



APPLICATION GUIDE

ROOF TOP UNITS

50Hz

LXS-Series

Fixed Speed Cooling only & Heat Pump

52,000 → 680,000 Btu/Hr



RTU081520185

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Feature

Nomenclature		Mode		Evaporator Motor		Controller	
		Cooling	Heating	AC	EC Plug fan	Wireless	Wired
Cooling	LXSRT-52S0M3C	X			X		X
	LXSRT-60S0M3C	X			X		X
	LXSRT-80S0M3C	X			X		X
	LXSRT-90S0M3C	X			X		X
	LXSRT-120S0M3C	X			X		X
	LXSRT-150S0M3C	X			X		X
	LXSRT-180S0M3C	X			X		X
	LXSRT-240S0M3C	X			X		X
	LXSRT-300S0M3C	X			X		X
	LXSRT-360S0M3C	X			X		X
	LXSRT-400S0M3C	X			X		X
	LXSRT-420S0M3C	X			X		X
	LXSRT-480S0M3C	X			X		X
	LXSRT-540S0M3C	X			X		X
	LXSRT-600S0M3C	X			X		X
	LXSRT-680S0M3C	X			X		X
Heat pump	LXSRT-52S0M3HP	X	X		X		X
	LXSRT-60S0M3HP	X	X		X		X
	LXSRT-80S0M3HP	X	X		X		X
	LXSRT-90S0M3HP	X	X		X		X
	LXSRT-120S0M3HP	X	X		X		X
	LXSRT-150S0M3HP	X	X		X		X
	LXSRT-180S0M3HP	X	X		X		X
	LXSRT-240S0M3HP	X	X		X		X
	LXSRT-300S0M3HP	X	X		X		X
	LXSRT-360S0M3HP	X	X		X		X
	LXSRT-400S0M3HP	X	X		X		X
	LXSRT-420S0M3HP	X	X		X		X
	LXSRT-480S0M3HP	X	X		X		X
	LXSRT-540S0M3HP	X	X		X		X
	LXSRT-600S0M3HP	X	X		X		X
	LXSRT-680S0M3HP	X	X		X		X

Feature

Nomenclature		Protection					
		Compressor Protection (Discharge pipe)	High Pressure	Low Pressure	3 Phase Protection	Check Valve	Strainer
Cooling	LXSRT-52S0M3C	X	X	X	X		X
	LXSRT-60S0M3C	X	X	X	X		X
	LXSRT-80S0M3C	X	X	X	X		X
	LXSRT-90S0M3C	X	X	X	X		X
	LXSRT-120S0M3C	X	X	X	X		X
	LXSRT-150S0M3C	X	X	X	X		X
	LXSRT-180S0M3C	X	X	X	X		X
	LXSRT-240S0M3C	X	X	X	X		X
	LXSRT-300S0M3C	X	X	X	X		X
	LXSRT-360S0M3C	X	X	X	X		X
	LXSRT-400S0M3C	X	X	X	X		X
	LXSRT-420S0M3C	X	X	X	X		X
	LXSRT-480S0M3C	X	X	X	X		X
	LXSRT-540S0M3C	X	X	X	X		X
	LXSRT-600S0M3C	X	X	X	X		X
	LXSRT-680S0M3C	X	X	X	X		X
Heat pump	LXSRT-52S0M3HP	X	X	X	X	X	X
	LXSRT-60S0M3HP	X	X	X	X	X	X
	LXSRT-80S0M3HP	X	X	X	X	X	X
	LXSRT-90S0M3HP	X	X	X	X	X	X
	LXSRT-120S0M3HP	X	X	X	X	X	X
	LXSRT-150S0M3HP	X	X	X	X	X	X
	LXSRT-180S0M3HP	X	X	X	X	X	X
	LXSRT-240S0M3HP	X	X	X	X	X	X
	LXSRT-300S0M3HP	X	X	X	X	X	X
	LXSRT-360S0M3HP	X	X	X	X	X	X
	LXSRT-400S0M3HP	X	X	X	X	X	X
	LXSRT-420S0M3HP	X	X	X	X	X	X
	LXSRT-480S0M3HP	X	X	X	X	X	X
	LXSRT-540S0M3HP	X	X	X	X	X	X
	LXSRT-600S0M3HP	X	X	X	X	X	X
	LXSRT-680S0M3HP	X	X	X	X	X	X

Feature

Nomenclature		Refrigerant Control			Inverter		Others
		Capillary Tube	TXV	EXV	No	Yes	4 way reversing valve
Cooling	LXSRT-52S0M3C		X		X		
	LXSRT-60S0M3C		X		X		
	LXSRT-80S0M3C		X		X		
	LXSRT-90S0M3C		X		X		
	LXSRT-120S0M3C		X		X		
	LXSRT-150S0M3C		X		X		
	LXSRT-180S0M3C		X		X		
	LXSRT-240S0M3C		X		X		
	LXSRT-300S0M3C		X		X		
	LXSRT-360S0M3C		X		X		
	LXSRT-400S0M3C		X		X		
	LXSRT-420S0M3C		X		X		
	LXSRT-480S0M3C		X		X		
	LXSRT-540S0M3C		X		X		
	LXSRT-600S0M3C		X		X		
	LXSRT-680S0M3C		X		X		
Heat pump	LXSRT-52S0M3HP		X		X		X
	LXSRT-60S0M3HP		X		X		X
	LXSRT-80S0M3HP		X		X		X
	LXSRT-90S0M3HP		X		X		X
	LXSRT-120S0M3HP		X		X		X
	LXSRT-150S0M3HP		X		X		X
	LXSRT-180S0M3HP		X		X		X
	LXSRT-240S0M3HP		X		X		X
	LXSRT-300S0M3HP		X		X		X
	LXSRT-360S0M3HP		X		X		X
	LXSRT-400S0M3HP		X		X		X
	LXSRT-420S0M3HP		X		X		X
	LXSRT-480S0M3HP		X		X		X
	LXSRT-540S0M3HP		X		X		X
	LXSRT-600S0M3HP		X		X		X
	LXSRT-680S0M3HP		X		X		X

Feature

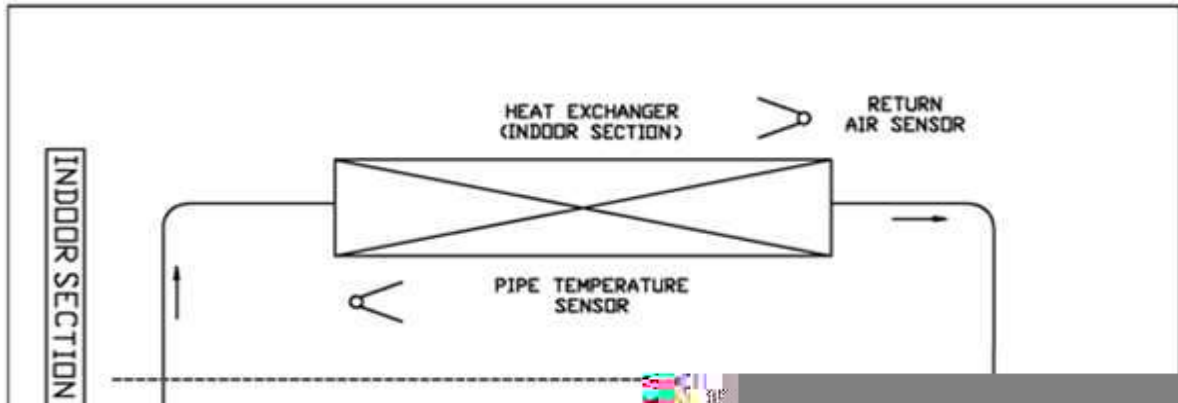
- External stainless-steel fittings
- Thermostat wire room maximum 20 meter
- Power surge and phase failure protector
- 3 Fan speed of condenser side
- Automatic De-Ice (For Heat pump)
- Crankcase heater (For Heat pump)
- Modbus (RS-485) protocol controller with connector
- Galvanized steel paneling
- Insulation 12 mm.
- Aluminium Pre-Filter
- Anti-Corrosion Pre-coated Blue Fin with 500 hrs. salt spray test.
- High quality BLDC Twin Rotary/Scroll inverter compressor
- Time delay protection for compressor
- Anti short cycle timer
- Limit start timer
- Quiet & efficient
- Reverse phase protection
- Overload protection for both fan motor
- High/Low Pressure Switch
- High quality control procedures
- R410a refrigerant is used in standard units
- High Guard - Protection of Condenser
- Error Code - 7-SEG Display

Optional Feature

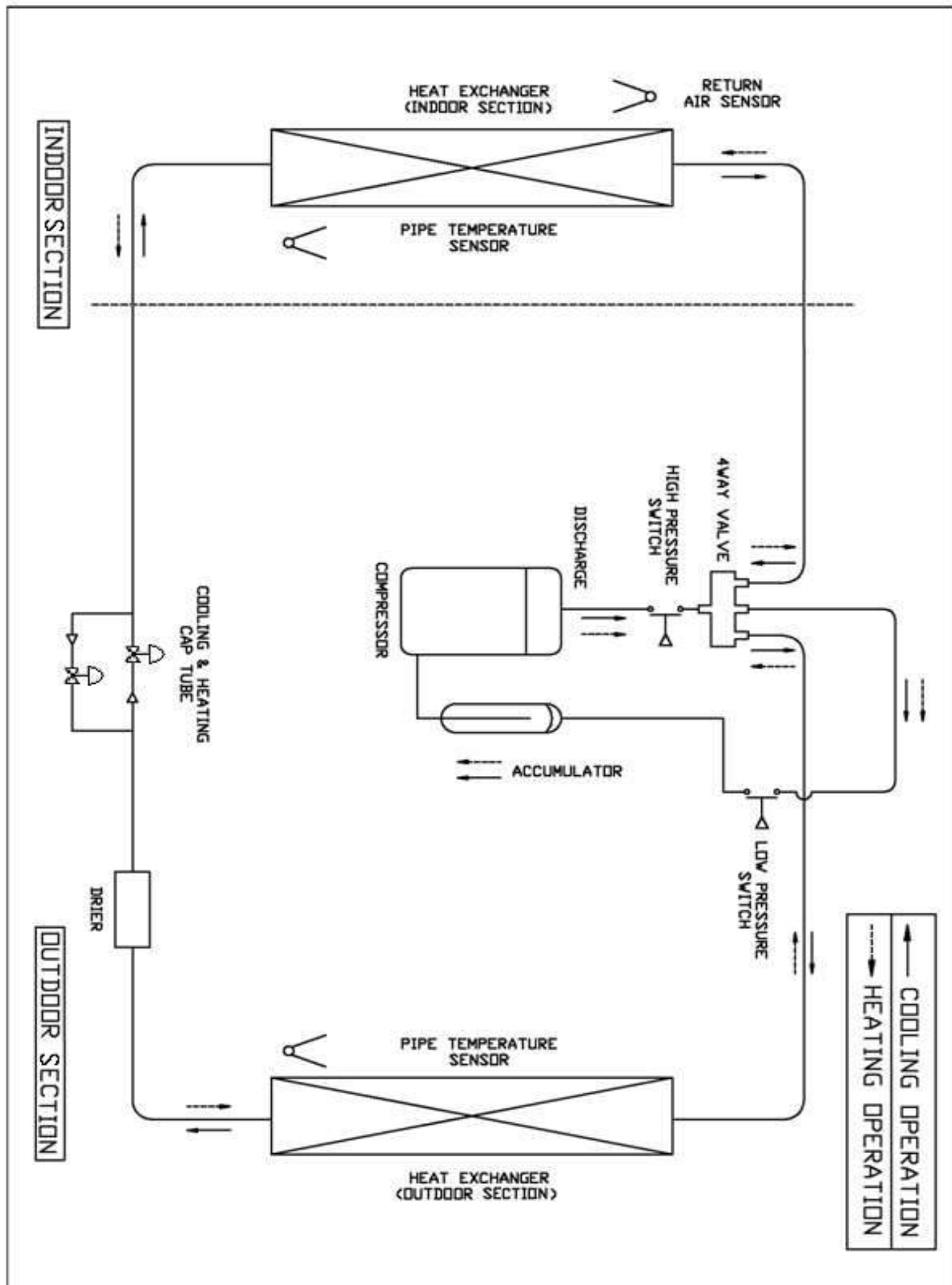
- Web-Based Centralized Control
- Stainless steel drip tray
- CO2 sensor
- PM2.5 Fine Particle Dust sensor
- Relative Humidity sensor
- 100% Fresh Air
- HEPA Filter
- LED light in fan and filter section - Water Proof
- Pre-painted double skin
- Double skin panels 50 mm.

