



Heating and Air Conditioning

SUBMITTAL SET

LX ULTRA

**COMMERCIAL GEOTHERMAL/
WATER SOURCE HEAT PUMPS
SINGLE CAPACITY**

MODELS:

YGS009 - 070

(.75 THRU 6 NOMINAL TONS)



Due to continuous product improvement, specifications are subject to change without notice.

Visit us on the web at www.yorkgeothermal.com

Additional rating information can found at www.ahridirectory.org

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Contractor: _____ P.O.: _____

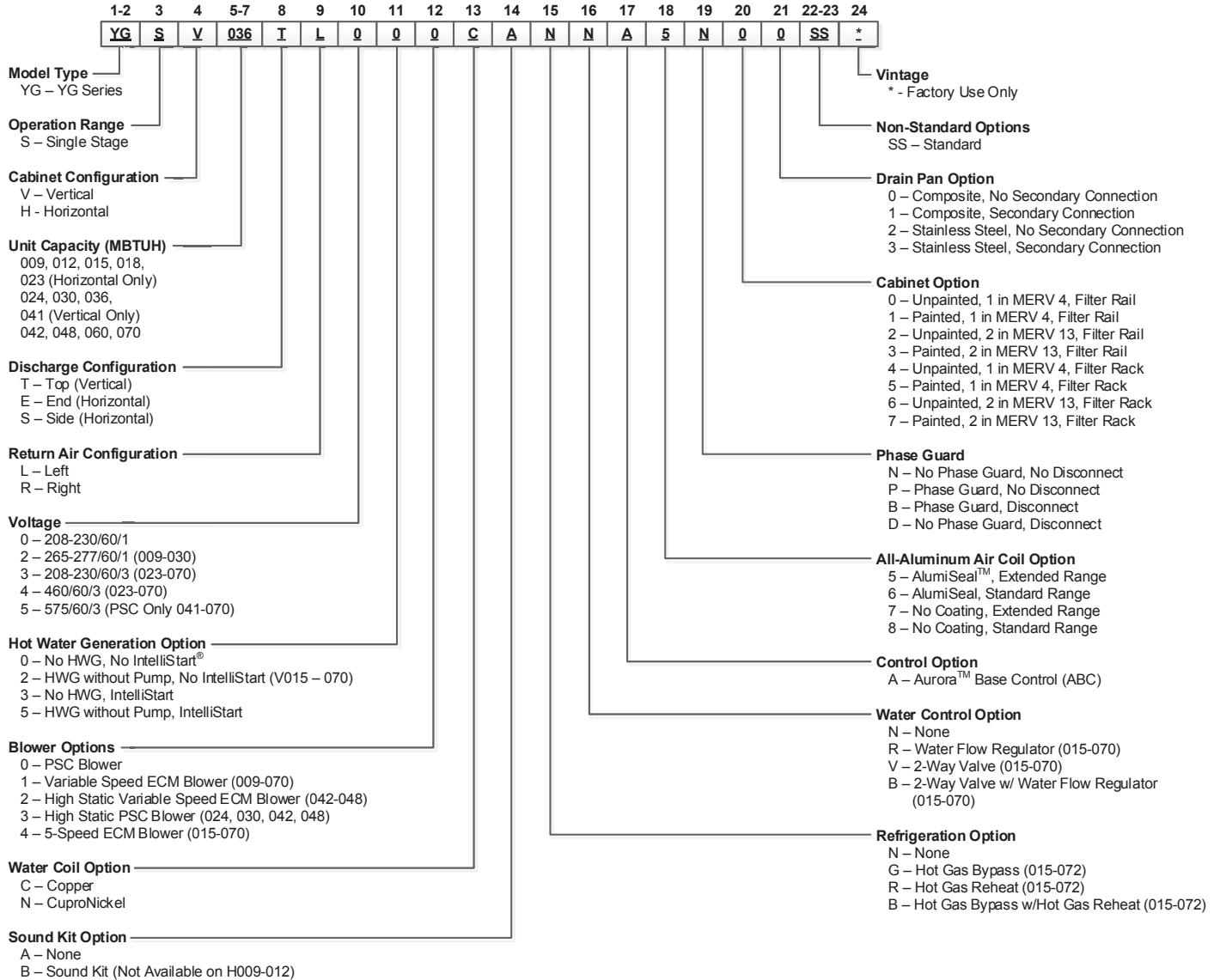
Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Model Nomenclature



Note: Phase Guard Only Available on 208-230/60/3 and 460/60/3
50VA Transformer with Aurora

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



AHRI Data

PSC Motors
 AHRI/ASHRAE/ISO 13256-1
 English (IP) Units

Model	Flow Rate		Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
			Cooling EWT 86°F		Heating EWT 68°F		Cooling EWT 59°F		Heating EWT 50°F		Cooling EWT 77°F		Heating EWT 32°F	
	gpm	cfm	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP
009	3.0	350	8,500	12.2	11,500	4.4	10,500	18.2	9,600	3.7	9,100	13.5	7,600	3.0
012	3.5	400	10,900	12.7	14,700	4.4	12,500	18.2	12,000	3.8	11,500	14.7	9,600	3.2
015	4.0	500	14,000	15.0	16,500	4.8	16,000	24.0	15,000	4.1	14,700	17.2	11,500	3.5
018	5.0	600	17,600	14.6	21,000	4.7	20,600	23.5	17,500	4.0	18,500	17.0	13,700	3.5
023	6.0	800	23,000	14.5	26,000	4.5	25,400	22.5	21,900	3.9	23,900	16.8	17,000	3.4
024	6.0	800	23,900	14.6	27,000	4.7	26,400	22.8	22,300	4.0	24,400	17.0	17,500	3.5
030	8.0	1000	29,500	14.9	34,600	4.8	32,900	23.0	28,300	4.0	29,000	17.0	22,800	3.5
036	9.0	1150	33,300	14.4	40,600	4.5	37,700	21.2	33,000	3.9	34,500	16.6	26,000	3.3
041	11.0	1300	40,000	13.8	45,000	4.3	44,500	20.6	36,000	3.8	41,000	15.8	29,000	3.3
042	11.0	1400	40,800	14.5	45,400	4.5	45,800	22.0	37,000	3.8	42,300	16.8	29,900	3.3
048	12.0	1600	47,700	14.7	56,000	4.4	52,000	21.0	45,900	3.8	49,500	16.8	36,900	3.3
060	15.0	1900	58,400	14.7	72,500	4.4	65,500	20.8	58,400	3.8	60,900	16.6	47,100	3.3
070	18.0	2100	63,000	14.2	79,000	4.4	70,000	20.3	64,100	3.8	68,500	15.2	51,600	3.3

5/25/16

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature
 Heating capacities based upon 68°F DB, 59°F WB entering air temperature
 All ratings based upon 208V operation

Variable Speed ECM, or 5-Speed ECM Motor

AHRI/ASHRAE/ISO 13256-1
 English (IP) Units

Model	Flow Rate		Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
			Cooling EWT 86°F		Heating EWT 68°F		Cooling EWT 59°F		Heating EWT 50°F		Cooling EWT 77°F		Heating EWT 32°F	
	gpm	cfm	Capacity Btu/h	EER Btu/h/W	Capacity Btu/h	COP	Capacity Btu/h	EER Btu/h/W	Capacity Btu/h	COP	Capacity Btu/h	EER Btu/h/W	Capacity Btu/h	COP
015	4.0	500	14,000	15.3	16,500	4.9	16,000	24.3	15,000	4.4	14,700	17.5	11,500	3.7
018	5.0	600	17,600	15.2	21,000	4.8	20,600	24.0	17,500	4.4	18,500	17.5	13,700	3.7
023	6.0	800	23,000	15.0	26,000	4.7	25,400	23.0	21,900	4.3	23,900	17.0	17,000	3.6
024	6.0	800	23,900	15.1	27,000	5.0	26,400	23.4	22,300	4.5	24,400	17.5	17,500	3.8
030	8.0	900	29,500	15.7	34,600	5.1	32,900	23.9	28,300	4.4	29,000	18.3	22,800	3.8
036	9.0	1150	33,300	15.0	40,600	4.8	37,700	23.0	33,000	4.3	34,500	17.3	26,000	3.5
041	11.0	1300	40,000	14.5	45,000	4.5	44,500	22.0	36,000	4.0	41,000	16.5	29,000	3.4
042	11.0	1400	40,800	15.6	45,400	5.0	45,800	23.5	37,000	4.3	42,300	18.5	29,900	3.7
048	12.0	1600	47,700	15.5	56,000	4.8	52,000	23.4	45,900	4.2	49,500	18.1	36,900	3.6
060	15.0	1900	58,400	15.3	72,500	4.7	65,500	23.0	58,400	4.0	60,900	17.9	47,100	3.6
070	18.0	2100	63,000	14.3	79,000	4.7	70,000	21.0	64,100	4.0	68,500	16.1	51,600	3.5

12/6/10

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature
 Heating capacities based upon 68°F DB, 59°F WB entering air temperature
 All ratings based upon 208V operation



All LX Ultra Series product is safety listed under UL1995 thru ETL and performance listed with AHRI in accordance with standard 13256-1.

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Contractor: _____ P.O.: _____

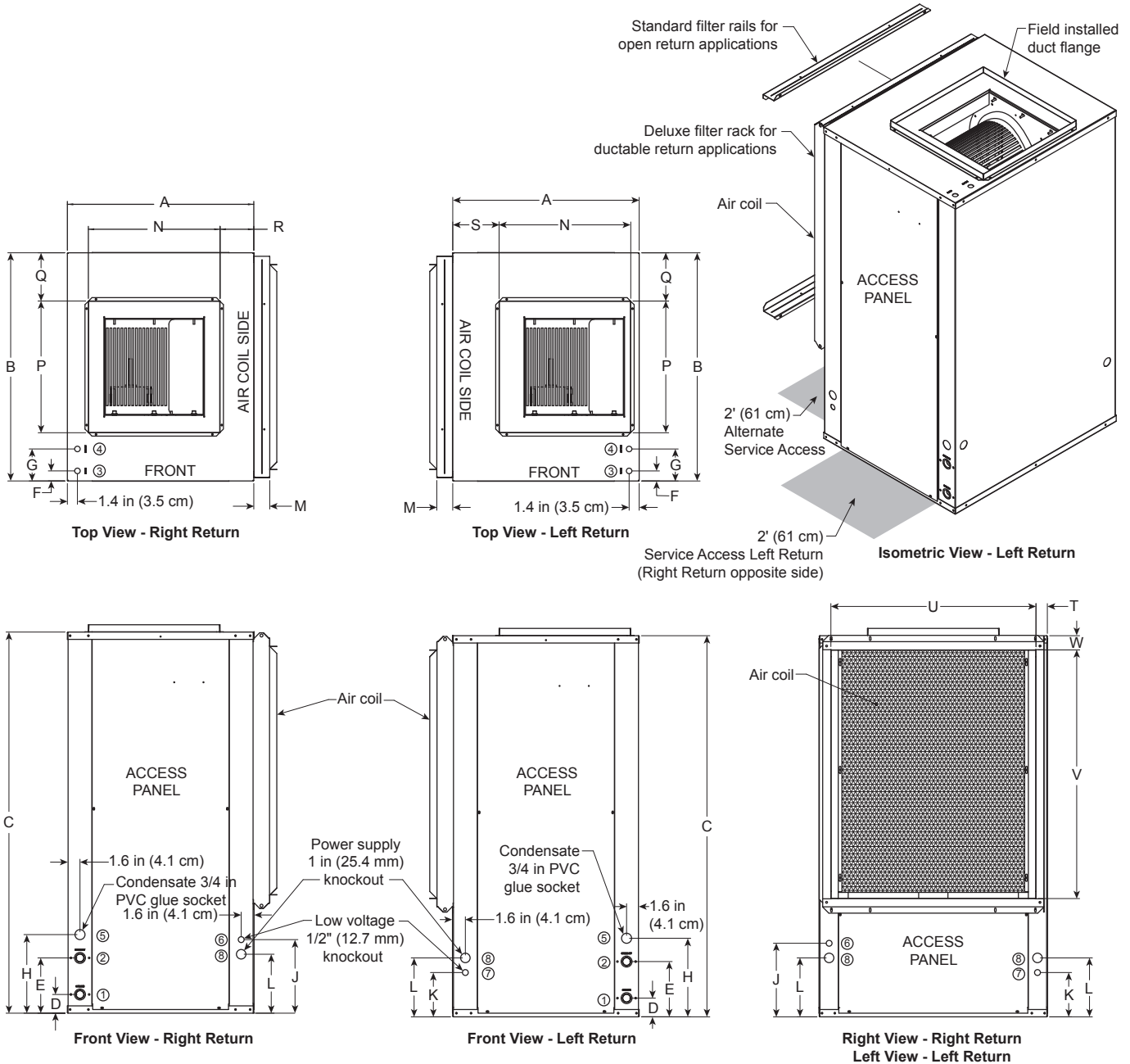
Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Vertical Dimensional Data



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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Vertical Dimensional Data cont.

Vertical Models	Overall Cabinet			Water Connections							Electrical Knockouts			
	A	B	C	1	2	3	4	5	Loop	Knock-out	6	7	8	
	Width	Depth	Height**	In	Out	HWG In	HWG Out	Condensate			Water FPT	HWG Provisions	1/2 in. cond	1/2 in. cond
009-012	in.	22.5	22.2	23.7	2.6	5.6	N/A	N/A	8.8	1/2	N/A	7.4	3.4	5.4
	cm.	57.2	56.4	60.2	6.6	14.2	N/A	N/A	22.4	12.7 mm	N/A	18.8	8.6	13.7
015-018	in.	22.5	22.2	36.2	2.6	7.6	1.4	2.9	10.8	3/4	0.875	9.4	5.4	7.4
	cm.	57.2	56.4	91.9	6.6	19.3	3.6	7.4	27.4	19.1 mm	22.2 mm	23.9	13.7	18.8
024-030	in.	22.5	26.2	40.2	2.6	7.6	1.4	4.4	10.8	3/4	0.875	10.1	6.1	8.1
	cm.	57.2	66.5	102.1	6.6	19.3	3.6	11.2	27.4	19.1 mm	22.2 mm	25.7	15.5	20.6
036	in.	22.5	26.2	44.2	2.6	7.6	1.4	4.4	10.8	3/4	0.875	10.1	6.1	8.1
	cm.	57.2	66.5	112.3	6.6	19.3	3.6	11.2	27.4	19.1 mm	22.2 mm	25.7	15.5	20.6
041	in.	22.5	26.2	44.2	2.6	7.6	1.4	2.9	10.8	3/4	0.875	10.1	6.1	8.1
	cm.	57.2	66.5	112.3	6.6	19.3	3.6	7.4	27.4	19.1 mm	22.2 mm	25.7	15.5	20.6
042-048	in.	25.5	31.2	44.2	2.6	7.6	1.4	4.4	10.8	1	0.875	10.1	6.1	8.1
	cm.	64.8	79.2	112.3	6.6	19.3	3.6	11.2	27.4	25.4 mm	22.2 mm	25.7	15.5	20.6
060	in.	25.5	31.2	48.2	2.6	7.6	1.4	4.4	10.8	1	0.875	10.1	6.1	8.1
	cm.	64.8	79.2	122.4	6.6	19.3	3.6	11.2	27.4	25.4 mm	22.2 mm	25.7	15.5	20.6
070	in.	25.5	31.2	52.2	2.6	7.6	1.4	4.4	10.8	1	0.875	10.1	6.1	8.1
	cm.	64.8	79.2	132.6	6.6	19.3	3.6	11.2	27.4	25.4 mm	22.2 mm	25.7	15.5	20.6

Vertical Models	Discharge Connection duct flange installed (±0.10 in)						Return Connection* using deluxe filter rack (±0.10 in)				
	M	N	P	Q	R	S	T	U	V	W	
	Filter Rack Width	Supply Width	Supply Depth					Return Depth	Return Height		
009-012	in.	2.2	10.0	10.0	6.1	9.4	9.4	2.1	18.1	10.0	1.9
	cm.	5.6	25.4	25.4	15.5	23.9	23.9	5.3	46.0	25.4	4.8
015-018	in.	2.2	14.0	14.0	4.1	4.3	7.7	2.1	18.1	20.0	1.9
	cm.	5.6	35.6	35.6	10.4	10.9	19.6	5.3	46.0	50.8	4.8
024-030	in.	2.2	14.0	14.0	6.1	4.5	7.7	2.1	22.1	22.1	1.9
	cm.	5.6	35.6	35.6	15.5	11.4	19.6	5.3	56.1	56.1	4.8
036	in.	2.2	14.0	14.0	6.1	4.5	7.7	2.1	22.1	26.1	1.9
	cm.	5.6	35.6	35.6	15.5	11.4	19.6	5.3	56.1	66.3	4.8
041	in.	2.2	18.0	18.0	4.1	3.9	3.9	2.1	22.1	26.1	1.9
	cm.	5.6	45.7	45.7	10.4	9.9	9.9	5.3	56.1	66.3	4.8
042-048	in.	2.2	18.0	18.0	6.6	4.6	6.3	1.6	28.1	26.0	2.0
	cm.	5.6	45.7	45.7	16.8	11.7	16.0	4.1	71.4	66.0	5.1
060	in.	2.2	18.0	18.0	6.6	4.6	6.3	1.6	28.1	30.0	2.0
	cm.	5.6	45.7	45.7	16.8	11.7	16.0	4.1	71.4	76.2	5.1
070	in.	2.2	18.0	18.0	6.6	4.6	6.3	1.6	28.1	34.0	2.0
	cm.	5.6	45.7	45.7	16.8	11.7	16.0	4.1	71.4	86.4	5.1

Condensate is 3/4 in. PVC female glue socket and is switchable from side to front.

*Dimensions for return connections are for the deluxe filter rack that is suitable for ducted return applications and extends 3.25 in. [8.26 cm] from the unit. The open filter rack, used in non-ducted returns, extends 2.2 in. [5.59 cm] from the unit.

**Discharge flange is field installed and extends 1 in. (25.4 mm) from top of cabinet.

11/10/09

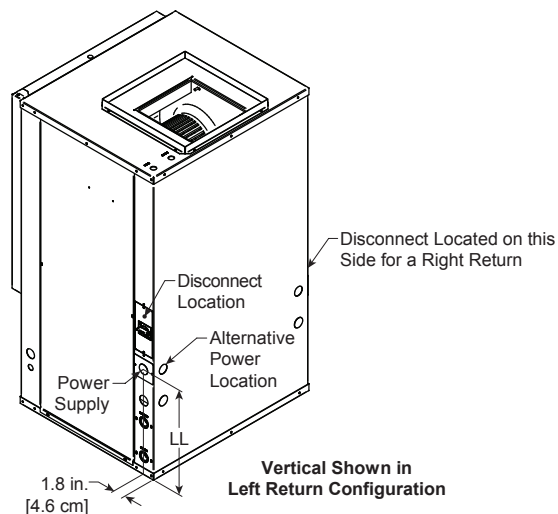
Vertical Disconnect

When using disconnect, do not use dimension L from the standard vertical dimensional data. Use dimension LL from the vertical disconnect dimensional data.

Vertical Models	LL
009-012	Externally Mounted
015-018	18.8 [47.8]
024-030	14.3 [36.3]
036	15.3 [38.9]
042-048	14.3 [36.3]
060	14.3 [36.3]
070	14.3 [36.3]

Dimensions in inches [cm]

02/06/13



Vertical Shown in Left Return Configuration

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Contractor: _____ P.O.: _____

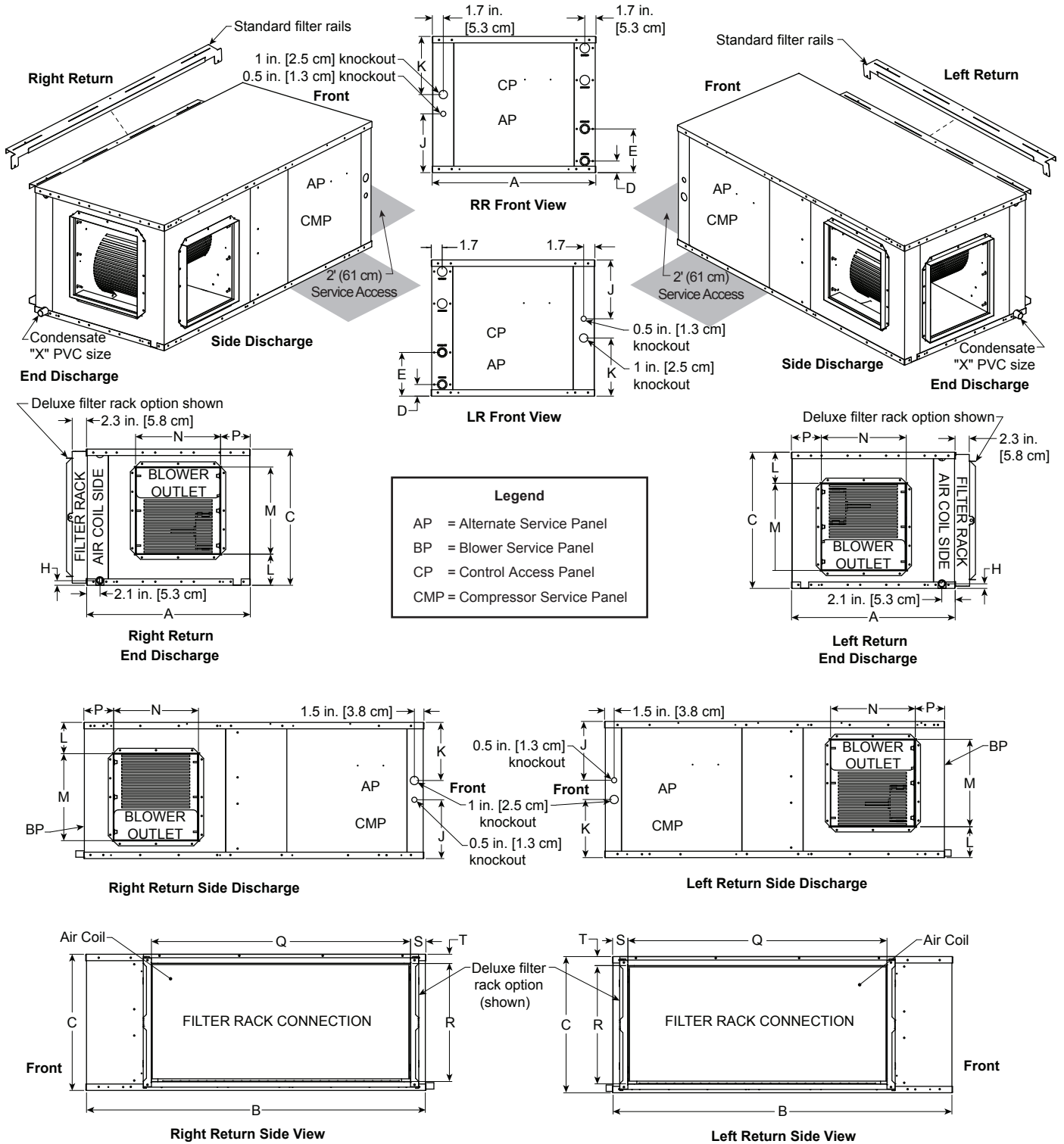
Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Horizontal Dimensional Data



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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Horizontal Dimensional Data cont.

Horizontal Models	Overall Cabinet			Water Connections				Electrical Knockouts		
	A	B	C	1	2	3	Loop	J	K	
	Width	Depth	Height*	D	E	H	Water FPT	1/2 in. cond	1 in. cond	
009-012	in.	19.2	30.9	11.9	1.8	4.8	0.8	1/2	4.5	4.5
	cm.	48.8	78.5	30.2	4.6	12.2	2.0	12.7 mm	11.4	11.4
015-023	in.	22.5	42.0	17.2	1.8	6.8	0.8	3/4	7.1	7.1
	cm.	57.2	106.7	43.7	4.6	17.3	2.0	19.05 mm	18.0	18.0
024-030	in.	22.5	42.0	19.2	1.8	6.8	0.8	3/4	9.2	7.1
	cm.	57.2	106.7	48.8	4.6	17.3	2.0	19.05 mm	23.4	18.0
036	in.	22.5	45.0	19.2	1.8	6.8	0.8	3/4	9.2	7.1
	cm.	57.2	114.3	48.8	4.6	17.3	2.0	19.05 mm	23.4	18.0
042-048	in.	25.5	48.0	21.2	1.8	6.8	0.8	1	9.2	9.1
	cm.	64.8	121.9	53.8	4.6	17.3	2.0	25.4 mm	23.4	23.1
060	in.	25.5	53.0	21.2	1.8	6.8	0.8	1	9.2	9.1
	cm.	64.8	134.6	53.8	4.6	17.3	2.0	25.4 mm	23.4	23.1
070	in.	25.5	61.0	21.2	1.8	6.8	0.8	1	9.2	9.1
	cm.	64.8	154.9	53.8	4.6	17.3	2.0	25.4 mm	23.4	23.1

Horizontal Models	Discharge Connection duct flange installed (±0.10 in)				Return Connection* using deluxe filter rack option (±0.10 in)				PVC Size	
	L	M	N	P	Q	R	S	T	X	
		Supply Width	Supply Depth		Return Depth	Return Height				
009-012	in.	2.3	8.0	10.0	2.3	15.4	9.4	3.0	1.4	1/2
	cm.	5.8	20.3	25.4	5.8	39.1	23.9	7.6	3.6	1.3
015-023	in.	5.7	10.5	9.4	4.9	23.4	14.5	2.0	1.4	3/4
	cm.	14.5	26.7	23.9	12.4	59.4	36.8	5.1	3.6	1.9
024-030	in.	6.7	10.5	9.4	4.9	27.4	16.4	2.0	1.5	3/4
	cm.	17.0	26.7	23.9	12.4	69.6	41.7	5.1	3.8	1.9
036	in.	6.7	10.5	9.4	4.9	30.4	16.4	2.1	1.5	3/4
	cm.	17.0	26.7	23.9	12.4	77.2	41.7	5.3	3.8	1.9
042-048	in.	4.9	13.6	13.2	4.6	35.4	18.6	2.4	1.5	3/4
	cm.	12.4	34.5	33.5	11.7	89.9	47.2	6.1	3.8	1.9
060	in.	4.9	13.6	13.2	4.6	40.4	18.4	2.4	1.5	3/4
	cm.	12.4	34.5	33.5	11.7	102.6	46.7	6.1	3.8	1.9
070	in.	4.9	13.6	13.2	4.6	45.6	18.6	2.3	1.5	3/4
	cm.	12.4	34.5	33.5	11.7	115.8	47.2	5.8	3.8	1.9

*Dimensions for return connections are for the deluxe filter rack that is suitable for ducted return applications and extends 3.25 in. [8.26 cm] from the unit. The open filter rack, used in non-ducted returns, extends 2.2 in. [5.59 cm] from the unit.
 Condensate 3/4 in. PVC stub extends from cabinet approximately 1-1/2 in. [38.1 mm]

10/29/13

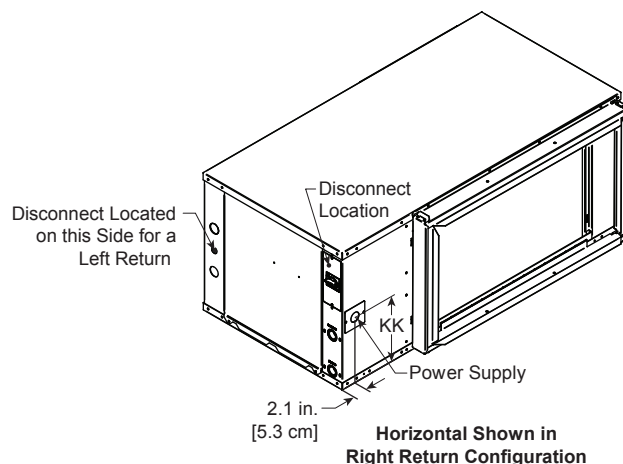
Horizontal Disconnect

When using disconnect, do not use dimension K from the standard horizontal dimensional data. Use dimension KK from the horizontal disconnect dimensional data.

