	LESS THAN 12 amp							
MOCP	10 amp	MOCP	15 amp							
Condenser Oper Range-Nom Volt	+/- 10%									
Oper Range-Nom Volt	+/- 10%									

ADDITIONAL DATA										
	Condenser		Furnace	Evaporator Coil						
Dimensions	28.25 in. x 28.25 in. x 37.25 in.	Dimensions	28.75 in. x 21.00 in. x 33.00 in.	Dimensions	31.50 in. x 21.50 in. x 21.00 in.					
Total Weight	218 lb	Total Weight	152 lb	Total Weight	70 lb					

Project Name: Lakewood StoragePageQuote: 2818909 of 29



Tag: F-2:6, CU-1:6

Field Installed Accessories

Catalog Number	Qty	Description
17G74	5	CS7500 Comm'l Programmable T-stat w/ FDD Field Installed
93G35	5	Freezestat 3/8 Field Installed
34M72	5	Low Ambient Control (30 Deg) Fan Cycling Field Installed
87L97	5	Air Fltr And Rack Kit Horz (C Width) Field Installed
60L46	5	3" Concentric Vent Kit Field Installed
51W10	5	Furnace Horizontal Suspension Kit Field Installed

Product Features

Cabinet

Heavy gauge galvanized steel cabinet Non-corrosive drain pan Fully Insulated heavy gauge steel cabinet Heavy Gauge Cold Rolled Steel Cabinet

Cooling System

Non Chlorine, Ozone Friendly Refrigerant, R410A
RFC IV Metering Device furnished (easily removed for expansion valve use)
High Pressure Switch (Manual Reset)
Scroll Compressor
Quantum Coil / Fortified aluminum allow tube/enhanced fin coil
Hi-Capacity Drier factory installed in liquid line
Low Pressure Switch

Twin Coils assembled in an "A" configuration Check and Expansion Valve is factory installed

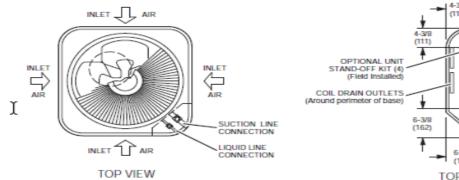
Heating System

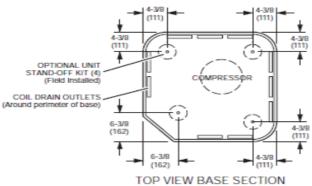
Aluminized Steel Inshot Burners Aluminized Steel Tubular Heat Exchanger SureLight(R) Hot Surface Ignition

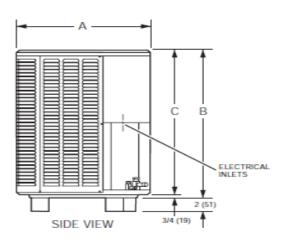
Warranty

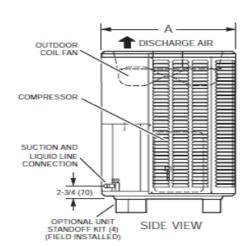
Condenser Limited compressor warranty of 5 years for Residential Installations
Condenser See Limited Warranty Certificate included with unit for details
Condenser Limited compressor warranty of 5 years for Non-Residential Installations
Coil See Limited Warranty Certificate included with unit for details
Coil Limited warranty on all other covered components of 1 year (Comm Use)
Furnace See Limited Warranty Certificate included with unit for details
Furnace Limited warranty on heat exchanger of 20 years
Furnace Limited warranty on all other covered components of 1 year (Comm Use)
Furnace Limited warranty on Surelight ignition control system of 1 Year (Comm Use)