Application Information

Refrigerant Circuit Diagrams Cooling only



Refrigerant Circuit Diagrams Heat Pump



Engineering & Physical Data

Table of Specifications

Model	Cooling Only		Normal	LXSRT-52S0M3C	LXSRT-60S0M3C	LXSRT-80S0M3C	LXSRT-90S0M3C	LXSRT-120S0M3C
	Heat Pump			LXSRT-52S0M3HP	LXSRT-60S0M3HP	LXSRT-80S0M3HP	LXSRT-90S0M3HP	LXSRT-120S0M3HP
Nominal Cooling Capacity T1			kW	15.21	17.61	23.49	26.41	35.20
			BTU/h	51,897	60,085	80,148	90,111	120,102
Nominal Total Input Power Cooling T1			kW	5.46	6.33	8.43	9.47	12.63
COP T1			W/W	2.79	2.78	2.79	2.79	2.79
EER T1			BTU/h/W	9.50	9.49	9.51	9.52	9.51
IEER			BTU/h/W	10.46	10.44	10.46	10.47	10.46
Nominal Cooling Capacity T3			kW	13.39	15.50	20.67	23.24	30.98
			BTU/h	45,687	52,886	70,526	79,295	105,704
Nominal Total Input Power Cooling T3			kW	6.56	7.60	10.12	11.37	15.16
COP T3			W/W	2.04	2.04	2.04	2.04	2.04
EER T3			BTU/h/W	6.96	6.96	6.97	6.97	6.97
Nominal Cooling Capacity T4			kW	13	15.10	20.26	22.82	30.36
			BTU/h	44,356	51,521	69,122	77,863	103,588
Nominal Total Input Power Cooling T4			kW	6.69	7.73	10.25	11.50	15.36
COP T4			W/W	1.94	1.95	1.98	1.98	1.98
EER T4			BTU/h/W	6.63	6.66	6.74	6.77	6.74
Nominal Heating Capacity			kW	15.62	18.5	24.7	27.7	37.0
			BTU/h	53,295	63,117	84,274	94,675	126,232
Nominal Total Input Power Heating			kW	4.57	5.4	7.2	8.1	11.1
COP Heat Pump			W/W	3.42	3.45	3.44	3.43	3.33
EER Heat Pump			BTU/h/W	11.66	11.77	11.74	11.69	11.38
Refrigerant Control			TXV					
Power Source			V/Ph/Hz	380-415 / 3 / 50				
Refrigerant Type			R410A					
Unit Dimension		WxLxH	mm	1,275 x 1,645 x 1,000			1,275 x 1,665 x 1,265	
Packing Dimension		WxLxH	mm	1,330 x 1,700 x 1,250			1,330 x 1,720 x 1,520	
Net Weight			kg	225	230	310	327	358
External Static Pressure			Pa	175	175	240	240	240
Casing			Colour	White				
Evaporator	Air Flow		CFM	1,817	1,817	3,600	3,600	3,600
	Condensate Drain Size		inch	1				
	Fan	Type		Backward Curved Centrifugal Fan				
		Drive		Direct				
		Number of Fan		1				
	Fan Motor	Insulation Grade		F				
		Type		EC Plug Fan				
	Coil	Tube	Material	Copper Tube				
			Diameter	mm	9.53			
		Fin	Material	Anti-corrosive Pre-coated Aluminium Blue Fin				
Row			4					
Condenser	Fan	Type		Propeller				
		Drive		Direct				
		Number of fan & Motor		1				
	Fan Motor	Insulation Grade		F				
		Type		AC Motor				
	Compressor	Type		Scroll				
		Number of Compressor		1				
	Coil	Tube	Material	Copper Tube				
			Diameter	mm	9.53			
		Fin	Material	Anti-corrosive Pre-coated Aluminium Blue Fin				
Row			3					
Operating Temperature			°C	20 - 55				
Ambient Temperature			°C	7 - 55				
Quantity per 40"HC			Unit	9				

Notes.

1. DB : Dry Bulb Temperature (°C)
2. WB : Wet Bulb Temperature (°C)
3. The specification are subject to change without prior notice.

Cooling T1		Heating	
IN: 27°C DB / 19°C WB	OUT: 35°C DB / 24°C WB	IN: 20°C DB / 15°C WB	OUT: 7°C DB / 6°C WB
Cooling T3		Cooling T4	
IN: 29°C DB / 19°C WB	OUT: 46°C DB / 24°C WB	IN: 26.6°C DB / 19.4°C WB	OUT: 48°C DB / 26.9°C WB

Table of Specifications

Model	Cooling Only		Normal	LXSRT-150S0M3C	LXSRT-180S0M3C	LXSRT-240S0M3C	LXSRT-300S0M3C	LXSRT-360S0M3C	
	Heat Pump			LXSRT-150S0M3HP	LXSRT-180S0M3HP	LXSRT-240S0M3HP	LXSRT-300S0M3HP	LXSRT-360S0M3HP	
Nominal Cooling Capacity T1			kW	43.99	52.82	70.32	87.99	105.55	
			BTU/h	150,094	180,222	239,932	300,222	360,137	
Nominal Total Input Power Cooling T1			kW	15.75	18.95	25.20	31.67	37.87	
COP T1			W/W	2.79	2.79	2.79	2.78	2.79	
EER T1			BTU/h/W	9.53	9.51	9.52	9.48	9.51	
IEER			BTU/h/W	10.48	10.46	10.47	10.43	10.46	
Nominal Cooling Capacity T3			kW	38.72	46.49	61.89	77.44	92.89	
			BTU/h	132,113	158,624	211,169	264,225	316,941	
Nominal Total Input Power Cooling T3			kW	18.91	22.75	30.26	38.02	45.47	
COP T3			W/W	2.05	2.04	2.05	2.04	2.04	
EER T3			BTU/h/W	6.99	6.97	6.98	6.95	6.97	
Nominal Cooling Capacity T4			kW	38.06	45.64	60.64	76.13	91.28	
			BTU/h	129,861	155,724	206,904	259,762	311,447	
Nominal Total Input Power Cooling T4			kW	19.10	23.01	30.65	38.41	45.95	
COP T4			W/W	1.99	1.98	1.98	1.98	1.99	
EER T4			BTU/h/W	6.80	6.77	6.75	6.76	6.78	
Nominal Heating Capacity			kW	46.2	55.5	73.9	92.4	110.9	
			BTU/h	157,656	189,349	252,108	315,313	378,376	
Nominal Total Input Power Heating			kW	13.9	16.8	22.5	28.5	35.8	
COP Heat Pump			W/W	3.33	3.31	3.29	3.25	3.10	
EER Heat Pump			BTU/h/W	11.35	11.28	11.22	11.08	10.56	
Refrigerant Control			TXV						
Power Source			V/Ph/Hz	380-415 / 3 / 50					
Refrigerant Type			R410A						
Unit Dimension		WxLxH	mm	1,783 x 1,995 x 1,305			2,030 x 3,100 x 1,300		
Packing Dimension		WxLxH	mm	1,840 x 2,050 x 1,550			2,080 x 3,150 x 1,550		
Net Weight			kg	559	658	714	1,110		
External Static Pressure			Pa	240	240	240	240	240	
Casing			Colour	White					
Evaporator	Air Flow		CFM	7,647	7,647	7,647	15,134	15,134	
	Condensate Drain Size		inch	1					
	Fan	Type	Backward Curved Centrifugal Fan						
		Drive	Direct						
		Number of Fan	1			2			
	Fan Motor	Insulation Grade	F						
		Type	EC Plug Fan						
	Coil	Tube	Material	Copper Tube					
			Diameter	mm	9.53				
		Fin	Material	Anti-corrosive Pre-coated Aluminium Blue Fin					
Row			4						
Condenser	Fan	Type	Propeller						
		Drive	Direct						
		Number of fan & Motor	2			3			
	Fan Motor	Insulation Grade	F						
		Type	AC Motor						
	Compressor	Type	Scroll						
		Number of Compressor	2			3			
	Coil	Tube	Material	Copper Tube					
			Diameter	mm	9.53				
		Fin	Material	Anti-corrosive Pre-coated Aluminium Blue Fin					
Row			3						
Operating Temperature			°C	20 - 55					
Ambient Temperature			°C	7 - 55					
Quantity per 40"HC			Unit	6			3		

Notes.

- 1. DB : Dry Bulb Temperature (°C)
- 2. WB : Wet Bulb Temperature (°C)
- 3. The specification are subject to change without prior notice.

Cooling T1	Heating
IN: 27°C DB / 19°C WB	IN: 20°C DB / 15°C WB
OUT: 35°C DB / 24°C WB	OUT: 7°C DB / 6°C WB
Cooling T3	
IN: 29°C DB / 19°C WB	
OUT: 46°C DB / 24°C WB	
Cooling T4	
IN: 26.6°C DB / 19.4°C WB	
OUT: 48°C DB / 26.9°C WB	

Table of Specifications

Model	Cooling Only		Normal	LXSRT-400S0M3C	LXSRT-420S0M3C	LXSRT-480S0M3C	LXSRT-540S0M3C	LXSRT-600S0M3C	LXSRT-680S0M3C				
	Heat Pump			LXSRT-400S0M3HP	LXSRT-420S0M3HP	LXSRT-480S0M3HP	LXSRT-540S0M3HP	LXSRT-600S0M3HP	LXSRT-680S0M3HP				
Nominal Cooling Capacity T1	kW			116.97	123.51	141.68	158.27	175.82	199.61				
	BTU/h			399,102	421,416	483,412	540,017	599,898	681,069				
Nominal Total Input Power Cooling T1	kW			41.93	44.31	50.78	56.75	63.08	71.65				
COP T1	W/W			2.79	2.79	2.79	2.79	2.79	2.79				
EER T1	BTU/h/W			9.52	9.51	9.52	9.52	9.51	9.51				
IEER	BTU/h/W			10.47	10.46	10.47	10.47	10.46	10.46				
Nominal Cooling Capacity T3	kW			102.94	108.70	124.69	139.29	154.74	175.67				
	BTU/h			351,231	370,884	425,442	475,257	527,973	599,386				
Nominal Total Input Power Cooling T3	kW			50.34	53.20	60.97	68.14	75.74	86.03				
COP T3	W/W			2.04	2.04	2.05	2.04	2.04	2.04				
EER T3	BTU/h/W			6.98	6.97	6.98	6.97	6.97	6.97				
Nominal Cooling Capacity T4	kW			101.04	106.77	122.70	137.07	152.29	172.89				
	BTU/h			344,738	364,299	418,639	467,683	519,613	589,901				
Nominal Total Input Power Cooling T4	kW			50.93	53.78	61.55	68.77	76.44	86.83				
COP T4	W/W			1.98	1.99	1.99	1.99	1.99	1.99				
EER T4	BTU/h/W			6.77	6.77	6.80	6.80	6.80	6.79				
Nominal Heating Capacity	kW			123.2	129.8	148.8	166.4	184.8	210.2				
	BTU/h			420,298	442,891	507,800	567,689	630,448	717,232				
Nominal Total Input Power Heating	kW			39.8	42.0	48.1	54.0	60.2	69.0				
COP Heat Pump	W/W			3.09	3.09	3.09	3.08	3.07	3.04				
EER Heat Pump	BTU/h/W			10.55	10.55	10.55	10.51	10.47	10.39				
Refrigerant Control	TXV												
Power Source	V/Ph/Hz		380-415 / 3 / 50										
Refrigerant Type	R410A												
Unit Dimension	WxLxH	mm	2,050 x 4,100 x 2,050			2,050 x 4,200 x 2,050		2,150 x 4,205 x 2,350		2,150 x 4,205 x 2,350			
Packing Dimension	WxLxH	mm	2,150 x 4,200 x 2,200			2,150 x 4,300 x 2,200		2,250 x 4,305 x 2,500		2,250 x 4,305 x 2,450			
Net Weight	kg		1,581			1,750		1,802		2,006			
External Static Pressure	Pa		240		240		250		250				
Casing	Colour		White										
Evaporator	Air Flow		CFM	15,134	15,134	15,134	22,341	22,341	22,341	22,341			
	Condensate Drain Size		inch	1									
	Fan	Type	Backward Curved Centrifugal Fan										
		Drive	Direct										
	Fan Motor	Number of Fan	2			3							
		Insulation Grade	F										
	Coil	Type	EC Plug Fan										
		Tube	Material	Copper Tube									
			Diameter	mm		9.53							
		Fin	Material	Anti-corrosive Pre-coated Aluminium Blue Fin									
Row	4												
Condenser	Fan	Type	Propeller										
		Drive	Direct										
	Fan Motor	Number of fan & Motor	4			5			6				
		Insulation Grade	F										
	Compressor	Type	AC Motor										
		Number of Compressor	4			5			6				
	Coil	Tube	Material	Copper Tube									
			Diameter	mm		9.53							
		Fin	Material	Anti-corrosive Pre-coated Aluminium Blue Fin									
			Row	3									
Operating Temperature	°C		20-55										
Ambient Temperature	°C		7 - 55										
Quantity per 40"HC	Unit		2										

Notes.

1. DB : Dry Bulb Temperature (°C)
2. WB : Wet Bulb Temperature (°C)
3. The specification are subject to change without prior notice.

Cooling T1	Heating
IN: 27°C DB / 19°C WB	IN: 20°C DB / 15°C WB
OUT: 35°C DB / 24°C WB	OUT: 7°C DB / 6°C WB
Cooling T3	
IN: 29°C DB / 19°C WB	
OUT: 46°C DB / 24°C WB	
Cooling T4	
IN: 26.6°C DB / 19.4°C WB	
OUT: 48°C DB / 26.9°C WB	

Performance Data

Cooling

Engineering Data – R410A Model (Cooling)

LXSRT-52S0M3C

Performance Data

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		19			25			30			35		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	15.25	11.43	4.41	14.68	11.13	4.66	14.36	11.05	5.02	13.71	10.72	5.33
21	16	15.52	10.36	4.43	14.90	10.08	4.68	14.54	10.00	5.04	13.85	9.69	5.35
21	17	15.78	9.29	4.45	15.12	9.04	4.70	14.73	8.96	5.05	13.99	8.68	5.36
24	16	15.61	12.77	4.44	15.05	12.40	4.70	14.74	12.24	5.06	14.09	11.81	5.36
24	19	16.92	10.31	4.53	16.26	10.04	4.79	15.87	9.96	5.14	15.13	9.66	5.45
24	19.4	17.11	10.25	4.54	16.44	9.98	4.80	16.05	9.91	5.16	15.30	9.61	5.47
24	22	18.34	9.87	4.63	17.61	9.63	4.90	17.20	9.58	5.26	16.40	9.30	5.57
26.6	16	15.93	13.92	4.46	15.38	13.52	4.72	15.09	13.35	5.08	14.46	12.88	5.39
26.6	19	16.97	11.63	4.53	16.30	11.36	4.79	15.92	11.31	5.15	15.17	11.08	5.46
26.6	19.4	17.16	11.42	4.54	16.48	11.15	4.81	16.10	11.10	5.16	15.34	10.87	5.47
26.6	22	18.38	10.03	4.63	17.65	9.79	4.90	17.24	9.73	5.26	16.45	9.45	5.57
27	16	16.20	14.91	4.47	15.67	14.49	4.74	15.40	14.32	5.10	14.79	13.81	5.42
27	19	17.01	12.78	4.53	16.34	12.51	4.80	15.96	12.47	5.15	15.21	12.32	5.46
27	19.4	17.20	12.44	4.55	16.52	12.17	4.81	16.14	12.13	5.17	15.38	11.95	5.48
27	22	18.42	10.17	4.63	17.69	9.92	4.90	17.29	9.87	5.27	16.48	9.58	5.57
29	16	16.30	15.22	4.49	15.77	14.78	4.75	15.45	14.54	5.12	14.83	14.02	5.43
29	19	17.07	13.09	4.54	16.40	12.80	4.80	16.03	12.74	5.16	15.29	12.54	5.47
29	19.4	17.25	12.76	4.55	16.58	12.47	4.81	16.20	12.42	5.17	15.45	12.21	5.48
29	22	18.43	10.59	4.64	17.70	10.34	4.90	17.30	10.29	5.27	16.50	10.00	5.58
30	16	16.80	16.80	4.54	16.24	16.24	4.81	15.66	15.66	5.18	15.05	15.05	5.50
30	19	17.36	14.64	4.55	16.73	14.24	4.82	16.40	14.10	5.19	15.71	13.66	5.50
30	19.4	17.51	14.38	4.57	16.87	14.00	4.83	16.53	13.88	5.20	15.82	13.46	5.51
30	22	18.48	12.71	4.64	17.76	12.44	4.91	17.35	12.41	5.27	16.55	12.11	5.58