Horizontal Models	KK
009-012	Externally Mounted
015-018	8.2 [20.8]
024-030	9.2 [23.4]
036	9.2 [23.4]
042-048	11.2 [28.4]
060	10.2 [25.9]
070	11.2 [28.4]

Dimensions in inches [cm]

02/06/13



Horizontal Shown in Right Return Configuration

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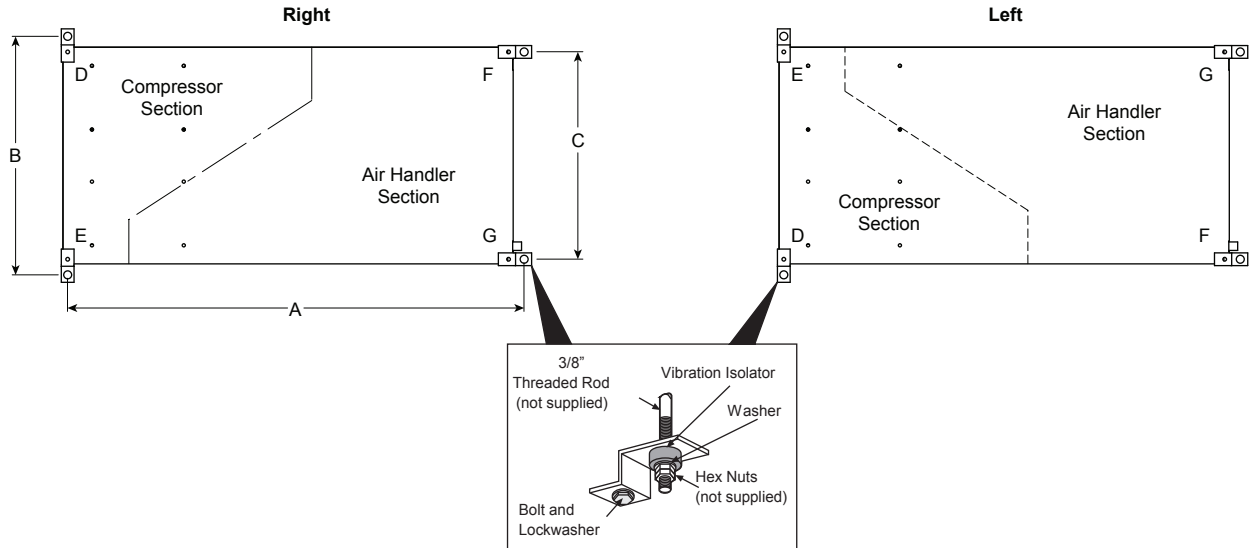
Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Hanger Bracket Locations



Hanger Dimensions

Model	Hanger Kit Part Number	Unit Hanger Dimensions			
		A	B	C	
009-012	99S500A04	in.	31.7	21.8	18.1
		cm	[80.5]	[55.4]	[46.0]
015-023	99S500A04	in.	42.8	25.1	21.4
		cm	[108.6]	[63.8]	[54.4]
024-030	99S500A04	in.	42.8	25.1	21.4
		cm	[108.7]	[63.8]	[54.4]
036	99S500A04	in.	45.8	25.1	21.4
		cm	[116.3]	[63.8]	[54.4]
042-048	99S500A04	in.	48.8	28.1	24.4
		cm	[124.0]	[71.4]	[62.0]
060	99S500A04	in.	53.8	28.1	24.4
		cm	[136.7]	[71.4]	[62.0]
070	99S500A04	in.	61.8	28.1	24.4
		cm	[157.0]	[71.4]	[62.0]

10/29/13

Weight Distribution

Model	Vertical Shipping Weight	Horizontal Shipping Weight	Horizontal Weight Distribution				
			Front		Back		
			D	E	F	G	
009	lb.	110	46	23	26	25	
	kg	[50]	[54]	[21]	[11]	[12]	[11]
012	lb.	115	125	48	24	27	26
	kg	[52]	[57]	[22]	[11]	[12]	[12]
015	lb.	165	175	67	34	37	36
	kg	[75]	[79]	[31]	[15]	[17]	[17]
018	lb.	170	180	69	35	38	38
	kg	[77]	[82]	[31]	[16]	[17]	[17]
023	lb.	na	185	71	36	39	39
	kg	na	[84]	[32]	[16]	[18]	[17]
024	lb.	230	245	94	47	52	51
	kg	[104]	[111]	[43]	[22]	[24]	[23]
030	lb.	240	255	98	49	54	53
	kg	[109]	[116]	[44]	[22]	[25]	[24]
036	lb.	265	285	110	55	61	59
	kg	[120]	[129]	[50]	[25]	[28]	[27]
041	lb.	275	na	na	na	na	na
	kg	[125]	na	na	na	na	na
042	lb.	285	300	115	58	64	63
	kg	[129]	[136]	[52]	[26]	[29]	[28]
048	lb.	290	310	119	60	66	65
	kg	[132]	[141]	[54]	[27]	[30]	[29]
060	lb.	335	360	138	70	77	75
	kg	[152]	[163]	[63]	[32]	[35]	[34]
070	lb.	380	405	156	78	86	84
	kg	[172]	[184]	[71]	[36]	[39]	[38]

11/10/09

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Physical Data

Model		Single Speed												
		009	012	015	018	023	024	030	036	041	042	048	060	070
Compressor (1 each)		Rotary						Scroll						
Factory Charge R-410A, oz [kg] Vertical		26 [0.74]	32 [0.91]	38 [1.08]	40 [1.13]	n/a	46 [1.30]	54 [1.53]	56 [1.59]	54 [1.53]	68 [1.93]	76 [2.15]	88 [2.49]	92 [2.61]
Factory Charge R-410A, oz [kg] Horizontal		24 [0.68]	26 [0.74]	30 [0.85]	32 [0.91]	46 [1.30]	46 [1.30]	56 [1.59]	60 [1.70]	n/a	68 [1.93]	76 [2.15]	88 [2.49]	88 [2.49]
Blower Motor & Blower														
Blower Motor Type/Speeds	VS ECM	Not Available			Variable Speed									
	PSC	4 Speeds			3 Speeds									
	5-Spd ECM	Not Available			5 Speeds									
Blower Motor- hp [W]	VS ECM	Not Available		1/2 [373]	1/2 [373]	1/2 [373]	1/2 [373]	1/2 [373]	1/2 [373]	1/2 [373]	1/2 [373]	1/2 [373]	1 [746]	1 [746]
	PSC	1/10 [75]	1/10 [75]	1/6 [134]	1/6 [134]	1/5 [149]	1/5 [149]	1/3 [249]	1/2 [373]	1/2 [373]	1/2 [373]	1/2 [373]	1 [746]	1 [746]
	5-Spd ECM	Not Available		1/2 [373]	1/2 [373]	1/2 [373]	1/2 [373]	1/2 [373]	1/2 [373]	1/2 [373]	1 [746]	1 [746]	1 [746]	1 [746]
Optional - Oversized Blower Motor - hp [W]	VS ECM	Not Available									1 [746]	1 [746]	Not Available	
	PSC	Not Available					1/3 [249]	1/2 [373]	Not Available		3/4 [560]	3/4 [560]	Not Available	
Blower Wheel Size (Dia x W), in. [mm]	VS ECM	Not Available		9x7 [229 x 178]	9x7 [229 x 178]	9x7 [229 x 178]	9x7 [229 x 178]	9x7 [229 x 178]	9x7 [229 x 178]	10x10 [254 x 254]	11x10 [279 x 254]	11x10 [279 x 254]	11x10 [279 x 254]	11x10 [279 x 254]
	PSC	6x8 [152 x 203]	6x8 [152 x 203]	9x7 [229 x 178]	9x7 [229 x 178]	9x7 [229 x 178]	9x7 [229 x 178]	9x7 [229 x 178]	9x7 [229 x 178]	10x10 [254 x 254]	10x10 [254 x 254]	10x10 [254 x 254]	11x10 [279 x 254]	11x10 [279 x 254]
	5-Spd ECM	Not Available		9x7 [229 x 178]	9x7 [229 x 178]	9x7 [229 x 178]	9x7 [229 x 178]	9x7 [229 x 178]	9x7 [229 x 178]	11x10 [279 x 254]	11x10 [279 x 254]	11x10 [279 x 254]	11x10 [279 x 254]	11x10 [279 x 254]
Coax and Water Piping														
Water Connection Size - FPT - in. [mm]		1/2 [12.7]	1/2 [12.7]	3/4 [19.1]	3/4 [19.1]	3/4 [19.1]	3/4 [19.1]	3/4 [19.1]	3/4 [19.1]	3/4 [19.1]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
HWG Connection Size - FPT - in. [mm] (Vertical Only)		Not Available			1/2 [12.7]	1/2 [12.7]	1/2 [12.7]	1/2 [12.7]	1/2 [12.7]	1/2 [12.7]	1/2 [12.7]	1/2 [12.7]	1/2 [12.7]	1/2 [12.7]
Coax & Piping Water Volume - gal [l]		0.26 [0.98]	0.3 [1.12]	0.4 [1.49]	0.4 [1.49]	0.4 [1.49]	0.4 [1.49]	0.75 [2.83]	0.9 [3.41]	0.9 [3.41]	0.9 [3.41]	1.25 [4.72]	1.5 [5.68]	1.5 [5.68]
Vertical														
Air Coil Dimensions (H x W), in. [mm]		12 x 16 [305 x 406]	12 x 16 [305 x 406]	22 x 16 [559 x 406]	22 x 16 [559 x 406]	n/a	24 x 20 [610 x 508]	24 x 20 [610 x 508]	28 x 20 [711 x 508]	28 x 20 [711 x 508]	28 x 25 [711 x 635]	28 x 25 [711 x 635]	32 x 25 [813 x 635]	36 x 25 [914 x 635]
Air Coil Total Face Area, ft² [m²]		1.3 [0.121]	1.3 [0.121]	2.4 [0.220]	2.4 [0.220]	n/a	3.3 [0.310]	3.3 [0.310]	3.9 [0.362]	3.9 [0.362]	4.9 [0.452]	4.9 [0.452]	5.6 [0.516]	6.3 [0.581]
Air Coil Tube Size, in. [mm]		3/8 [9.5]	3/8 [9.5]	3/8 [9.5]	3/8 [9.5]	n/a	3/8 [9.5]	3/8 [9.5]	3/8 [9.5]	3/8 [9.5]	3/8 [9.5]	3/8 [9.5]	3/8 [9.5]	3/8 [9.5]
Air Coil Number of rows		3	3	3	3	n/a	3	3	3	3	3	3	3	3
Filter Standard - 1 in. [25mm] MERV4 Throwaway, in. [mm]		12 x 20 [305 x 508]	12 x 20 [305 x 508]	22 x 20 [559 x 508]	22 x 20 [559 x 508]	n/a	24 x 24 [610 x 610]	24 x 24 [610 x 610]	28 x 24 [711 x 610]	28 x 24 [711 x 610]	28 x 30 [711 x 762]	28 x 30 [711 x 762]	32 x 30 [813 x 762]	36 x 30 [914 x 762]
Filter Standard - 2 in. [51mm] Pleated MERV13 Throwaway, in. [mm]		12 x 20 [305 x 508]	12 x 20 [305 x 508]	22 x 20 [559 x 508]	22 x 20 [559 x 508]	n/a	24 x 24 [610 x 610]	24 x 24 [610 x 610]	28 x 24 [711 x 610]	28 x 24 [711 x 610]	28 x 30 [711 x 762]	28 x 30 [711 x 762]	32 x 30 [813 x 762]	36 x 30 [914 x 762]
Horizontal														
Air Coil Dimensions (H x W), in. [mm]		10 x 16 [254 x 406]	10 x 16 [254 x 406]	16 x 23 [406 x 584]	16 x 23 [406 x 584]	16 x 23 [406 x 584]	18 x 27 [457 x 686]	18 x 27 [457 x 686]	18 x 30 [457 x 762]	n/a	20 x 35 [508 x 889]	20 x 35 [508 x 889]	20 x 40 [508 x 1016]	20 x 45 [508 x 1143]
Air Coil Total Face Area, ft² [m²]		1.1 [0.103]	1.1 [0.103]	2.6 [0.238]	2.6 [0.238]	2.6 [0.238]	3.4 [0.316]	3.4 [0.316]	3.9 [0.362]	n/a	4.9 [0.452]	4.9 [0.452]	5.6 [0.516]	6.3 [0.581]
Air Coil Tube Size, in. [mm]		3/8 [9.5]	3/8 [9.5]	3/8 [9.5]	3/8 [9.5]	3/8 [9.5]	3/8 [9.5]	3/8 [9.5]	3/8 [9.5]	n/a	3/8 [9.5]	3/8 [9.5]	3/8 [9.5]	3/8 [9.5]
Air Coil Number of rows		3	3	3	3	3	3	3	3	n/a	3	3	3	3
Filter Standard - 1 in. [25mm] MERV 4 Throwaway, in. [mm]		11 x 17 [279 x 432]	11 x 17 [279 x 432]	16 x 25 [406 x 635]	16 x 25 [406 x 635]	16 x 25 [406 x 635]	2 - 18 x 14 [457 x 356]	2 - 18 x 14 [457 x 356]	1 - 18 x 14 [457 x 356] 1 - 18 x 18 [457 x 457]	n/a	2 - 18 x 20 [457 x 508]	2 - 18 x 20 [457 x 508]	1 - 20 x 20 [508 x 508] 1 - 20 x 22 [508 x 559]	1 - 20 x 25 [508 x 635] 1 - 20 x 22 [508 x 559]
Filter Standard - 2 in. [51mm] Pleated MERV 13 Throwaway, in. [mm]		11 x 17 [279 x 432]	11 x 17 [279 x 432]	16 x 25 [406 x 635]	16 x 25 [406 x 635]	16 x 25 [406 x 635]	18 x 29 [457 x 737]	18 x 29 [457 x 737]	18 x 32 [457 x 813]	n/a	20 x 37 [686 x 940]	20 x 37 [686 x 940]	1 - 20 x 20 [508 x 508] 1 - 20 x 22 [508 x 559]	1 - 20 x 25 [508 x 635] 1 - 20 x 22 [508 x 559]

10/23/13

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Electrical Availability

PSC

Voltage	Static Option	Single Speed Models												
		009	012	015	018	023	024	030	036	041	042	048	060	070
208-230/60/1	Standard	*	*	*	*	*	*	*	*	*	*	*	*	*
208-230/60/1 w/IntelliStart					*	*	*	*	*	*	*	*	*	*
265-277/60/1		*	*	*	*	*	*	*	*					
208-230/60/3 (also w/IntelliStart)						*	*	*	*	*	*	*	*	*
460/60/3 (also w/IntelliStart)						*	*	*	*	*	*	*	*	*
575/60/3										*	*	*	*	*
208-230/60/1	High						*	*		*	*			
208-230/60/1 w/IntelliStart							*	*		*	*			
265-277/60/1							*	*						
208-230/60/3 (also w/IntelliStart)							*	*		*	*			
460/60/3 (also w/IntelliStart)							*	*		*	*			
575/60/3										*	*			

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Variable Speed ECM

Voltage	Static Option	Single Speed Models												
		009	012	015	018	023	024	030	036	041	042	048	060	070
208-230/60/1	Standard			*	*	*	*	*	*	*	*	*	*	*
208-230/60/1 w/IntelliStart					*	*	*	*	*	*	*	*	*	*
265-277/60/1		*	*	*	*	*	*	*	*					
208-230/60/3 (also w/IntelliStart)						*	*	*	*	*	*	*	*	*
460/60/3 (also w/IntelliStart)						*	*	*	*	*	*	*	*	*
575/60/3														
208-230/60/1	High									*	*			
208-230/60/1 w/IntelliStart										*	*			
265-277/60/1														
208-230/60/3 (also w/IntelliStart)										*	*			
460/60/3 (also w/IntelliStart)										*	*			
575/60/3														

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5-Speed ECM

Voltage	Static Option	Single Speed Models												
		009	012	015	018	023	024	030	036	041	042	048	060	070
208-230/60/1	Standard			*	*	*	*	*	*	*	*	*	*	*
208-230/60/1 w/IntelliStart					*	*	*	*	*	*	*	*	*	*
265-277/60/1						*	*	*	*					
208-230/60/3 (also w/IntelliStart)						*	*	*	*	*	*	*	*	*
460/60/3 (also w/IntelliStart)						*	*	*	*	*	*	*	*	*
575/60/3														

01/22/13

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Electrical Data

PSC Motor

Model	Rated Voltage	Voltage Min/Max	Compressor				Blower Motor FLA	Total Unit FLA	Min Circ Amp	Max Fuse/HACR
			MCC	RLA	LRA	LRA**				
009	208-230/60/1	187/253	6.4	4.1	21.0	n/a	0.6	4.7	5.7	10/15
	265/60/1	238/292	6.7	4.3	22.0	n/a	0.6	4.9	6.0	10/15
012	208-230/60/1	187/253	7.7	4.9	25.0	n/a	0.6	5.5	6.7	10/15
	265/60/1	238/292	7.0	4.5	22.0	n/a	0.6	5.1	6.2	10/15
015	208-230/60/1	187/253	9.2	5.9	29.0	n/a	1.1	7.0	8.5	10/15
	265/60/1	238/292	7.8	5.0	28.0	n/a	1.0	6.0	7.2	10/15
018	208-230/60/1	187/253	10.4	6.7	33.5	13.4	1.1	7.8	9.5	15
	265/60/1	238/292	8.7	5.6	28.0	n/a	1.0	6.6	8.0	10/15
023	208-230/60/1	187/253	21.0	13.5	58.3	23.3	1.2	14.7	18.1	30
	265/60/1	238/292	14.0	9.0	54.0	n/a	1.1	10.1	12.4	20
	208-230/60/3	187/253	11.0	7.1	55.0	33.0	1.2	8.3	10.1	15
	460/60/3	414/506	5.5	3.5	28.0	16.8	0.6	4.1	5.0	10/15
024	208-230/60/1	187/253	21.0	13.5	58.3	23.3	1.2	14.7	18.1	30
	265/60/1	238/292	14.0	9.0	54.0	n/a	1.1	10.1	12.4	20
	208-230/60/3	187/253	11.0	7.1	55.0	33.0	1.2	8.3	10.1	15
	460/60/3	414/506	5.5	3.5	28.0	16.8	0.6	4.1	5.0	10/15
024*	208-230/60/1	187/253	21.0	13.5	58.3	23.3	1.5	15.0	18.4	30
	265/60/1	238/292	14.0	9.0	54.0	n/a	1.5	10.5	12.8	20
	208-230/60/3	187/253	11.0	7.1	55.0	33.0	1.5	8.6	10.4	15
	460/60/3	414/506	5.5	3.5	28.0	16.8	1.0	4.5	5.4	10/15
030	208-230/60/1	187/253	22.0	14.1	73.0	29.2	1.5	15.6	19.1	30
	265/60/1	238/292	17.5	11.2	60.0	n/a	1.5	12.7	15.5	25
	208-230/60/3	187/253	13.9	8.9	58.0	34.8	1.5	10.4	12.6	20
	460/60/3	414/506	6.5	4.2	28.0	16.8	1.0	5.2	6.3	10/15
030*	208-230/60/1	187/253	22.0	14.1	73.0	29.2	2.2	16.3	19.8	30
	265/60/1	238/292	17.5	11.2	60.0	n/a	2.0	13.2	16.0	25
	208-230/60/3	187/253	13.9	8.9	58.0	34.8	2.2	11.1	13.3	20
	460/60/3	414/506	6.5	4.2	28.0	16.8	1.1	5.3	6.4	10/15
036	208-230/60/1	187/253	27.0	17.3	96.7	38.7	2.2	19.5	23.8	40
	265/60/1	238/292	19.0	12.2	72.0	n/a	1.1	13.3	16.3	20
	208-230/60/3	187/253	20.0	12.8	95.0	57.0	2.2	15.0	18.2	30
	460/60/3	414/506	10.0	6.4	45.0	27.0	1.1	7.5	9.1	15
041	208-230/60/1	187/253	31.0	20.0	115.0	46.0	3.5	23.5	28.5	45
	208-230/60/3	187/253	20.0	12.8	95.0	57.0	3.5	16.3	19.5	30
	460/60/3	414/506	10.0	6.4	45.0	27.0	1.8	8.2	9.8	15
	575/60/3	517/633	8.5	5.4	38.0	n/a	1.4	6.8	8.2	10/15
042	208-230/60/1	187/253	31.0	20.0	115.0	46.0	3.5	23.5	28.5	45
	208-230/60/3	187/253	20.0	12.8	95.0	57.0	3.5	16.3	19.5	30
	460/60/3	414/506	10.0	6.4	45.0	27.0	1.8	8.2	9.8	15
	575/60/3	517/633	8.5	5.4	38.0	n/a	1.4	6.8	8.2	10/15
042*	208-230/60/1	187/253	31.0	20.0	115.0	46.0	4.6	24.6	29.6	45
	208-230/60/3	187/253	20.0	12.8	95.0	57.0	4.6	17.4	20.6	30
	460/60/3	414/506	10.0	6.4	45.0	27.0	2.3	8.7	10.3	15
	575/60/3	517/633	8.5	5.4	38.0	n/a	1.9	7.3	8.7	10/15
048	208-230/60/1	187/253	32.0	21.0	115.0	46.0	3.5	24.5	29.8	50
	208-230/60/3	187/253	25.0	16.0	115.0	69.0	3.5	19.5	23.5	35
	460/60/3	414/506	12.0	7.7	50.0	30.0	1.8	9.5	11.4	15
048*	208-230/60/1	187/253	32.0	21.0	115.0	46.0	4.6	25.6	30.9	50
	208-230/60/3	187/253	25.0	16.0	115.0	69.0	4.6	20.6	24.6	40
	460/60/3	414/506	12.0	7.7	50.0	30.0	2.3	10.0	11.9	15
	575/60/3	517/633	10.0	6.4	40.0	n/a	1.9	8.3	9.9	15
060	208-230/60/1	187/253	41.0	26.3	150.0	60.0	5.9	32.3	38.8	60
	208-230/60/3	187/253	27.5	17.6	120.0	72.0	5.9	23.5	27.9	45
	460/60/3	414/506	13.0	8.3	70.0	42.0	3.0	11.3	13.4	20
	575/60/3	517/633	11.5	7.4	53.0	n/a	1.9	9.3	11.2	15
070	208-230/60/1	187/253	47.0	30.1	145.0	58.0	5.9	36.0	43.5	70
	208-230/60/3	187/253	28.0	17.3	120.0	72.0	5.9	23.2	27.5	40
	460/60/3	414/506	15.0	9.6	70.0	42.0	3.0	12.6	15.0	20
	575/60/3	517/633	12.5	8.0	53.0	n/a	1.9	9.9	11.9	15

HACR circuit breaker in USA only

* With optional high-static PSC motor

** With optional IntelliStart™

NOTE: High-static option not available on all model sizes.

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05/21/13

Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Electrical Data cont.