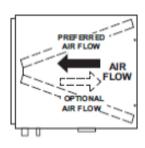




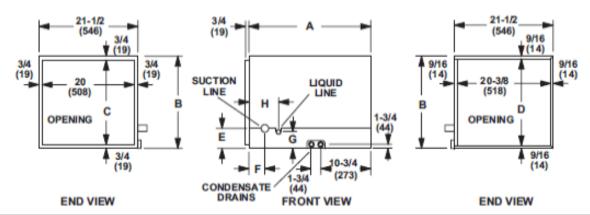
Mandal		A	E	3	(С		
Model	inches	mm	inches	mm	inches	mm		
018	24-1/4	616	29-1/4	743	28-1/2	724		
024	28-1/4	718	29-1/4	743	28-1/2	724		
030	28-1/4	718	37-1/4	946	36-1/2	927		
036	28-1/4	718	33-1/4	845	32-1/2	826		
041	28-1/4	718	37-1/4	946	36-1/2	927		
042	28-1/4	718	37-1/4	946	36-1/2	927		
047	32-1/4	817	33-1/4	845	32-1/2	826		
048	28-1/4	718	37-1/4	946	36-1/2	927		
059	32-1/4	817	43-1/4	1099	42-1/2	1080		
060	32-1/4	817	43-1/4	1099	42-1/2	1080		



 Optional right-hand airflow requires a field fabricated 6 in. (152 mm) spacer in-between the furnace and coil.



TOP VIEW



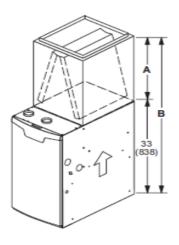
Model No.	Α	Α		B C			D		E		F		G		Н	
Model No.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CHX35-18A-6F	26-1/2	673	14-1/2	368	13	330	13-3/8	340	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-24A-6F	26-1/2	673	14-1/2	368	13	330	13-3/8	340	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-24B-6F	26-1/2	673	17-1/2	444	16	406	16-3/8	416	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-30A-6F	31-1/2	800	14-1/2	368	13	330	13-3/8	340	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-30B-6F	26-1/2	673	17-1/2	444	16	406	16-3/8	416	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-36A-6F	26-1/2	673	14-1/2	368	13	330	13-3/8	340	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-36B-6F	26-1/2	673	17-1/2	444	16	406	16-3/8	416	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-36C-6F	26-1/2	673	21	533	19-1/2	495	19-7/8	505	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-42B-6F	31-1/2	800	17-1/2	444	16	406	16-3/8	416	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-42C-6F	26-1/2	673	21	533	19-1/2	495	19-7/8	505	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-48B-6F	31-1/2	800	17-1/2	444	16	406	16-3/8	416	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-48C-6F	26-1/2	673	21	533	19-1/2	495	19-7/8	505	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-51/61C-6F	31-1/2	800	21	533	19-1/2	495	19-7/8	505	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-60D-6F	31-1/2	800	24-1/2	622	23	584	23-3/8	594	4	102	2-1/8	54	3	76	4-7/8	124

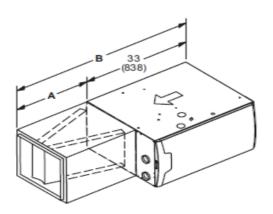


DIMENSIONS - FURNACE/COIL COMBINED DIMENSIONS

UPFLOW POSITION

Model			CX35 sed		C35 Uncased				
Number	-	A	E	3	-	A	E	В	
	in.	mm	in.	mm	in.	mm	in.	mm	
C35/CX35-18/24B	16-1/2	419	49-1/2	1257	14-1/8	359	47-1/8	1197	
C35/CX35-24B	18-1/2	470	51-1/2	1308	16-3/8	416	49-3/8	1254	
C35/CX35-30B	22-1/2	572	55-1/2	1410	20-3/4	527	53-3/4	1365	
C35/CX35-30/36B C35/CX35-30/36C	24-1/2	622	57-1/2	1461	22-1/4	565	55-1/4	1403	
C35/CX35-36B	24-1/2	622	57-1/2	1461	22-3/8	568	55-3/8	1407	
C35/CX35-48B C35/CX35-48C	27-1/2	699	60-1/2	1537	26-1/4	667	59-1/4	1505	
C35/CX35-49C	29-1/2	749	62-1/2	1588	28-1/2	724	61-1/2	1562	
C35/CX35-50/60C	27-1/2	699	60-1/2	1537	25-7/8	657	58-7/8	1495	
C35/CX35-60C	31-1/2	800	64-1/2	1638	30-5/8	778	63-5/8	1616	
C35/CX35-60D	29-1/2	749	62-1/2	1588	28	711	61	1549	