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		40			46			48			52		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	12.75	10.15	5.79	11.86	9.70	6.41	11.54	9.45	6.55	8.22	6.72	7.79
21	16	12.86	9.18	5.80	11.94	8.79	6.42	11.61	8.55	6.56	8.18	5.96	7.79
21	17	12.97	8.24	5.81	12.02	7.90	6.43	11.68	7.67	6.56	8.14	5.19	7.79
24	16	13.12	11.12	5.82	12.28	10.56	6.45	11.96	10.28	6.58	8.70	7.34	7.84
24	19	14.06	9.16	5.91	13.09	8.78	6.53	12.76	8.53	6.66	9.36	5.81	7.91
24	19.4	14.21	9.12	5.92	13.23	8.74	6.54	12.89	8.48	6.68	9.48	5.78	7.92
24	22	15.20	8.81	6.02	14.12	8.42	6.63	13.77	8.17	6.76	10.27	5.57	8.00
26.6	16	13.51	12.13	5.86	12.69	11.50	6.49	12.37	11.21	6.62	9.13	8.19	7.88
26.6	19	14.13	10.43	5.92	13.19	9.94	6.54	12.87	9.67	6.68	9.50	6.85	7.92
26.6	19.4	14.28	10.23	5.93	13.33	9.76	6.55	13.00	9.50	6.69	9.62	6.70	7.94
26.6	22	15.27	8.96	6.03	14.22	8.59	6.64	13.88	8.34	6.78	10.39	5.68	8.02
27	16	13.85	13.01	5.89	13.05	12.31	6.52	12.73	12.01	6.66	9.51	8.93	7.92
27	19	14.19	11.53	5.92	13.29	10.95	6.55	12.96	10.67	6.69	9.63	7.75	7.94
27	19.4	14.34	11.20	5.94	13.42	10.65	6.56	13.09	10.38	6.70	9.74	7.49	7.95
27	22	15.33	9.10	6.04	14.31	8.73	6.65	13.97	8.48	6.79	10.50	5.78	8.03
29	16	13.87	13.17	5.90	13.07	12.46	6.53	12.75	12.15	6.67	9.52	9.03	7.93
29	19	14.27	11.76	5.93	13.39	11.17	6.56	13.06	10.88	6.69	9.74	7.95	7.95
29	19.4	14.42	11.46	5.94	13.51	10.90	6.57	13.18	10.62	6.71	9.84	7.71	7.96
29	22	15.34	9.51	6.04	14.33	9.15	6.65	13.99	8.89	6.79	10.51	6.19	8.03
30	16	13.96	13.96	5.97	13.18	13.18	6.60	12.86	12.86	6.74	9.55	9.55	8.00
30	19	14.71	12.91	5.97	13.89	12.25	6.60	13.57	11.96	6.74	10.31	8.93	8.00
30	19.4	14.80	12.73	5.98	13.96	12.11	6.61	13.64	11.82	6.75	10.34	8.83	8.00
30	22	15.40	11.57	6.04	14.40	11.21	6.65	14.06	10.95	6.79	10.59	8.22	8.04

- 1. TOT.CAP. : Total Capacity (kW)
- 2. SENS. CAP. : Sensible Capacity (kW)
- 3. PI : Power input (kW)
- 4. DB : Dry Bulb Temperature (°C)
- 5. WB : Wet Bulb Temperature (°C)
- 6. The specification are subject to change without prior notice.

Cooling T1	Cooling T4
EVAP.: 27°C DB / 19°C WB	EVAP.: 26.6°C DB / 19.4°C WB
COND.: 35°C DB / 24°C WB	COND.: 48°C DB / 26.9°C WB
Cooling T3	
EVAP.: 29°C DB / 19°C WB	
COND.: 46°C DB / 24°C WB	

Cooling

Engineering Data – R410A Model (Cooling)

LXSRT-60S0M3C

Performance Data

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		19			25			30			35		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	17.65	13.23	5.11	16.99	12.89	5.41	16.62	12.79	5.82	15.88	12.41	6.18
21	16	17.96	11.99	5.13	17.25	11.67	5.43	16.84	11.57	5.84	16.04	11.22	6.20
21	17	18.28	10.76	5.16	17.51	10.46	5.45	17.05	10.38	5.86	16.20	10.05	6.21
24	16	18.07	14.79	5.15	17.42	14.36	5.44	17.06	14.17	5.86	16.31	13.67	6.21
24	19	19.59	11.94	5.25	18.82	11.62	5.55	18.38	11.53	5.96	17.51	11.18	6.32
24	19.4	19.81	11.87	5.26	19.03	11.56	5.57	18.58	11.47	5.98	17.71	11.13	6.34
24	22	21.23	11.42	5.37	20.39	11.15	5.68	19.91	11.09	6.10	18.99	10.77	6.45
26.6	16	18.44	16.11	5.17	17.81	15.65	5.47	17.48	15.46	5.89	16.74	14.91	6.25
26.6	19	19.65	13.47	5.25	18.87	13.16	5.56	18.43	13.09	5.97	17.57	12.83	6.33
26.6	19.4	19.86	13.22	5.27	19.08	12.91	5.57	18.64	12.85	5.99	17.76	12.58	6.34
26.6	22	21.28	11.61	5.37	20.44	11.33	5.68	19.96	11.27	6.10	19.04	10.94	6.46
27	16	18.76	17.26	5.19	18.14	16.78	5.50	17.84	16.58	5.92	17.12	15.99	6.28
27	19	19.69	14.80	5.26	18.92	14.49	5.56	18.48	14.44	5.97	17.61	14.26	6.33
27	19.4	19.91	14.40	5.27	19.13	14.09	5.58	18.68	14.04	5.99	17.81	13.84	6.35
27	22	21.33	11.77	5.37	20.48	11.49	5.68	20.01	11.43	6.10	19.09	11.09	6.46
29	16	18.87	17.63	5.20	18.25	17.12	5.51	17.88	16.84	5.93	17.17	16.23	6.30
29	19	19.76	15.16	5.26	18.99	14.82	5.57	18.56	14.76	5.98	17.71	14.52	6.34
29	19.4	19.97	14.77	5.28	19.19	14.44	5.58	18.76	14.38	6.00	17.89	14.13	6.35
29	22	21.34	12.26	5.37	20.50	11.98	5.69	20.03	11.92	6.11	19.10	11.58	6.46
30	16	19.45	19.45	5.26	18.80	18.80	5.58	18.13	18.13	6.00	17.43	17.43	6.38
30	19	20.10	16.95	5.28	19.37	16.49	5.59	18.99	16.33	6.02	18.18	15.82	6.38
30	19.4	20.27	16.65	5.29	19.53	16.21	5.60	19.14	16.07	6.03	18.31	15.58	6.39
30	22	21.40	14.71	5.38	20.56	14.40	5.69	20.09	14.36	6.11	19.16	14.02	6.47

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		40			46			48			52		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	14.76	11.75	6.71	13.74	11.24	7.43	13.41	10.98	7.57	10.09	8.25	8.81
21	16	14.89	10.63	6.73	13.83	10.18	7.44	13.49	9.93	7.58	10.06	7.35	8.82
21	17	15.01	9.54	6.74	13.92	9.15	7.45	13.57	8.91	7.59	10.03	6.44	8.82
24	16	15.19	12.88	6.75	14.22	12.23	7.47	13.90	11.94	7.61	10.63	9.01	8.86
24	19	16.28	10.61	6.85	15.16	10.17	7.57	14.82	9.91	7.70	11.43	7.20	8.95
24	19.4	16.45	10.55	6.87	15.31	10.11	7.58	14.98	9.86	7.72	11.57	7.16	8.96
24	22	17.60	10.20	6.98	16.35	9.75	7.68	16.00	9.50	7.82	12.50	6.90	9.06
26.6	16	15.65	14.05	6.79	14.69	13.31	7.52	14.38	13.02	7.66	11.13	10.01	8.91
26.6	19	16.36	12.08	6.86	15.28	11.51	7.58	14.95	11.24	7.72	11.58	8.42	8.96
26.6	19.4	16.53	11.85	6.88	15.44	11.30	7.59	15.10	11.04	7.73	11.72	8.24	8.98
26.6	22	17.68	10.38	6.99	16.47	9.94	7.70	16.12	9.69	7.83	12.63	7.04	9.07
27	16	16.04	15.06	6.83	15.10	14.25	7.56	14.79	13.96	7.70	11.57	10.87	8.96
27	19	16.42	13.35	6.87	15.38	12.68	7.59	15.06	12.40	7.73	11.72	9.48	8.98
27	19.4	16.60	12.97	6.88	15.54	12.33	7.61	15.21	12.06	7.74	11.86	9.17	8.99
27	22	17.75	10.53	7.00	16.57	10.11	7.71	16.23	9.86	7.84	12.75	7.16	9.09
29	16	16.06	15.24	6.84	15.13	14.42	7.57	14.81	14.12	7.71	11.58	11.00	8.97
29	19	16.53	13.61	6.88	15.50	12.93	7.60	15.17	12.65	7.74	11.85	9.71	8.99
29	19.4	16.69	13.27	6.89	15.64	12.62	7.61	15.32	12.34	7.75	11.98	9.43	9.00
29	22	17.77	11.01	7.00	16.59	10.59	7.71	16.25	10.33	7.85	12.77	7.63	9.09
30	16	16.17	16.17	6.92	15.26	15.26	7.65	14.94	14.94	7.79	11.63	11.63	9.05
30	19	17.03	14.94	6.92	16.08	14.18	7.65	15.76	13.89	7.79	12.50	10.86	9.05
30	19.4	17.14	14.74	6.93	16.16	14.02	7.66	15.84	13.73	7.80	12.55	10.74	9.05
30	22	17.84	13.40	7.01	16.67	12.98	7.71	16.33	12.72	7.85	12.86	9.99	9.10

- TOT.CAP. : Total Capacity (kW)
- SENS. CAP. : Sensible Capacity (kW)
- PI : Power input (kW)
- DB : Dry Bulb Temperature (°C)
- WB : Wet Bulb Temperature (°C)
- The specification are subject to change without prior notice.

Cooling T1	Cooling T4
EVAP.: 27°C DB / 19°C WB	EVAP.: 26.6°C DB / 19.4°C WB
COND.: 35°C DB / 24°C WB	COND.: 48°C DB / 26.9°C WB
Cooling T3	
EVAP.: 29°C DB / 19°C WB	
COND.: 46°C DB / 24°C WB	

Cooling

Engineering Data – R410A Model (Cooling)

LXSRT-80S0M3C

Performance Data

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		19			25			30			35		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	23.55	17.65	6.80	22.67	17.19	7.20	22.17	17.06	7.75	21.18	16.55	8.23
21	16	23.96	16.00	6.84	23.01	15.57	7.23	22.46	15.44	7.78	21.39	14.97	8.25
21	17	24.38	14.35	6.87	23.35	13.96	7.26	22.75	13.84	7.80	21.61	13.41	8.27
24	16	24.11	19.73	6.86	23.24	19.15	7.25	22.76	18.90	7.81	21.75	18.23	8.27
24	19	26.14	15.92	6.99	25.11	15.50	7.39	24.51	15.38	7.94	23.36	14.92	8.42
24	19.4	26.43	15.83	7.01	25.38	15.42	7.42	24.79	15.30	7.97	23.62	14.84	8.44
24	22	28.32	15.24	7.15	27.19	14.87	7.56	26.56	14.79	8.12	25.33	14.37	8.60
26.6	16	24.60	21.49	6.88	23.76	20.88	7.29	23.31	20.62	7.85	22.33	19.89	8.32
26.6	19	26.21	17.97	7.00	25.17	17.55	7.40	24.59	17.46	7.95	23.43	17.12	8.43
26.6	19.4	26.50	17.64	7.02	25.45	17.22	7.42	24.86	17.14	7.97	23.69	16.78	8.45
26.6	22	28.39	15.49	7.15	27.26	15.12	7.57	26.63	15.03	8.12	25.40	14.60	8.60
27	16	25.02	23.03	6.91	24.20	22.38	7.32	23.79	22.12	7.88	22.84	21.33	8.37
27	19	26.27	19.74	7.00	25.23	19.32	7.40	24.65	19.26	7.95	23.49	19.03	8.43
27	19.4	26.56	19.21	7.02	25.51	18.79	7.43	24.92	18.73	7.98	23.75	18.46	8.45
27	22	28.45	15.71	7.16	27.32	15.33	7.57	26.69	15.24	8.13	25.46	14.80	8.61
29	16	25.17	23.51	6.92	24.35	22.83	7.34	23.86	22.46	7.90	22.91	21.65	8.39
29	19	26.36	20.22	7.01	25.33	19.77	7.41	24.76	19.68	7.96	23.62	19.37	8.44
29	19.4	26.64	19.71	7.03	25.60	19.26	7.43	25.02	19.18	7.99	23.87	18.85	8.46
29	22	28.46	16.36	7.16	27.34	15.98	7.57	26.71	15.89	8.13	25.47	15.45	8.61
30	16	25.94	25.94	7.01	25.08	25.08	7.43	24.19	24.19	8.00	23.25	23.25	8.49
30	19	26.81	22.61	7.03	25.84	22.00	7.45	25.33	21.78	8.02	24.25	21.10	8.49
30	19.4	27.04	22.21	7.05	26.05	21.62	7.46	25.52	21.43	8.03	24.43	20.78	8.51
30	22	28.54	19.62	7.17	27.43	19.21	7.58	26.80	19.16	8.14	25.56	18.70	8.62