5-Speed ECM Motor

Model	Rated Voltage	Voltage Min/Max	Compressor				Blower Motor FLA	Total Unit FLA	Min Circ Amp	Max Fuse/HACR
			MCC	RLA	LRA	LRA**				
015	208-230/60/1	187/253	9.2	5.9	29.0	n/a	4.1	10.0	11.5	15
	265/60/1	238/292	7.8	5.0	28.0	n/a	3.6	8.6	9.9	10/15
018	208-230/60/1	187/253	10.4	6.7	33.5	13.4	4.1	10.8	12.5	15
	265/60/1	238/292	8.7	5.6	28.0	n/a	3.6	9.2	10.6	15
023	208-230/60/1	187/253	21.0	13.5	58.3	23.3	4.1	17.6	21.0	30
	265/60/1	238/292	14.0	9.0	54.0	n/a	3.6	12.6	14.9	20
	208-230/60/3	187/253	11.0	7.1	55.0	33.0	4.1	11.2	13.0	20
024	460/60/3	414/506	5.5	3.5	28.0	16.8	2.1	5.6	6.5	10/15
	208-230/60/1	187/253	21.0	13.5	58.3	23.3	4.1	17.6	21.0	30
	265/60/1	238/292	14.0	9.0	54.0	n/a	3.6	12.6	14.9	20
	208-230/60/3	187/253	11.0	7.1	55.0	33.0	4.1	11.2	13.0	20
030	460/60/3	414/506	5.5	3.5	28.0	16.8	2.1	5.6	6.5	10/15
	208-230/60/1	187/253	22.0	14.1	73.0	29.2	4.1	18.2	21.7	35
	265/60/1	238/292	17.5	11.2	60.0	n/a	3.6	14.8	17.6	25
	208-230/60/3	187/253	13.9	8.9	58.0	34.8	4.1	13.0	15.2	20
036	460/60/3	414/506	6.5	4.2	28.0	16.8	2.1	6.3	7.4	10/15
	208-230/60/1	187/253	27.0	17.3	96.7	38.7	4.1	21.4	25.7	40
	265/60/1	238/292	19.0	12.2	72.0	n/a	3.6	15.8	18.9	30
	208-230/60/3	187/253	20.0	12.8	95.0	57.0	4.1	16.9	20.1	30
041	460/60/3	414/506	10.0	6.4	45.0	27.0	2.1	8.5	10.1	15
	208-230/60/1	187/253	31.0	20.0	115.0	46.0	7.6	27.6	32.6	50
	208-230/60/3	187/253	20.0	12.8	95.0	57.0	7.6	20.4	23.6	30
042	460/60/3	414/506	10.0	6.4	45.0	27.0	4.0	10.4	12.0	15
	208-230/60/1	187/253	31.0	20.0	115.0	46.0	7.6	27.6	32.6	50
	208-230/60/3	187/253	20.0	12.8	95.0	57.0	7.6	20.4	23.6	30
048	460/60/3	414/506	10.0	6.4	45.0	27.0	4.0	10.4	12.0	15
	208-230/60/1	187/253	32.0	21.0	115.0	46.0	7.6	28.6	33.9	50
	208-230/60/3	187/253	25.0	16.0	115.0	69.0	7.6	23.6	27.6	40
060	460/60/3	414/506	12.0	7.7	50.0	30.0	4.0	11.7	13.6	20
	208-230/60/1	187/253	41.0	26.3	150.0	60.0	7.6	33.9	40.5	60
	208-230/60/3	187/253	27.5	17.6	120.0	72.0	7.6	25.2	29.6	45
070	460/60/3	414/506	13.0	8.3	70.0	42.0	4.0	12.3	14.4	25
	208-230/60/1	187/253	47.0	30.1	145.0	58.0	7.6	37.7	45.2	70
	208-230/60/3	187/253	28.0	17.3	120.0	72.0	7.6	24.9	29.2	45
070	460/60/3	414/506	15.0	9.6	70.0	42.0	4.0	13.6	16.0	25

HACR circuit breaker in USA only

** With optional IntelliStart™

05/21/13

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Electrical Data cont.

Variable Speed ECM Motor

Model	Rated Voltage	Voltage Min/Max	Compressor				Blower Motor FLA	Total Unit FLA	Min Circ Amp	Max Fuse/HACR
			MCC	RLA	LRA	LRA**				
015	208-230/60/1	187/253	9.2	5.9	29.0	n/a	4.0	9.9	11.4	15
	265/60/1	238/292	7.8	5.0	28.0	n/a	4.1	9.1	10.3	15
018	208-230/60/1	187/253	10.4	6.7	33.5	13.4	4.0	10.7	12.4	15
	265/60/1	238/292	8.7	5.6	28.0	n/a	4.1	9.7	11.1	15
023	208-230/60/1	187/253	21.0	13.5	58.3	23.3	4.0	17.5	20.9	30
	265/60/1	238/292	14.0	9.0	54.0	n/a	4.1	13.1	15.4	20
	208-230/60/3	187/253	11.0	7.1	55.0	33.0	4.0	11.1	12.9	15
	460/60/3	414/506	5.5	3.5	28.0	16.8	4.1	7.6	8.5	10/15
024	208-230/60/1	187/253	21.0	13.5	58.3	23.3	4.0	17.5	20.9	30
	265/60/1	238/292	14.0	9.0	54.0	n/a	4.1	13.1	15.4	20
	208-230/60/3	187/253	11.0	7.1	55.0	33.0	4.0	11.1	12.9	15
	460/60/3	414/506	5.5	3.5	28.0	16.8	4.1	7.6	8.5	10/15
030	208-230/60/1	187/253	22.0	14.1	73.0	29.2	4.0	18.1	21.6	35
	265/60/1	238/292	17.5	11.2	60.0	n/a	4.1	15.3	18.1	25
	208-230/60/3	187/253	13.9	8.9	58.0	34.8	4.0	12.9	15.1	20
	460/60/3	414/506	6.5	4.2	28.0	16.8	4.1	8.3	9.4	10/15
036	208-230/60/1	187/253	27.0	17.3	96.7	38.7	4.0	21.3	25.6	40
	265/60/1	238/292	19.0	12.2	72.0	n/a	4.1	16.3	19.3	30
	208-230/60/3	187/253	20.0	12.8	95.0	57.0	4.0	16.8	20.0	30
	460/60/3	414/506	10.0	6.4	45.0	27.0	4.1	10.5	12.1	15
041	208-230/60/1	187/253	31.0	20.0	115.0	46.0	4.0	24.0	29.0	45
	208-230/60/3	187/253	20.0	12.8	95.0	57.0	4.0	16.8	20.0	30
	460/60/3	414/506	10.0	6.4	45.0	27.0	4.1	10.5	12.1	15
042	208-230/60/1	187/253	31.0	20.0	115.0	46.0	4.0	24.0	29.0	45
	208-230/60/3	187/253	20.0	12.8	95.0	57.0	4.0	16.8	20.0	30
	460/60/3	414/506	10.0	6.4	45.0	27.0	4.1	10.5	12.1	15
042*	208-230/60/1	187/253	31.0	20.0	115.0	46.0	7.0	27.0	32.0	50
	208-230/60/3	187/253	20.0	12.8	95.0	57.0	7.0	19.8	23.0	35
	460/60/3	414/506	10.0	6.4	45.0	27.0	6.9	13.3	14.9	20
048	208-230/60/1	187/253	32.0	21.0	115.0	46.0	4.0	25.0	30.3	50
	208-230/60/3	187/253	25.0	16.0	115.0	69.0	4.0	20.0	24.0	40
	460/60/3	414/506	12.0	7.7	50.0	30.0	4.1	11.8	13.7	20
	208-230/60/1	187/253	32.0	21.0	115.0	46.0	7.0	28.0	33.3	50
048*	208-230/60/3	187/253	25.0	16.0	115.0	69.0	7.0	23.0	27.0	40
	460/60/3	414/506	12.0	7.7	50.0	30.0	6.9	14.6	16.5	20
	208-230/60/1	187/253	41.0	26.3	150.0	60.0	7.0	33.3	39.9	60
060	208-230/60/3	187/253	27.5	17.6	120.0	72.0	7.0	24.6	29.0	45
	460/60/3	414/506	13.0	8.3	70.0	42.0	6.9	15.2	17.3	25
	208-230/60/1	187/253	47.0	30.1	145.0	58.0	7.0	37.1	44.6	70
070	208-230/60/3	187/253	28.0	17.3	120.0	72.0	7.0	24.9	29.4	45
	460/60/3	414/506	15.0	9.6	70.0	42.0	6.9	16.5	18.9	25

HACR circuit breaker in USA only

* With optional 1 HP ECM motor

** With optional IntelliStart™

05/21/13



CAUTION: When installing a unit with a variable speed ECM blower motor in 460/60/3 voltage, a neutral wire is required to allow proper unit operation.

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Blower Performance Data cont.

Variable Speed ECM Motor

Model	Max esp	Airflow DIP Switch Settings											
		1	2	3	4	5	6	7	8	9	10	11	12
015	0.50	300 L	400	500 M	600 H	700							
018	0.50	300	400 L	500	600 M	700 H	800						
023	0.50		400	500 L	600 M	700	800 H	900	1000	1100	1200		
024	0.50		400	500 L	600 M	700	800 H	900	1000	1100	1200		
030	0.50		400	500 L	600	700 M	800	900 H	1000	1100	1200		
036	0.50				600	700 L	800	900 M	1000	1100 H	1150	1225	1300
041	0.50	650	750	850 L	950	1050 M	1150	1250	1325 H	1375	1475	1550	1600
042	0.50	650	750	850 L	950	1050 M	1150	1250	1325 H	1375	1475	1550	1600
042 w/1hp*	0.75	800 L	1000 M	1100	1300 H	1500	1600	1800					
048	0.50	650	750	850	950	1050 L	1150	1250 M	1325	1375	1475	1550 H	1600
048 w/1hp*	0.75	800	1000 L	1100	1300 M	1500 H	1600	1800					
060	0.75	750	900	1000	1200 L	1400 M	1600	1700	1850 H	2000	2200	2300	2400
070	0.75	800	950	1100 L	1300	1500	1750 M	1950	2100 H	2300			

Factory settings are at recommended L-M-H DIP switch locations.

Shaded regions are recommended for best performance. It is acceptable to operate outside of this area as long as the WSHP operates within the guidelines of the Operating Limits table and Correction Factor tables.

Lowest and Highest DIP switch settings are assumed to be L and H respectively.

CFM is controlled within ±5% up to the maximum esp.

Max esp includes allowance for wet coil and standard filter

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Operating Limits

Operating Limits	Cooling		Heating	
	(°F)	(°C)	(°F)	(°C)
Air Limits				
Min. Ambient Air	45	7.2	45	7.2
Rated Ambient Air	80	26.7	70	21.1
Max. Ambient Air	100	37.8	85	29.4
Min. Entering Air	50	10.0	40	4.4
Rated Entering Air db/wb	80.6/66.2	27/19	68	20.0
Max. Entering Air db/wb	110/83	43/28.3	80	26.7
Water Limits				
Min. Entering Water	30	-1.1	20	-6.7
Normal Entering Water	50-110	10-43.3	30-70	-1.1
Max. Entering Water	120	48.9	90	32.2

NOTE: Minimum/maximum limits are only for start-up conditions, and are meant for bringing the space up to occupancy temperature. Units are not designed to operate at the minimum/maximum conditions on a regular basis. The operating limits are dependant upon three primary factors: 1) water temperature, 2) return air temperature, and 3) ambient temperature. When any of the factors are at the minimum or maximum levels, the other two factors must be at the normal level for proper and reliable unit operation.

Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Definitions

ABBREVIATIONS AND DEFINITIONS:

CFM	= airflow, cubic feet/minute	HE	= total heat of extraction, MBTUH
EWT	= entering water temperature, Fahrenheit	HWC	= hot water generator capacity, MBTUH
GPM	= water flow in gallons/minute	EER	= Energy Efficient Ratio = BTU output/Watt input
WPD	= water pressure drop, PSI and feet of water	COP	= Coefficient of Performance = BTU output/BTU input
EAT	= entering air temperature, Fahrenheit (dry bulb/wet bulb)	LWT	= leaving water temperature, °F
HC	= air heating capacity, MBTUH	LAT	= leaving air temperature, °F
TC	= total cooling capacity, MBTUH	TH	= total heating capacity, MBTUH
SC	= sensible cooling capacity, MBTUH	LC	= latent cooling capacity, MBTUH
KW	= total power unit input, kilowatts	S/T	= sensible to total cooling ratio
HR	= total heat of rejection, MBTUH		

Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

**LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz**



Correction Factor Tables

Cooling Capacity Corrections

Entering Air WB °F	Total Clg Cap	Sensible Cooling Capacity Multipliers - Entering DB °F										Power Input	Heat of Rejection
		60	65	70	75	80	80.6	85	90	95	100		
55	0.898	0.723	0.866	1.048	1.185	*	*	*	*	*	*	0.985	0.913
60	0.912		0.632	0.880	1.078	1.244	1.260	*	*	*	*	0.994	0.927
65	0.967			0.694	0.881	1.079	1.085	1.270	*	*	*	0.997	0.972
66.2	0.983			0.655	0.842	1.040	1.060	1.232	*	*	*	0.999	0.986
67	1.000			0.616	0.806	1.000	1.023	1.193	1.330	*	*	1.000	1.000
70	1.053				0.693	0.879	0.900	1.075	1.250	1.404	*	1.003	1.044
75	1.168					0.687	0.715	0.875	1.040	1.261	1.476	1.007	1.141

NOTE: * Sensible capacity equals total capacity at conditions shown.

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Heating Corrections

Ent Air DB °F	Htg Cap	Power	Heat of Ext
45	1.062	0.739	1.158
50	1.050	0.790	1.130
55	1.037	0.842	1.096
60	1.025	0.893	1.064
65	1.012	0.945	1.030
68	1.005	0.976	1.012
70	1.000	1.000	1.000
75	0.987	1.048	0.970
80	0.975	1.099	0.930

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Airflow Corrections

Airflow		Cooling				Heating		
cfm Per Ton of Clg	% of Nominal	Total Cap	Sens Cap	Power	Heat of Rej	Htg Cap	Power	Heat of Ext
240	60	0.922	0.786	0.910	0.920	0.943	1.150	0.893
275	69	0.944	0.827	0.924	0.940	0.958	1.105	0.922
300	75	0.959	0.860	0.937	0.955	0.968	1.078	0.942
325	81	0.971	0.894	0.950	0.967	0.977	1.053	0.959
350	88	0.982	0.929	0.964	0.978	0.985	1.031	0.973
375	94	0.992	0.965	0.982	0.990	0.993	1.014	0.988
400	100	1.000	1.000	1.000	1.000	1.000	1.000	1.000
425	106	1.007	1.034	1.020	1.010	1.007	0.990	1.011
450	113	1.012	1.065	1.042	1.018	1.013	0.983	1.020
475	119	1.017	1.093	1.066	1.026	1.018	0.980	1.028
500	125	1.019	1.117	1.092	1.033	1.023	0.978	1.034
520	130	1.020	1.132	1.113	1.038	1.026	0.975	1.038

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Antifreeze Corrections

Antifreeze Corrections

Catalog performance can be corrected for antifreeze use. Please use the following table and note the example given.

Antifreeze Type	Antifreeze % by wt	Cooling Capacity	Heating Capacity	Pressure Drop
EWT - degF [DegC]		90 [32.2]	30 [-1.1]	30 [-1.1]
Water	0	1.000	1.000	1.000
Ethylene Glycol	10	0.991	0.973	1.075
	20	0.979	0.943	1.163
	30	0.965	0.917	1.225
	40	0.955	0.890	1.324
	50	0.943	0.865	1.419
Propylene Glycol	10	0.981	0.958	1.130
	20	0.969	0.913	1.270
	30	0.950	0.854	1.433
	40	0.937	0.813	1.614
	50	0.922	0.770	1.816
Ethanol	10	0.991	0.927	1.242
	20	0.972	0.887	1.343
	30	0.947	0.856	1.383
	40	0.930	0.815	1.523
	50	0.911	0.779	1.639
Methanol	10	0.986	0.957	1.127
	20	0.970	0.924	1.197
	30	0.951	0.895	1.235
	40	0.936	0.863	1.323
	50	0.920	0.833	1.399

Warning: Gray area represents antifreeze concentrations greater than 35% by weight and should be avoided due to the extreme performance penalty they represent.

Antifreeze Correction Example

Antifreeze solution is Propylene Glycol 20% by weight. Determine the corrected heating and cooling performance at 30°F and 90°F respectively as well as pressure drop at 30°F for a LX Ultra Series YGS*024-PSC.

The corrected cooling capacity at 90°F would be: 24,500 Btu/h x 0.969 = 23,740 Btu/h

The corrected heating capacity at 30°F would be: 19,000 Btu/h x 0.913 = 17,347 Btu/h

The corrected pressure drop at 30°F and 6 gpm would be: 10.5 ft. hd x 1.270 = 13.34 ft. hd.

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Pressure Drop

Model	gpm	Pressure Drop (psi)				
		30°F	50°F	70°F	90°F	110°F
009	1.5	2.0	1.7	1.4	1.3	1.0
	2.0	3.8	3.2	2.8	2.3	1.8
	3.0	7.2	6.0	5.1	4.5	4.0
	4.0	12.0	10.0	9.0	7.5	6.0
012	1.5	1.1	1.0	0.9	0.8	0.7
	2.5	2.5	2.3	2.1	1.8	1.5
	3.5	3.9	3.6	3.2	2.7	2.3
	4.5	5.3	4.9	4.5	3.8	3.5
015	2.0	0.6	0.5	0.5	0.4	0.4
	3.0	1.1	1.0	0.9	0.8	0.6
	4.0	1.9	1.8	1.6	1.5	1.3
	5.0	3.3	3.2	3.0	2.9	2.7
018	3.0	1.1	1.0	0.9	0.8	0.6
	4.0	1.9	1.8	1.6	1.5	1.3
	5.0	3.3	3.2	3.0	2.9	2.7
	6.0	4.5	4.4	4.3	4.1	4.0
023	3.0	1.1	1.0	0.9	0.8	0.6
	4.5	2.4	2.2	2.1	2.0	1.9
	6.0	4.5	4.4	4.3	4.1	4.0
	8.0	6.7	6.6	6.5	6.3	6.2
024	3.0	1.1	1.0	0.9	0.8	0.6
	4.5	2.4	2.2	2.1	2.0	1.9
	6.0	4.5	4.4	4.3	4.1	4.0
	8.0	6.7	6.6	6.5	6.3	6.2
030	4.0	0.9	0.8	0.7	0.6	0.5
	6.0	1.9	1.8	1.7	1.6	1.5
	8.0	3.7	3.6	3.5	3.4	3.3
	10.0	4.8	4.7	4.6	4.5	4.4
036	5.0	1.4	1.1	0.9	0.7	0.5
	7.0	2.5	2.3	2.1	1.8	1.6
	9.0	6.0	5.8	5.5	5.3	5.1
	12.0	6.6	6.4	6.2	6.0	5.7
041	5.0	1.5	1.2	0.9	0.5	0.4
	8.0	3.4	3.1	2.8	2.5	2.1
	11.0	7.9	7.5	7.2	6.9	6.6
	14.0	9.1	8.8	8.5	8.2	7.9
042	5.0	1.5	1.2	0.9	0.5	0.4
	8.0	3.4	3.1	2.8	2.5	2.1
	11.0	7.9	7.5	7.2	6.9	6.6
	14.0	9.1	8.8	8.5	8.2	7.9
048	6.0	2.0	1.7	1.3	1.0	0.6
	9.0	4.2	3.8	3.5	3.1	2.7
	12.0	6.7	6.3	5.9	5.6	5.2
	16.0	11.5	11.2	10.8	10.5	10.1
060	9.0	3.6	3.3	3.0	2.7	2.3
	12.0	6.1	5.8	5.5	5.2	4.8
	15.0	9.6	9.2	8.9	8.6	8.3
	20.0	15.5	15.2	14.9	14.5	14.2
070	12.0	4.1	3.6	3.2	2.8	2.3
	15.0	5.9	5.0	4.6	4.1	3.7
	18.0	8.8	8.4	7.9	7.5	7.1
	24.0	12.9	12.0	11.5	11.1	10.7

7/6/10

Valve	gpm	Cv	Pressure Drop (psi)
1/2 in.	1.5	9.6	0.02
	2.0	9.7	0.04
	3.0	9.9	0.09
	4.0	10.1	0.16
1/2 in.	1.5	9.6	0.02
	2.5	9.8	0.06
	3.5	10.0	0.12
	4.5	10.2	0.19
1/2 in.	2.0	9.7	0.04
	3.0	9.9	0.09
	4.0	10.1	0.16
	5.0	10.4	0.23
1/2 in.	3.0	9.9	0.09
	4.0	10.1	0.16
	5.0	10.4	0.23
	6.0	10.6	0.32
3/4 in.	3.0	9.9	0.09
	4.5	10.2	0.19
	6.0	10.6	0.32
	8.0	11.0	0.53
3/4 in.	3.0	9.9	0.09
	4.5	10.2	0.19
	6.0	10.6	0.32
	8.0	11.0	0.53
3/4 in.	4.0	10.1	0.16
	6.0	10.6	0.32
	8.0	11.0	0.53
	10.0	11.5	0.76
3/4 in.	5.0	10.4	0.23
	7.0	10.8	0.42
	9.0	11.2	0.64
	12.0	11.9	1.02
3/4 in.	5.0	10.4	0.23
	8.0	11.0	0.53
	11.0	11.7	0.89
	14.0	12.3	1.29
1 in.	5.0	15.9	0.10
	8.0	16.6	0.23
	11.0	17.2	0.41
	14.0	17.9	0.61
1 in.	6.0	16.1	0.14
	9.0	16.8	0.29
	12.0	17.4	0.47
	16.0	18.3	0.76
1 in.	9.0	16.8	0.29
	12.0	17.4	0.47
	15.0	18.1	0.69
	20.0	19.2	1.09
1 in.	12.0	17.4	0.47
	15.0	18.1	0.69
	18.0	18.7	0.92
	24.0	20.1	1.43

11/10/09

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG009 - Performance Data

Single Speed PSC (350 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F					COOLING - EAT 80/67°F					
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER
20	1.5	2.2	5.1	Operation not recommended					Operation not recommended					
	2.0	4.2	9.7	Operation not recommended					Operation not recommended					
	3.0	7.5	17.3	6.0	0.65	3.8	83.9	2.71	Operation not recommended					
30	1.5	2.0	4.6	Operation not recommended					Operation not recommended					
	2.0	3.8	8.8	6.1	0.64	3.9	84.1	2.79	11.2	7.5	0.67	0.52	13.0	21.7
	3.0	7.2	16.6	6.9	0.67	4.6	86.2	3.01	11.4	7.7	0.67	0.49	13.0	23.4
40	1.5	1.9	4.4	Operation not recommended					Operation not recommended					
	2.0	3.5	8.1	6.9	0.67	4.6	86.3	3.03	11.1	7.6	0.68	0.55	13.0	20.3
	3.0	6.5	15.0	7.5	0.69	5.2	87.9	3.21	11.2	7.7	0.68	0.52	13.0	21.6
50	1.5	1.7	3.9	7.6	0.69	5.2	88.1	3.23	11.1	7.6	0.69	0.59	13.1	18.6
	2.0	3.2	7.4	7.8	0.69	5.4	88.6	3.29	11.1	7.6	0.69	0.58	13.1	19.0
	3.0	6.0	13.8	8.2	0.70	5.8	89.6	3.41	11.1	7.6	0.69	0.56	13.0	19.9
60	1.5	1.6	3.6	8.7	0.72	6.2	90.9	3.52	10.4	7.3	0.70	0.66	12.6	15.9
	2.0	3.0	6.9	8.9	0.72	6.4	91.5	3.59	10.5	7.3	0.70	0.64	12.6	16.3
	3.0	5.6	12.8	9.3	0.73	6.8	92.7	3.74	10.5	7.4	0.70	0.61	12.6	17.2
70	1.5	1.4	3.2	9.7	0.75	7.1	93.7	3.79	9.8	7.0	0.71	0.72	12.2	13.6
	2.0	2.8	6.5	10.0	0.75	7.4	94.4	3.88	9.8	7.0	0.71	0.70	12.2	14.0
	3.0	5.1	11.9	10.5	0.76	7.9	95.8	4.05	10.0	7.2	0.72	0.67	12.3	14.9
80	1.5	1.4	3.1	11.2	0.77	8.5	97.5	4.27	9.0	6.8	0.75	0.80	11.7	11.3
	2.0	2.6	5.9	11.4	0.77	8.8	98.1	4.32	9.1	6.8	0.75	0.76	11.7	12.0
	3.0	4.8	11.0	11.8	0.78	9.1	99.1	4.42	9.3	7.0	0.75	0.74	11.8	12.6
90	1.5	1.3	3.0	12.6	0.78	9.9	101.4	4.74	8.3	6.6	0.79	0.87	11.3	9.5
	2.0	2.3	5.3	12.8	0.79	10.1	101.9	4.75	8.4	6.7	0.79	0.83	11.3	10.2
	3.0	4.5	10.4	13.0	0.80	10.3	102.4	4.76	8.6	6.8	0.79	0.80	11.3	10.7
100	1.5	1.3	2.9	Operation not recommended					Operation not recommended					
	2.0	2.1	4.7	Operation not recommended					7.9	6.5	0.83	0.91	11.0	8.6
	3.0	4.3	9.8	Operation not recommended					8.0	6.6	0.82	0.88	11.0	9.1
110	1.5	1.0	2.3	Operation not recommended					Operation not recommended					
	2.0	1.8	4.2	Operation not recommended					7.2	6.2	0.86	0.99	10.6	7.3
	3.0	4.0	9.2	Operation not recommended					7.4	6.3	0.86	0.96	10.6	7.7
120	1.5	0.9	2.1	Operation not recommended					Operation not recommended					
	2.0	1.7	3.9	Operation not recommended					6.2	5.6	0.89	1.07	9.9	5.8
	3.0	3.8	8.8	Operation not recommended					6.4	5.6	0.89	1.04	9.9	6.1