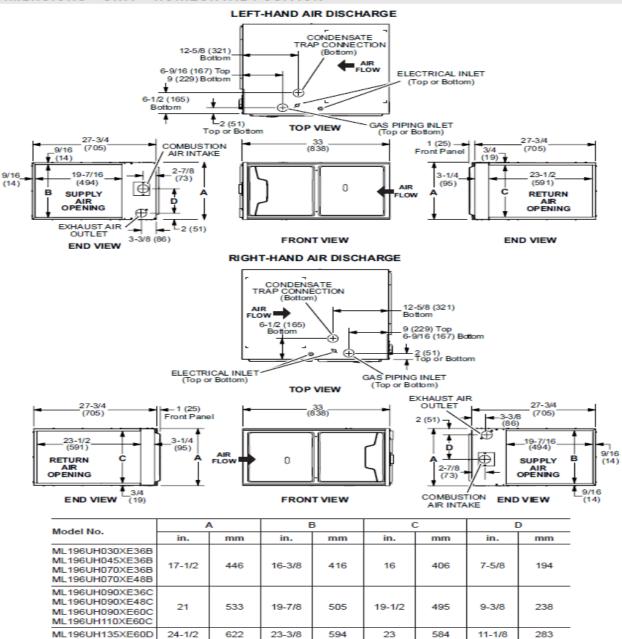


HORIZONTAL POSITION

Model	CH35/CHX35							
Number	1	A	В					
Nullibei	in. mm		in.	mm				
CH35/CHX35-24B CH35/CHX35-30B CH35/CHX35-36B CH35/CHX35-36C CH35/CHX35-42C CH35/CHX35-48C	26-1/2	673	59-1/2	1511				
CH35/CHX35-42B CH35/CHX35-48B CH35/CHX35-51C CH35/CHX35-60D	31-1/2	880	64-1/2	1638				



DIMENSIONS - UNIT - HORIZONTAL POSITION









ComfortSense®

4 Heat / 2 Cool Universal Multi-Stage



 Tag:
 F-7:9, CU-7:9

 Condenser:
 ML14XC1-048-463

 Evaporator Coil:
 CHX35-51/61C-6F

 Furnace:
 ML196UH090XE48C

UNIT OVERV	/IEW				AHRI Reference - 207742097					
Voltage	SEER EER	Tons	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)		
480 Volt 3 Phase / 60Hz	14.25 12	4.0	45.7 / 33.5	43.3 / 31.1	1,299	0.5 / 0.7	80.0 / 67.0	56.0 / 55.7		

COOLING										
Cooling Performance					Temperatures (DB/WB °F)					
Gross Cooling (Ttl	/Sens)	45.7 / 33.5 MBH		Ambient		95	.0	95.0		
Net Cooling (Ttl/S	Sens)	43.3 / 31.1 MBH		Entering		80	.0	67.0		
Coil Moisture Rem	noval	11.46 lb/hr		Leaving – (Coil)		56	.0	55.7		
				Leaving – (Unit)		57	.7	56.3		
ARI P	Performance	Compres	sors	Refric	Refrigerant		Condensate Drain			
ARI Cooling	46.0 MBH	Cooling Stages	Single	Туре	R-410A		Qty	2		
		Compressor Qty	1	Cond Suction Line	7/8		Size	0.75 in.		
				Cond Liquid Line	3/8		Pipe Thread	fpt		
				Coil Suction Line	7/8					
				Coil Liquid Line	3/8					