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		40			46			48			52		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	19.68	15.68	8.94	18.32	14.99	9.90	18.00	14.73	10.04	14.68	12.00	11.28
21	16	19.86	14.19	8.96	18.45	13.58	9.91	18.11	13.33	10.05	14.68	10.75	11.28
21	17	20.03	12.73	8.98	18.57	12.20	9.92	18.22	11.97	10.06	14.68	9.49	11.29
24	16	20.27	17.18	8.99	18.96	16.31	9.95	18.64	16.03	10.09	15.38	13.09	11.34
24	19	21.71	14.15	9.12	20.22	13.57	10.08	19.88	13.31	10.21	16.49	10.60	11.46
24	19.4	21.95	14.08	9.15	20.43	13.49	10.10	20.09	13.24	10.24	16.68	10.54	11.48
24	22	23.48	13.60	9.30	21.81	13.00	10.23	21.46	12.76	10.37	17.96	10.15	11.61
26.6	16	20.87	18.74	9.04	19.60	17.76	10.01	19.28	17.47	10.15	16.04	14.45	11.41
26.6	19	21.82	16.11	9.13	20.38	15.36	10.09	20.05	15.09	10.23	16.69	12.27	11.48
26.6	19.4	22.05	15.80	9.16	20.59	15.08	10.11	20.26	14.81	10.25	16.88	12.01	11.50
26.6	22	23.59	13.84	9.31	21.97	13.26	10.25	21.62	13.01	10.39	18.13	10.36	11.63
27	16	21.39	20.09	9.09	20.15	19.01	10.07	19.83	18.72	10.21	16.61	15.63	11.46
27	19	21.91	17.80	9.14	20.52	16.91	10.11	20.19	16.63	10.25	16.86	13.71	11.50
27	19.4	22.15	17.30	9.17	20.73	16.45	10.13	20.40	16.18	10.27	17.05	13.29	11.52
27	22	23.68	14.05	9.32	22.11	13.49	10.26	21.76	13.23	10.40	18.29	10.54	11.64
29	16	21.42	20.33	9.11	20.18	19.24	10.09	19.87	18.93	10.23	16.63	15.81	11.48
29	19	22.04	18.16	9.16	20.67	17.24	10.12	20.35	16.96	10.26	17.03	14.03	11.51
29	19.4	22.26	17.69	9.18	20.87	16.83	10.14	20.54	16.55	10.28	17.20	13.65	11.53
29	22	23.70	14.68	9.32	22.13	14.13	10.26	21.79	13.87	10.40	18.31	11.17	11.65
30	16	21.57	21.57	9.22	20.35	20.35	10.19	20.03	20.03	10.33	16.73	16.73	11.59
30	19	22.72	19.93	9.22	21.45	18.92	10.19	21.14	18.63	10.33	17.87	15.60	11.59
30	19.4	22.86	19.66	9.23	21.56	18.70	10.20	21.24	18.42	10.34	17.94	15.43	11.60
30	22	23.79	17.87	9.33	22.24	17.31	10.27	21.89	17.05	10.41	18.43	14.32	11.66

- TOT.CAP. : Total Capacity (kW)
- SENS. CAP. : Sensible Capacity (kW)
- PI : Power input (kW)
- DB : Dry Bulb Temperature (°C)
- WB : Wet Bulb Temperature (°C)
- The specification are subject to change without prior notice.

Cooling T1	Cooling T4
EVAP.: 27°C DB / 19°C WB	EVAP.: 26.6°C DB / 19.4°C WB
COND.: 35°C DB / 24°C WB	COND.: 48°C DB / 26.9°C WB
Cooling T3	
EVAP.: 29°C DB / 19°C WB	
COND.: 46°C DB / 24°C WB	

Cooling

Engineering Data – R410A Model (Cooling)

LXSRT-90S0M3C

Performance Data

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		19			25			30			35		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	26.47	19.85	7.64	25.48	19.33	8.09	24.93	19.18	8.71	23.81	18.61	9.25
21	16	26.94	17.99	7.68	25.87	17.50	8.12	25.25	17.36	8.74	24.05	16.83	9.27
21	17	27.41	16.13	7.71	26.26	15.69	8.15	25.57	15.56	8.76	24.30	15.08	9.30
24	16	27.11	22.18	7.70	26.13	21.53	8.14	25.59	21.25	8.77	24.46	20.50	9.30
24	19	29.39	17.90	7.85	28.23	17.43	8.31	27.56	17.29	8.92	26.27	16.77	9.46
24	19.4	29.71	17.80	7.88	28.54	17.33	8.33	27.87	17.20	8.95	26.56	16.69	9.48
24	22	31.84	17.13	8.03	30.57	16.72	8.49	29.86	16.63	9.12	28.48	16.15	9.66
26.6	16	27.65	24.17	7.73	26.71	23.48	8.19	26.21	23.19	8.82	25.11	22.37	9.35
26.6	19	29.46	20.20	7.86	28.30	19.73	8.31	27.64	19.63	8.93	26.34	19.25	9.46
26.6	19.4	29.79	19.83	7.88	28.62	19.36	8.34	27.95	19.27	8.96	26.64	18.87	9.49
26.6	22	31.92	17.41	8.03	30.65	17.00	8.50	29.94	16.90	9.13	28.55	16.41	9.66
27	16	28.13	25.89	7.76	27.21	25.16	8.23	26.75	24.86	8.85	25.68	23.99	9.40
27	19	29.53	22.20	7.86	28.37	21.72	8.32	27.71	21.66	8.93	26.41	21.39	9.47
27	19.4	29.86	21.59	7.89	28.68	21.13	8.34	28.02	21.05	8.96	26.70	20.76	9.50
27	22	31.98	17.66	8.04	30.72	17.23	8.50	30.01	17.14	9.13	28.62	16.63	9.67
29	16	28.30	26.43	7.78	27.38	25.67	8.24	26.82	25.25	8.87	25.75	24.34	9.42
29	19	29.63	22.74	7.87	28.48	22.23	8.33	27.84	22.13	8.95	26.55	21.78	9.48
29	19.4	29.95	22.16	7.89	28.78	21.66	8.35	28.13	21.56	8.97	26.83	21.19	9.51
29	22	32.00	18.39	8.04	30.74	17.96	8.51	30.03	17.87	9.13	28.64	17.37	9.67
30	16	29.16	29.16	7.88	28.20	28.20	8.34	27.19	27.19	8.98	26.14	26.14	9.54
30	19	30.14	25.42	7.90	29.05	24.73	8.36	28.48	24.49	9.00	27.27	23.72	9.54
30	19.4	30.40	24.98	7.92	29.29	24.31	8.38	28.70	24.09	9.02	27.47	23.37	9.56
30	22	32.09	22.06	8.05	30.83	21.60	8.52	30.13	21.54	9.14	28.74	21.03	9.68

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		40			46			48			52		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	22.13	17.63	10.04	20.60	16.85	11.12	20.28	16.59	11.26	16.95	13.86	12.50
21	16	22.32	15.95	10.06	20.74	15.26	11.13	20.40	15.02	11.27	16.97	12.43	12.51
21	17	22.52	14.31	10.08	20.88	13.72	11.15	20.53	13.48	11.29	16.99	11.01	12.51
24	16	22.79	19.31	10.10	21.32	18.33	11.18	21.00	18.05	11.32	17.74	15.12	12.57
24	19	24.41	15.91	10.25	22.73	15.25	11.32	22.40	15.00	11.46	19.00	12.28	12.70
24	19.4	24.68	15.83	10.28	22.97	15.17	11.34	22.63	14.91	11.48	19.22	12.21	12.72
24	22	26.40	15.29	10.45	24.52	14.62	11.49	24.17	14.37	11.63	20.67	11.77	12.87
26.6	16	23.47	21.06	10.16	22.03	19.96	11.25	21.72	19.67	11.39	18.47	16.66	12.64
26.6	19	24.53	18.11	10.26	22.91	17.27	11.34	22.58	17.00	11.48	19.22	14.17	12.72
26.6	19.4	24.79	17.77	10.29	23.15	16.95	11.36	22.82	16.69	11.50	19.44	13.89	12.75
26.6	22	26.52	15.56	10.46	24.70	14.91	11.51	24.35	14.66	11.65	20.86	12.01	12.89
27	16	24.05	22.58	10.21	22.65	21.38	11.31	22.34	21.08	11.45	19.11	18.00	12.70
27	19	24.63	20.02	10.27	23.07	19.01	11.35	22.74	18.73	11.49	19.41	15.81	12.74
27	19.4	24.90	19.45	10.30	23.31	18.50	11.38	22.98	18.22	11.52	19.63	15.33	12.77
27	22	26.62	15.79	10.47	24.85	15.17	11.53	24.51	14.91	11.67	21.04	12.21	12.91
29	16	24.09	22.86	10.24	22.69	21.63	11.33	22.38	21.33	11.47	19.14	18.21	12.73
29	19	24.78	20.41	10.29	23.24	19.39	11.37	22.92	19.11	11.51	19.60	16.17	12.76
29	19.4	25.03	19.89	10.31	23.46	18.92	11.39	23.13	18.64	11.53	19.79	15.74	12.78
29	22	26.64	16.51	10.47	24.88	15.88	11.53	24.54	15.63	11.67	21.06	12.92	12.91
30	16	24.25	24.25	10.35	22.88	22.88	11.45	22.56	22.56	11.59	19.26	19.26	12.84
30	19	25.54	22.41	10.35	24.12	21.27	11.45	23.80	20.98	11.59	20.54	17.95	12.84
30	19.4	25.70	22.10	10.37	24.24	21.03	11.46	23.92	20.74	11.60	20.62	17.75	12.85
30	22	26.75	20.09	10.48	25.00	19.46	11.54	24.66	19.21	11.68	21.19	16.48	12.92

- TOT.CAP. : Total Capacity (kW)
- SENS. CAP. : Sensible Capacity (kW)
- PI : Power input (kW)
- DB : Dry Bulb Temperature (°C)
- WB : Wet Bulb Temperature (°C)
- The specification are subject to change without prior notice.

Cooling T1	Cooling T4
EVAP.: 27°C DB / 19°C WB	EVAP.: 26.6°C DB / 19.4°C WB
COND.: 35°C DB / 24°C WB	COND.: 48°C DB / 26.9°C WB
Cooling T3	
EVAP.: 29°C DB / 19°C WB	
COND.: 46°C DB / 24°C WB	

Cooling

Engineering Data – R410A Model (Cooling)

LXSRT-120S0M3C

Performance Data

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		19			25			30			35		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	35.29	26.45	10.19	33.96	25.77	10.79	33.23	25.57	11.62	31.73	24.80	12.34
21	16	35.91	23.97	10.24	34.48	23.33	10.83	33.66	23.14	11.65	32.06	22.43	12.37
21	17	36.53	21.50	10.29	34.99	20.91	10.87	34.08	20.74	11.69	32.38	20.10	12.40
24	16	36.13	29.56	10.27	34.83	28.70	10.86	34.11	28.32	11.70	32.60	27.32	12.40
24	19	39.17	23.86	10.47	37.62	23.23	11.08	36.73	23.05	11.90	35.01	22.35	12.61
24	19.4	39.60	23.72	10.50	38.04	23.10	11.11	37.14	22.93	11.94	35.40	22.24	12.65
24	22	42.44	22.83	10.71	40.75	22.29	11.33	39.80	22.17	12.16	37.96	21.53	12.88
26.6	16	36.86	32.21	10.31	35.60	31.29	10.92	34.93	30.90	11.76	33.47	29.81	12.47
26.6	19	39.27	26.93	10.48	37.72	26.30	11.09	36.84	26.16	11.91	35.11	25.65	12.62
26.6	19.4	39.70	26.43	10.51	38.14	25.81	11.12	37.25	25.68	11.94	35.50	25.15	12.66
26.6	22	42.54	23.21	10.71	40.85	22.65	11.33	39.91	22.53	12.17	38.06	21.87	12.89
27	16	37.49	34.50	10.35	36.27	33.54	10.97	35.65	33.14	11.81	34.22	31.97	12.54
27	19	39.36	29.59	10.49	37.81	28.96	11.09	36.94	28.87	11.92	35.20	28.51	12.63
27	19.4	39.79	28.78	10.52	38.23	28.16	11.13	37.35	28.06	11.95	35.59	27.67	12.67
27	22	42.63	23.54	10.72	40.94	22.97	11.34	40.00	22.84	12.18	38.15	22.17	12.89
29	16	37.72	35.23	10.38	36.49	34.21	11.00	35.75	33.66	11.84	34.32	32.45	12.57
29	19	39.49	30.30	10.50	37.96	29.62	11.10	37.11	29.49	11.93	35.39	29.03	12.65
29	19.4	39.91	29.53	10.53	38.36	28.87	11.14	37.50	28.74	11.97	35.76	28.25	12.68
29	22	42.65	24.51	10.72	40.97	23.94	11.34	40.03	23.82	12.18	38.17	23.15	12.90
30	16	38.87	38.87	10.50	37.58	37.58	11.12	36.24	36.24	11.98	34.84	34.84	12.72
30	19	40.17	33.89	10.54	38.71	32.96	11.16	37.96	32.64	12.01	36.35	31.62	12.72
30	19.4	40.52	33.29	10.56	39.03	32.40	11.18	38.25	32.11	12.03	36.61	31.14	12.75
30	22	42.77	29.41	10.74	41.10	28.79	11.36	40.16	28.71	12.20	38.30	28.03	12.91

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		40			46			48			52		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	29.50	23.49	13.40	27.46	22.46	14.83	26.97	22.07	15.04	23.81	19.47	16.21
21	16	29.75	21.26	13.42	27.64	20.34	14.85	27.14	19.98	15.05	23.88	17.51	16.22
21	17	30.01	19.07	13.45	27.83	18.28	14.87	27.30	17.93	15.07	23.94	15.57	16.24
24	16	30.37	25.74	13.47	28.41	24.44	14.91	27.94	24.01	15.12	24.83	21.22	16.30
24	19	32.53	21.20	13.67	30.29	20.33	15.10	29.80	19.94	15.30	26.56	17.36	16.48
24	19.4	32.89	21.10	13.70	30.61	20.22	15.13	30.11	19.83	15.34	26.87	17.26	16.51
24	22	35.19	20.38	13.93	32.68	19.48	15.33	32.16	19.11	15.54	28.83	16.63	16.70
26.6	16	31.28	28.08	13.55	29.37	26.61	15.00	28.89	26.17	15.21	25.81	23.31	16.40
26.6	19	32.69	24.14	13.69	30.54	23.01	15.12	30.04	22.61	15.33	26.84	19.92	16.51
26.6	19.4	33.05	23.68	13.72	30.85	22.59	15.15	30.36	22.19	15.36	27.14	19.53	16.54
26.6	22	35.35	20.74	13.95	32.92	19.87	15.35	32.40	19.50	15.56	29.08	16.97	16.73
27	16	32.06	30.10	13.62	30.19	28.49	15.08	29.72	28.04	15.29	26.65	25.11	16.48
27	19	32.83	26.68	13.70	30.75	25.34	15.14	30.26	24.92	15.35	27.09	22.14	16.53
27	19.4	33.18	25.93	13.74	31.06	24.65	15.17	30.57	24.24	15.38	27.38	21.49	16.56
27	22	35.48	21.05	13.96	33.13	20.21	15.38	32.61	19.83	15.58	29.31	17.26	16.76
29	16	32.10	30.47	13.65	30.24	28.83	15.11	29.77	28.37	15.32	26.69	25.40	16.51
29	19	33.03	27.21	13.72	30.98	25.84	15.16	30.49	25.42	15.37	27.33	22.62	16.55
29	19.4	33.36	26.52	13.75	31.27	25.22	15.19	30.78	24.80	15.40	27.60	22.03	16.58
29	22	35.51	22.01	13.97	33.16	21.17	15.38	32.65	20.78	15.59	29.34	18.21	16.76
30	16	32.32	32.32	13.81	30.50	30.50	15.27	30.02	30.02	15.48	26.88	26.88	16.66
30	19	34.04	29.87	13.81	32.15	28.35	15.27	31.67	27.91	15.48	28.56	25.03	16.66
30	19.4	34.26	29.46	13.83	32.30	28.03	15.28	31.82	27.60	15.49	28.69	24.75	16.68
30	22	35.65	26.78	13.98	33.32	25.94	15.39	32.81	25.55	15.60	29.51	22.95	16.77

- TOT.CAP. : Total Capacity (kW)
- SENS. CAP. : Sensible Capacity (kW)
- PI : Power input (kW)
- DB : Dry Bulb Temperature (°C)
- WB : Wet Bulb Temperature (°C)
- The specification are subject to change without prior notice.