11/10/09

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG012 - Performance Data

Single Speed PSC (400 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F					COOLING - EAT 80/67°F					
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER
20	1.5	1.2	2.8	Operation not recommended					Operation not recommended					
	2.5	2.6	6.0	Operation not recommended					Operation not recommended					
	3.5	4.1	9.5	7.2	0.81	4.4	84.7	2.61	Operation not recommended					
30	1.5	1.1	2.5	Operation not recommended					Operation not recommended					
	2.5	2.5	5.8	8.6	0.81	5.9	88.0	3.13	15.7	10.0	0.64	0.47	17.3	33.5
	3.5	3.9	9.0	8.9	0.83	6.1	88.6	3.14	15.9	10.2	0.64	0.44	17.4	36.1
40	1.5	1.1	2.4	Operation not recommended					Operation not recommended					
	2.5	2.4	5.5	9.6	0.83	6.8	90.2	3.39	15.3	10.0	0.65	0.53	17.1	28.6
	3.5	3.8	8.7	10.0	0.85	7.1	91.0	3.45	15.5	10.1	0.65	0.50	17.1	31.2
50	1.5	1.0	2.3	10.3	0.85	7.4	91.8	3.55	14.7	10.0	0.68	0.65	16.9	22.6
	2.5	2.3	5.3	10.7	0.86	7.7	92.7	3.65	14.9	10.0	0.67	0.60	16.9	24.8
	3.5	3.6	8.3	11.0	0.86	8.1	93.5	3.75	15.0	9.9	0.66	0.55	16.9	27.3
60	1.5	1.0	2.2	11.5	0.87	8.5	94.5	3.86	14.2	9.7	0.68	0.73	16.7	19.5
	2.5	2.2	5.1	11.9	0.88	8.9	95.5	3.96	14.4	9.7	0.68	0.68	16.7	21.1
	3.5	3.4	7.9	12.4	0.89	9.3	96.6	4.07	14.5	9.8	0.67	0.63	16.6	23.0
70	1.5	0.9	2.1	12.6	0.89	9.6	97.2	4.15	13.7	9.4	0.69	0.81	16.5	16.9
	2.5	2.1	4.9	13.2	0.91	10.1	98.4	4.26	13.9	9.5	0.69	0.76	16.4	18.2
	3.5	3.2	7.4	13.7	0.92	10.6	99.7	4.36	14.0	9.6	0.69	0.71	16.4	19.7
80	1.5	0.9	2.0	14.2	0.91	11.0	100.8	4.54	13.0	9.2	0.70	0.89	16.1	14.6
	2.5	2.0	4.5	14.6	0.93	11.4	101.7	4.60	13.2	9.3	0.70	0.85	16.1	15.5
	3.5	2.9	6.7	15.0	0.94	11.7	102.6	4.66	13.4	9.4	0.70	0.83	16.2	16.2
90	1.5	0.8	1.8	15.7	0.94	12.5	104.4	4.92	12.4	8.9	0.72	1.02	15.8	12.1
	2.5	1.8	4.2	16.0	0.95	12.7	104.9	4.93	12.5	9.0	0.72	0.97	15.9	12.9
	3.5	2.7	6.2	16.2	0.96	12.9	105.5	4.95	12.8	9.2	0.71	0.94	16.0	13.6
100	1.5	0.8	1.7	Operation not recommended					Operation not recommended					
	2.5	1.7	3.8	Operation not recommended					12.2	9.0	0.73	1.11	16.0	11.0
	3.5	2.5	5.8	Operation not recommended					12.4	9.0	0.73	1.07	16.1	11.6
110	1.5	0.7	1.6	Operation not recommended					Operation not recommended					
	2.5	1.5	3.5	Operation not recommended					11.8	8.8	0.75	1.23	16.0	9.5
	3.5	2.3	5.3	Operation not recommended					12.0	8.9	0.74	1.20	16.1	10.0
120	1.5	0.7	1.5	Operation not recommended					Operation not recommended					
	2.5	1.4	3.1	Operation not recommended					11.3	8.6	0.76	1.34	15.8	8.4
	3.5	2.1	4.9	Operation not recommended					11.5	8.7	0.76	1.30	15.9	8.8

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG015 - Performance Data

Single Speed PSC (500 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F						
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h
20	2.0	0.6	1.4	Operation not recommended						Operation not recommended						
	3.0	1.2	2.8	Operation not recommended						Operation not recommended						
	4.0	2.0	4.6	10.0	1.00	6.6	86.5	2.93	1.2							
30	2.0	0.6	1.4	Operation not recommended						Operation not recommended						
	3.0	1.1	2.6	11.0	1.04	7.4	88.3	3.09	1.3	14.5	9.8	0.68	0.71	16.9	20.3	---
	4.0	1.9	4.4	11.0	1.00	7.6	88.4	3.22	1.3	14.7	10.0	0.68	0.67	17.0	21.9	---
40	2.0	0.6	1.3	Operation not recommended						Operation not recommended						
	3.0	1.1	2.5	12.1	1.05	8.5	90.4	3.37	1.3	15.6	10.6	0.68	0.77	18.3	20.2	---
	4.0	1.8	4.3	12.4	1.04	8.8	90.9	3.50	1.3	15.9	10.8	0.68	0.74	18.4	21.4	---
50	2.0	0.5	1.2	13.0	1.06	9.4	92.1	3.59	1.4	16.5	11.3	0.68	0.85	19.4	19.4	0.8
	3.0	1.0	2.3	13.4	1.07	9.7	92.7	3.67	1.4	16.8	11.4	0.68	0.83	19.6	20.2	0.8
	4.0	1.8	4.1	13.7	1.07	10.1	93.4	3.75	1.5	17.0	11.5	0.68	0.81	19.8	21.0	0.8
60	2.0	0.5	1.2	14.4	1.07	10.7	94.6	3.93	1.6	15.7	10.9	0.69	0.92	18.8	17.2	0.9
	3.0	0.9	2.1	14.8	1.08	11.1	95.4	4.03	1.6	16.0	11.0	0.69	0.89	19.0	18.0	0.9
	4.0	1.7	3.9	15.3	1.09	11.5	96.2	4.12	1.7	16.2	11.1	0.68	0.86	19.1	18.9	0.8
70	2.0	0.5	1.1	15.7	1.08	12.0	97.1	4.26	1.8	14.9	10.5	0.70	0.98	18.2	15.2	1.1
	3.0	0.8	1.9	16.3	1.09	12.5	98.1	4.37	1.8	15.2	10.6	0.70	0.94	18.4	16.1	1.1
	4.0	1.6	3.7	16.8	1.10	13.1	99.1	4.48	1.8	15.4	10.6	0.69	0.90	18.5	17.1	1.0
80	2.0	0.5	1.1	17.6	1.10	13.8	100.5	4.69	2.0	14.2	10.2	0.72	1.03	17.7	13.7	1.4
	3.0	0.8	1.8	18.0	1.11	14.2	101.3	4.75	2.0	14.4	10.3	0.71	0.99	17.8	14.6	1.3
	4.0	1.5	3.6	18.4	1.12	14.6	102.1	4.81	2.1	14.7	10.4	0.71	0.96	17.9	15.3	1.3
90	2.0	0.4	1.0	19.4	1.11	15.6	103.9	5.12	2.3	13.4	9.9	0.74	1.09	17.1	12.3	1.8
	3.0	0.7	1.6	19.7	1.13	15.9	104.5	5.13	2.3	13.6	10.0	0.73	1.04	17.2	13.1	1.7
	4.0	1.5	3.4	20.0	1.14	16.1	105.0	5.14	2.3	13.9	10.1	0.73	1.01	17.3	13.8	1.6
100	2.0	0.4	0.9	Operation not recommended						Operation not recommended						
	3.0	0.6	1.4	Operation not recommended						12.8	9.7	0.76	1.16	16.7	11.0	2.1
	4.0	1.4	3.2	Operation not recommended						13.0	9.8	0.76	1.13	16.8	11.5	1.9
110	2.0	0.4	0.9	Operation not recommended						Operation not recommended						
	3.0	0.5	1.2	Operation not recommended						11.8	9.4	0.80	1.27	16.1	9.2	2.7
	4.0	1.3	3.0	Operation not recommended						12.0	9.5	0.79	1.24	16.2	9.7	2.5
120	2.0	0.4	0.9	Operation not recommended						Operation not recommended						
	3.0	0.5	1.1	Operation not recommended						10.8	9.1	0.84	1.41	15.6	7.6	3.3
	4.0	1.2	2.9	Operation not recommended						11.0	9.2	0.84	1.37	15.7	8.0	3.0

11/10/09

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG018 - Performance Data

Single Speed PSC (600 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F						
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h
20	3.0	1.2	2.8	Operation not recommended						Operation not recommended						
	4.0	2.0	4.6	Operation not recommended						Operation not recommended						
	5.0	3.4	7.8	13.0	1.21	8.9	88.1	3.15	1.4							
30	3.0	1.1	2.6	Operation not recommended						Operation not recommended						
	4.0	1.9	4.4	14.5	1.29	10.1	90.3	3.29	1.5	18.2	11.8	0.65	0.86	21.1	21.0	---
	5.0	3.3	7.6	14.9	1.31	10.4	91.0	3.33	1.5	18.4	12.0	0.65	0.81	21.2	22.7	---
40	3.0	1.1	2.5	Operation not recommended						Operation not recommended						
	4.0	1.8	4.3	15.7	1.34	11.1	92.2	3.43	1.6	19.1	12.4	0.65	0.92	22.2	20.8	---
	5.0	3.2	7.5	16.5	1.37	11.8	93.4	3.52	1.6	19.4	12.6	0.65	0.89	22.4	21.9	---
50	3.0	1.0	2.3	16.0	1.36	11.4	92.7	3.45	1.7	19.7	12.8	0.65	0.98	23.0	20.1	0.9
	4.0	1.8	4.1	17.0	1.40	12.2	94.2	3.57	1.7	20.0	13.0	0.65	0.97	23.3	20.6	0.9
	5.0	3.2	7.3	18.0	1.43	13.1	95.8	3.69	1.8	20.3	13.1	0.65	0.96	23.6	21.1	0.9
60	3.0	0.9	2.1	17.5	1.43	12.6	95.0	3.60	1.9	18.7	12.4	0.66	1.07	22.3	17.6	1.1
	4.0	1.7	3.9	18.5	1.45	13.5	96.5	3.73	1.9	18.9	12.6	0.67	1.06	22.5	17.9	1.1
	5.0	3.1	7.1	19.5	1.48	14.5	98.1	3.86	2.0	19.2	12.8	0.67	1.05	22.7	18.3	1.0
70	3.0	0.8	1.9	19.0	1.49	13.9	97.3	3.74	2.1	17.7	12.0	0.68	1.15	21.6	15.4	1.3
	4.0	1.6	3.7	20.0	1.51	14.8	98.9	3.88	2.1	17.9	12.3	0.69	1.14	21.7	15.7	1.3
	5.0	3.0	6.9	21.0	1.53	15.8	100.4	4.02	2.2	18.0	12.5	0.69	1.13	21.9	15.9	1.2
80	3.0	0.8	1.8	21.9	1.56	16.5	101.7	4.10	2.4	16.6	11.4	0.69	1.36	21.2	12.2	1.7
	4.0	1.5	3.6	22.6	1.58	17.2	102.8	4.17	2.4	16.8	11.7	0.70	1.30	21.2	12.9	1.6
	5.0	2.9	6.8	23.3	1.61	17.8	103.9	4.25	2.5	17.0	12.0	0.70	1.26	21.3	13.5	1.5
90	3.0	0.7	1.6	24.7	1.64	19.1	106.2	4.43	2.8	15.4	10.8	0.70	1.49	20.5	10.3	2.2
	4.0	1.5	3.4	25.1	1.66	19.5	106.8	4.44	2.8	15.7	11.1	0.71	1.43	20.5	11.0	2.0
	5.0	2.9	6.6	25.5	1.68	19.8	107.4	4.45	2.8	16.0	11.4	0.71	1.38	20.7	11.6	1.9
100	3.0	0.6	1.4	Operation not recommended						Operation not recommended						
	4.0	1.4	3.2	Operation not recommended						14.9	11.0	0.74	1.52	20.1	9.8	2.5
	5.0	2.8	6.4	Operation not recommended						15.1	11.1	0.73	1.47	20.1	10.3	2.3
110	3.0	0.5	1.2	Operation not recommended						Operation not recommended						
	4.0	1.3	3.0	Operation not recommended						13.9	10.5	0.76	1.60	19.4	8.7	3.2
	5.0	2.7	6.2	Operation not recommended						14.2	10.7	0.75	1.56	19.5	9.1	3.0
120	3.0	0.5	1.1	Operation not recommended						Operation not recommended						
	4.0	1.2	2.9	Operation not recommended						13.2	10.1	0.76	1.76	19.2	7.5	4.0
	5.0	2.6	6.1	Operation not recommended						13.5	10.2	0.76	1.71	19.3	7.9	3.6

11/10/09

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG023 - Performance Data

Single Speed PSC (700 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F					COOLING - EAT 80/67°F					
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER
20	3.0	1.2	2.8	Operation not recommended					Operation not recommended					
	4.5	2.4	5.6	Operation not recommended					Operation not recommended					
	6.0	4.6	10.6	15.0	1.68	9.2	85.3	2.61	Operation not recommended					
30	3.0	1.1	2.6	Operation not recommended					Operation not recommended					
	4.5	2.4	5.5	17.9	1.74	11.9	88.7	3.01	26.3	16.7	0.63	1.11	30.1	23.8
	6.0	4.5	10.5	18.2	1.76	12.2	89.1	3.04	26.7	17.0	0.64	1.04	30.2	25.7
40	3.0	1.1	2.5	Operation not recommended					Operation not recommended					
	4.5	2.3	5.3	19.6	1.78	13.6	90.7	3.24	26.5	17.0	0.64	1.20	30.6	22.0
	6.0	4.5	10.3	20.3	1.80	14.1	91.4	3.30	26.8	17.3	0.64	1.14	30.7	23.6
50	3.0	1.0	2.3	20.8	1.79	14.7	92.1	3.41	26.4	17.3	0.66	1.37	31.1	19.3
	4.5	2.2	5.2	21.6	1.82	15.4	92.9	3.48	26.6	17.4	0.65	1.30	31.1	20.5
	6.0	4.4	10.2	22.3	1.84	16.0	93.8	3.55	26.9	17.5	0.65	1.23	31.1	21.9
60	3.0	1.0	2.2	23.0	1.83	16.7	94.6	3.68	25.7	17.0	0.66	1.52	30.9	16.9
	4.5	2.2	5.0	23.8	1.85	17.5	95.5	3.76	25.9	17.1	0.66	1.44	30.9	18.0
	6.0	4.3	10.0	24.6	1.88	18.2	96.4	3.84	26.2	17.2	0.66	1.36	30.8	19.3
70	3.0	0.9	2.0	25.2	1.87	18.8	97.1	3.94	25.0	16.7	0.67	1.67	30.7	15.0
	4.5	2.1	4.9	26.0	1.89	19.6	98.1	4.03	25.3	16.8	0.67	1.58	30.6	16.0
	6.0	4.3	9.9	26.9	1.91	20.4	99.1	4.12	25.5	16.9	0.66	1.49	30.6	17.1
80	3.0	0.8	1.9	27.9	1.88	21.5	100.2	4.35	23.8	16.1	0.68	1.81	30.0	13.1
	4.5	2.1	4.7	28.5	1.90	22.0	101.0	4.40	24.1	16.3	0.68	1.73	30.0	13.9
	6.0	4.2	9.7	29.2	1.92	22.6	101.8	4.46	24.5	16.5	0.67	1.68	30.2	14.6
90	3.0	0.8	1.7	30.6	1.88	24.1	103.4	4.76	22.7	15.6	0.69	2.01	29.6	11.3
	4.5	2.0	4.6	31.0	1.91	24.5	103.9	4.77	23.0	15.8	0.69	1.92	29.6	12.0
	6.0	4.1	9.6	31.5	1.93	24.9	104.5	4.78	23.5	16.0	0.68	1.86	29.8	12.6
100	3.0	0.7	1.6	Operation not recommended					Operation not recommended					
	4.5	1.9	4.4	Operation not recommended					21.7	15.1	0.69	2.20	29.2	9.9
	6.0	4.1	9.4	Operation not recommended					22.1	15.2	0.69	2.13	29.3	10.4
110	3.0	0.6	1.4	Operation not recommended					Operation not recommended					
	4.5	1.9	4.3	Operation not recommended					20.2	14.2	0.70	2.46	28.6	8.2
	6.0	4.0	9.3	Operation not recommended					20.6	14.4	0.70	2.39	28.8	8.6
120	3.0	0.6	1.3	Operation not recommended					Operation not recommended					
	4.5	1.8	4.1	Operation not recommended					18.4	14.2	0.77	2.85	28.2	6.5
	6.0	3.9	9.1	Operation not recommended					18.8	14.4	0.77	2.77	28.3	6.8

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG024 - Performance Data

Single Speed PSC (800 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F						
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h
20	3.0	1.2	2.8	Operation not recommended						Operation not recommended						
	4.5	2.4	5.6	Operation not recommended						Operation not recommended						
	6.0	4.6	10.6	15.6	1.68	9.8	86.0	2.72	1.6							
30	3.0	1.1	2.6	Operation not recommended						Operation not recommended						
	4.5	2.4	5.5	18.7	1.74	12.7	89.6	3.14	1.7	27.5	17.4	0.63	1.11	31.2	24.8	---
	6.0	4.5	10.5	19.0	1.76	13.0	90.0	3.16	1.7	27.8	17.7	0.64	1.04	31.4	26.8	---
40	3.0	1.1	2.5	Operation not recommended						Operation not recommended						
	4.5	2.3	5.3	20.5	1.78	14.4	91.7	3.38	1.9	27.6	17.7	0.64	1.20	31.7	22.9	---
	6.0	4.5	10.3	21.1	1.80	15.0	92.4	3.44	1.9	27.9	18.0	0.64	1.14	31.8	24.6	---
50	3.0	1.0	2.3	21.7	1.79	15.6	93.2	3.56	2.1	27.5	18.0	0.65	1.37	32.2	20.1	1.3
	4.5	2.2	5.2	22.5	1.82	16.3	94.0	3.63	2.1	27.8	18.1	0.65	1.30	32.2	21.4	1.2
	6.0	4.4	10.2	23.2	1.84	16.9	94.9	3.70	2.2	28.0	18.2	0.65	1.23	32.2	22.7	1.2
60	3.0	1.0	2.2	24.0	1.83	17.7	95.7	3.84	2.3	26.8	17.7	0.66	1.52	32.0	17.6	1.5
	4.5	2.2	5.0	24.8	1.85	18.5	96.7	3.92	2.4	27.0	17.8	0.66	1.44	32.0	18.8	1.4
	6.0	4.3	10.0	25.6	1.88	19.2	97.6	4.00	2.4	27.3	17.9	0.66	1.36	31.9	20.1	1.4
70	3.0	0.9	2.0	26.2	1.87	19.8	98.3	4.10	2.6	26.1	17.4	0.67	1.67	31.8	15.6	1.8
	4.5	2.1	4.9	27.1	1.89	20.6	99.4	4.20	2.6	26.3	17.5	0.66	1.58	31.7	16.7	1.8
	6.0	4.3	9.9	28.0	1.91	21.5	100.4	4.30	2.7	26.6	17.6	0.66	1.49	31.6	17.8	1.7
80	3.0	0.8	1.9	29.0	1.88	22.6	101.5	4.53	2.9	24.9	16.8	0.68	1.81	31.1	13.7	2.3
	4.5	2.1	4.7	29.7	1.90	23.2	102.4	4.58	2.9	25.2	17.0	0.68	1.73	31.1	14.5	2.2
	6.0	4.2	9.7	30.4	1.92	23.8	103.2	4.64	3.0	25.5	17.1	0.67	1.68	31.2	15.2	2.1
90	3.0	0.8	1.7	31.8	1.88	25.4	104.8	4.95	3.3	23.6	16.2	0.69	2.01	30.5	11.7	2.8
	4.5	2.0	4.6	32.3	1.91	25.8	105.4	4.96	3.4	24.0	16.5	0.69	1.92	30.6	12.5	2.7
	6.0	4.1	9.6	32.8	1.93	26.2	105.9	4.98	3.5	24.5	16.7	0.68	1.86	30.8	13.2	2.5
100	3.0	0.7	1.6	Operation not recommended						Operation not recommended						
	4.5	1.9	4.4	Operation not recommended						22.7	16.0	0.71	2.20	30.2	10.3	3.4
	6.0	4.1	9.4	Operation not recommended						23.0	16.2	0.70	2.13	30.3	10.8	3.2
110	3.0	0.6	1.4	Operation not recommended						Operation not recommended						
	4.5	1.9	4.3	Operation not recommended						21.1	15.4	0.73	2.46	29.5	8.6	4.1
	6.0	4.0	9.3	Operation not recommended						21.5	15.6	0.73	2.39	29.7	9.0	3.9
120	3.0	0.6	1.3	Operation not recommended						Operation not recommended						
	4.5	1.8	4.1	Operation not recommended						19.1	14.8	0.77	2.85	28.9	6.7	4.9
	6.0	3.9	9.1	Operation not recommended						19.6	15.0	0.77	2.77	29.0	7.1	4.6

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG030 - Performance Data

Single Speed PSC (1000 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F						
		PSI	FT	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h
20	4.0	1.0	2.2	Operation not recommended						Operation not recommended						
	6.0	1.9	4.5	Operation not recommended						Operation not recommended						
	8.0	3.8	8.7	20.0	1.90	13.5	86.5	3.09	1.9							
30	4.0	0.9	2.1	Operation not recommended						Operation not recommended						
	6.0	1.9	4.4	21.2	1.96	14.5	87.6	3.16	2.1	30.4	19.3	0.64	1.38	35.1	21.9	---
	8.0	3.7	8.5	22.0	1.98	15.2	88.4	3.26	2.1	30.8	19.7	0.64	1.30	35.2	23.7	---
40	4.0	0.9	2.0	Operation not recommended						Operation not recommended						
	6.0	1.8	4.3	23.9	2.00	17.1	90.1	3.50	2.3	31.3	20.2	0.64	1.41	36.1	22.1	---
	8.0	3.7	8.4	25.0	2.02	18.1	91.1	3.62	2.4	32.4	20.9	0.65	1.40	37.2	23.1	---
50	4.0	0.8	1.9	25.8	2.01	18.9	91.9	3.76	2.5	30.5	19.9	0.65	1.39	35.2	21.9	1.4
	6.0	1.8	4.1	26.9	2.04	19.9	92.9	3.87	2.6	32.3	21.0	0.65	1.45	37.2	22.3	1.3
	8.0	3.6	8.3	27.9	2.06	20.9	93.8	3.97	2.7	34.0	22.1	0.65	1.50	39.1	22.7	1.3
60	4.0	0.8	1.8	29.4	2.05	22.4	95.2	4.20	2.9	30.1	19.7	0.66	1.54	35.3	19.5	1.6
	6.0	1.7	4.0	30.5	2.07	23.4	96.2	4.31	2.9	31.9	20.9	0.66	1.60	37.4	20.0	1.5
	8.0	3.6	8.2	31.6	2.10	24.5	97.3	4.42	3.0	33.8	22.1	0.66	1.65	39.4	20.5	1.4
70	4.0	0.7	1.6	33.0	2.09	25.9	98.6	4.63	3.2	29.6	19.5	0.66	1.69	35.4	17.5	2.0
	6.0	1.7	3.9	34.2	2.11	27.0	99.6	4.74	3.3	31.6	20.8	0.66	1.75	37.6	18.1	1.9
	8.0	3.5	8.1	35.3	2.13	28.0	100.7	4.86	3.4	33.6	22.2	0.66	1.80	39.7	18.7	1.8
80	4.0	0.7	1.5	36.9	2.19	29.4	102.1	4.93	3.6	29.3	19.3	0.66	2.16	36.6	13.6	2.5
	6.0	1.6	3.8	37.8	2.22	30.2	103.0	4.99	3.7	30.7	20.4	0.66	2.06	37.8	15.0	2.4
	8.0	3.5	8.0	38.7	2.24	31.0	103.8	5.06	3.8	32.1	21.5	0.67	1.99	38.8	16.1	2.3
90	4.0	0.6	1.4	40.7	2.29	32.9	105.7	5.21	4.1	29.0	19.0	0.66	2.36	37.0	12.3	3.3
	6.0	1.6	3.7	41.4	2.32	33.4	106.3	5.22	4.2	29.9	20.0	0.67	2.25	37.6	13.3	3.1
	8.0	3.4	7.9	42.0	2.35	34.0	106.9	5.24	4.3	30.5	20.7	0.68	2.18	37.9	14.0	3.0
100	4.0	0.6	1.3	Operation not recommended						Operation not recommended						
	6.0	1.6	3.6	Operation not recommended						27.5	19.7	0.72	2.58	36.3	10.7	3.9
	8.0	3.4	7.8	Operation not recommended						28.0	19.9	0.71	2.50	36.5	11.2	3.7
110	4.0	0.5	1.2	Operation not recommended						Operation not recommended						
	6.0	1.5	3.5	Operation not recommended						24.9	18.7	0.75	2.89	34.7	8.6	4.9
	8.0	3.3	7.6	Operation not recommended						25.4	19.0	0.75	2.81	35.0	9.0	4.5
120	4.0	0.5	1.1	Operation not recommended						Operation not recommended						
	6.0	1.5	3.3	Operation not recommended						21.1	17.2	0.82	3.09	31.7	6.8	5.7
	8.0	3.3	7.5	Operation not recommended						21.6	17.5	0.81	3.00	31.8	7.2	5.4

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG036 - Performance Data

Single Speed PSC (1250 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F						
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h
20	5.0	1.5	3.4	Operation not recommended						Operation not recommended						
	7.0	2.6	6.0	Operation not recommended						Operation not recommended						
	9.0	6.1	14.1	23.4	2.43	15.1	86.9	2.83	2.3							
30	5.0	1.4	3.1	Operation not recommended						Operation not recommended						
	7.0	2.5	5.8	27.4	2.46	19.0	90.1	3.27	2.5	35.9	25.1	0.70	1.64	41.5	21.9	---
	9.0	6.0	13.8	28.2	2.51	19.6	90.7	3.29	2.6	36.4	25.6	0.70	1.54	41.7	23.6	---
40	5.0	1.3	2.9	Operation not recommended						Operation not recommended						
	7.0	2.4	5.5	30.8	2.52	22.2	92.8	3.58	2.9	38.7	27.2	0.70	1.74	44.6	22.2	---
	9.0	5.9	13.6	31.9	2.57	23.2	93.7	3.65	2.9	39.2	27.5	0.70	1.66	44.9	23.6	---
50	5.0	1.1	2.6	33.3	2.53	24.6	94.8	3.85	3.1	40.9	29.1	0.71	1.90	47.4	21.5	1.6
	7.0	2.3	5.2	34.5	2.58	25.7	95.8	3.92	3.2	41.5	29.2	0.70	1.84	47.7	22.5	1.5
	9.0	5.8	13.3	35.7	2.62	26.8	96.7	3.99	3.3	42.0	29.4	0.70	1.78	48.1	23.6	1.5
60	5.0	1.0	2.4	37.7	2.60	28.8	98.3	4.25	3.5	39.2	28.5	0.73	2.09	46.4	18.8	2.0
	7.0	2.2	5.0	39.0	2.64	30.0	99.4	4.33	3.6	39.9	28.7	0.72	2.02	46.8	19.7	1.9
	9.0	5.7	13.1	40.2	2.67	31.1	100.4	4.42	3.6	40.5	28.9	0.71	1.96	47.2	20.7	1.8
70	5.0	0.9	2.1	42.1	2.67	33.0	101.9	4.62	3.9	37.6	27.9	0.74	2.28	45.3	16.5	2.5
	7.0	2.1	4.7	43.5	2.70	34.3	103.0	4.73	4.0	38.3	28.2	0.74	2.21	45.8	17.4	2.4
	9.0	5.5	12.8	44.8	2.72	35.5	104.1	4.83	4.1	39.0	28.5	0.73	2.13	46.3	18.3	2.3
80	5.0	0.8	1.8	46.7	2.73	37.4	105.6	5.01	4.4	36.1	27.1	0.75	2.55	44.8	14.1	3.2
	7.0	1.9	4.5	47.7	2.76	38.3	106.4	5.07	4.5	36.7	27.6	0.75	2.43	45.0	15.1	3.0
	9.0	5.4	12.5	48.8	2.79	39.3	107.3	5.13	4.6	37.4	28.0	0.75	2.36	45.4	15.9	2.9
90	5.0	0.7	1.6	51.2	2.79	41.7	109.3	5.39	4.9	34.5	26.3	0.76	2.79	44.1	12.4	3.9
	7.0	1.8	4.2	52.0	2.83	42.4	109.9	5.40	5.1	35.1	27.0	0.77	2.67	44.2	13.2	3.7
	9.0	5.3	12.3	52.8	2.86	43.1	110.5	5.41	5.2	35.8	27.5	0.77	2.58	44.6	13.9	3.6
100	5.0	0.6	1.3	Operation not recommended						Operation not recommended						
	7.0	1.7	4.0	Operation not recommended						33.3	26.4	0.79	2.98	43.5	11.2	4.6
	9.0	5.2	12.0	Operation not recommended						33.8	26.6	0.79	2.89	43.6	11.7	4.4
110	5.0	0.5	1.1	Operation not recommended						Operation not recommended						
	7.0	1.6	3.7	Operation not recommended						31.2	25.3	0.81	3.28	42.4	9.5	5.7
	9.0	5.1	11.8	Operation not recommended						31.8	25.7	0.81	3.19	42.7	10.0	5.4
120	5.0	0.4	0.8	Operation not recommended						Operation not recommended						
	7.0	1.5	3.5	Operation not recommended						26.5	22.7	0.85	3.61	38.8	7.4	6.8
	9.0	5.0	11.5	Operation not recommended						27.1	23.0	0.85	3.50	39.0	7.7	6.4