HEATING					
Heat	ting Performance		Temperatures (DB/WB °F)	Specificat	ions
Output	85.6 / MBH	Leaving	61.0	Thermal Efficiency	96.0%
(High/Low)	88.0 / MBH			Gas Line Size	0.5 in.
Input (High/Low)	61.0 °F			Heat Exchange Type	Aluminum
Heat Rise					

VENTILAT	VENTILATION							
	Air Flow (cfm)		Supply Fan	Air Ro	esistance (in.WC)			
Supply	1,299	Nominal Power	0.75hp	Total	0.71			
Outdoor	200	Drive Type	ECM Multi Speed Constant Torque	Ext Supply	0.50			
		Speed	Medium-Low	Wet Coil	0.21			
		Orientation	Upflow/Horizontal					

ELECTRICAL							
Con	denser		Furnace				
Voltage	480 Volt 3 Phase / 60Hz	Voltage	120V / 1Ph / 60Hz				
MCA	8 amp	MCA	LESS THAN 12 amp				
MOCP	10 amp	MOCP	15 amp				
Condenser Oper Range-Nom Volt	+/- 10%						
Oper Range-Nom Volt	+/- 10%						

ADDITIONA	L DATA				
	Condenser		Furnace		Evaporator Coil
Dimensions	28.25 in. x 28.25 in. x 37.25 in.	Dimensions	28.75 in. x 21.00 in. x 33.00 in.	Dimensions	31.50 in. x 21.50 in. x 21.00 in.
Total Weight	218 lb	Total Weight	152 lb	Total Weight	70 lb

Project Name: Lakewood StoragePageQuote: 28189016 of 29



Tag: F-7:9, CU-7:9

Field Installed Accessories

Catalog Number	Qty	Description	
17G74	3	CS7500 Comm'l Programmable T-stat w/ FDD Field Installed	
93G35	3	Freezestat 3/8 Field Installed	
34M72	3	ow Ambient Control (30 Deg) Fan Cycling Field Installed	
87L97	3	Air Fltr And Rack Kit Horz (C Width) Field Installed	
60L46	3	3" Concentric Vent Kit Field Installed	
51W10	3	Furnace Horizontal Suspension Kit Field Installed	

Product Features

Cabinet

Heavy gauge galvanized steel cabinet Non-corrosive drain pan Fully Insulated heavy gauge steel cabinet Heavy Gauge Cold Rolled Steel Cabinet

Cooling System

Non Chlorine, Ozone Friendly Refrigerant, R410A
RFC IV Metering Device furnished (easily removed for expansion valve use)
High Pressure Switch (Manual Reset)
Scroll Compressor
Quantum Coil / Fortified aluminum allow tube/enhanced fin coil
Hi-Capacity Drier factory installed in liquid line
Low Pressure Switch

Twin Coils assembled in an "A" configuration Check and Expansion Valve is factory installed

Heating System

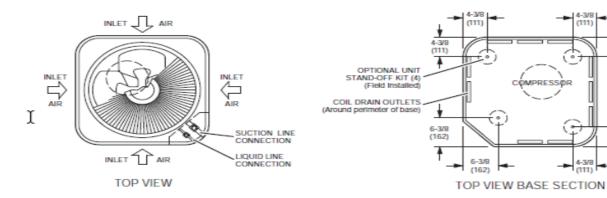
Aluminized Steel Inshot Burners Aluminized Steel Tubular Heat Exchanger SureLight(R) Hot Surface Ignition

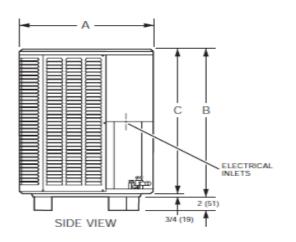
Warranty

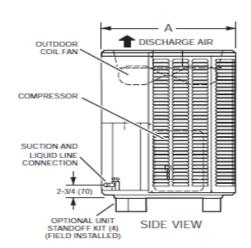
Condenser Limited compressor warranty of 5 years for Residential Installations
Condenser See Limited Warranty Certificate included with unit for details
Condenser Limited compressor warranty of 5 years for Non-Residential Installations
Coil See Limited Warranty Certificate included with unit for details
Coil Limited warranty on all other covered components of 1 year (Comm Use)
Furnace See Limited Warranty Certificate included with unit for details
Furnace Limited warranty on heat exchanger of 20 years
Furnace Limited warranty on all other covered components of 1 year (Comm Use)
Furnace Limited warranty on Surelight ignition control system of 1 Year (Comm Use)