Cooling T1			Cooling T4		
EVAP.: 27°C DB / 19°C WB			EVAP.: 26.6°C DB / 19.4°C WB		
COND.: 35°C DB / 24°C WB			COND.: 48°C DB / 26.9°C WB		
Cooling T3					
EVAP.: 29°C DB / 19°C WB					
COND.: 46°C DB / 24°C WB					

Cooling

Engineering Data – R410A Model (Cooling)

LXSRT-150S0M3C

Performance Data

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		19			25			30			35		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	44.10	33.06	12.71	42.45	32.20	13.45	41.52	31.95	14.49	39.66	31.00	15.38
21	16	44.87	29.96	12.77	43.09	29.15	13.51	42.06	28.91	14.53	40.06	28.03	15.42
21	17	45.65	26.87	12.83	43.73	26.13	13.56	42.60	25.92	14.58	40.47	25.12	15.46
24	16	45.15	36.94	12.81	43.52	35.86	13.54	42.62	35.40	14.59	40.74	34.14	15.46
24	19	48.95	29.81	13.06	47.01	29.03	13.82	45.90	28.80	14.84	43.75	27.93	15.73
24	19.4	49.49	29.64	13.10	47.54	28.87	13.86	46.42	28.65	14.88	44.24	27.79	15.77
24	22	53.03	28.54	13.35	50.92	27.86	14.12	49.73	27.70	15.17	47.43	26.90	16.06
26.6	16	46.06	40.25	12.86	44.49	39.11	13.62	43.66	38.62	14.66	41.83	37.25	15.55
26.6	19	49.08	33.65	13.07	47.14	32.86	13.83	46.04	32.70	14.85	43.88	32.06	15.74
26.6	19.4	49.62	33.03	13.11	47.67	32.26	13.87	46.55	32.09	14.89	44.37	31.43	15.78
26.6	22	53.16	29.01	13.36	51.05	28.31	14.14	49.87	28.15	15.18	47.56	27.33	16.07
27	16	46.85	43.12	12.91	45.33	41.91	13.68	44.55	41.42	14.72	42.77	39.95	15.63
27	19	49.19	36.97	13.08	47.26	36.19	13.83	46.16	36.07	14.86	43.99	35.63	15.75
27	19.4	49.73	35.97	13.12	47.78	35.19	13.88	46.67	35.07	14.90	44.48	34.58	15.79
27	22	53.27	29.41	13.37	51.17	28.70	14.14	49.99	28.54	15.19	47.67	27.71	16.08
29	16	47.14	44.03	12.94	45.60	42.76	13.71	44.68	42.06	14.76	42.90	40.55	15.67
29	19	49.36	37.87	13.09	47.44	37.02	13.85	46.37	36.86	14.88	44.23	36.28	15.77
29	19.4	49.88	36.91	13.13	47.94	36.07	13.89	46.86	35.91	14.92	44.69	35.30	15.81
29	22	53.30	30.64	13.37	51.20	29.92	14.15	50.02	29.77	15.19	47.71	28.93	16.08
30	16	48.58	48.58	13.10	46.97	46.97	13.87	45.29	45.29	14.94	43.54	43.54	15.87
30	19	50.20	42.35	13.14	48.38	41.19	13.91	47.43	40.79	14.98	45.42	39.52	15.87
30	19.4	50.63	41.60	13.17	48.78	40.50	13.95	47.80	40.13	15.01	45.75	38.92	15.90
30	22	53.45	36.75	13.39	51.36	35.98	14.16	50.18	35.88	15.21	47.87	35.03	16.10

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		40			46			48			52		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	36.86	29.36	16.70	34.31	28.07	18.49	33.83	27.68	18.70	30.67	25.08	19.87
21	16	37.18	26.56	16.74	34.55	25.42	18.52	34.04	25.06	18.72	30.78	22.59	19.89
21	17	37.51	23.83	16.77	34.78	22.84	18.54	34.25	22.50	18.75	30.89	20.14	19.91
24	16	37.96	32.16	16.79	35.51	30.54	18.59	35.03	30.12	18.80	31.93	27.32	19.98
24	19	40.66	26.50	17.05	37.86	25.41	18.83	37.36	25.02	19.03	34.13	22.44	20.21
24	19.4	41.10	26.36	17.09	38.26	25.26	18.87	37.75	24.88	19.07	34.51	22.31	20.25
24	22	43.97	25.47	17.38	40.84	24.35	19.12	40.32	23.98	19.32	36.99	21.50	20.49
26.6	16	39.09	35.09	16.90	36.70	33.25	18.71	36.23	32.82	18.92	33.14	29.95	20.10
26.6	19	40.86	30.16	17.07	38.16	28.76	18.86	37.67	28.36	19.07	34.47	25.67	20.24
26.6	19.4	41.30	29.60	17.11	38.56	28.24	18.90	38.06	27.84	19.10	34.85	25.17	20.28
26.6	22	44.17	25.92	17.40	41.14	24.84	19.15	40.62	24.46	19.35	37.30	21.93	20.53
27	16	40.06	37.62	16.99	37.73	35.61	18.81	37.26	35.16	19.02	34.19	32.23	20.20
27	19	41.03	33.34	17.09	38.42	31.67	18.88	37.93	31.25	19.09	34.76	28.47	20.27
27	19.4	41.47	32.40	17.13	38.82	30.81	18.92	38.33	30.40	19.13	35.14	27.65	20.31
27	22	44.34	26.31	17.41	41.40	25.26	19.17	40.89	24.88	19.38	37.58	22.31	20.56
29	16	40.12	38.08	17.03	37.80	36.03	18.85	37.32	35.57	19.06	34.24	32.60	20.24
29	19	41.28	34.00	17.11	38.72	32.29	18.91	38.23	31.87	19.12	35.07	29.08	20.30
29	19.4	41.69	33.14	17.15	39.08	31.51	18.95	38.59	31.10	19.15	35.41	28.33	20.34
29	22	44.38	27.50	17.42	41.44	26.45	19.18	40.93	26.07	19.39	37.62	23.50	20.56
30	16	40.39	40.39	17.22	38.12	38.12	19.04	37.63	37.63	19.25	34.49	34.49	20.44
30	19	42.54	37.33	17.22	40.18	35.43	19.04	39.70	34.99	19.25	36.59	32.11	20.44
30	19.4	42.81	36.81	17.25	40.37	35.03	19.06	39.89	34.60	19.27	36.76	31.75	20.45
30	22	44.55	33.47	17.43	41.64	32.42	19.19	41.13	32.03	19.40	37.83	29.43	20.58

- TOT.CAP. : Total Capacity (kW)
- SENS. CAP. : Sensible Capacity (kW)
- PI : Power input (kW)
- DB : Dry Bulb Temperature (°C)
- WB : Wet Bulb Temperature (°C)
- The specification are subject to change without prior notice.

Cooling T1		Cooling T4	
EVAP.: 27°C DB / 19°C WB	COND.: 35°C DB / 24°C WB	EVAP.: 26.6°C DB / 19.4°C WB	COND.: 48°C DB / 26.9°C WB
Cooling T3			
EVAP.: 29°C DB / 19°C WB	COND.: 46°C DB / 24°C WB		

Cooling

Engineering Data – R410A Model (Cooling)

LXSRT-180S0M3C

Performance Data

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		19			25			30			35		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	52.95	39.69	15.30	50.97	38.66	16.19	49.86	38.36	17.43	47.62	37.22	18.51
21	16	53.88	35.97	15.36	51.74	35.01	16.25	50.50	34.72	17.48	48.11	33.65	18.55
21	17	54.82	32.26	15.43	52.51	31.38	16.31	51.15	31.12	17.54	48.60	30.16	18.60
24	16	54.21	44.36	15.41	52.26	43.06	16.30	51.18	42.50	17.55	48.92	41.00	18.60
24	19	58.77	35.80	15.71	56.45	34.85	16.62	55.12	34.58	17.86	52.53	33.54	18.93
24	19.4	59.42	35.59	15.76	57.08	34.67	16.67	55.73	34.41	17.91	53.12	33.37	18.98
24	22	63.68	34.26	16.06	61.15	33.45	16.99	59.72	33.26	18.25	56.95	32.30	19.32
26.6	16	55.31	48.33	15.47	53.42	46.96	16.38	52.42	46.37	17.64	50.22	44.73	18.71
26.6	19	58.93	40.41	15.73	56.61	39.46	16.63	55.28	39.26	17.87	52.69	38.49	18.94
26.6	19.4	59.58	39.66	15.77	57.23	38.73	16.68	55.90	38.53	17.92	53.28	37.74	18.99
26.6	22	63.83	34.83	16.08	61.30	33.99	17.01	59.88	33.80	18.26	57.11	32.82	19.33
27	16	56.26	51.78	15.53	54.42	50.33	16.46	53.50	49.73	17.72	51.35	47.97	18.81
27	19	59.06	44.40	15.74	56.74	43.45	16.65	55.43	43.31	17.88	52.82	42.78	18.95
27	19.4	59.71	43.19	15.78	57.37	42.25	16.69	56.04	42.11	17.93	53.41	41.52	19.00
27	22	63.97	35.32	16.09	61.44	34.47	17.02	60.03	34.27	18.27	57.24	33.27	19.35
29	16	56.60	52.87	15.57	54.75	51.34	16.50	53.64	50.50	17.76	51.51	48.69	18.86
29	19	59.26	45.47	15.75	56.97	44.45	16.66	55.68	44.26	17.90	53.11	43.56	18.97
29	19.4	59.90	44.31	15.79	57.57	43.31	16.71	56.27	43.12	17.95	53.66	42.38	19.02
29	22	64.00	36.78	16.09	61.48	35.92	17.02	60.06	35.74	18.28	57.28	34.73	19.35
30	16	58.33	58.33	15.76	56.39	56.39	16.69	54.38	54.38	17.97	52.28	52.28	19.09
30	19	60.28	50.85	15.81	58.09	49.46	16.74	56.95	48.98	18.02	54.54	47.45	19.09
30	19.4	60.80	49.95	15.85	58.57	48.62	16.78	57.39	48.19	18.06	54.93	46.73	19.13
30	22	64.18	44.13	16.11	61.67	43.20	17.04	60.26	43.08	18.30	57.48	42.06	19.37

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		40			46			48			52		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	44.26	35.25	20.10	41.20	33.70	22.25	40.55	33.18	22.52	37.56	30.71	23.63
21	16	44.65	31.90	20.14	41.48	30.53	22.28	40.81	30.04	22.55	37.71	27.70	23.65
21	17	45.03	28.62	20.18	41.76	27.43	22.31	41.06	26.97	22.58	37.87	24.72	23.68
24	16	45.58	38.62	20.21	42.64	36.67	22.37	42.00	36.11	22.65	39.06	33.45	23.76
24	19	48.82	31.82	20.51	45.46	30.51	22.65	44.79	29.99	22.93	41.73	27.53	24.03
24	19.4	49.35	31.65	20.56	45.94	30.34	22.70	45.27	29.83	22.97	42.19	27.38	24.08
24	22	52.80	30.58	20.91	49.03	29.23	23.00	48.34	28.74	23.28	45.18	26.38	24.37
26.6	16	46.93	42.13	20.33	44.07	39.93	22.51	43.44	39.35	22.79	40.51	36.62	23.90
26.6	19	49.06	36.22	20.53	45.82	34.53	22.69	45.16	33.99	22.97	42.13	31.44	24.07
26.6	19.4	49.59	35.54	20.59	46.30	33.90	22.74	45.64	33.37	23.01	42.59	30.84	24.12
26.6	22	53.04	31.12	20.93	49.40	29.82	23.04	48.71	29.32	23.31	45.56	26.92	24.42
27	16	48.11	45.17	20.44	45.30	42.75	22.63	44.68	42.16	22.91	41.77	39.37	24.02
27	19	49.27	40.03	20.56	46.14	38.02	22.72	45.48	37.46	23.00	42.48	34.82	24.11
27	19.4	49.80	38.90	20.61	46.61	37.00	22.77	45.96	36.44	23.05	42.93	33.83	24.16
27	22	53.25	31.59	20.95	49.71	30.33	23.07	49.03	29.82	23.35	45.89	27.38	24.45
29	16	48.17	45.72	20.49	45.38	43.26	22.67	44.75	42.65	22.95	41.83	39.83	24.07
29	19	49.57	40.83	20.58	46.49	38.77	22.75	45.84	38.21	23.03	42.84	35.56	24.14
29	19.4	50.06	39.79	20.63	46.92	37.84	22.80	46.27	37.28	23.07	43.25	34.66	24.18
29	22	53.29	33.02	20.96	49.76	31.76	23.07	49.07	31.25	23.35	45.94	28.81	24.46
30	16	48.49	48.49	20.72	45.77	45.77	22.91	45.12	45.12	23.19	42.14	42.14	24.30
30	19	51.08	44.82	20.72	48.24	42.54	22.91	47.60	41.96	23.19	44.66	39.22	24.30
30	19.4	51.40	44.20	20.75	48.48	42.06	22.93	47.83	41.48	23.21	44.86	38.78	24.33
30	22	53.50	40.18	20.98	50.00	38.93	23.09	49.32	38.41	23.37	46.19	35.94	24.48

- TOT.CAP. : Total Capacity (kW)
- SENS. CAP. : Sensible Capacity (kW)
- PI : Power input (kW)
- DB : Dry Bulb Temperature (°C)
- WB : Wet Bulb Temperature (°C)
- The specification are subject to change without prior notice.