11/10/09

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG041 - Performance Data

Single Speed PSC (1300 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F						
		psi	ft. hd	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h
20	5.0	1.6	3.8	Operation not recommended						Operation not recommended						
	8.0	3.6	8.2	Operation not recommended						Operation not recommended						
	11.0	8.0	18.5	25.7	2.81	16.1	85.0	2.68	3.5							
30	5.0	1.5	3.4	Operation not recommended						Operation not recommended						
	8.0	3.4	7.8	28.5	2.82	18.9	86.9	2.97	3.7	41.9	30.4	0.73	1.93	48.4	21.7	---
	11.0	7.9	18.1	29.5	2.86	19.7	87.5	3.02	3.8	42.4	31.0	0.73	1.81	48.6	23.4	---
40	5.0	1.3	3.0	Operation not recommended						Operation not recommended						
	8.0	3.2	7.5	31.7	2.88	21.9	89.0	3.23	4.0	43.8	31.4	0.72	2.06	50.9	21.2	---
	11.0	7.7	17.8	33.0	2.91	23.1	89.8	3.33	4.1	44.4	31.9	0.72	1.95	51.1	22.8	---
50	5.0	1.2	2.7	33.7	2.92	23.7	90.3	3.38	4.4	45.2	32.0	0.71	2.31	53.1	19.6	2.4
	8.0	3.1	7.1	35.2	2.94	25.1	91.2	3.50	4.5	45.8	32.4	0.71	2.20	53.3	20.8	2.4
	11.0	7.5	17.4	36.6	2.96	26.5	92.2	3.62	4.7	46.5	32.7	0.70	2.09	53.6	22.2	2.3
60	5.0	1.0	2.3	37.8	2.99	27.7	93.0	3.72	5.0	44.2	31.5	0.71	2.57	52.9	17.2	3.0
	8.0	2.9	6.7	39.3	3.01	29.0	94.0	3.83	5.1	45.1	31.8	0.70	2.43	53.4	18.6	2.8
	11.0	7.4	17.0	40.7	3.03	30.4	94.9	3.95	5.3	46.1	32.1	0.70	2.30	53.9	20.1	2.7
70	5.0	0.9	2.0	42.0	3.05	31.6	95.8	4.03	5.6	43.1	30.9	0.72	2.82	52.7	15.3	3.8
	8.0	2.8	6.4	43.4	3.07	32.9	96.7	4.14	5.7	44.4	31.2	0.70	2.66	53.5	16.7	3.6
	11.0	7.2	16.7	44.8	3.09	34.3	97.7	4.25	5.9	45.7	31.5	0.69	2.50	54.2	18.3	3.4
80	5.0	0.7	1.6	46.9	3.11	36.3	99.0	4.42	6.3	41.7	30.4	0.73	3.02	52.0	13.8	4.8
	8.0	2.6	6.0	48.0	3.15	37.3	99.8	4.48	6.5	42.6	30.6	0.72	2.88	52.5	14.8	4.5
	11.0	7.1	16.3	49.2	3.18	38.3	100.5	4.54	6.7	43.7	30.8	0.71	2.79	53.2	15.7	4.3
90	5.0	0.5	1.2	51.9	3.18	41.0	102.3	4.78	7.1	40.2	29.8	0.74	3.34	51.6	12.1	6.0
	8.0	2.5	5.7	52.7	3.22	41.7	102.8	4.79	7.3	40.9	30.0	0.73	3.18	51.7	12.8	5.7
	11.0	6.9	16.0	53.5	3.26	42.4	103.4	4.81	7.5	41.7	30.1	0.72	3.08	52.2	13.5	5.5
100	5.0	0.4	0.9	Operation not recommended						Operation not recommended						
	8.0	2.3	5.3	Operation not recommended						38.2	29.0	0.76	3.55	50.3	10.8	7.1
	11.0	6.8	15.6	Operation not recommended						38.8	29.2	0.75	3.44	50.5	11.3	6.8
110	5.0	0.4	0.9	Operation not recommended						Operation not recommended						
	8.0	2.1	4.9	Operation not recommended						35.2	27.9	0.79	3.91	48.5	9.0	8.6
	11.0	6.6	15.2	Operation not recommended						35.9	28.3	0.79	3.80	48.9	9.4	8.3
120	5.0	0.4	0.9	Operation not recommended						Operation not recommended						
	8.0	2.0	4.6	Operation not recommended						31.8	27.1	0.85	4.55	47.4	7.0	10.4
	11.0	6.5	14.9	Operation not recommended						32.5	27.5	0.84	4.42	47.6	7.4	10.0

11/10/09

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG042 - Performance Data

Single Speed PSC (1400 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F						
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h
20	5.0	1.6	3.8	Operation not recommended						Operation not recommended						
	8.0	3.6	8.2	Operation not recommended						Operation not recommended						
	11.0	8.0	18.5	27.0	2.81	17.4	85.9	2.82	3.5							
30	5.0	1.5	3.4	Operation not recommended						Operation not recommended						
	8.0	3.4	7.8	30.0	2.82	20.4	87.8	3.12	3.7	43.6	31.7	0.73	1.93	50.2	22.6	---
	11.0	7.9	18.1	31.0	2.86	21.2	88.5	3.18	3.8	44.2	32.3	0.73	1.81	50.4	24.4	---
40	5.0	1.3	3.0	Operation not recommended						Operation not recommended						
	8.0	3.2	7.5	33.4	2.88	23.5	90.1	3.40	4.0	45.7	32.7	0.72	2.06	52.7	22.1	---
	11.0	7.7	17.8	34.8	2.91	24.8	91.0	3.50	4.1	46.3	33.2	0.72	1.95	53.0	23.7	---
50	5.0	1.2	2.7	35.5	2.92	25.5	91.5	3.56	4.4	47.1	33.4	0.71	2.31	55.0	20.4	2.4
	8.0	3.1	7.1	37.0	2.94	27.0	92.5	3.69	4.5	47.8	33.8	0.71	2.20	55.3	21.7	2.4
	11.0	7.5	17.4	38.5	2.96	28.4	93.5	3.81	4.7	48.4	34.1	0.70	2.09	55.5	23.2	2.3
60	5.0	1.0	2.3	39.9	2.99	29.7	94.4	3.91	5.0	46.0	32.8	0.71	2.57	54.8	17.9	3.0
	8.0	2.9	6.7	41.4	3.01	31.1	95.3	4.03	5.1	47.0	33.1	0.70	2.43	55.3	19.3	2.8
	11.0	7.4	17.0	42.9	3.03	32.5	96.3	4.15	5.3	48.0	33.5	0.70	2.30	55.8	20.9	2.7
70	5.0	0.9	2.0	44.2	3.05	33.8	97.2	4.25	5.6	44.9	32.2	0.72	2.82	54.5	15.9	3.8
	8.0	2.8	6.4	45.7	3.07	35.2	98.2	4.36	5.7	46.3	32.5	0.70	2.66	55.3	17.4	3.6
	11.0	7.2	16.7	47.2	3.09	36.7	99.2	4.48	5.9	47.6	32.8	0.69	2.50	56.1	19.0	3.4
80	5.0	0.7	1.6	49.4	3.11	38.8	100.7	4.65	6.3	43.4	31.6	0.73	3.02	53.8	14.4	4.8
	8.0	2.6	6.0	50.6	3.15	39.8	101.5	4.71	6.5	44.4	31.9	0.72	2.88	54.3	15.4	4.5
	11.0	7.1	16.3	51.8	3.18	40.9	102.2	4.78	6.7	45.6	32.1	0.70	2.79	55.1	16.3	4.3
90	5.0	0.5	1.2	54.6	3.18	43.8	104.1	5.04	7.1	42.0	31.0	0.74	3.34	53.4	12.6	6.0
	8.0	2.5	5.7	55.5	3.22	44.5	104.7	5.05	7.3	42.6	31.2	0.73	3.18	53.5	13.4	5.7
	11.0	6.9	16.0	56.3	3.26	45.2	105.2	5.06	7.5	43.5	31.4	0.72	3.08	54.0	14.1	5.5
100	5.0	0.4	0.9	Operation not recommended						Operation not recommended						
	8.0	2.3	5.3	Operation not recommended						39.8	30.2	0.76	3.55	52.0	11.2	7.1
	11.0	6.8	15.6	Operation not recommended						40.5	30.5	0.75	3.44	52.2	11.8	6.8
110	5.0	0.4	0.9	Operation not recommended						Operation not recommended						
	8.0	2.1	4.9	Operation not recommended						36.7	29.1	0.79	3.91	50.0	9.4	8.6
	11.0	6.6	15.2	Operation not recommended						37.4	29.5	0.79	3.80	50.4	9.8	8.3
120	5.0	0.4	0.9	Operation not recommended						Operation not recommended						
	8.0	2.0	4.6	Operation not recommended						33.2	28.2	0.85	4.55	48.7	7.3	10.4
	11.0	6.5	14.9	Operation not recommended						33.9	28.6	0.84	4.42	49.0	7.7	10.0

11/10/09

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG048 - Performance Data

Single Speed PSC (1600 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F						
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h
20	6.0	2.2	5.1	Operation not recommended						Operation not recommended						
	9.0	4.4	10.0	Operation not recommended						Operation not recommended						
	12.0	6.8	15.8	30.8	3.32	19.5	87.0	2.72	4.6							
30	6.0	2.0	4.7	Operation not recommended						Operation not recommended						
	9.0	4.2	9.6	35.3	3.31	24.0	89.8	3.12	4.9	50.3	31.3	0.62	2.33	58.3	21.6	---
	12.0	6.7	15.5	35.8	3.35	24.4	90.1	3.13	5.0	51.0	31.9	0.63	2.19	58.5	23.3	---
40	6.0	1.9	4.3	Operation not recommended						Operation not recommended						
	9.0	4.0	9.2	40.1	3.44	28.4	92.8	3.41	5.4	53.1	34.8	0.65	2.52	61.7	21.1	---
	12.0	6.5	15.0	41.9	3.51	30.0	93.9	3.51	5.5	54.0	35.5	0.66	2.39	62.2	22.6	---
50	6.0	1.7	3.9	42.9	3.50	31.0	94.5	3.60	5.9	54.9	37.4	0.68	2.84	64.6	19.3	2.9
	9.0	3.8	8.8	45.5	3.58	33.3	96.1	3.73	6.1	56.0	38.3	0.68	2.72	65.2	20.6	2.8
	12.0	6.3	14.6	48.1	3.66	35.6	97.7	3.85	6.2	57.0	39.1	0.69	2.59	65.8	22.0	2.7
60	6.0	1.5	3.5	49.5	3.67	37.0	98.6	3.96	6.7	54.5	37.4	0.69	3.14	65.2	17.4	3.5
	9.0	3.6	8.4	52.2	3.73	39.5	100.2	4.11	6.8	55.4	38.0	0.69	2.99	65.6	18.5	3.4
	12.0	6.1	14.1	54.9	3.79	42.0	101.9	4.25	7.0	56.2	38.6	0.69	2.85	65.9	19.8	3.2
70	6.0	1.3	3.0	56.1	3.83	43.0	102.6	4.29	7.5	54.1	37.3	0.69	3.43	65.8	15.8	4.5
	9.0	3.5	8.0	58.9	3.87	45.7	104.4	4.46	7.7	54.8	37.7	0.69	3.27	65.9	16.8	4.3
	12.0	5.9	13.7	61.7	3.91	48.4	106.1	4.63	7.9	55.4	38.2	0.69	3.10	66.0	17.9	4.0
80	6.0	1.1	2.6	61.3	3.91	47.9	105.8	4.59	8.4	51.4	35.8	0.70	3.71	64.0	13.9	5.6
	9.0	3.3	7.6	63.2	3.96	49.7	107.0	4.68	8.6	52.1	36.4	0.70	3.54	64.2	14.7	5.3
	12.0	5.8	13.3	65.2	4.01	51.5	108.2	4.77	8.9	52.9	36.9	0.70	3.43	64.6	15.5	5.1
90	6.0	1.0	2.2	66.5	4.00	52.9	109.1	4.88	9.4	48.7	34.3	0.70	4.06	62.5	12.0	7.0
	9.0	3.1	7.1	67.5	4.05	53.7	109.7	4.89	9.7	49.4	35.0	0.71	3.87	62.7	12.8	6.7
	12.0	5.6	12.9	68.6	4.10	54.6	110.3	4.90	10.1	50.4	35.6	0.70	3.75	63.2	13.5	6.4
100	6.0	0.8	1.8	Operation not recommended						Operation not recommended						
	9.0	2.9	6.7	Operation not recommended						46.7	34.3	0.74	4.37	61.6	10.7	8.4
	12.0	5.4	12.5	Operation not recommended						47.4	34.6	0.73	4.23	61.8	11.2	8.0
110	6.0	0.6	1.4	Operation not recommended						Operation not recommended						
	9.0	2.7	6.3	Operation not recommended						43.4	33.2	0.76	4.83	59.9	9.0	10.3
	12.0	5.2	12.1	Operation not recommended						44.3	33.7	0.76	4.70	60.4	9.4	9.7
120	6.0	0.4	1.0	Operation not recommended						Operation not recommended						
	9.0	2.6	5.9	Operation not recommended						40.1	32.0	0.80	5.40	58.5	7.4	12.4
	12.0	5.0	11.6	Operation not recommended						41.0	32.5	0.79	5.24	58.8	7.8	11.8

7/6/10

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG060 - Performance Data

Single Speed PSC (2000 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F						
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h
20	9.0	3.8	8.7	Operation not recommended						Operation not recommended						
	12.0	6.3	14.5	Operation not recommended						Operation not recommended						
	15.0	9.7	22.5	41.9	4.06	28.0	87.4	3.02	5.5							
30	9.0	3.6	8.4	Operation not recommended						Operation not recommended						
	12.0	6.1	14.1	43.8	3.99	30.2	88.3	3.22	5.9	72.0	49.1	0.68	2.96	82.1	24.3	---
	15.0	9.6	22.2	46.5	4.11	32.5	89.5	3.31	6.1	73.0	50.0	0.68	2.78	82.5	26.3	---
40	9.0	3.5	8.0	Operation not recommended						Operation not recommended						
	12.0	6.0	13.7	49.7	4.12	35.6	91.0	3.53	6.6	70.8	48.8	0.69	3.11	81.4	22.8	---
	15.0	9.4	21.7	52.2	4.22	37.8	92.2	3.63	6.7	71.8	49.5	0.69	2.97	81.9	24.2	---
50	9.0	3.3	7.6	54.6	4.20	40.3	93.3	3.81	7.1	68.5	48.0	0.70	3.34	79.9	20.5	3.9
	12.0	5.8	13.4	56.2	4.26	41.7	94.0	3.87	7.3	69.5	48.5	0.70	3.25	80.6	21.4	3.7
	15.0	9.2	21.3	57.8	4.32	43.1	94.8	3.92	7.5	70.5	48.9	0.69	3.16	81.3	22.3	3.5
60	9.0	3.1	7.3	62.2	4.35	47.3	96.8	4.19	8.0	67.3	47.0	0.70	3.64	79.7	18.5	4.8
	12.0	5.6	13.0	64.3	4.41	49.3	97.8	4.28	8.3	68.2	47.6	0.70	3.54	80.3	19.3	4.6
	15.0	9.1	21.0	66.4	4.46	51.2	98.8	4.36	8.5	69.1	48.3	0.70	3.45	80.9	20.1	4.4
70	9.0	3.0	6.9	69.8	4.50	54.4	100.3	4.54	9.0	66.0	46.0	0.70	3.93	79.4	16.8	6.0
	12.0	5.5	12.6	72.4	4.55	56.9	101.5	4.66	9.3	66.9	46.8	0.70	3.83	79.9	17.5	5.7
	15.0	8.9	20.6	75.0	4.60	59.3	102.7	4.78	9.5	67.7	47.6	0.70	3.73	80.4	18.2	5.4
80	9.0	2.8	6.5	76.2	4.59	60.6	103.3	4.87	10.2	62.2	45.0	0.72	4.45	77.4	14.0	7.6
	12.0	5.3	12.3	78.2	4.65	62.3	104.2	4.93	10.5	63.1	45.7	0.72	4.25	77.6	14.9	7.2
	15.0	8.8	20.2	80.1	4.70	64.1	105.1	5.00	10.7	64.1	46.3	0.72	4.11	78.1	15.6	6.8
90	9.0	2.7	6.1	82.7	4.68	66.8	106.3	5.18	11.4	58.4	43.9	0.75	4.86	75.0	12.0	9.5
	12.0	5.2	11.9	84.0	4.74	67.8	106.9	5.19	11.8	59.3	44.6	0.75	4.64	75.2	12.8	9.0
	15.0	8.6	19.9	85.3	4.80	68.9	107.5	5.21	12.2	60.5	45.0	0.74	4.49	75.9	13.5	8.6
100	9.0	2.5	5.8	Operation not recommended						Operation not recommended						
	12.0	5.0	11.5	Operation not recommended						56.1	43.4	0.77	5.15	73.7	10.9	11.2
	15.0	8.4	19.5	Operation not recommended						57.0	43.7	0.77	4.99	74.0	11.4	10.6
110	9.0	2.3	5.4	Operation not recommended						Operation not recommended						
	12.0	4.8	11.2	Operation not recommended						52.3	41.8	0.80	5.63	71.6	9.3	13.8
	15.0	8.3	19.1	Operation not recommended						53.4	42.4	0.79	5.48	72.1	9.7	13.1
120	9.0	2.2	5.0	Operation not recommended						Operation not recommended						
	12.0	4.7	10.8	Operation not recommended						48.0	39.9	0.83	6.25	69.3	7.7	16.6
	15.0	8.1	18.8	Operation not recommended						49.0	40.5	0.83	6.07	69.7	8.1	15.9

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG070 - Performance Data

Single Speed PSC (2200 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F						
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h
20	12.0	4.3	9.8	Operation not recommended						Operation not recommended						
	15.0	5.6	13.0	Operation not recommended						Operation not recommended						
	18.0	9.0	20.8	46.0	4.98	29.0	87.4	2.71	6.5							
30	12.0	4.1	9.4	Operation not recommended						Operation not recommended						
	15.0	5.9	13.6	52.0	4.92	35.2	89.9	3.09	7.0	73.0	46.1	0.63	3.30	84.3	22.1	---
	18.0	8.8	20.3	53.7	5.06	36.4	90.6	3.11	7.3	74.0	47.0	0.64	3.10	84.6	23.9	---
40	12.0	3.8	8.8	Operation not recommended						Operation not recommended						
	15.0	5.2	12.0	58.4	5.10	41.0	92.6	3.35	7.8	74.6	49.3	0.66	3.49	86.5	21.4	---
	18.0	8.6	19.8	60.9	5.20	43.1	93.6	3.43	8.0	76.1	50.5	0.66	3.36	87.5	22.7	---
50	12.0	3.6	8.4	62.8	5.25	44.9	94.4	3.51	8.5	74.2	51.0	0.69	3.74	87.0	19.8	4.3
	15.0	5.0	11.5	65.4	5.29	47.4	95.5	3.62	8.7	76.2	52.5	0.69	3.68	88.7	20.7	4.1
	18.0	8.4	19.3	68.0	5.33	49.8	96.6	3.74	8.9	78.2	54.0	0.69	3.61	90.5	21.7	3.9
60	12.0	3.4	7.9	71.9	5.46	53.3	98.3	3.86	9.5	71.6	50.0	0.70	4.08	85.5	17.6	5.2
	15.0	4.8	11.0	73.9	5.49	55.2	99.1	3.95	9.8	73.3	51.3	0.70	4.00	87.0	18.3	4.9
	18.0	8.2	18.8	76.0	5.52	57.2	100.0	4.03	10.1	75.1	52.5	0.70	3.92	88.4	19.1	4.8
70	12.0	3.2	7.4	81.0	5.66	61.7	102.1	4.19	10.7	69.0	49.0	0.71	4.41	84.0	15.6	6.6
	15.0	4.6	10.5	82.5	5.69	63.1	102.7	4.25	11.0	70.5	50.0	0.71	4.32	85.2	16.3	6.3
	18.0	7.9	18.3	84.0	5.71	64.5	103.3	4.31	11.3	71.9	51.0	0.71	4.23	86.4	17.0	6.0
80	12.0	3.0	6.9	89.7	5.82	69.8	105.8	4.52	12.1	65.3	47.4	0.73	5.04	82.5	12.9	8.3
	15.0	4.4	10.0	91.2	5.88	71.2	106.4	4.55	12.4	66.5	48.3	0.73	4.81	82.9	13.8	7.9
	18.0	7.7	17.9	92.7	5.93	72.5	107.0	4.59	12.8	67.9	49.0	0.72	4.66	83.8	14.6	7.5
90	12.0	2.8	6.4	98.4	5.99	78.0	109.4	4.82	13.6	61.6	45.8	0.74	5.50	80.4	11.2	10.4
	15.0	4.1	9.5	99.9	6.07	79.2	110.1	4.83	14.0	62.5	46.6	0.75	5.25	80.4	11.9	9.9
	18.0	7.5	17.3	101.5	6.14	80.5	110.7	4.84	14.4	63.8	47.0	0.74	5.08	81.1	12.6	9.4
100	12.0	2.5	5.9	Operation not recommended						Operation not recommended						
	15.0	3.9	9.1	Operation not recommended						59.7	44.9	0.75	5.83	79.6	10.2	12.4
	18.0	7.3	16.9	Operation not recommended						60.6	45.3	0.75	5.65	79.8	10.7	11.7
110	12.0	2.3	5.4	Operation not recommended						Operation not recommended						
	15.0	3.7	8.5	Operation not recommended						56.2	42.9	0.76	6.38	78.0	8.8	15.1
	18.0	7.1	16.4	Operation not recommended						57.4	43.5	0.76	6.21	78.5	9.2	14.3
120	12.0	2.1	4.9	Operation not recommended						Operation not recommended						
	15.0	3.5	8.1	Operation not recommended						51.9	41.4	0.80	7.09	76.0	7.3	18.2
	18.0	6.9	15.9	Operation not recommended						53.0	42.0	0.79	6.88	76.4	7.7	17.3