4-3/8 (111)



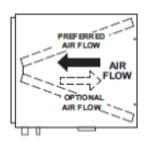




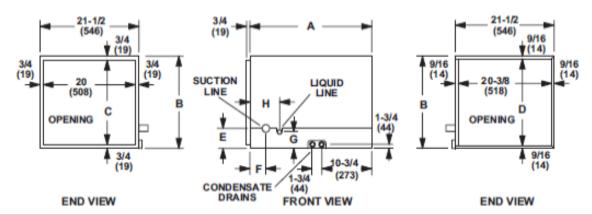
	1	A		3	С		
Model	inches	mm	inches	mm	inches	mm	
018	24-1/4	616	29-1/4	743	28-1/2	724	
024	28-1/4	718	29-1/4	743	28-1/2	724	
030	28-1/4	718	37-1/4	946	36-1/2	927	
036	28-1/4	718	33-1/4	845	32-1/2	826	
041	28-1/4	718	37-1/4	946	36-1/2	927	
042	28-1/4	718	37-1/4	946	36-1/2	927	
047	32-1/4	817	33-1/4	845	32-1/2	826	
048	28-1/4	718	37-1/4	946	36-1/2	927	
059	32-1/4	817	43-1/4	1099	42-1/2	1080	
060	32-1/4	817	43-1/4	1099	42-1/2	1080	



 Optional right-hand airflow requires a field fabricated 6 in. (152 mm) spacer in-between the furnace and coil.



TOP VIEW



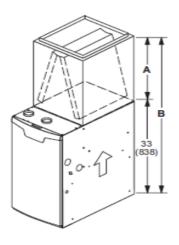
Model No.	Α		В		С		D		E		F		0	;	Н	
Model No.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CHX35-18A-6F	26-1/2	673	14-1/2	368	13	330	13-3/8	340	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-24A-6F	26-1/2	673	14-1/2	368	13	330	13-3/8	340	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-24B-6F	26-1/2	673	17-1/2	444	16	406	16-3/8	416	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-30A-6F	31-1/2	800	14-1/2	368	13	330	13-3/8	340	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-30B-6F	26-1/2	673	17-1/2	444	16	406	16-3/8	416	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-36A-6F	26-1/2	673	14-1/2	368	13	330	13-3/8	340	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-36B-6F	26-1/2	673	17-1/2	444	16	406	16-3/8	416	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-36C-6F	26-1/2	673	21	533	19-1/2	495	19-7/8	505	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-42B-6F	31-1/2	800	17-1/2	444	16	406	16-3/8	416	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-42C-6F	26-1/2	673	21	533	19-1/2	495	19-7/8	505	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-48B-6F	31-1/2	800	17-1/2	444	16	406	16-3/8	416	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-48C-6F	26-1/2	673	21	533	19-1/2	495	19-7/8	505	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-51/61C-6F	31-1/2	800	21	533	19-1/2	495	19-7/8	505	4	102	2-1/8	54	3	76	4-7/8	124
CHX35-60D-6F	31-1/2	800	24-1/2	622	23	584	23-3/8	594	4	102	2-1/8	54	3	76	4-7/8	124