Cooling T1		Cooling T4	
EVAP.: 27°C DB / 19°C WB	COND.: 35°C DB / 24°C WB		EVAP.: 26.6°C DB / 19.4°C WB
COND.: 48°C DB / 26.9°C WB			
Cooling T3			
EVAP.: 29°C DB / 19°C WB		COND.: 46°C DB / 24°C WB	

Cooling

Engineering Data – R410A Model (Cooling)

LXSRT-240S0M3C

Performance Data

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		19			25			30			35		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	70.49	52.84	20.34	67.85	51.47	21.53	66.38	51.07	23.18	63.39	49.55	24.61
21	16	71.73	47.89	20.43	68.88	46.60	21.61	67.23	46.22	23.25	64.04	44.81	24.67
21	17	72.98	42.95	20.53	69.91	41.78	21.69	68.09	41.43	23.32	64.70	40.15	24.74
24	16	72.17	59.05	20.49	69.57	57.33	21.67	68.13	56.59	23.34	65.12	54.58	24.74
24	19	78.24	47.66	20.90	75.16	46.40	22.10	73.38	46.04	23.74	69.93	44.65	25.17
24	19.4	79.11	47.39	20.96	75.99	46.15	22.17	74.20	45.81	23.82	70.72	44.43	25.24
24	22	84.77	45.62	21.36	81.41	44.53	22.60	79.50	44.28	24.27	75.82	43.01	25.70
26.6	16	73.63	64.35	20.58	71.12	62.51	21.79	69.79	61.74	23.46	66.86	59.55	24.88
26.6	19	78.45	53.79	20.91	75.36	52.53	22.12	73.60	52.27	23.76	70.14	51.24	25.19
26.6	19.4	79.32	52.80	20.98	76.20	51.56	22.19	74.42	51.30	23.83	70.93	50.24	25.26
26.6	22	84.98	46.37	21.38	81.61	45.26	22.62	79.72	45.00	24.29	76.03	43.69	25.71
27	16	74.90	68.93	20.65	72.45	67.00	21.89	71.22	66.20	23.56	68.37	63.86	25.01
27	19	78.63	59.11	20.93	75.54	57.85	22.14	73.79	57.67	23.78	70.32	56.96	25.20
27	19.4	79.50	57.49	20.99	76.37	56.25	22.20	74.61	56.06	23.85	71.11	55.27	25.27
27	22	85.16	47.02	21.39	81.79	45.89	22.63	79.91	45.63	24.30	76.21	44.29	25.73
29	16	75.36	70.38	20.70	72.89	68.35	21.94	71.42	67.24	23.62	68.57	64.82	25.08
29	19	78.90	60.54	20.94	75.84	59.18	22.16	74.13	58.92	23.81	70.70	57.99	25.23
29	19.4	79.74	59.00	21.00	76.64	57.66	22.22	74.91	57.41	23.87	71.44	56.43	25.30
29	22	85.21	48.97	21.40	81.84	47.82	22.64	79.97	47.58	24.31	76.26	46.24	25.73
30	16	77.65	77.65	20.96	75.08	75.08	22.20	72.40	72.40	23.90	69.60	69.60	25.39
30	19	80.25	67.70	21.02	77.34	65.84	22.26	75.82	65.20	23.96	72.61	63.17	25.39
30	19.4	80.94	66.50	21.07	77.98	64.73	22.31	76.41	64.16	24.01	73.13	62.21	25.44
30	22	85.44	58.75	21.42	82.10	57.51	22.66	80.22	57.36	24.33	76.52	55.99	25.76

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		40			46			48			52		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	58.93	46.93	26.73	54.85	44.87	29.59	53.88	44.09	30.00	51.21	41.88	30.97
21	16	59.44	42.46	26.78	55.22	40.64	29.63	54.21	39.91	30.04	51.45	37.81	31.00
21	17	59.95	38.10	26.83	55.59	36.52	29.67	54.54	35.83	30.08	51.70	33.81	31.03
24	16	60.67	51.42	26.87	56.77	48.82	29.75	55.81	47.97	30.17	53.18	45.60	31.14
24	19	65.00	42.36	27.27	60.52	40.61	30.12	59.52	39.84	30.54	56.79	37.64	31.50
24	19.4	65.70	42.14	27.34	61.15	40.39	30.18	60.15	39.62	30.60	57.41	37.43	31.57
24	22	70.29	40.72	27.80	65.28	38.92	30.59	64.24	38.18	31.00	61.43	36.07	31.96
26.6	16	62.48	56.09	27.04	58.67	53.16	29.93	57.72	52.29	30.35	55.11	49.85	31.33
26.6	19	65.31	48.22	27.31	61.00	45.97	30.17	60.02	45.17	30.59	57.31	42.88	31.56
26.6	19.4	66.02	47.31	27.38	61.64	45.14	30.23	60.64	44.34	30.65	57.93	42.07	31.62
26.6	22	70.61	41.43	27.83	65.76	39.70	30.64	64.73	38.95	31.05	61.93	36.80	32.01
27	16	64.04	60.13	27.18	60.31	56.92	30.09	59.37	56.03	30.51	56.78	53.54	31.49
27	19	65.59	53.29	27.34	61.42	50.62	30.22	60.44	49.78	30.63	57.76	47.42	31.60
27	19.4	66.29	51.79	27.41	62.06	49.25	30.28	61.07	48.42	30.69	58.38	46.09	31.67
27	22	70.89	42.05	27.86	66.18	40.38	30.68	65.15	39.62	31.09	62.36	37.43	32.06
29	16	64.13	60.87	27.24	60.42	57.59	30.15	59.47	56.68	30.57	56.86	54.17	31.55
29	19	65.99	54.36	27.37	61.89	51.62	30.26	60.91	50.78	30.67	58.24	48.40	31.65
29	19.4	66.65	52.97	27.44	62.47	50.38	30.31	61.49	49.54	30.73	58.80	47.19	31.70
29	22	70.94	43.96	27.87	66.24	42.29	30.68	65.22	41.52	31.10	62.43	39.33	32.07
30	16	64.56	64.56	27.55	60.93	60.93	30.46	59.96	59.96	30.88	57.31	57.31	31.86
30	19	68.01	59.67	27.55	64.22	56.64	30.46	63.27	55.76	30.88	60.64	53.31	31.86
30	19.4	68.43	58.85	27.60	64.54	56.00	30.50	63.57	55.13	30.91	60.92	52.72	31.89
30	22	71.22	53.50	27.89	66.56	51.83	30.71	65.54	51.05	31.13	62.76	48.84	32.09

- TOT.CAP. : Total Capacity (kW)
- SENS. CAP. : Sensible Capacity (kW)
- PI : Power input (kW)
- DB : Dry Bulb Temperature (°C)
- WB : Wet Bulb Temperature (°C)
- The specification are subject to change without prior notice.

Cooling T1		Cooling T4
EVAP.: 27°C DB / 19°C WB	EVAP.: 26.6°C DB / 19.4°C WB	
COND.: 35°C DB / 24°C WB	COND.: 48°C DB / 26.9°C WB	
Cooling T3		
EVAP.: 29°C DB / 19°C WB		
COND.: 46°C DB / 24°C WB		

Cooling

Engineering Data – R410A Model (Cooling)

LXSRT-300S0M3C

Performance Data

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		19			25			30			35		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	88.20	66.12	25.56	84.90	64.41	27.05	83.06	63.91	29.13	79.32	62.00	30.93
21	16	89.76	59.92	25.68	86.19	58.31	27.16	84.13	57.83	29.22	80.14	56.06	31.01
21	17	91.32	53.75	25.80	87.48	52.28	27.26	85.20	51.84	29.31	80.95	50.24	31.09
24	16	90.31	73.89	25.76	87.06	71.74	27.23	85.25	70.80	29.34	81.49	68.29	31.09
24	19	97.90	59.64	26.26	94.04	58.06	27.78	91.82	57.61	29.84	87.51	55.87	31.63
24	19.4	98.99	59.30	26.34	95.08	57.75	27.86	92.84	57.32	29.93	88.49	55.60	31.72
24	22	106.08	57.08	26.85	101.86	55.72	28.40	99.48	55.41	30.50	94.88	53.81	32.29
26.6	16	92.13	80.51	25.86	88.99	78.22	27.38	87.32	77.25	29.48	83.66	74.52	31.27
26.6	19	98.16	67.31	26.28	94.30	65.73	27.80	92.10	65.40	29.86	87.77	64.12	31.65
26.6	19.4	99.25	66.07	26.36	95.34	64.52	27.88	93.12	64.19	29.95	88.75	62.86	31.74
26.6	22	106.34	58.02	26.87	102.12	56.63	28.42	99.76	56.31	30.52	95.14	54.67	32.31
27	16	93.72	86.25	25.95	90.66	83.84	27.51	89.12	82.84	29.61	85.54	79.91	31.44
27	19	98.39	73.96	26.30	94.52	72.38	27.82	92.33	72.16	29.88	87.99	71.27	31.67
27	19.4	99.48	71.94	26.38	95.57	70.39	27.90	93.36	70.15	29.97	88.97	69.16	31.76
27	22	106.56	58.83	26.88	102.34	57.42	28.44	99.99	57.09	30.54	95.36	55.42	32.33
29	16	94.29	88.07	26.02	91.21	85.52	27.57	89.36	84.13	29.68	85.80	81.11	31.51
29	19	98.72	75.75	26.32	94.90	74.05	27.84	92.76	73.73	29.92	88.47	72.57	31.71
29	19.4	99.78	73.82	26.40	95.90	72.15	27.92	93.73	71.84	30.00	89.39	70.61	31.79
29	22	106.62	61.28	26.89	102.41	59.84	28.45	100.06	59.54	30.55	95.42	57.86	32.34
30	16	97.16	97.16	26.34	93.94	93.94	27.90	90.60	90.60	30.04	87.09	87.09	31.90
30	19	100.41	84.71	26.42	96.78	82.39	27.97	94.88	81.59	30.11	90.85	79.04	31.90
30	19.4	101.28	83.21	26.49	97.57	81.00	28.04	95.61	80.28	30.18	91.51	77.85	31.97
30	22	106.91	73.51	26.92	102.73	71.96	28.48	100.38	71.77	30.58	95.75	70.06	32.37

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		40			46			48			52		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	73.73	58.72	33.59	68.64	56.14	37.18	67.66	55.36	37.60	64.99	53.15	38.56
21	16	74.38	53.14	33.65	69.10	50.85	37.23	68.09	50.12	37.65	65.33	48.02	38.61
21	17	75.02	47.67	33.72	69.56	45.69	37.29	68.51	45.00	37.70	65.67	42.99	38.65
24	16	75.92	64.34	33.77	71.03	61.08	37.39	70.07	60.24	37.81	67.45	57.87	38.78
24	19	81.33	53.01	34.28	75.73	50.82	37.86	74.73	50.05	38.27	72.00	47.85	39.24
24	19.4	82.21	52.73	34.36	76.52	50.54	37.93	75.52	49.77	38.35	72.77	47.58	39.31
24	22	87.96	50.95	34.94	81.68	48.70	38.44	80.65	47.96	38.85	77.83	45.85	39.81
26.6	16	78.18	70.18	33.98	73.41	66.52	37.62	72.46	65.64	38.04	69.85	63.21	39.01
26.6	19	81.72	60.33	34.32	76.33	57.52	37.92	75.34	56.72	38.33	72.64	54.43	39.30
26.6	19.4	82.61	59.20	34.41	77.13	56.48	38.00	76.13	55.68	38.41	73.41	53.41	39.38
26.6	22	88.35	51.84	34.98	82.29	49.68	38.50	81.26	48.93	38.92	78.45	46.77	39.88
27	16	80.14	75.25	34.16	75.47	71.22	37.82	74.53	70.33	38.24	71.93	67.84	39.21
27	19	82.07	66.68	34.35	76.85	63.34	37.97	75.88	62.50	38.39	73.20	60.14	39.36
27	19.4	82.95	64.81	34.44	77.65	61.63	38.05	76.66	60.80	38.47	73.97	58.47	39.44
27	22	88.70	52.62	35.02	82.81	50.53	38.56	81.78	49.76	38.97	78.99	47.58	39.94
29	16	80.24	76.17	34.24	75.60	72.06	37.90	74.65	71.15	38.31	72.05	68.64	39.29
29	19	82.57	68.01	34.40	77.44	64.59	38.02	76.47	63.75	38.44	73.79	61.37	39.42
29	19.4	83.40	66.28	34.48	78.17	63.04	38.10	77.19	62.20	38.51	74.50	59.85	39.49
29	22	88.77	55.01	35.02	82.89	52.92	38.56	81.86	52.15	38.98	79.07	49.96	39.94
30	16	80.78	80.78	34.63	76.24	76.24	38.28	75.28	75.28	38.70	72.62	72.62	39.68
30	19	85.09	74.67	34.63	80.36	70.87	38.28	79.41	69.99	38.70	76.78	67.54	39.68
30	19.4	85.63	73.64	34.68	80.75	70.07	38.33	79.79	69.20	38.74	77.14	66.79	39.72
30	22	89.12	66.94	35.05	83.29	64.85	38.60	82.27	64.07	39.01	79.48	61.86	39.98

- TOT.CAP. : Total Capacity (kW)
- SENS. CAP. : Sensible Capacity (kW)
- PI : Power input (kW)
- DB : Dry Bulb Temperature (°C)
- WB : Wet Bulb Temperature (°C)
- The specification are subject to change without prior notice.