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG015 - Performance Data

Single Speed Variable Speed ECM or 5-Speed ECM (500 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F						
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h
20	2.0	0.6	1.4	Operation not recommended						Operation not recommended						
	3.0	1.2	2.8	Operation not recommended						Operation not recommended						
	4.0	2.0	4.6	10.0	0.95	6.8	86.5	3.09	1.2	Operation not recommended						
30	2.0	0.6	1.4	Operation not recommended						Operation not recommended						
	3.0	1.1	2.6	11.0	0.99	7.6	88.3	3.25	1.3	14.5	9.8	0.68	0.66	16.8	22.0	---
	4.0	1.9	4.4	11.0	0.95	7.8	88.4	3.39	1.3	14.7	10.0	0.68	0.62	16.8	23.7	---
40	2.0	0.6	1.3	Operation not recommended						Operation not recommended						
	3.0	1.1	2.5	12.1	1.00	8.7	90.4	3.54	1.3	15.6	10.6	0.68	0.72	18.1	21.7	---
	4.0	1.8	4.3	12.4	0.99	9.0	90.9	3.67	1.3	15.9	10.8	0.68	0.69	18.2	23.0	---
50	2.0	0.5	1.2	13.0	1.01	9.6	92.1	3.77	1.4	16.5	11.3	0.68	0.80	19.2	20.6	0.8
	3.0	1.0	2.3	13.4	1.02	9.9	92.7	3.85	1.4	16.8	11.4	0.68	0.78	19.4	21.5	0.8
	4.0	1.8	4.1	13.7	1.02	10.2	93.4	3.94	1.5	17.0	11.5	0.68	0.76	19.6	22.4	0.8
60	2.0	0.5	1.2	14.4	1.02	10.9	94.6	4.12	1.6	15.7	10.9	0.69	0.87	18.7	18.2	0.9
	3.0	0.9	2.1	14.8	1.03	11.3	95.4	4.22	1.6	16.0	11.0	0.69	0.84	18.8	19.1	0.9
	4.0	1.7	3.9	15.3	1.04	11.7	96.2	4.32	1.7	16.2	11.1	0.68	0.81	18.9	20.1	0.8
70	2.0	0.5	1.1	15.7	1.03	12.2	97.1	4.47	1.8	14.9	10.5	0.70	0.93	18.1	16.0	1.1
	3.0	0.8	1.9	16.3	1.04	12.7	98.1	4.58	1.8	15.2	10.6	0.70	0.89	18.2	17.0	1.1
	4.0	1.6	3.7	16.8	1.05	13.2	99.1	4.69	1.8	15.4	10.6	0.69	0.85	18.3	18.1	1.0
80	2.0	0.5	1.1	17.6	1.05	14.0	100.5	4.92	2.0	14.2	10.2	0.72	0.98	17.5	14.4	1.4
	3.0	0.8	1.8	18.0	1.06	14.4	101.3	4.98	2.0	14.4	10.3	0.71	0.94	17.6	15.4	1.3
	4.0	1.5	3.6	18.4	1.07	14.7	102.1	5.04	2.1	14.7	10.4	0.71	0.91	17.7	16.2	1.3
90	2.0	0.4	1.0	19.4	1.06	15.8	103.9	5.35	2.3	13.4	9.9	0.74	1.04	17.0	12.9	1.8
	3.0	0.7	1.6	19.7	1.08	16.0	104.5	5.36	2.3	13.6	10.0	0.73	0.99	17.0	13.7	1.7
	4.0	1.5	3.4	20.0	1.09	16.3	105.0	5.38	2.3	13.9	10.1	0.73	0.96	17.2	14.5	1.6
100	2.0	0.4	0.9	Operation not recommended						Operation not recommended						
	3.0	0.6	1.4	Operation not recommended						12.8	9.7	0.76	1.11	16.5	11.5	2.1
	4.0	1.4	3.2	Operation not recommended						13.0	9.8	0.76	1.08	16.6	12.0	1.9
110	2.0	0.4	0.9	Operation not recommended						Operation not recommended						
	3.0	0.5	1.2	Operation not recommended						11.8	9.4	0.80	1.22	15.9	9.6	2.7
	4.0	1.3	3.0	Operation not recommended						12.0	9.5	0.79	1.19	16.1	10.1	2.5
120	2.0	0.4	0.9	Operation not recommended						Operation not recommended						
	3.0	0.5	1.1	Operation not recommended						10.8	9.1	0.84	1.36	15.4	7.9	3.3
	4.0	1.2	2.9	Operation not recommended						11.0	9.2	0.84	1.32	15.5	8.3	3.0

11/10/09

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG018 - Performance Data

Single Speed Variable Speed ECM or 5-Speed ECM (600 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F						
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h
20	3.0	1.2	2.8	Operation not recommended						Operation not recommended						
	4.0	2.0	4.6	Operation not recommended						Operation not recommended						
	5.0	3.4	7.8	13.0	1.15	9.1	88.1	3.31	1.4	Operation not recommended						
30	3.0	1.1	2.6	Operation not recommended						Operation not recommended						
	4.0	1.9	4.4	14.5	1.23	10.3	90.3	3.45	1.5	18.2	11.8	0.65	0.80	20.9	22.7	---
	5.0	3.3	7.6	14.9	1.25	10.6	91.0	3.49	1.5	18.4	12.0	0.65	0.75	21.0	24.5	---
40	3.0	1.1	2.5	Operation not recommended						Operation not recommended						
	4.0	1.8	4.3	15.7	1.28	11.3	92.2	3.59	1.6	19.1	12.4	0.65	0.85	22.0	22.3	---
	5.0	3.2	7.5	16.5	1.31	12.0	93.4	3.68	1.6	19.4	12.6	0.65	0.83	22.2	23.5	---
50	3.0	1.0	2.3	16.0	1.30	11.6	92.7	3.61	1.7	19.7	12.8	0.65	0.92	22.8	21.4	0.9
	4.0	1.8	4.1	17.0	1.34	12.4	94.2	3.73	1.7	20.0	13.0	0.65	0.91	23.1	22.0	0.9
	5.0	3.2	7.3	18.0	1.37	13.3	95.8	3.85	1.8	20.3	13.1	0.65	0.90	23.4	22.6	0.9
60	3.0	0.9	2.1	17.5	1.37	12.8	95.0	3.76	1.9	18.7	12.4	0.66	1.01	22.1	18.6	1.1
	4.0	1.7	3.9	18.5	1.39	13.7	96.5	3.89	1.9	18.9	12.6	0.67	1.00	22.3	19.0	1.1
	5.0	3.1	7.1	19.5	1.42	14.7	98.1	4.02	2.0	19.2	12.8	0.67	0.99	22.5	19.4	1.0
70	3.0	0.8	1.9	19.0	1.43	14.1	97.3	3.89	2.1	17.7	12.0	0.68	1.09	21.4	16.2	1.3
	4.0	1.6	3.7	20.0	1.45	15.1	98.9	4.04	2.1	17.9	12.3	0.69	1.08	21.5	16.5	1.3
	5.0	3.0	6.9	21.0	1.47	16.0	100.4	4.19	2.2	18.0	12.5	0.69	1.07	21.7	16.8	1.2
80	3.0	0.8	1.8	21.9	1.50	16.7	101.7	4.26	2.4	16.6	11.4	0.69	1.29	21.0	12.8	1.7
	4.0	1.5	3.6	22.6	1.53	17.4	102.8	4.33	2.4	16.8	11.7	0.70	1.23	21.0	13.6	1.6
	5.0	2.9	6.8	23.3	1.55	18.0	103.9	4.41	2.5	17.0	12.0	0.70	1.20	21.1	14.2	1.5
90	3.0	0.7	1.6	24.7	1.58	19.3	106.2	4.59	2.8	15.4	10.8	0.70	1.43	20.3	10.8	2.2
	4.0	1.5	3.4	25.1	1.60	19.7	106.8	4.60	2.8	15.7	11.1	0.71	1.36	20.3	11.5	2.0
	5.0	2.9	6.6	25.5	1.62	20.0	107.4	4.61	2.8	16.0	11.4	0.71	1.32	20.5	12.1	1.9
100	3.0	0.6	1.4	Operation not recommended						Operation not recommended						
	4.0	1.4	3.2	Operation not recommended						14.9	11.0	0.74	1.46	19.8	10.2	2.5
	5.0	2.8	6.4	Operation not recommended						15.1	11.1	0.73	1.41	19.9	10.7	2.3
110	3.0	0.5	1.2	Operation not recommended						Operation not recommended						
	4.0	1.3	3.0	Operation not recommended						13.9	10.5	0.76	1.54	19.2	9.0	3.2
	5.0	2.7	6.2	Operation not recommended						14.2	10.7	0.75	1.50	19.3	9.5	3.0
120	3.0	0.5	1.1	Operation not recommended						Operation not recommended						
	4.0	1.2	2.9	Operation not recommended						13.2	10.1	0.76	1.70	19.0	7.8	4.0
	5.0	2.6	6.1	Operation not recommended						13.5	10.2	0.76	1.65	19.1	8.2	3.6

11/10/09

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG023 - Performance Data

Single Speed Variable Speed ECM or 5-Speed ECM (800 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F					COOLING - EAT 80/67°F					
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER
20	3.0	1.2	2.8	Operation not recommended					Operation not recommended					
	4.5	2.4	5.6	Operation not recommended					Operation not recommended					
	6.0	4.6	10.6	15.0	1.53	9.8	85.4	2.87	Operation not recommended					
30	3.0	1.1	2.6	Operation not recommended					Operation not recommended					
	4.5	2.4	5.5	17.9	1.59	12.4	88.7	3.29	26.3	16.7	0.63	0.94	29.6	27.9
	6.0	4.5	10.5	18.2	1.61	12.7	89.1	3.31	26.7	17.0	0.64	0.89	29.7	30.2
40	3.0	1.1	2.5	Operation not recommended					Operation not recommended					
	4.5	2.3	5.3	19.6	1.63	14.1	90.7	3.54	26.5	17.0	0.64	1.04	30.1	25.4
	6.0	4.5	10.3	20.3	1.65	14.6	91.4	3.60	26.8	17.3	0.64	0.98	30.1	27.3
50	3.0	1.0	2.3	20.8	1.64	15.2	92.1	3.71	26.4	17.3	0.66	1.22	30.6	21.7
	4.5	2.2	5.2	21.6	1.66	15.9	92.9	3.79	26.7	17.4	0.65	1.15	30.6	23.2
	6.0	4.4	10.2	22.3	1.69	16.5	93.8	3.87	26.9	17.5	0.65	1.08	30.6	25.0
60	3.0	1.0	2.2	23.0	1.68	17.3	94.6	4.01	25.7	17.0	0.66	1.37	30.4	18.8
	4.5	2.2	5.0	23.8	1.70	18.0	95.5	4.09	26.0	17.1	0.66	1.29	30.3	20.2
	6.0	4.3	10.0	24.6	1.72	18.7	96.5	4.18	26.2	17.2	0.66	1.21	30.3	21.7
70	3.0	0.9	2.0	25.2	1.72	19.3	97.2	4.28	25.0	16.7	0.67	1.52	30.2	16.5
	4.5	2.1	4.9	26.1	1.74	20.1	98.2	4.38	25.3	16.8	0.67	1.43	30.1	17.7
	6.0	4.3	9.9	26.9	1.76	20.9	99.1	4.48	25.5	16.9	0.66	1.34	30.1	19.0
80	3.0	0.8	1.9	27.9	1.73	22.0	100.3	4.72	23.8	16.2	0.68	1.65	29.5	14.4
	4.5	2.1	4.7	28.5	1.75	22.6	101.0	4.78	24.1	16.3	0.68	1.58	29.5	15.3
	6.0	4.2	9.7	29.2	1.77	23.2	101.8	4.83	24.5	16.5	0.67	1.53	29.7	16.1
90	3.0	0.8	1.7	30.6	1.74	24.6	103.4	5.16	22.7	15.6	0.69	1.85	29.0	12.2
	4.5	2.0	4.6	31.0	1.76	25.0	103.9	5.17	23.0	15.8	0.69	1.77	29.1	13.0
	6.0	4.1	9.6	31.5	1.78	25.4	104.5	5.19	23.5	16.0	0.68	1.71	29.3	13.7
100	3.0	0.7	1.6	Operation not recommended					Operation not recommended					
	4.5	1.9	4.4	Operation not recommended					21.7	15.1	0.69	2.04	28.7	10.7
	6.0	4.1	9.4	Operation not recommended					22.1	15.2	0.69	1.97	28.8	11.2
110	3.0	0.6	1.4	Operation not recommended					Operation not recommended					
	4.5	1.9	4.3	Operation not recommended					20.2	14.2	0.70	2.30	28.0	8.8
	6.0	4.0	9.3	Operation not recommended					20.6	14.4	0.70	2.24	28.2	9.2
120	3.0	0.6	1.3	Operation not recommended					Operation not recommended					
	4.5	1.8	4.1	Operation not recommended					18.4	14.2	0.77	2.70	27.6	6.8
	6.0	3.9	9.1	Operation not recommended					18.8	14.4	0.77	2.63	27.8	7.2

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG024 - Performance Data

Single Speed Variable Speed ECM or 5-Speed ECM (800 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F						
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h
20	3.0	1.2	2.8	Operation not recommended						Operation not recommended						
	4.5	2.4	5.6	Operation not recommended						Operation not recommended						
	6.0	4.6	10.6	15.6	1.53	10.3	86.0	2.98	1.6							
30	3.0	1.1	2.6	Operation not recommended						Operation not recommended						
	4.5	2.4	5.5	18.7	1.59	13.2	89.6	3.44	1.7	27.5	17.4	0.63	0.94	30.7	29.1	---
	6.0	4.5	10.5	19.0	1.61	13.5	90.0	3.46	1.7	27.8	17.7	0.64	0.89	30.9	31.5	---
40	3.0	1.1	2.5	Operation not recommended						Operation not recommended						
	4.5	2.3	5.3	20.5	1.63	14.9	91.7	3.69	1.9	27.6	17.7	0.64	1.04	31.2	26.4	---
	6.0	4.5	10.3	21.1	1.65	15.5	92.4	3.75	1.9	27.9	18.0	0.64	0.98	31.3	28.5	---
50	3.0	1.0	2.3	21.7	1.64	16.1	93.2	3.88	2.1	27.5	18.0	0.65	1.22	31.7	22.6	1.3
	4.5	2.2	5.2	22.5	1.66	16.8	94.0	3.96	2.1	27.8	18.1	0.65	1.15	31.7	24.2	1.2
	6.0	4.4	10.2	23.2	1.69	17.4	94.9	4.03	2.2	28.0	18.2	0.65	1.08	31.6	26.0	1.2
60	3.0	1.0	2.2	24.0	1.68	18.2	95.7	4.17	2.3	26.8	17.7	0.66	1.37	31.5	19.6	1.5
	4.5	2.2	5.0	24.8	1.70	19.0	96.7	4.26	2.4	27.0	17.8	0.66	1.29	31.4	21.0	1.4
	6.0	4.3	10.0	25.6	1.72	19.7	97.6	4.35	2.4	27.3	17.9	0.66	1.21	31.4	22.6	1.4
70	3.0	0.9	2.0	26.2	1.72	20.3	98.3	4.45	2.6	26.1	17.4	0.67	1.52	31.3	17.2	1.8
	4.5	2.1	4.9	27.1	1.74	21.1	99.4	4.56	2.6	26.3	17.5	0.66	1.43	31.2	18.4	1.8
	6.0	4.3	9.9	28.0	1.76	22.0	100.4	4.66	2.7	26.6	17.6	0.66	1.34	31.1	19.8	1.7
80	3.0	0.8	1.9	29.0	1.73	23.1	101.5	4.91	2.9	24.9	16.8	0.68	1.65	30.5	15.0	2.3
	4.5	2.1	4.7	29.7	1.75	23.7	102.4	4.97	2.9	25.2	17.0	0.68	1.58	30.5	16.0	2.2
	6.0	4.2	9.7	30.4	1.77	24.3	103.2	5.03	3.0	25.5	17.1	0.67	1.53	30.7	16.7	2.1
90	3.0	0.8	1.7	31.8	1.74	25.9	104.8	5.37	3.3	23.6	16.2	0.69	1.85	29.9	12.8	2.8
	4.5	2.0	4.6	32.3	1.76	26.3	105.4	5.38	3.4	24.0	16.5	0.69	1.77	30.0	13.6	2.7
	6.0	4.1	9.6	32.8	1.78	26.7	105.9	5.40	3.5	24.5	16.7	0.68	1.71	30.3	14.3	2.5
100	3.0	0.7	1.6	Operation not recommended						Operation not recommended						
	4.5	1.9	4.4	Operation not recommended						22.7	16.0	0.71	2.04	29.6	11.1	3.4
	6.0	4.1	9.4	Operation not recommended						23.0	16.2	0.70	1.97	29.7	11.7	3.2
110	3.0	0.6	1.4	Operation not recommended						Operation not recommended						
	4.5	1.9	4.3	Operation not recommended						21.1	15.4	0.73	2.30	29.0	9.2	4.1
	6.0	4.0	9.3	Operation not recommended						21.5	15.6	0.73	2.24	29.2	9.6	3.9
120	3.0	0.6	1.3	Operation not recommended						Operation not recommended						
	4.5	1.8	4.1	Operation not recommended						19.1	14.8	0.77	2.70	28.4	7.1	4.9
	6.0	3.9	9.1	Operation not recommended						19.6	15.0	0.77	2.63	28.5	7.4	4.6

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG030 - Performance Data

Single Speed Variable Speed ECM or 5-Speed ECM (1000 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F						
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h
20	4.0	1.0	2.2	Operation not recommended						Operation not recommended						
	6.0	1.9	4.5	Operation not recommended						Operation not recommended						
	8.0	3.8	8.7	20.0	1.70	14.2	86.5	3.45	1.9							
30	4.0	0.9	2.1	Operation not recommended						Operation not recommended						
	6.0	1.9	4.4	21.2	1.76	15.1	87.6	3.52	2.1	30.4	19.3	0.64	1.17	34.4	25.9	---
	8.0	3.7	8.5	22.0	1.78	15.9	88.4	3.62	2.1	30.8	19.7	0.64	1.10	34.6	28.0	---
40	4.0	0.9	2.0	Operation not recommended						Operation not recommended						
	6.0	1.8	4.3	23.9	1.80	17.7	90.1	3.89	2.3	31.3	20.2	0.64	1.21	35.4	25.9	---
	8.0	3.7	8.4	25.0	1.82	18.7	91.1	4.02	2.4	32.4	20.9	0.65	1.20	36.5	27.0	---
50	4.0	0.8	1.9	25.8	1.81	19.6	91.9	4.18	2.5	30.5	19.9	0.65	1.19	34.6	25.6	1.4
	6.0	1.8	4.1	26.9	1.84	20.6	92.9	4.29	2.6	32.3	21.0	0.65	1.25	36.5	25.9	1.3
	8.0	3.6	8.3	27.9	1.86	21.6	93.8	4.40	2.7	34.0	22.1	0.65	1.30	38.4	26.2	1.3
60	4.0	0.8	1.8	29.4	1.85	23.1	95.2	4.66	2.9	30.1	19.7	0.66	1.34	34.6	22.4	1.6
	6.0	1.7	4.0	30.5	1.87	24.1	96.2	4.77	2.9	31.9	20.9	0.66	1.40	36.7	22.9	1.5
	8.0	3.6	8.2	31.6	1.90	25.1	97.3	4.89	3.0	33.8	22.1	0.66	1.45	38.7	23.3	1.4
70	4.0	0.7	1.6	33.0	1.89	26.6	98.6	5.12	3.2	29.6	19.5	0.66	1.49	34.7	19.9	2.0
	6.0	1.7	3.9	34.2	1.91	27.6	99.6	5.24	3.3	31.6	20.8	0.66	1.55	36.9	20.5	1.9
	8.0	3.5	8.1	35.3	1.93	28.7	100.7	5.36	3.4	33.6	22.2	0.66	1.60	39.1	21.0	1.8
80	4.0	0.7	1.5	36.9	1.99	30.1	102.1	5.42	3.6	29.3	19.3	0.66	1.94	35.9	15.1	2.5
	6.0	1.6	3.8	37.8	2.02	30.9	103.0	5.49	3.7	30.7	20.4	0.66	1.85	37.1	16.6	2.4
	8.0	3.5	8.0	38.7	2.04	31.7	103.8	5.55	3.8	32.1	21.5	0.67	1.79	38.2	17.9	2.3
90	4.0	0.6	1.4	40.7	2.10	33.6	105.7	5.70	4.1	29.0	19.0	0.66	2.14	36.3	13.5	3.3
	6.0	1.6	3.7	41.4	2.12	34.1	106.3	5.71	4.2	29.9	20.0	0.67	2.05	36.9	14.6	3.1
	8.0	3.4	7.9	42.0	2.15	34.7	106.9	5.73	4.3	30.5	20.7	0.68	1.98	37.3	15.4	3.0
100	4.0	0.6	1.3	Operation not recommended						Operation not recommended						
	6.0	1.6	3.6	Operation not recommended						27.5	19.7	0.72	2.37	35.6	11.6	3.9
	8.0	3.4	7.8	Operation not recommended						28.0	19.9	0.71	2.30	35.8	12.2	3.7
110	4.0	0.5	1.2	Operation not recommended						Operation not recommended						
	6.0	1.5	3.5	Operation not recommended						24.9	18.7	0.75	2.68	34.0	9.3	4.9
	8.0	3.3	7.6	Operation not recommended						25.4	19.0	0.75	2.61	34.3	9.7	4.5
120	4.0	0.5	1.1	Operation not recommended						Operation not recommended						
	6.0	1.5	3.3	Operation not recommended						21.1	17.2	0.82	2.88	31.0	7.3	5.7
	8.0	3.3	7.5	Operation not recommended						21.6	17.5	0.81	2.80	31.2	7.7	5.4

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG036 - Performance Data

Single Speed Variable Speed ECM or 5-Speed ECM (1150 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F																		
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h												
20	5.0	1.5	3.4	Operation not recommended						Operation not recommended																		
	7.0	2.6	6.0																									
	9.0	6.1	14.1	23.4	2.31	15.6	86.9	2.97	2.3																			
30	5.0	1.4	3.1	Operation not recommended						Operation not recommended																		
	7.0	2.5	5.8	27.4	2.34	19.4	90.1	3.43	2.5	35.9	25.1	0.70	1.51	41.1	23.7	---												
	9.0	6.0	13.8	28.2	2.38	20.1	90.7	3.47	2.6	36.4	25.6	0.70	1.42	41.2	25.6	---												
40	5.0	1.3	2.9	Operation not recommended						Operation not recommended																		
	7.0	2.4	5.5	30.8	2.40	22.6	92.8	3.76	2.9	38.7	27.2	0.70	1.62	44.2	23.9	---												
	9.0	5.9	13.6	31.9	2.44	23.6	93.7	3.84	2.9	39.2	27.5	0.70	1.54	44.5	25.5	---												
50	5.0	1.1	2.6	33.3	2.41	25.0	94.8	4.05	3.1	40.9	29.1	0.71	1.78	47.0	23.0	1.6												
	7.0	2.3	5.2	34.5	2.46	26.1	95.8	4.12	3.2	41.5	29.2	0.70	1.72	47.3	24.1	1.5												
	9.0	5.8	13.3	35.7	2.50	27.2	96.7	4.18	3.3	42.0	29.4	0.70	1.66	47.7	25.3	1.5												
60	5.0	1.0	2.4	37.7	2.48	29.2	98.3	4.45	3.5	39.2	28.5	0.73	1.97	46.0	19.9	2.0												
	7.0	2.2	5.0	39.0	2.52	30.4	99.4	4.54	3.6	39.9	28.7	0.72	1.90	46.4	21.0	1.9												
	9.0	5.7	13.1	40.2	2.55	31.5	100.4	4.62	3.6	40.5	28.9	0.71	1.84	46.8	22.1	1.8												
70	5.0	0.9	2.1	42.1	2.55	33.4	101.9	4.84	3.9	37.6	27.9	0.74	2.16	44.9	17.4	2.5												
	7.0	2.1	4.7	43.5	2.58	34.7	103.0	4.95	4.0	38.3	28.2	0.74	2.09	45.4	18.4	2.4												
	9.0	5.5	12.8	44.8	2.60	35.9	104.1	5.05	4.1	39.0	28.5	0.73	2.01	45.9	19.4	2.3												
80	5.0	0.8	1.8	46.7	2.62	37.8	105.6	5.23	4.4	36.1	27.1	0.75	2.42	44.3	14.9	3.2												
	7.0	1.9	4.5	47.7	2.65	38.7	106.4	5.29	4.5	36.7	27.6	0.75	2.31	44.6	15.9	3.0												
	9.0	5.4	12.5	48.8	2.68	39.7	107.3	5.35	4.6	37.4	28.0	0.75	2.24	45.0	16.7	2.9												
90	5.0	0.7	1.6	51.2	2.68	42.1	109.3	5.60	4.9	34.5	26.3	0.76	2.66	43.6	13.0	3.9												
	7.0	1.8	4.2	52.0	2.72	42.8	109.9	5.61	5.1	35.1	27.0	0.77	2.54	43.8	13.8	3.7												
	9.0	5.3	12.3	52.8	2.75	43.5	110.5	5.63	5.2	35.8	27.5	0.77	2.46	44.2	14.6	3.6												
100	5.0	0.6	1.3	Operation not recommended						Operation not recommended																		
	7.0	1.7	4.0							33.3	26.4	0.79	2.86	43.0	11.7	4.6												
	9.0	5.2	12.0							33.8	26.6	0.79	2.77	43.2	12.2	4.4												
110	5.0	0.5	1.1							Operation not recommended						Operation not recommended												
	7.0	1.6	3.7													31.2	25.3	0.81	3.16	41.9	9.9	5.7						
	9.0	5.1	11.8													31.8	25.7	0.81	3.07	42.3	10.4	5.4						
120	5.0	0.4	0.8													Operation not recommended						Operation not recommended						
	7.0	1.5	3.5																			26.5	22.7	0.85	3.53	38.6	7.5	6.8
	9.0	5.0	11.5																			27.1	23.0	0.85	3.43	38.8	7.9	6.4

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG041 - Performance Data

Single Speed Variable Speed ECM or 5-Speed ECM (1300 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F						
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h
20	5.0	1.6	3.8	Operation not recommended						Operation not recommended						
	8.0	3.6	8.2	Operation not recommended						Operation not recommended						
	11.0	8.0	18.5	25.7	2.61	16.8	85.0	2.89	3.5							
30	5.0	1.5	3.4	Operation not recommended						Operation not recommended						
	8.0	3.4	7.8	28.5	2.61	19.6	86.9	3.20	3.7	41.8	30.4	0.73	1.71	47.7	24.5	---
	11.0	7.9	18.1	29.5	2.66	20.4	87.5	3.26	3.8	42.4	31.0	0.73	1.61	47.9	26.4	---
40	5.0	1.3	3.0	Operation not recommended						Operation not recommended						
	8.0	3.2	7.5	31.7	2.67	22.6	89.0	3.48	4.0	43.8	31.4	0.72	1.85	50.2	23.7	---
	11.0	7.7	17.8	33.1	2.71	23.8	89.9	3.58	4.1	44.5	31.9	0.72	1.75	50.4	25.5	---
50	5.0	1.2	2.7	33.7	2.72	24.4	90.3	3.64	4.4	45.2	32.0	0.71	2.11	52.4	21.5	2.4
	8.0	3.1	7.1	35.2	2.74	25.8	91.2	3.77	4.5	45.9	32.4	0.71	2.00	52.7	23.0	2.4
	11.0	7.5	17.4	36.6	2.76	27.2	92.2	3.89	4.7	46.5	32.7	0.70	1.89	52.9	24.7	2.3
60	5.0	1.0	2.3	37.9	2.78	28.4	93.0	3.99	5.0	44.2	31.5	0.71	2.36	52.2	18.7	3.0
	8.0	2.9	6.7	39.3	2.80	29.7	94.0	4.11	5.1	45.1	31.8	0.70	2.23	52.7	20.3	2.8
	11.0	7.4	17.0	40.7	2.82	31.1	94.9	4.23	5.3	46.1	32.1	0.70	2.09	53.2	22.1	2.7
70	5.0	0.9	2.0	42.0	2.85	32.3	95.8	4.33	5.6	43.1	30.9	0.72	2.62	52.0	16.5	3.8
	8.0	2.8	6.4	43.4	2.87	33.6	96.7	4.44	5.7	44.4	31.2	0.70	2.46	52.8	18.1	3.6
	11.0	7.2	16.7	44.8	2.89	35.0	97.6	4.55	5.9	45.7	31.5	0.69	2.30	53.5	19.9	3.4
80	5.0	0.7	1.6	46.9	2.91	37.0	99.0	4.73	6.3	41.7	30.4	0.73	2.80	51.2	14.9	4.8
	8.0	2.6	6.0	48.0	2.94	38.0	99.8	4.79	6.5	42.6	30.6	0.72	2.67	51.7	16.0	4.5
	11.0	7.1	16.3	49.2	2.97	39.0	100.5	4.85	6.7	43.7	30.8	0.70	2.59	52.5	16.9	4.3
90	5.0	0.5	1.2	51.9	2.98	41.7	102.3	5.11	7.1	40.2	29.8	0.74	3.11	50.9	12.9	6.0
	8.0	2.5	5.7	52.7	3.02	42.4	102.9	5.12	7.3	40.9	30.0	0.73	2.97	51.0	13.8	5.7
	11.0	6.9	16.0	53.5	3.06	43.1	103.4	5.13	7.5	41.7	30.1	0.72	2.88	51.5	14.5	5.5
100	5.0	0.4	0.9	Operation not recommended						Operation not recommended						
	8.0	2.3	5.3	Operation not recommended						38.2	29.0	0.76	3.34	49.6	11.4	7.1
	11.0	6.8	15.6	Operation not recommended						38.8	29.2	0.75	3.24	49.8	12.0	6.8
110	5.0	0.4	0.9	Operation not recommended						Operation not recommended						
	8.0	2.1	4.9	Operation not recommended						35.2	27.9	0.79	3.70	47.8	9.5	8.6
	11.0	6.6	15.2	Operation not recommended						35.9	28.3	0.79	3.60	48.2	10.0	8.3
120	5.0	0.4	0.9	Operation not recommended						Operation not recommended						
	8.0	2.0	4.6	Operation not recommended						31.8	27.1	0.85	4.34	46.6	7.3	10.4
	11.0	6.5	14.9	Operation not recommended						32.5	27.5	0.85	4.22	46.9	7.7	10.0