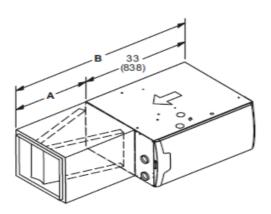


DIMENSIONS - FURNACE/COIL COMBINED DIMENSIONS

UPFLOW POSITION

			CX35 sed		C35 Uncased				
Model Number	-		E	3	-		В		
	in.	mm	in.	mm	in.	mm	in.	mm	
C35/CX35-18/24B	16-1/2	419	49-1/2	1257	14-1/8	359	47-1/8	1197	
C35/CX35-24B	18-1/2	470	51-1/2	1308	16-3/8	416	49-3/8	1254	
C35/CX35-30B	22-1/2	572	55-1/2	1410	20-3/4	527	53-3/4	1365	
C35/CX35-30/36B C35/CX35-30/36C	24-1/2	622	57-1/2	1461	22-1/4	565	55-1/4	1403	
C35/CX35-36B	24-1/2	622	57-1/2	1461	22-3/8	568	55-3/8	1407	
C35/CX35-48B C35/CX35-48C	27-1/2	699	60-1/2	1537	26-1/4	667	59-1/4	1505	
C35/CX35-49C	29-1/2	749	62-1/2	1588	28-1/2	724	61-1/2	1562	
C35/CX35-50/60C	27-1/2	699	60-1/2	1537	25-7/8	657	58-7/8	1495	
C35/CX35-60C	31-1/2	800	64-1/2	1638	30-5/8	778	63-5/8	1616	
C35/CX35-60D	29-1/2	749	62-1/2	1588	28	711	61	1549	



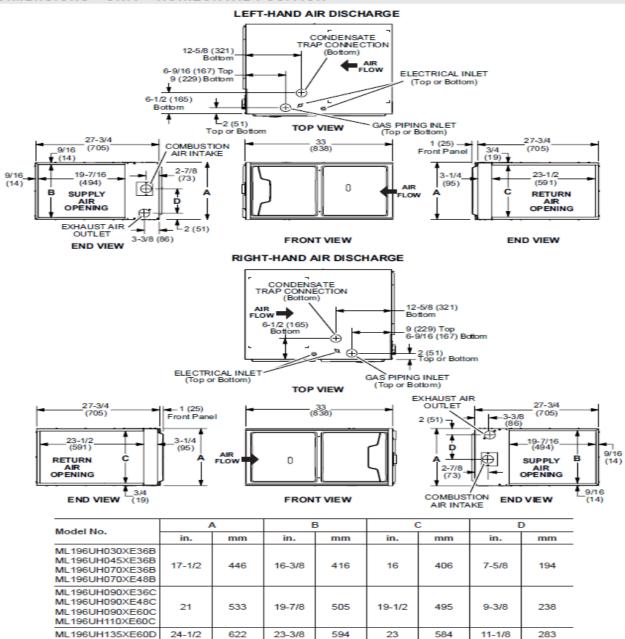


HORIZONTAL POSITION

Model		CH35/CHX35							
Number		A	В						
Number	in.	mm	in.	mm					
CH35/CHX35-24B CH35/CHX35-30B CH35/CHX35-36B CH35/CHX35-36C CH35/CHX35-42C CH35/CHX35-42C	26-1/2	673	59-1/2	1511					
CH35/CHX35-42B CH35/CHX35-48B CH35/CHX35-51C CH35/CHX35-60D	31-1/2	880	64-1/2	1638					



DIMENSIONS - UNIT - HORIZONTAL POSITION









ComfortSense®

4 Heat / 2 Cool Universal Multi-Stage



Tag: UH-1
Unit Heater / Duct Furnace: LF25-105A

Unit Heater / Duct F	urnace		
Voltage	V / 1Ph	Dimensions	29.00 in. x 28.88 in. x 23.00 in.
Unit Type	UNIT	Total Weight	120 lb
Heat Size	105K	Thermal Efficiency	83.0%
Output	87.7 MBH	Gas Line Size	0.5 in.
Input	105.0 MBH		



Tag: UH-1

Field Installed Accessories

Catalog Number	Qty	Description
51M32	1	LN COMFORTSENSE 3000 L3011C Tstat Field Installed