Cooling T1		Cooling T4	
EVAP.: 27°C DB / 19°C WB	COND.: 35°C DB / 24°C WB	EVAP.: 26.6°C DB / 19.4°C WB	COND.: 48°C DB / 26.9°C WB
Cooling T3			
EVAP.: 29°C DB / 19°C WB	COND.: 46°C DB / 24°C WB		

Cooling

Engineering Data – R410A Model (Cooling)

LXSRT-360S0M3C

Performance Data

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		19			25			30			35		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	105.81	79.31	30.57	101.84	77.26	32.35	99.63	76.66	34.83	95.15	74.37	36.99
21	16	107.67	71.88	30.71	103.39	69.95	32.47	100.92	69.38	34.94	96.13	67.25	37.08
21	17	109.54	64.47	30.84	104.93	62.71	32.60	102.20	62.19	35.05	97.11	60.27	37.17
24	16	108.33	88.64	30.80	104.43	86.05	32.57	102.27	84.93	35.08	97.75	81.92	37.17
24	19	117.44	71.54	31.40	112.81	69.65	33.22	110.14	69.11	35.68	104.97	67.02	37.82
24	19.4	118.75	71.13	31.50	114.06	69.27	33.32	111.37	68.75	35.79	106.15	66.69	37.93
24	22	127.25	68.47	32.10	122.19	66.84	33.96	119.33	66.46	36.47	113.81	64.55	38.61
26.6	16	110.52	96.58	30.92	106.75	93.83	32.74	104.75	92.67	35.25	100.36	89.39	37.40
26.6	19	117.75	80.74	31.43	113.12	78.85	33.24	110.48	78.45	35.71	105.28	76.92	37.85
26.6	19.4	119.06	79.26	31.52	114.37	77.39	33.34	111.70	77.00	35.81	106.46	75.41	37.95
26.6	22	127.56	69.60	32.13	122.50	67.93	33.99	119.66	67.55	36.50	114.12	65.58	38.64
27	16	112.42	103.47	31.03	108.75	100.57	32.89	106.90	99.37	35.40	102.62	95.86	37.59
27	19	118.02	88.72	31.45	113.39	86.83	33.26	110.76	86.56	35.73	105.55	85.50	37.87
27	19.4	119.33	86.30	31.54	114.64	84.43	33.36	111.99	84.15	35.84	106.73	82.96	37.98
27	22	127.83	70.57	32.15	122.77	68.87	34.01	119.95	68.49	36.52	114.39	66.48	38.66
29	16	113.11	105.65	31.11	109.41	102.59	32.97	107.20	100.92	35.49	102.92	97.29	37.68
29	19	118.43	90.87	31.47	113.84	88.83	33.30	111.27	88.44	35.78	106.12	87.05	37.92
29	19.4	119.69	88.55	31.56	115.04	86.55	33.39	112.44	86.17	35.88	107.24	84.70	38.02
29	22	127.90	73.51	32.16	122.85	71.78	34.02	120.03	71.42	36.53	114.47	69.41	38.67
30	16	116.55	116.55	31.50	112.69	112.69	33.36	108.68	108.68	35.92	104.47	104.47	38.15
30	19	120.45	101.61	31.59	116.09	98.83	33.45	113.81	97.87	36.01	108.99	94.82	38.15
30	19.4	121.49	99.82	31.67	117.04	97.16	33.53	114.69	96.30	36.08	109.77	93.38	38.22
30	22	128.25	88.18	32.19	123.23	86.32	34.06	120.41	86.09	36.57	114.85	84.05	38.71

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		40			46			48			52		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	88.45	70.44	40.17	82.33	67.34	44.46	81.12	66.37	44.98	78.69	64.35	45.84
21	16	89.22	63.74	40.24	82.89	61.00	44.52	81.63	60.09	45.04	79.12	58.17	45.90
21	17	89.99	57.18	40.32	83.44	54.81	44.58	82.13	53.95	45.10	79.55	52.10	45.95
24	16	91.07	77.17	40.38	85.20	73.28	44.71	84.01	72.22	45.23	81.62	70.06	46.10
24	19	97.56	63.58	40.99	90.84	60.96	45.27	89.59	60.00	45.79	87.11	57.99	46.65
24	19.4	98.62	63.26	41.09	91.79	60.62	45.36	90.54	59.66	45.88	88.05	57.67	46.74
24	22	105.51	61.12	41.78	97.98	58.42	45.97	96.69	57.50	46.48	94.13	55.56	47.34
26.6	16	93.78	84.19	40.63	88.06	79.79	44.98	86.87	78.70	45.51	84.50	76.49	46.38
26.6	19	98.03	72.37	41.04	91.56	69.00	45.34	90.33	68.00	45.86	87.87	65.91	46.73
26.6	19.4	99.09	71.02	41.14	92.52	67.75	45.44	91.28	66.75	45.95	88.81	64.68	46.82
26.6	22	105.99	62.19	41.83	98.71	59.59	46.04	97.42	58.65	46.56	94.87	56.69	47.42
27	16	96.13	90.26	40.85	90.53	85.44	45.22	89.36	84.32	45.74	86.99	82.05	46.62
27	19	98.45	79.99	41.08	92.19	75.98	45.41	90.97	74.93	45.93	88.53	72.78	46.80
27	19.4	99.51	77.74	41.19	93.14	73.93	45.50	91.91	72.89	46.02	89.46	70.76	46.89
27	22	106.40	63.12	41.87	99.33	60.61	46.10	98.05	59.65	46.62	95.52	57.66	47.49
29	16	96.26	91.37	40.94	90.69	86.44	45.31	89.50	85.31	45.84	87.13	83.02	46.71
29	19	99.05	81.59	41.13	92.89	77.48	45.47	91.68	76.43	45.99	89.25	74.27	46.86
29	19.4	100.04	79.51	41.23	93.77	75.62	45.55	92.54	74.57	46.08	90.10	72.43	46.94
29	22	106.48	65.98	41.88	99.43	63.48	46.11	98.15	62.52	46.63	95.61	60.52	47.49
30	16	96.90	96.90	41.41	91.46	91.46	45.78	90.25	90.25	46.30	87.83	87.83	47.18
30	19	102.08	89.57	41.41	96.40	85.01	45.78	95.21	83.92	46.30	92.81	81.69	47.18
30	19.4	102.72	88.33	41.47	96.87	84.05	45.83	95.66	82.97	46.35	93.25	80.77	47.22
30	22	106.90	80.30	41.92	99.91	77.79	46.15	98.64	76.82	46.67	96.11	74.80	47.53

- TOT.CAP. : Total Capacity (kW)
- SENS. CAP. : Sensible Capacity (kW)
- PI : Power input (kW)
- DB : Dry Bulb Temperature (°C)
- WB : Wet Bulb Temperature (°C)
- The specification are subject to change without prior notice.

Cooling T1		Cooling T4	
EVAP.: 27°C DB / 19°C WB	COND.: 35°C DB / 24°C WB	EVAP.: 26.6°C DB / 19.4°C WB	COND.: 48°C DB / 26.9°C WB
Cooling T3			
EVAP.: 29°C DB / 19°C WB	COND.: 46°C DB / 24°C WB		

Cooling

Engineering Data – R410A Model (Cooling)

LXSRT-400S0M3C

Performance Data

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		19			25			30			35		
		DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.
21	15	117.26	87.89	33.84	112.86	85.62	35.82	110.41	84.96	38.56	105.45	82.42	40.95
21	16	119.32	79.66	34.00	114.57	77.52	35.95	111.84	76.88	38.68	106.53	74.53	41.05
21	17	121.39	71.45	34.15	116.29	69.49	36.09	113.26	68.91	38.80	107.61	66.79	41.16
24	16	120.05	98.23	34.10	115.73	95.36	36.06	113.33	94.12	38.84	108.33	90.79	41.16
24	19	130.15	79.28	34.77	125.01	77.18	36.78	122.06	76.58	39.51	116.33	74.27	41.88
24	19.4	131.60	78.82	34.87	126.40	76.77	36.89	123.42	76.19	39.63	117.63	73.91	42.00
24	22	141.01	75.88	35.54	135.41	74.07	37.60	132.24	73.66	40.38	126.13	71.53	42.75
26.6	16	122.48	107.03	34.24	118.30	103.98	36.25	116.08	102.70	39.03	111.22	99.06	41.41
26.6	19	130.49	89.48	34.80	125.36	87.38	36.81	122.43	86.94	39.54	116.67	85.24	41.91
26.6	19.4	131.94	87.83	34.90	126.74	85.77	36.92	123.79	85.33	39.65	117.98	83.57	42.02
26.6	22	141.36	77.13	35.57	135.75	75.28	37.63	132.61	74.86	40.41	126.47	72.68	42.78
27	16	124.59	114.66	34.36	120.52	111.45	36.42	118.47	110.12	39.20	113.72	106.23	41.62
27	19	130.79	98.32	34.82	125.66	96.22	36.83	122.75	95.92	39.56	116.97	94.75	41.93
27	19.4	132.24	95.64	34.92	127.04	93.57	36.94	124.10	93.25	39.68	118.28	91.94	42.05
27	22	141.66	78.21	35.59	136.05	76.33	37.65	132.93	75.90	40.44	126.77	73.67	42.81
29	16	125.35	117.08	34.44	121.25	113.69	36.50	118.80	111.84	39.29	114.06	107.82	41.72
29	19	131.24	100.70	34.85	126.15	98.44	36.86	123.31	98.01	39.61	117.60	96.47	41.98
29	19.4	132.64	98.13	34.95	127.49	95.92	36.97	124.60	95.50	39.72	118.84	93.86	42.09
29	22	141.73	81.46	35.60	136.14	79.55	37.66	133.01	79.15	40.44	126.85	76.92	42.81
30	16	129.16	129.16	34.87	124.88	124.88	36.93	120.44	120.44	39.77	115.77	115.77	42.24
30	19	133.48	112.61	34.98	128.65	109.53	37.04	126.13	108.46	39.87	120.78	105.08	42.24
30	19.4	134.64	110.62	35.07	129.71	107.68	37.13	127.10	106.72	39.95	121.64	103.48	42.32
30	22	142.13	97.72	35.65	136.56	95.66	37.71	133.44	95.41	40.49	127.28	93.14	42.86

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		40			46			48			52		
		DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.
21	15	98.02	78.06	44.47	91.24	74.63	49.23	89.78	73.46	49.85	87.60	71.64	50.61
21	16	98.87	70.64	44.56	91.86	67.60	49.30	90.34	66.50	49.91	88.09	64.77	50.67
21	17	99.73	63.37	44.64	92.47	60.74	49.36	90.90	59.70	49.98	88.58	58.03	50.73
24	16	100.93	85.52	44.71	94.42	81.20	49.50	92.99	79.94	50.13	90.84	77.99	50.89
24	19	108.11	70.46	45.38	100.67	67.56	50.12	99.17	66.40	50.74	96.94	64.58	51.50
24	19.4	109.29	70.10	45.50	101.72	67.18	50.22	100.22	66.03	50.84	97.98	64.22	51.60
24	22	116.93	67.73	46.26	108.58	64.74	50.89	107.03	63.63	51.51	104.73	61.89	52.27
26.6	16	103.93	93.29	44.99	97.59	88.42	49.81	96.16	87.12	50.43	94.03	85.12	51.20
26.6	19	108.64	80.21	45.44	101.47	76.47	50.20	99.99	75.26	50.83	97.78	73.38	51.59
26.6	19.4	109.82	78.70	45.55	102.53	75.08	50.31	101.04	73.88	50.93	98.82	72.01	51.69
26.6	22	117.45	68.92	46.31	109.39	66.04	50.98	107.84	64.91	51.60	105.55	63.13	52.35
27	16	106.53	100.03	45.23	100.33	94.68	50.07	98.92	93.34	50.70	96.79	91.30	51.47
27	19	109.10	88.65	45.48	102.17	84.20	50.27	100.70	82.94	50.90	98.51	81.00	51.66
27	19.4	110.27	86.15	45.60	103.22	81.93	50.38	101.75	80.68	51.00	99.54	78.76	51.77
27	22	117.91	69.95	46.36	110.08	67.17	51.05	108.54	66.02	51.67	106.26	64.22	52.43
29	16	106.67	101.25	45.33	100.50	95.79	50.17	99.08	94.43	50.80	96.95	92.37	51.57
29	19	109.77	90.42	45.54	102.94	85.87	50.34	101.48	84.60	50.97	99.30	82.65	51.73
29	19.4	110.87	88.11	45.65	103.91	83.80	50.44	102.44	82.54	51.06	100.24	80.61	51.83
29	22	118.00	73.12	46.37	110.19	70.34	51.06	108.65	69.19	51.68	106.37	67.38	52.44
30	16	107.39	107.39	45.84	101.35	101.35	50.69	99.90	99.90	51.32	97.73	97.73	52.08
30	19	113.12	99.26	45.84	106.83	94.21	50.69	105.40	92.89	51.32	103.24	90.89	52.08
30	19.4	113.83	97.89	45.92	107.35	93.14	50.74	105.90	91.85	51.37	103.73	89.86	52.14
30	22	118.47	88.99	46.41	110.72	86.21	51.10	109.19	85.04	51.72	106.92	83.22	52.48

- TOT.CAP. : Total Capacity (kW)
- SENS. CAP. : Sensible Capacity (kW)
- PI : Power input (kW)
- DB : Dry Bulb Temperature (°C)
- WB : Wet Bulb Temperature (°C)
- The specification are subject to change without prior notice.