11/10/09

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG042 - Performance Data

Single Speed Variable Speed ECM or 5-Speed ECM (1400 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F						
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h
20	5.0	1.6	3.8	Operation not recommended						Operation not recommended						
	8.0	3.6	8.2	Operation not recommended						Operation not recommended						
	11.0	8.0	18.5	27.0	2.61	18.1	85.9	3.04	3.5							
30	5.0	1.5	3.4	Operation not recommended						Operation not recommended						
	8.0	3.4	7.8	30.0	2.61	21.1	87.8	3.37	3.7	43.6	31.7	0.73	1.71	49.4	25.5	---
	11.0	7.9	18.1	31.0	2.66	21.9	88.5	3.42	3.8	44.2	32.3	0.73	1.61	49.7	27.5	---
40	5.0	1.3	3.0	Operation not recommended						Operation not recommended						
	8.0	3.2	7.5	33.4	2.67	24.2	90.1	3.66	4.0	45.7	32.7	0.72	1.85	52.0	24.7	---
	11.0	7.7	17.8	34.8	2.71	25.5	91.0	3.77	4.1	46.3	33.2	0.72	1.75	52.3	26.5	---
50	5.0	1.2	2.7	35.5	2.72	26.2	91.5	3.83	4.4	47.1	33.4	0.71	2.11	54.3	22.4	2.4
	8.0	3.1	7.1	37.0	2.74	27.7	92.5	3.96	4.5	47.8	33.8	0.71	2.00	54.6	23.9	2.4
	11.0	7.5	17.4	38.5	2.76	29.1	93.5	4.10	4.7	48.4	34.1	0.70	1.89	54.8	25.7	2.3
60	5.0	1.0	2.3	39.9	2.78	30.4	94.4	4.20	5.0	46.0	32.8	0.71	2.36	54.1	19.5	3.0
	8.0	2.9	6.7	41.4	2.80	31.8	95.3	4.33	5.1	47.0	33.1	0.70	2.23	54.6	21.1	2.8
	11.0	7.4	17.0	42.9	2.82	33.2	96.3	4.45	5.3	48.0	33.5	0.70	2.09	55.1	23.0	2.7
70	5.0	0.9	2.0	44.2	2.85	34.5	97.2	4.55	5.6	44.9	32.2	0.72	2.62	53.8	17.2	3.8
	8.0	2.8	6.4	45.7	2.87	35.9	98.2	4.68	5.7	46.3	32.5	0.70	2.46	54.6	18.8	3.6
	11.0	7.2	16.7	47.2	2.89	37.4	99.2	4.79	5.9	47.6	32.8	0.69	2.30	55.4	20.7	3.4
80	5.0	0.7	1.6	49.4	2.91	39.5	100.7	4.97	6.3	43.4	31.6	0.73	2.80	53.0	15.5	4.8
	8.0	2.6	6.0	50.6	2.94	40.5	101.5	5.04	6.5	44.4	31.9	0.72	2.67	53.6	16.6	4.5
	11.0	7.1	16.3	51.8	2.97	41.6	102.2	5.11	6.7	45.6	32.1	0.70	2.59	54.4	17.6	4.3
90	5.0	0.5	1.2	54.6	2.98	44.4	104.1	5.37	7.1	42.0	31.0	0.74	3.11	52.6	13.5	6.0
	8.0	2.5	5.7	55.5	3.02	45.2	104.7	5.39	7.3	42.6	31.2	0.73	2.97	52.8	14.3	5.7
	11.0	6.9	16.0	56.3	3.06	45.9	105.2	5.40	7.5	43.5	31.4	0.72	2.88	53.3	15.1	5.5
100	5.0	0.4	0.9	Operation not recommended						Operation not recommended						
	8.0	2.3	5.3	Operation not recommended						39.8	30.2	0.76	3.34	51.2	11.9	7.1
	11.0	6.8	15.6	Operation not recommended						40.5	30.5	0.75	3.24	51.5	12.5	6.8
110	5.0	0.4	0.9	Operation not recommended						Operation not recommended						
	8.0	2.1	4.9	Operation not recommended						36.7	29.1	0.79	3.70	49.3	9.9	8.6
	11.0	6.6	15.2	Operation not recommended						37.4	29.5	0.79	3.60	49.7	10.4	8.3
120	5.0	0.4	0.9	Operation not recommended						Operation not recommended						
	8.0	2.0	4.6	Operation not recommended						33.2	28.2	0.85	4.34	48.0	7.6	10.4
	11.0	6.5	14.9	Operation not recommended						33.9	28.6	0.84	4.22	48.3	8.0	10.0

11/10/09

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG048 - Performance Data

Single Speed Variable Speed ECM or 5-Speed ECM (1600 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F						
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h
20	6.0	2.2	5.1	Operation not recommended						Operation not recommended						
	9.0	4.4	10.0													
	12.0	6.8	15.8	30.8	3.09	20.2	87.0	2.92	4.6							
30	6.0	2.0	4.7	Operation not recommended						Operation not recommended						
	9.0	4.2	9.6	35.3	3.12	24.6	89.8	3.31	4.9	50.3	31.3	0.62	2.09	57.4	24.1	---
	12.0	6.7	15.5	35.8	3.15	25.1	90.1	3.33	5.0	51.0	31.9	0.63	1.96	57.7	26.0	---
40	6.0	1.9	4.3	Operation not recommended						Operation not recommended						
	9.0	4.0	9.2	40.1	3.25	29.0	92.8	3.62	5.4	53.1	34.8	0.65	2.29	60.9	23.2	---
	12.0	6.5	15.0	41.9	3.29	30.7	93.9	3.74	5.5	54.0	35.5	0.66	2.16	61.4	25.0	---
50	6.0	1.7	3.9	42.9	3.32	31.6	94.5	3.79	5.9	54.9	37.4	0.68	2.61	63.8	21.0	2.9
	9.0	3.8	8.8	45.5	3.38	34.0	96.1	3.95	6.1	56.0	38.3	0.68	2.49	64.4	22.5	2.8
	12.0	6.3	14.6	48.1	3.43	36.4	97.7	4.11	6.2	57.0	39.1	0.69	2.36	65.1	24.1	2.7
60	6.0	1.5	3.5	49.5	3.47	37.7	98.6	4.18	6.7	54.5	37.4	0.69	2.91	64.4	18.7	3.5
	9.0	3.6	8.4	52.2	3.52	40.2	100.2	4.35	6.8	55.4	38.0	0.69	2.76	64.8	20.0	3.4
	12.0	6.1	14.1	54.9	3.56	42.8	101.9	4.52	7.0	56.2	38.6	0.69	2.62	65.1	21.5	3.2
70	6.0	1.3	3.0	56.1	3.62	43.7	102.6	4.54	7.5	54.1	37.3	0.69	3.20	65.0	16.9	4.5
	9.0	3.5	8.0	58.9	3.65	46.5	104.4	4.73	7.7	54.8	37.7	0.69	3.04	65.1	18.0	4.3
	12.0	5.9	13.7	61.7	3.68	49.2	106.1	4.91	7.9	55.4	38.2	0.69	2.87	65.2	19.3	4.0
80	6.0	1.1	2.6	61.3	3.70	48.7	105.8	4.86	8.4	51.4	35.8	0.70	3.48	63.2	14.8	5.6
	9.0	3.3	7.6	63.2	3.74	50.5	107.0	4.96	8.6	52.1	36.4	0.70	3.31	63.4	15.7	5.3
	12.0	5.8	13.3	65.2	3.78	52.3	108.2	5.05	8.9	52.9	36.9	0.70	3.21	63.9	16.5	5.1
90	6.0	1.0	2.2	66.5	3.78	53.6	109.1	5.16	9.4	48.7	34.3	0.70	3.84	61.8	12.7	7.0
	9.0	3.1	7.1	67.5	3.83	54.5	109.7	5.17	9.7	49.4	35.0	0.71	3.66	61.9	13.5	6.7
	12.0	5.6	12.9	68.6	3.87	55.4	110.3	5.19	10.1	50.4	35.6	0.70	3.54	62.5	14.2	6.4
100	6.0	0.8	1.8	Operation not recommended						Operation not recommended						
	9.0	2.9	6.7							46.7	34.3	0.74	4.14	60.8	11.3	8.4
	12.0	5.4	12.5							47.4	34.6	0.73	4.00	61.0	11.8	8.0
110	6.0	0.6	1.4	Operation not recommended						Operation not recommended						
	9.0	2.7	6.3							43.4	33.2	0.76	4.59	59.1	9.5	10.3
	12.0	5.2	12.1							44.3	33.7	0.76	4.46	59.5	9.9	9.7
120	6.0	0.4	1.0	Operation not recommended						Operation not recommended						
	9.0	2.6	5.9							40.1	32.0	0.80	5.16	57.7	7.8	12.4
	12.0	5.0	11.6							41.0	32.5	0.79	5.01	58.1	8.2	11.8

7/6/10

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG060 - Performance Data

Single Speed Variable Speed ECM or 5-Speed ECM (2000 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F						
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h
20	9.0	3.8	8.7	Operation not recommended						Operation not recommended						
	12.0	6.3	14.5	Operation not recommended						Operation not recommended						
	15.0	9.7	22.5	41.9	3.96	28.4	87.4	3.10	5.5							
30	9.0	3.6	8.4	Operation not recommended						Operation not recommended						
	12.0	6.1	14.1	43.8	3.89	30.5	88.3	3.30	5.9	72.0	49.1	0.68	2.86	81.8	25.2	---
	15.0	9.6	22.2	46.5	4.01	32.8	89.5	3.39	6.1	73.0	50.0	0.68	2.68	82.2	27.2	---
40	9.0	3.5	8.0	Operation not recommended						Operation not recommended						
	12.0	6.0	13.7	49.7	4.03	35.9	91.0	3.62	6.6	70.8	48.8	0.69	3.01	81.0	23.5	---
	15.0	9.4	21.7	52.2	4.12	38.1	92.2	3.71	6.7	71.8	49.5	0.69	2.87	81.6	25.0	---
50	9.0	3.3	7.6	54.6	4.10	40.6	93.3	3.90	7.1	68.5	48.0	0.70	3.24	79.6	21.1	3.9
	12.0	5.8	13.4	56.2	4.16	42.0	94.0	3.96	7.3	69.5	48.5	0.70	3.15	80.3	22.0	3.7
	15.0	9.2	21.3	57.8	4.22	43.4	94.8	4.01	7.5	70.5	48.9	0.69	3.06	81.0	23.0	3.5
60	9.0	3.1	7.3	62.2	4.25	47.7	96.8	4.28	8.0	67.3	47.0	0.70	3.54	79.3	19.0	4.8
	12.0	5.6	13.0	64.3	4.31	49.6	97.8	4.37	8.3	68.2	47.6	0.70	3.44	79.9	19.8	4.6
	15.0	9.1	21.0	66.4	4.36	51.5	98.8	4.46	8.5	69.1	48.3	0.70	3.35	80.5	20.6	4.4
70	9.0	3.0	6.9	69.8	4.40	54.8	100.3	4.64	9.0	66.0	46.0	0.70	3.83	79.1	17.2	6.0
	12.0	5.5	12.6	72.4	4.45	57.2	101.5	4.76	9.3	66.9	46.8	0.70	3.73	79.6	17.9	5.7
	15.0	8.9	20.6	75.0	4.50	59.6	102.7	4.88	9.5	67.7	47.6	0.70	3.63	80.1	18.6	5.4
80	9.0	2.8	6.5	76.2	4.50	60.9	103.3	4.97	10.2	62.2	45.0	0.72	4.35	77.0	14.3	7.6
	12.0	5.3	12.3	78.2	4.55	62.7	104.2	5.04	10.5	63.1	45.7	0.72	4.15	77.2	15.2	7.2
	15.0	8.8	20.2	80.1	4.60	64.4	105.1	5.10	10.7	64.1	46.3	0.72	4.01	77.8	16.0	6.8
90	9.0	2.7	6.1	82.7	4.59	67.1	106.3	5.29	11.4	58.4	43.9	0.75	4.76	74.7	12.3	9.5
	12.0	5.2	11.9	84.0	4.65	68.1	106.9	5.30	11.8	59.3	44.6	0.75	4.54	74.8	13.1	9.0
	15.0	8.6	19.9	85.3	4.70	69.2	107.5	5.31	12.2	60.5	45.0	0.74	4.39	75.5	13.8	8.6
100	9.0	2.5	5.8	Operation not recommended						Operation not recommended						
	12.0	5.0	11.5	Operation not recommended						56.1	43.4	0.77	5.05	73.4	11.1	11.2
	15.0	8.4	19.5	Operation not recommended						57.0	43.7	0.77	4.89	73.7	11.7	10.6
110	9.0	2.3	5.4	Operation not recommended						Operation not recommended						
	12.0	4.8	11.2	Operation not recommended						52.3	41.8	0.80	5.53	71.2	9.5	13.8
	15.0	8.3	19.1	Operation not recommended						53.4	42.4	0.79	5.38	71.8	9.9	13.1
120	9.0	2.2	5.0	Operation not recommended						Operation not recommended						
	12.0	4.7	10.8	Operation not recommended						48.0	39.9	0.83	6.15	69.0	7.8	16.6
	15.0	8.1	18.8	Operation not recommended						49.0	40.5	0.83	5.97	69.4	8.2	15.9

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



YG070 - Performance Data

Single Speed Variable Speed ECM or 5-Speed ECM (2200 cfm)

EWT °F	Flow gpm	WPD		HEATING - EAT 70°F						COOLING - EAT 80/67°F						
		psi	ft. hd.	HC MBtu/h	Power kW	HE MBtu/h	LAT °F	COP	HWC MBtu/h	TC MBtu/h	SC MBtu/h	S/T Ratio	Power kW	HR MBtu/h	EER	HWC MBtu/h
20	12.0	4.3	9.8	Operation not recommended						Operation not recommended						
	15.0	5.6	13.0	Operation not recommended						Operation not recommended						
	18.0	9.0	20.8	46.0	4.88	29.3	87.4	2.76	6.5							
30	12.0	4.1	9.4	Operation not recommended						Operation not recommended						
	15.0	5.9	13.6	52.0	4.82	35.5	89.9	3.16	7.0	73.0	46.1	0.63	3.18	83.9	22.9	---
	18.0	8.8	20.3	53.7	4.96	36.8	90.6	3.17	7.3	74.0	47.0	0.64	2.99	84.2	24.7	---
40	12.0	3.8	8.8	Operation not recommended						Operation not recommended						
	15.0	5.2	12.0	58.4	5.00	41.3	92.6	3.42	7.8	74.6	49.3	0.66	3.38	86.1	22.1	---
	18.0	8.6	19.8	60.9	5.10	43.5	93.6	3.50	8.0	76.1	50.5	0.66	3.25	87.2	23.4	---
50	12.0	3.6	8.4	62.8	5.15	45.2	94.4	3.57	8.5	74.2	51.0	0.69	3.64	86.6	20.4	4.3
	15.0	5.0	11.5	65.4	5.19	47.7	95.5	3.69	8.7	76.2	52.5	0.69	3.58	88.4	21.3	4.1
	18.0	8.4	19.3	68.0	5.23	50.2	96.6	3.81	8.9	78.2	54.0	0.69	3.51	90.2	22.3	3.9
60	12.0	3.4	7.9	71.9	5.36	53.6	98.3	3.94	9.5	71.6	50.0	0.70	3.98	85.2	18.0	5.2
	15.0	4.8	11.0	73.9	5.39	55.6	99.1	4.02	9.8	73.3	51.3	0.70	3.90	86.6	18.8	4.9
	18.0	8.2	18.8	76.0	5.42	57.5	100.0	4.11	10.1	75.1	52.5	0.70	3.82	88.1	19.7	4.8
70	12.0	3.2	7.4	81.0	5.56	62.0	102.1	4.27	10.7	69.0	49.0	0.71	4.31	83.7	16.0	6.6
	15.0	4.6	10.5	82.5	5.59	63.4	102.7	4.33	11.0	70.5	50.0	0.71	4.22	84.9	16.7	6.3
	18.0	7.9	18.3	84.0	5.61	64.8	103.3	4.39	11.3	71.9	51.0	0.71	4.13	86.0	17.4	6.0
80	12.0	3.0	6.9	89.7	5.72	70.2	105.8	4.59	12.1	65.3	47.4	0.73	4.93	82.1	13.2	8.3
	15.0	4.4	10.0	91.2	5.78	71.5	106.4	4.63	12.4	66.5	48.3	0.73	4.71	82.6	14.1	7.9
	18.0	7.7	17.9	92.7	5.83	72.9	107.0	4.67	12.8	67.9	49.0	0.72	4.56	83.4	14.9	7.5
90	12.0	2.8	6.4	98.4	5.89	78.3	109.4	4.90	13.6	61.6	45.8	0.74	5.39	80.0	11.4	10.4
	15.0	4.1	9.5	99.9	5.97	79.6	110.1	4.91	14.0	62.5	46.6	0.75	5.15	80.1	12.2	9.9
	18.0	7.5	17.3	101.5	6.04	80.9	110.7	4.92	14.4	63.8	47.0	0.74	4.98	80.8	12.8	9.4
100	12.0	2.5	5.9	Operation not recommended						Operation not recommended						
	15.0	3.9	9.1	Operation not recommended						59.7	44.9	0.75	5.73	79.2	10.4	12.4
	18.0	7.3	16.9	Operation not recommended						60.6	45.3	0.75	5.55	79.5	10.9	11.7
110	12.0	2.3	5.4	Operation not recommended						Operation not recommended						
	15.0	3.7	8.5	Operation not recommended						56.2	42.9	0.76	6.28	77.6	8.9	15.1
	18.0	7.1	16.4	Operation not recommended						57.4	43.5	0.76	6.11	78.2	9.4	14.3
120	12.0	2.1	4.9	Operation not recommended						Operation not recommended						
	15.0	3.5	8.1	Operation not recommended						51.9	41.4	0.80	6.98	75.7	7.4	18.2
	18.0	6.9	15.9	Operation not recommended						53.0	42.0	0.79	6.78	76.1	7.8	17.3

7/6/10

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Engineer: _____

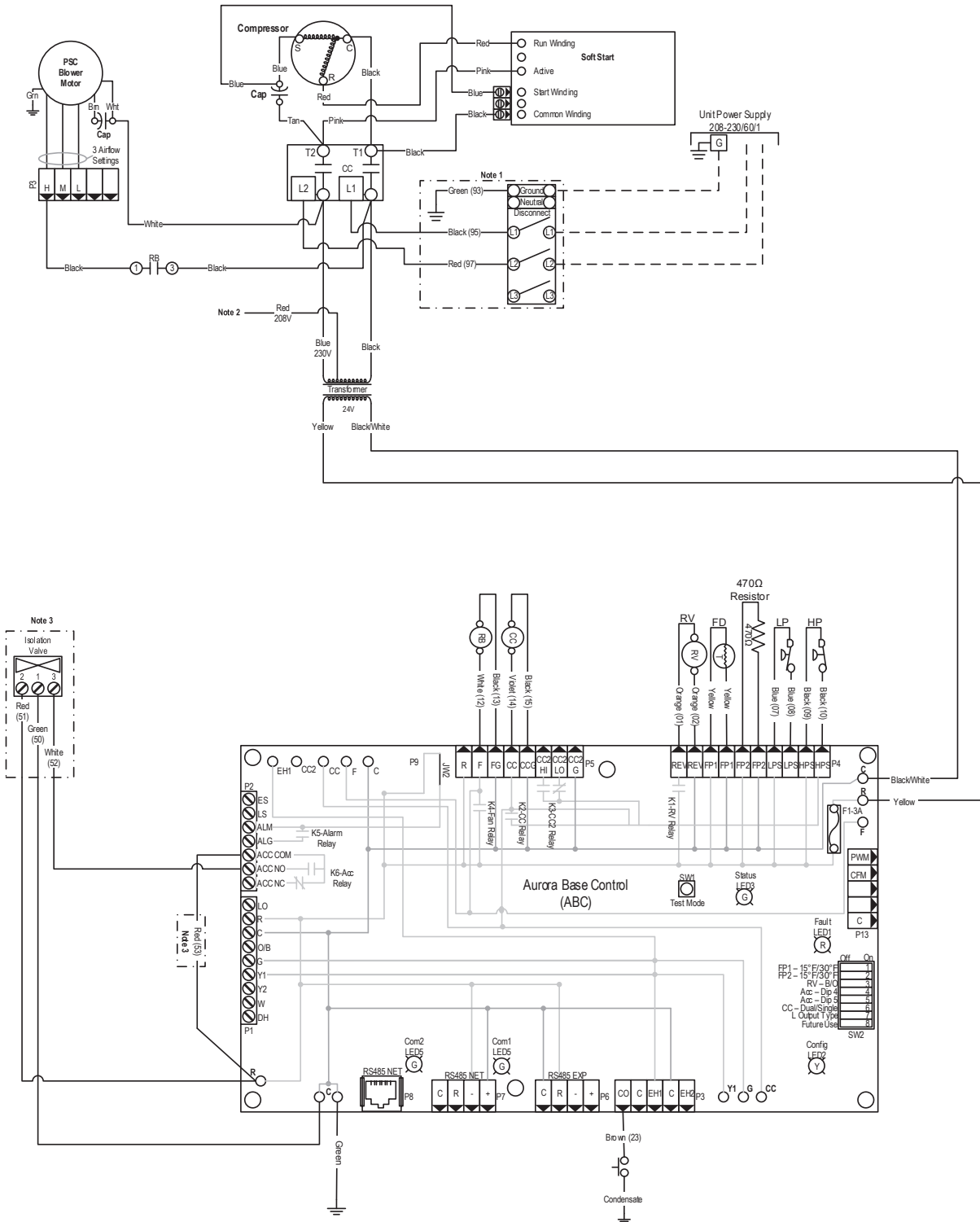
Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Wiring Schematics

Commercial Aurora with PSC Motor & Soft Start 208-230/60/1



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Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



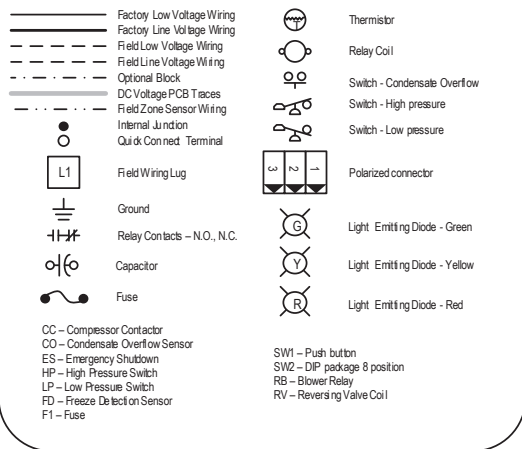
Wiring Schematics cont.

Commercial Aurora with PSC Motor & Soft Start 208-230/60/1

Notes:

- 1 - Optional, factory installed unit mounted disconnect.
- 2 - Swap blue and red leads for 208V operation.
- 3 - Optional, factory installed internal isolation valve.