Product Features

Cabinet

Burner Assembly is removable from the unit as a single component

Heating System

Aluminized Steel Tubular Heat Exchanger Solid State Electronic Direct Spark Ignition Control. Spark is intermittent and occurs only when required. Aluminized Steel Inshot Burners

Warranty

Furnace See Limited Warranty Certificate included with unit for details
Furnace Limited warranty on aluminized heat exchanger of 10 years
Furnace Limited warranty on solid-state ignition modules of 3 years
Furnace Limited warranty on all other covered components of 1 year (Comm Use)





DIGITAL NON-PROGRAMMABLE THERMOSTATS



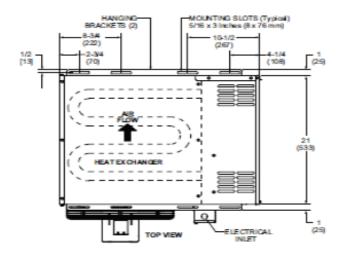
- One-Stage Heating / Cooling Conventional Systems
- Intuitive Interface
- Automatic Changeover
- Backlit Display
- Simple Up and Down Temperature Control.

ΪĒ

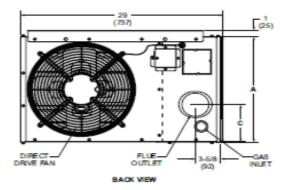


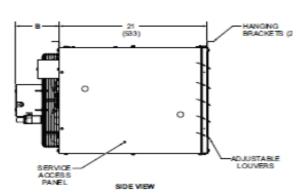
SPECIFICATIONS								
Gas Heating Performance	Model No.	LF25-030A	LF25-045A	LF25-060A	LF25-075A	LF25-090A	LF25-105A	
	Heating Capacity Input Btuh	30,000	45,000	60,000	75,000	90,000	105,000	
Heating Capacity Output Btuh - Natural		25,020	37,665	50,220	62,550	75,420	87,675	
Steady State Efficiency - Natural		83.4%	83.7%	83.7%	83.4%	83.8%	83.5%	
Temperature rise - °F		37	52	47	65	43	59	
Connections	Flue size (round)	4	4	4	4	4	4	
in.	Gas Piping Size - in.	1/2	1/2	1/2	1/2	1/2	1/2	
Fan Data	Number of fans	1	1	1	1	1	1	
	Fan Diameter - in.	10	10	14	14	16	16	
Number of blades Motor Output - hp rpm Air Volume - cfm		4	4	4	4	4	4	
		1/25	1/25	1/15	1/15	1/10	1/10	
		1550	1550	1075	1075	1075	1075	
		625	665	1000	1200	1600	1500	
Air throw at 8 ft. mounting height - ft.		27	29	34	41	46	43	
Weight Data	Net Weight - lbs. (kg)	55 (25)	60 (27)	85 (89)	90 (41)	115 (52)	120 (54)	
	Shipping Weight - lbs. (kg)	60 (27)	65 (29)	90 (41)	95 (43)	120 (54)	125 (57)	
ELECTRIC	CAL DATA							
	Voltage	115 volts - 60 hertz - 1 phase						
Fan motor full load amps		2.0	2.0	2.0	2.0	2.0	3.0	
Maximum overcurrent protection		15	15	15	15	15	15	











Model	Α		E	3	С	
No.	in.	mm	in.	mm	in.	mm
LF25-030A LF25-045A	12-3/8	314	6-1/2	165	3-7/8	98
LF25-060A LF25-075A	17-1/2	445	6-1/4	159	6-1/8	156
LF25-090A LF25-105A	23	584	7-7/8	200	9-1/8	232







1 Heat / 1 Cool Single Stage 2 Heat / 1 Cool Multi-Stage or Heat Pump



Tag: Miscellaneous Items

Miscellaneous Items

Tag	Catalog Number	Qty	Description
D-1			
	Y6455	1	H/C HCWHD3-130 Whole Home Dehumidifier