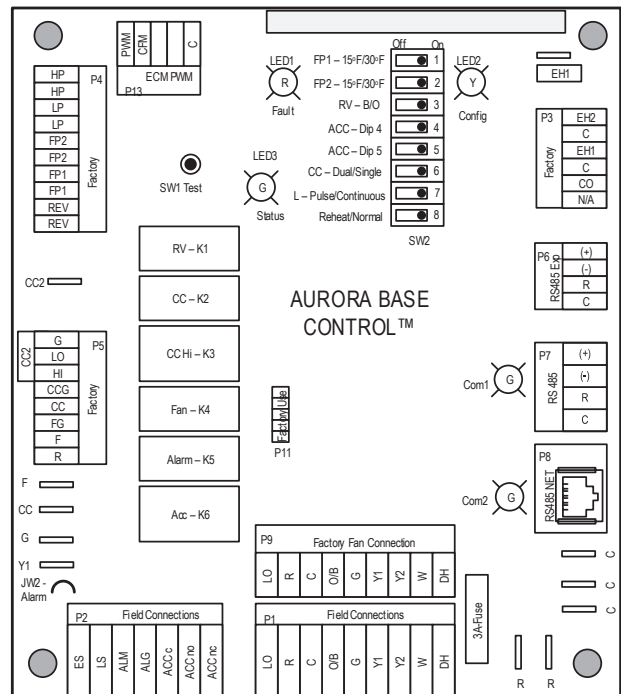
Legend



Aurora LED Flash Codes			
Slow Flash	1 second on and 1 second off		
Fast Flash	100 milliseconds on and 100 milliseconds off		
Flash Code	100 milliseconds on and 400 milliseconds off with a 2 second pause before repeating		
Random Start Delay			
Status LED (LED1, Green)	Fast Flash		
Configuration LED (LED2, Yellow)	Fast Flash		
Fault LED (LED3, Red)	Fast Flash		
Status LED (LED1, Green)	Configuration LED (LED2, Yellow)	Fault LED (LED3, Red)	
Normal Mode	ON	No Software Override	Flash ECM Setting
Control is Non-Functional	OFF	DIP Switch Override	Slow Flash
Test Mode	Slow Flash	ECM Configure Mode	Fast Flash
Lockout Active	Fast Flash	Reset Configure Mode	Off
Dehumidification Mode	Flash Code 2	Low Air Coil Limit Lockout - FP2	Flash Code 4
Reserved	Flash Code 3	Low Water Coil Limit Lockout - FP1	Flash Code 5
Reserved	Flash Code 4	Reserved	Flash Code 6
Load Shed	Flash Code 5	Condensate Overflow Lockout	Flash Code 7
ESD	Flash Code 6	Over/Under Voltage Shutdown	Flash Code 8
Reserved	Flash Code 7	Reserved	Flash Code 9
		Reserved	Flash Code 10
		Air/Water Coil Limit Sensor Error	Flash Code 11

Aurora Timing Events		
Event	Normal Mode	Test Mode
Random Start Delay	5 to 80 seconds	1 second
Compressor On Delay	5 seconds	< 1 second
Compressor Minimum On Time	2 minutes	5 seconds
Compressor Short Cycle Delay	4 minutes	15 seconds
Blower Off Delay	30 seconds	2 seconds
Fault Response Delay - High Pressure	Less than 1 second	Less than 1 second
Start-Up Bypass - Low Pressure	2 minutes	30 seconds
Fault Response Delay - Low Pressure	30 seconds	30 seconds
Start-Up Bypass - Low Water/Air Coil Limit	2 minutes	30 seconds
Fault Response Delay - Low Water/Air Coil Limit	30 seconds	30 seconds
Fault Response Delay - Condensate Overflow	30 seconds	30 seconds
Thermostat Call Recognition Time	2 seconds	2 seconds
Auxiliary Heat Staging Delay	5 minutes	20 seconds
Emergency Heat Staging Delay	2 minutes	7.5 seconds
Water Valve Slow Open Delay	90 seconds	90 seconds
Reheat Delay	30 seconds	30 seconds

Accessory Relay		
Operation	SW2-1	SW2-5
Cycle with Blower	On	On
Cycle with Compressor	Off	Off
Water Valve Slow Open	On	Off
Outdoor Air Damper	Off	On



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Project Name: _____ Unit Tag: _____

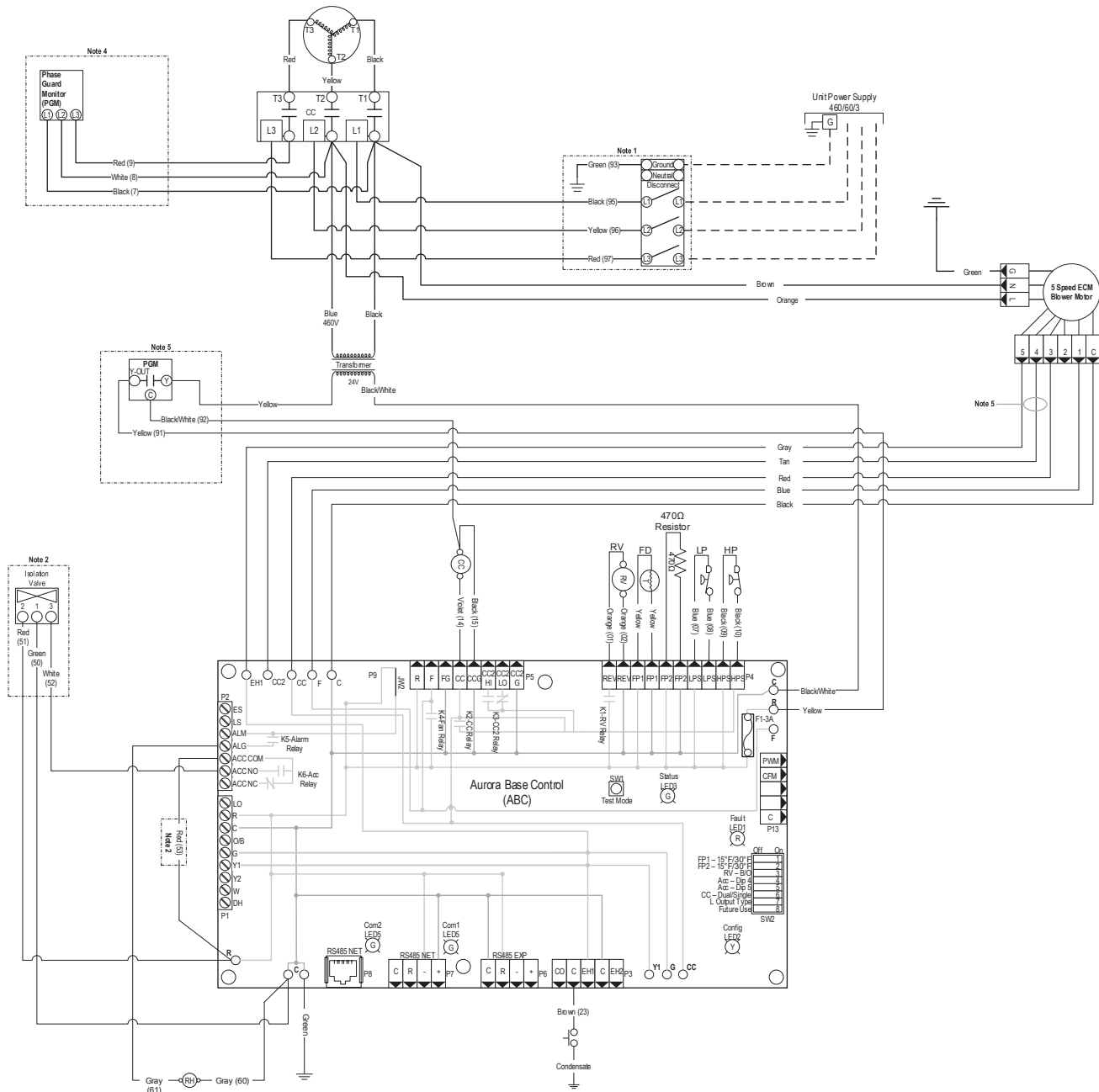
LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Wiring Schematics cont.

Wiring Schematics

Commercial Aurora Base with 5-Speed ECM and Hot Gas Reheat - 460/60/3



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 Engineer: _____
 Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



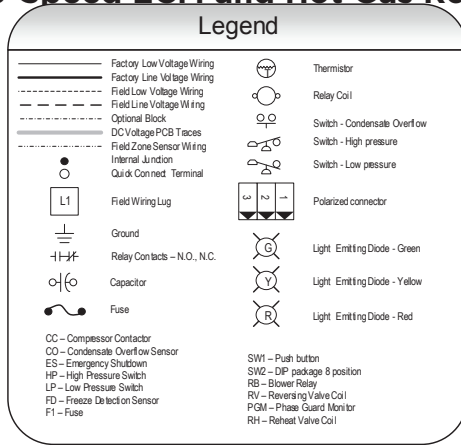
Wiring Schematics cont.

Wiring Schematics cont.

Commercial Aurora Base with 5-Speed ECM and Hot Gas Reheat ^{97P819-08} 460/60/3 _{10/30/12}

Notes:

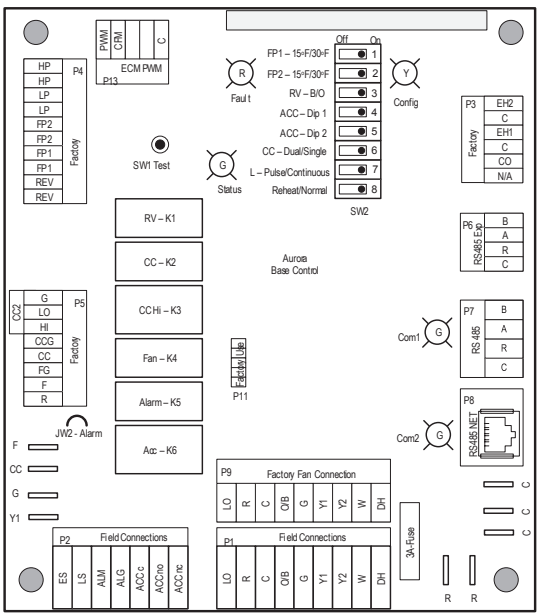
- 1 - Optional, factory installed unit mounted disconnect.
- 2 - Optional, factory installed internal isolation valve.
- 3 - Optional, factory installed phase guard.
- 4 - Optional, factory installed phase guard. The yellow transformer wire shall be connected directly to the CPU board, if this option is not installed.
- 5 - Wire is provided with the unit but not connected to the 5-Speed ECM motor.



Aurora LED Flash Codes					
Slow Flash	1 second on and 1 second off				
Fast Flash	100 milliseconds on and 100 milliseconds off				
Flash Code	100 milliseconds on and 400 milliseconds off with a 2 second pause before repeating				
Random Start Delay					
Status LED (LED1, Green)	Fast Flash		Fast Flash		
Configuration LED (LED2, Yellow)	Fast Flash		Fast Flash		
Fault LED (LED3, Red)	Fast Flash		Fast Flash		
Status LED (LED1, Green)	Configuration LED (LED2, Yellow)	Flash EMI Setting		Fault LED (LED3, Red)	
Normal Mode	ON	No Software Override	Flash EMI Setting	Normal Mode	OFF
Control is Non-Functional	OFF	DIP Switch Override	Slow Flash	Input Fault Lockout	Flash Code 1
Test Mode	Slow Flash	ECM Configure Mode	Fast Flash	High Pressure Lockout	Flash Code 2
Lockout Active	Fast Flash	Reset Configure Mode	OFF	Low Pressure Lockout	Flash Code 3
Dehumidification Mode	Flash Code 2			Low Air Coil Limit Lockout - FP2	Flash Code 4
Reserved	Flash Code 3			Low Water Coil Limit Lockout - FP1	Flash Code 5
Reserved	Flash Code 4			Reserved	Flash Code 6
Load Shed	Flash Code 5			Condensate Overflow Lockout	Flash Code 7
ESD	Flash Code 6			Over/Under Voltage Shutdown	Flash Code 8
Reserved	Flash Code 7			Reserved	Flash Code 9
				Reserved	Flash Code 10
				Air/Water Coil Limit Sensor Error	Flash Code 11

Accessory Relay		
Operation	SW2-4	SW2-5
Cycle with Blower	On	On
Cycle with Compressor	Off	Off
Water Valve Slow Open	On	Off
Outdoor Air Damper	Off	On

Aurora Timing Events		
Event	Normal Mode	Test Mode
Random Start Delay	5 to 80 seconds	1 second
Compressor On Delay	5 seconds	< 1 second
Compressor Minimum On Time	2 minutes	5 seconds
Compressor Short Cycle Delay	4 minutes	15 seconds
Blower Off Delay	30 seconds	2 seconds
Fault Recognition Delay - High Pressure	Less than 1 second	Less than 1 second
Start-Up Bypass - Low Pressure	2 minutes	30 seconds
Fault Recognition Delay - Low Pressure	30 seconds	30 seconds
Start-Up Bypass - Low Water/Air Coil Limit	2 minutes	30 seconds
Fault Recognition Delay - Low Water/Air Coil Limit	30 seconds	30 seconds
Fault Recognition Delay - Condensate Overflow	30 seconds	30 seconds
Thermostat Call Recognition Time	2 seconds	2 seconds
Auxiliary Heat Staging Delay	5 minutes	20 seconds
Emergency Heat Staging Delay	2 minutes	7.5 seconds
Water Valve Slow Open Delay	90 seconds	90 seconds
Reheat Delay	30 seconds	30 seconds



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Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Engineering Guide Specifications

General

Furnish and install York water source heat pumps as indicated on the plans. Equipment shall be completely assembled, piped and internally wired. Capacities and characteristics as listed in the schedule and the specifications that follow. The reverse cycle heating/cooling units shall be either suspended type with horizontal air inlet and discharge or floor mounted type with horizontal air inlet and vertical upflow air discharge. Units shall be AHRI/ISO 13256-1 certified and listed by a nationally recognized safety-testing laboratory or agency, such as ETL Testing Laboratory. Each unit shall be computer run-tested at the factory with conditioned water and operation verified to catalog data. Each unit shall be mounted on a pallet and shipped in a corrugated box or stretch-wrapped. The units shall be designed to operate with entering liquid temperature between 20°F and 120°F [-6.7°C and 48.9°C].

Casing and Cabinet

The cabinet shall be fabricated from heavy-gauge galvanized steel and finished with optional corrosion-resistant powder coating. This corrosion protection system shall meet the stringent 1000 hour salt spray test per ASTM B117. The interior shall be insulated with 1/2 in. thick, multi-density, cleanable aluminum foil coated glass fiber with edges sealed or tucked under flanges to prevent the introduction of glass fibers into the discharge air. Standard cabinet panel insulation must meet NFPA 90A requirements, air erosion and mold growth limits of UL-181, stringent fungal resistance test per ASTM-C1071 and ASTM G21, and shall meet zero level bacteria growth per ASTM G22. Unit insulation must meet these stringent requirements or unit(s) will not be accepted.

One (horizontal) to two (vertical) blower and two compressor compartment access panels shall be 'lift-out' removable with supply and return ductwork in place.

A duct collar shall be provided on the supply air opening. Standard size 1 in. [2.54 cm] MERV 4 filters shall be provided with each unit. Units shall have a return air filter rack that is field convertible from 1 in. [2.54 cm] to 2 in. [5.1 cm]. The upflow vertical units shall have a removable insulated divider panel between the air handling section and the compressor section to minimize the transmission of compressor noise and to permit operational service testing without air bypass. Vertical units shall be supplied with left or right horizontal air inlet and top vertical air discharge. Horizontal units shall be supplied with left or right air inlet and side or end air discharge.

The compressor shall be double isolation mounted using selected durometer grommets to provide vibration free compressor mounting. The compressor mounting bracket shall be acoustically deadened galvanized steel to prevent vibration transmission to the cabinet.

Option: AlpinePure MERV 13 Filter - A 2 in. thick [51 mm] MERV 13 filter can help fulfill a credit under the LEED Rating System. Its low initial resistance promotes low energy consumption (0.21 in. w.g. @ 300 fpm) and provides nearly twice the life of a standard filter (300 fpm vs. standard 500 fpm application).

Option: A Super Quiet Sound package shall include multi-density full coverage compressor blanket.

Option: An internally mounted low pressure drop (high Cv) water solenoid valve shall be factory installed for use in variable speed pumping applications.

Option: An internally mounted automatic flow regulator shall be set to 3 gpm/ton to deliver optimal flow to the unit.

Refrigerant Circuit

All units shall utilize the non-ozone depleting and low global warming potential refrigerant R-410A. All units shall contain a sealed refrigerant circuit including a hermetic motor-compressor, bidirectional thermostatic expansion valve, finned tube air-to-refrigerant heat exchanger, reversing valve, coaxial tube water-to-refrigerant heat exchanger, optional hot water generator coil, and service ports.

Compressors shall be high-efficiency single speed rotary or scroll type designed for heat pump duty and mounted on vibration isolators. The compressor shall be double isolation mounted using selected durometer grommets to provide vibration free compressor mounting. Compressor motors shall be single-phase PSC with overload protection.

The air coil shall be sized for low-face velocity and constructed of lanced aluminum fins bonded to rifled aluminum tubes in a staggered pattern not less than three rows deep for enhanced performance.

Option: AlumiSeal electro-coated air coil

The coaxial water-to-refrigerant heat exchanger shall be designed for low water pressure drop and constructed of a convoluted copper (cupronickel option) inner tube and a steel outer tube. Refrigerant to air heat exchangers shall utilize enhanced corrugated lanced aluminum fins and rifled copper tube construction rated to withstand 600 psig (4135 kPa) refrigerant working pressure. Refrigerant to water heat exchangers shall be of copper inner water tube and steel refrigerant outer tube design, rated to withstand 600 psig (4135 kPa) working refrigerant pressure and 450 psig (3101 kPa) working water pressure. The thermostatic expansion valve shall provide proper superheat over the entire liquid temperature range with minimal "hunting." The valve shall operate bidirectionally without the use of check valves.

Option: Cupronickel refrigerant to water heat exchanger shall be of copper-nickel inner water tube and steel refrigerant outer tube design, rated to withstand 600 psig (4135 kPa) working refrigerant pressure and 450 psig (3101 kPa) working water pressure. Water lines shall also be of cupronickel construction.

Option: Hot water generator - Internal double wall vented hot water generator coil refrigerant to water heat exchangers shall be of copper inner water tube and steel refrigerant outer tube design, rated to withstand 600 psig (4135 kPa) working refrigerant pressure and 450 psig (3101 kPa) working water pressure.

Option: ThermaShield coated water-to-refrigerant heat exchanger, water lines and refrigerant suction lines shall be insulated to prevent condensation at low liquid temperatures below 50°F.

Option: AlpinePure hot gas bypass

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Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Engineering Guide Specifications cont.

The hot gas bypass (HGB) option is designed to limit the minimum evaporating pressure in the cooling mode to prevent the air coil from icing. The option shall consist of a hot gas bypass valve installed in the discharge side of the compressor. The refrigerant control shall proportionately bypass hot gas refrigerant to the air coil when suction pressure falls below 115 psig thus limiting air coil freeze-up.

Optional AlpinePure hot gas reheat

An optional hot gas reheat coil shall be available to allow dehumidification-only operation. The internal reheat system shall be factory installed and include a high efficiency reheat coil located downstream of the evaporator coil, a reclaim valve and integral controls to allow heating, cooling and reheat/dehumidification modes. The reheat coil shall be sized so that during reheat/dehumidification mode the unit will produce neutral air (78 ±3°F DB @ 50-58% relative humidity) with typical 80 DB/67 WB °F entering air and 90°F entering water temperature. The reheat coil shall be sized to restrict airflow by no more than 0.17 in wg at 350 feet per minute airflow velocity.

The following control options are available:

Room wall dehumidistat – An optional room wall dehumidistat shall control the reheat mode thru a 24VAC 'Hum' input (On or Off). Setpoint and deadband shall be determined by the dehumidistat.

Dehumidification set point (used only with a humidity sensor) - The factory default set point for dehumidification is 52% this is field adjustable from 30% to 60%. In addition there shall be a factory default differential of 5% field adjustable from 5% to 15%. The control will enable re-heat when the space humidity rises above the set point plus the differential.

Reheat operation during periods of vacancy - The control logic contains an unoccupied set point that can be used for periods the unoccupied mode if desired. The factory default for the set point is 60% and is adjustable from 30% to 60%. The unoccupied setback must be enabled either through a building automation system or with a user interface. Factory default for unoccupied setback is off.

Space humidity high and low alarm limits (building automation system only) - The control has a high and low alarm limit that can be enumerated over a building automation system. The factory default set point for these alarm limits is 0% for the low alarm and 100% for the high alarm limit. These limits can be adjusted through a building automation system.

Blower Motor and Assembly

The blower shall be a direct drive centrifugal type with a dynamically balanced wheel. The housing and wheel shall be designed for quiet low outlet velocity operation. The blower housing shall be removable from the unit without disconnecting the supply air ductwork for servicing of the blower motor. The blower motor shall be isolated from the housing by rubber grommets. The motor shall be permanently lubricated and have thermostatic overload protection.

Option: PSC blower motor shall be a three-speed PSC type.

Option: 5-Speed ECM blower motor shall be a 5-speed ECM

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type. The 5-speed ECM blower motor shall be soft starting, shall maintain constant torque over its operating static range, and shall provide 5 speed settings. The blower motor shall be isolated from the housing by rubber grommets. The motor shall be permanently lubricated and have thermostatic overload protection. 5-speed ECM motors shall be long-life ball bearing type.

Option: Variable speed ECM blower motor shall be a variable speed ECM type. The variable speed ECM blower motor shall be soft starting, shall maintain constant cfm over its operating static range, and shall provide 12 cfm settings. Variable speed ECM motors shall be long-life ball bearing type.

Option: High static blower motors shall be available on certain PSC and ECM models.

Electrical

A control box shall be located within the unit compressor compartment and shall contain a 75VA transformer, 24 volt activated, 2 pole compressor contactor, terminal block for thermostat wiring and solid-state controller for complete unit operation. Electromechanical operation WILL NOT be accepted. Units shall be name-plated for use with time delay fuses or HACR circuit breakers. Unit controls shall be 24 volt and provide heating or cooling as required by the remote thermostat/sensor.

An Aurora microprocessor-based controller that interfaces with a multi-stage electronic thermostat to monitor and control unit operation shall be provided. The control shall provide operational sequencing, blower speed control, high and low pressure switch monitoring, freeze detection, condensate overflow sensing, lockout mode control, LED status and fault indicators, fault memory, field selectable options and accessory output. The control shall provide fault retry three times before locking out to limit nuisance trips.

A detachable terminal block with screw terminals will be provided for field control wiring. All units shall have knockouts for entrance of low and line voltage wiring. The blower motor and control box shall be harness plug wired for easy removal.

Optional IntelliStart® (compressor soft starter) shall be factory installed for use in applications that require low starting amps, reduced compressor startup noise, off-grid, and improved startup behavior. IntelliStart shall reduce normal starting current by 60% on 208-230/60/1 units.

Piping

Supply and return water connections shall be FPT copper fittings fixed to the corner post, which eliminate the need for backup pipe wrenches.

With vertical units, the condensate connection shall be a 3/4 in. [19.1 mm] PVC socket with internally-trapped hose that can be routed to front or side corner post locations.

Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Engineering Guide Specifications cont.

Hanger Kit

(included with horizontal units only - field installed)

The hanger kit shall consist of galvanized steel brackets, bolts, lock washers, and isolators and shall be designed to fasten to the unit bottom panel for suspension from 3/8 in. threaded rods. Unit sizes 009-070 shall include four brackets. Brackets shall not inhibit filter removal in any way.

Accessories

Thermostat (field-installed)

A multi-stage auto-changeover electronic digital thermostat shall be provided. The thermostat shall offer two heating stages and one cooling stage with precise temperature control. An OFF-HEAT-AUTO-COOL-EMERG system switch, OFF-AUTO blower switch, and indicating LEDs shall be provided. The thermostat shall display in °F or °C.

Hose Kits – Ball Valves (field-installed)

A flexible steel braid hose featuring Kevlar® reinforced EPDM core with ANSI 302/304 stainless steel outer braid and fire rated materials per ASTM E 84-00 (NFPA 255, ANSI/UL 723 & UBC 8-1). Ball valve at one end; swivel connector with adapter at the other end (swivel to adapter connection via fiber or EPDM gasket). Swivel connection provides union between heat pump and piping system. The hoses feature brass fittings, stainless steel ferrules. A full port ball valve shall be provided with integral P/T (pressure/temperature) port on supply hose.

Specifications:

- Temperature range of 35°F [2°C] to 180°F [82°C].
- Max. working pressure of 400 psi [2757 kPa] for 1/2 in. and 3/4 in. hose kits; max. working pressure of 350 psi [kPa] for 1 in. and 1-1/4 in. hose kits.

Hose Kits – Automatic Balancing and Ball Valves (field-installed)

A flexible steel braid hose featuring Kevlar® reinforced EPDM core with ANSI 302/304 stainless steel outer braid and fire rated materials per ASTM E 84-00 (NFPA 255, ANSI/UL 723 & UBC 8-1). Ball valve at one end; swivel connector with adapter at the other end (swivel to adapter connection via fiber or EPDM gasket). Swivel connection provides union between heat pump and piping system. The hoses feature brass fittings, stainless steel ferrules. A full port ball valve shall be provided with integral P/T (pressure/temperature) port on supply hose and automatic balancing valve with integral P/T ports and full port ball valve on return hose.

Specifications:

- Temperature range of 35°F [2°C] to 180°F [82°C]
- Max. working pressure of 400 psi [2757 kPa] for 1/2 in. and 3/4 in. hose kits; max. working pressure of 350 psi [2413 kPa] for 1 in. and 1-1/4 in. hose kits
- Minimum burst pressure of four times working pressure

Hose Kits – Automatic Balancing and Ball Valves with ‘Y’ strainer (field-installed)

A flexible steel braid hose featuring Kevlar® reinforced EPDM core with ANSI 302/304 stainless steel outer braid and fire rated materials per ASTM E 84-00 (NFPA 255, ANSI/UL 723 & UBC 8-1). Ball valve at one end; swivel connector with adapter at the other end (swivel to adapter connection via fiber or EPDM gasket). Swivel connection provides union between heat pump and piping system. The hoses feature brass fittings, stainless steel ferrules. A “y” strainer is provided on one end for fluid straining and integral “blowdown” valve. A full port ball valve shall be provided with integral P/T (pressure/temperature) port on supply hose and automatic balancing valve with integral P/T ports and full port ball valve on return hose.

Specifications:

- Temperature range of 35°F [2°C] to 180°F [82°C]
- Max. working pressure of 400 psi [2756 kPa] for 1/2 in. and 3/4 in. hose kits; max. working pressure of 350 psi [2413 kPa] for 1 in. and 1-1/4 in. hose kits
- Minimum burst pressure of four times working pressure

Hot Water Pump Kit

An accessory pump kit is available for hot water generation option. This kit includes hot water pump, fittings, and water heater kit necessary for potable water application. Order DPK5 for use with Aurora and FX10 controls.

Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

LX Ultra Series
Single Capacity
.75 - 6 Tons 60Hz



Revision Guide

Pages:	Description:	Date:	By:
Misc.	Updated Nomenclature, Wiring Schematics, AHRI Data	27 May 2016	MA
2, 20	Updated ETL Logo, Updated Pressure Drop Data	19 May 2015	MA
All	First Published	18 Oct 2013	DS

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