Cooling T1	Cooling T4
EVAP.: 27°C DB / 19°C WB	EVAP.: 26.6°C DB / 19.4°C WB
COND.: 35°C DB / 24°C WB	COND.: 48°C DB / 26.9°C WB
Cooling T3	
EVAP.: 29°C DB / 19°C WB	
COND.: 46°C DB / 24°C WB	

Cooling

Engineering Data – R410A Model (Cooling)

LXSRT-420S0M3C

Performance Data

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		19			25			30			35		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	123.81	92.81	35.76	119.17	90.40	37.85	116.58	89.71	40.75	111.34	87.03	43.28
21	16	125.99	84.11	35.93	120.98	81.86	38.00	118.09	81.18	40.88	112.49	78.70	43.38
21	17	128.18	75.45	36.09	122.79	73.38	38.14	119.59	72.77	41.01	113.63	70.52	43.49
24	16	126.76	103.72	36.04	122.20	100.70	38.10	119.67	99.39	41.04	114.38	95.86	43.49
24	19	137.42	83.71	36.74	132.00	81.50	38.87	128.89	80.86	41.75	122.83	78.42	44.26
24	19.4	138.95	83.23	36.85	133.47	81.06	38.98	130.32	80.45	41.87	124.21	78.04	44.38
24	22	148.90	80.12	37.56	142.98	78.21	39.74	139.64	77.77	42.68	133.18	75.53	45.18
26.6	16	129.33	113.02	36.18	124.91	109.80	38.31	122.57	108.44	41.25	117.43	104.60	43.76
26.6	19	137.79	94.48	36.77	132.37	92.27	38.90	129.27	91.80	41.78	123.20	90.01	44.28
26.6	19.4	139.32	92.74	36.88	133.83	90.56	39.01	130.71	90.10	41.90	124.57	88.24	44.41
26.6	22	149.26	81.44	37.59	143.34	79.49	39.77	140.02	79.04	42.71	133.54	76.74	45.21
27	16	131.55	121.07	36.31	127.26	117.68	38.49	125.09	116.28	41.42	120.08	112.17	43.98
27	19	138.10	103.81	36.80	132.68	101.60	38.92	129.61	101.28	41.81	123.51	100.04	44.31
27	19.4	139.63	100.98	36.91	134.14	98.80	39.04	131.04	98.46	41.93	124.89	97.08	44.43
27	22	149.58	82.58	37.61	143.66	80.59	39.79	140.36	80.14	42.73	133.86	77.79	45.24
29	16	132.36	123.62	36.40	128.03	120.05	38.58	125.44	118.10	41.52	120.44	113.85	44.09
29	19	138.58	106.33	36.83	133.21	103.94	38.96	130.20	103.49	41.86	124.18	101.86	44.36
29	19.4	140.05	103.62	36.93	134.61	101.28	39.07	131.57	100.83	41.98	125.48	99.11	44.48
29	22	149.66	86.01	37.62	143.75	84.00	39.80	140.45	83.57	42.74	133.95	81.22	45.24
30	16	136.39	136.39	36.85	131.87	131.87	39.03	127.17	127.17	42.02	122.25	122.25	44.64
30	19	140.95	118.90	36.96	135.84	115.65	39.14	133.18	114.52	42.13	127.53	110.95	44.64
30	19.4	142.16	116.81	37.06	136.96	113.70	39.23	134.21	112.68	42.22	128.45	109.27	44.72
30	22	150.07	103.18	37.67	144.20	101.01	39.85	140.90	100.74	42.79	134.40	98.35	45.29

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		40			46			48			52		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	103.50	82.43	47.00	96.34	78.80	52.02	94.88	77.64	52.64	92.70	75.81	53.40
21	16	104.40	74.58	47.09	96.99	71.38	52.09	95.48	70.28	52.71	93.22	68.55	53.47
21	17	105.30	66.91	47.18	97.64	64.14	52.17	96.07	63.10	52.78	93.75	61.43	53.53
24	16	106.57	90.31	47.25	99.70	85.74	52.31	98.27	84.48	52.94	96.12	82.53	53.70
24	19	114.16	74.40	47.96	106.30	71.33	52.97	104.80	70.18	53.59	102.57	68.36	54.35
24	19.4	115.40	74.02	48.08	107.41	70.94	53.07	105.91	69.79	53.70	103.67	67.98	54.45
24	22	123.46	71.52	48.88	114.66	68.36	53.78	113.10	67.25	54.40	110.80	65.50	55.16
26.6	16	109.74	98.51	47.54	103.04	93.37	52.63	101.62	92.06	53.26	99.48	90.06	54.03
26.6	19	114.72	84.69	48.02	107.15	80.75	53.05	105.66	79.54	53.68	103.45	77.65	54.44
26.6	19.4	115.96	83.10	48.14	108.26	79.28	53.16	106.77	78.08	53.78	104.55	76.21	54.55
26.6	22	124.02	72.77	48.94	115.50	69.73	53.87	113.96	68.60	54.49	111.67	66.83	55.25
27	16	112.49	105.62	47.79	105.94	99.97	52.91	104.52	98.63	53.54	102.40	96.59	54.31
27	19	115.20	93.60	48.07	107.88	88.91	53.13	106.41	87.65	53.75	104.22	85.71	54.52
27	19.4	116.44	90.97	48.19	108.99	86.51	53.24	107.52	85.26	53.86	105.31	83.34	54.63
27	22	124.50	73.86	48.99	116.24	70.93	53.94	114.70	69.78	54.57	112.42	67.97	55.33
29	16	112.64	106.92	47.90	106.12	101.15	53.02	104.70	99.79	53.65	102.56	97.73	54.42
29	19	115.91	95.47	48.13	108.70	90.67	53.20	107.24	89.40	53.83	105.05	87.45	54.59
29	19.4	117.06	93.04	48.25	109.72	88.48	53.30	108.25	87.23	53.93	106.05	85.30	54.69
29	22	124.60	77.21	49.00	116.35	74.28	53.95	114.81	73.12	54.58	112.53	71.32	55.34
30	16	113.39	113.39	48.45	107.02	107.02	53.56	105.57	105.57	54.19	103.40	103.40	54.96
30	19	119.44	104.81	48.45	112.80	99.48	53.56	111.37	98.16	54.19	109.22	96.15	54.96
30	19.4	120.20	103.36	48.53	113.35	98.35	53.62	111.90	97.05	54.25	109.74	95.07	55.02
30	22	125.09	93.97	49.05	116.91	91.03	54.00	115.38	89.86	54.62	113.11	88.04	55.38

- 1. TOT.CAP. : Total Capacity (kW)
- 2. SENS. CAP. : Sensible Capacity (kW)
- 3. PI : Power input (kW)
- 4. DB : Dry Bulb Temperature (°C)
- 5. WB : Wet Bulb Temperature (°C)
- 6. The specification are subject to change without prior notice.

Cooling T1		Cooling T4	
EVAP.: 27°C DB / 19°C WB	COND.: 35°C DB / 24°C WB	EVAP.: 26.6°C DB / 19.4°C WB	COND.: 48°C DB / 26.9°C WB
Cooling T3			
EVAP.: 29°C DB / 19°C WB	COND.: 46°C DB / 24°C WB		

Cooling

Engineering Data – R410A Model (Cooling)

LXSRT-480S0M3C

Performance Data

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		19			25			30			35		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	142.03	106.46	40.99	136.71	103.70	43.38	133.73	102.90	46.70	127.72	99.83	49.59
21	16	144.53	96.49	41.17	138.78	93.90	43.54	135.46	93.12	46.85	129.04	90.27	49.72
21	17	147.03	86.54	41.36	140.85	84.17	43.71	137.19	83.47	47.00	130.35	80.89	49.84
24	16	145.41	118.98	41.30	140.18	115.51	43.67	137.28	114.01	47.04	131.21	109.97	49.84
24	19	157.64	96.03	42.11	151.42	93.49	44.54	147.85	92.76	47.85	140.90	89.96	50.72
24	19.4	159.40	95.48	42.23	153.10	92.98	44.67	149.49	92.29	47.99	142.48	89.52	50.86
24	22	170.80	91.91	43.04	164.02	89.72	45.54	160.18	89.22	48.91	152.77	86.65	51.78
26.6	16	148.35	129.64	41.46	143.29	125.95	43.90	140.61	124.39	47.27	134.71	119.99	50.15
26.6	19	158.06	108.38	42.14	151.84	105.84	44.58	148.29	105.31	47.88	141.32	103.25	50.75
26.6	19.4	159.81	106.38	42.27	153.52	103.89	44.71	149.94	103.36	48.02	142.90	101.22	50.89
26.6	22	171.22	93.42	43.08	164.43	91.18	45.57	160.62	90.67	48.94	153.19	88.03	51.81
27	16	150.90	138.88	41.61	145.98	135.00	44.10	143.49	133.39	47.47	137.74	128.67	50.41
27	19	158.42	119.09	42.17	152.20	116.55	44.60	148.68	116.18	47.91	141.68	114.76	50.78
27	19.4	160.17	115.84	42.30	153.88	113.33	44.74	150.32	112.95	48.05	143.26	111.36	50.92
27	22	171.58	94.73	43.11	164.79	92.45	45.60	161.01	91.93	48.97	153.55	89.24	51.84
29	16	151.83	141.81	41.71	146.86	137.71	44.21	143.89	135.47	47.59	138.16	130.60	50.53
29	19	158.96	121.97	42.20	152.80	119.23	44.65	149.36	118.71	47.97	142.45	116.85	50.84
29	19.4	160.66	118.86	42.32	154.42	116.18	44.77	150.93	115.67	48.11	143.94	113.69	50.98
29	22	171.68	98.67	43.12	164.90	96.35	45.61	161.11	95.87	48.98	153.65	93.17	51.85
30	16	156.45	156.45	42.23	151.27	151.27	44.73	145.88	145.88	48.16	140.23	140.23	51.15
30	19	161.68	136.39	42.36	155.83	132.66	44.85	152.77	131.37	48.28	146.29	127.27	51.15
30	19.4	163.08	133.99	42.47	157.11	130.42	44.96	153.95	129.26	48.38	147.34	125.35	51.25
30	22	172.15	118.36	43.17	165.41	115.87	45.66	161.63	115.56	49.03	154.17	112.82	51.90

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		40			46			48			52		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	118.72	94.55	53.86	110.52	90.39	59.62	109.06	89.23	60.24	106.87	87.40	61.00
21	16	119.76	85.56	53.96	111.26	81.88	59.70	109.75	80.78	60.32	107.49	79.05	61.07
21	17	120.80	76.75	54.07	112.00	73.58	59.78	110.43	72.54	60.40	108.12	70.87	61.15
24	16	122.25	103.59	54.15	114.37	98.36	59.95	112.94	97.09	60.58	110.79	95.14	61.34
24	19	130.95	85.35	54.96	121.94	81.83	60.70	120.44	80.67	61.32	118.21	78.86	62.08
24	19.4	132.38	84.91	55.10	123.21	81.37	60.82	121.71	80.22	61.45	119.47	78.42	62.20
24	22	141.63	82.04	56.02	131.52	78.41	61.63	129.97	77.31	62.25	127.67	75.56	63.01
26.6	16	125.88	113.00	54.48	118.20	107.10	60.32	116.78	105.80	60.94	114.64	103.80	61.71
26.6	19	131.59	97.15	55.03	122.91	92.63	60.80	121.43	91.41	61.42	119.22	89.53	62.18
26.6	19.4	133.01	95.33	55.17	124.19	90.94	60.92	122.70	89.74	61.55	120.48	87.87	62.31
26.6	22	142.27	83.48	56.09	132.49	79.99	61.73	130.95	78.86	62.36	128.66	77.09	63.11
27	16	129.04	121.16	54.77	121.52	114.68	60.64	120.11	113.34	61.26	117.98	111.30	62.03
27	19	132.14	107.37	55.08	123.75	101.98	60.89	122.28	100.73	61.51	120.09	98.79	62.28
27	19.4	133.57	104.35	55.23	125.03	99.23	61.01	123.55	97.99	61.64	121.35	96.07	62.40
27	22	142.82	84.73	56.14	133.34	81.36	61.82	131.80	80.21	62.44	129.52	78.41	63.20
29	16	129.21	122.64	54.90	121.73	116.03	60.76	120.31	114.67	61.39	118.18	112.61	62.16
29	19	132.96	109.52	55.16	124.69	104.01	60.97	123.23	102.74	61.59	121.05	100.79	62.36
29	19.4	134.29	106.72	55.29	125.86	101.50	61.08	124.39	100.25	61.71	122.19	98.32	62.47
29	22	142.93	88.57	56.16	133.47	85.20	61.83	131.93	84.05	62.45	129.65	82.24	63.21
30	16	130.07	130.07	55.52	122.77	122.77	61.39	121.31	121.31	62.01	119.14	119.14	62.78
30	19	137.02	120.23	55.52	129.40	114.11	61.39	127.96	112.80	62.01	125.81	110.79	62.78
30	19.4	137.88	118.57	55.61	130.03	112.82	61.45	128.58	111.52	62.08	126.41	109.54	62.85
30	22	143.49	107.79	56.21	134.11	104.42	61.88	132.58	103.26	62.51	130.31	101.43	63.27

- TOT.CAP. : Total Capacity (kW)
- SENS. CAP. : Sensible Capacity (kW)
- PI : Power input (kW)
- DB : Dry Bulb Temperature (°C)
- WB : Wet Bulb Temperature (°C)
- The specification are subject to change without prior notice.

Cooling T1		Cooling T4	
EVAP.: 27°C DB / 19°C WB	COND.: 35°C DB / 24°C WB	EVAP.: 26.6°C DB / 19.4°C WB	COND.: 48°C DB / 26.9°C WB
Cooling T3			
EVAP.: 29°C DB / 19°C WB	COND.: 46°C DB / 24°C WB		

Cooling

Engineering Data – R410A Model (Cooling)

LXSRT-540S0M3C

Performance Data

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		19			25			30			35		
		DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.
21	15	158.66	118.93	45.80	152.71	115.85	48.48	149.39	114.95	52.20	142.68	111.52	55.43
21	16	161.45	107.79	46.01	155.03	104.89	48.66	151.32	104.03	52.36	144.14	100.84	55.56
21	17	164.25	96.68	46.22	157.34	94.03	48.85	153.25	93.25	52.52	145.61	90.37	55.70
24	16	162.44	132.91	46.15	156.59	129.04	48.80	153.35	127.36	52.57	146.58	122.84	55.70
24	19	176.10	107.27	47.06	169.15	104.43	49.78	165.16	103.62	53.47	157.40	100.50	56.68
24	19.4	178.06	106.66	47.20	171.03	103.87	49.93	167.00	103.09	53.63	159.17	100.00	56.84
24	22	190.80	102.67	48.11	183.22	100.22	50.89	178.94	99.66	54.66	170.66	96.79	57.87
26.6	16	165.73	144.82	46.34	160.06	140.70	49.06	157.07	138.96	52.83	150.48	134.04	56.04
26.6	19	176.57	121.07	47.10	169.62	118.23	49.82	165.66	117.64	53.51	157.87	115.34	56.72
26.6	19.4	178.53	118.84	47.24	171.49	116.05	49.96	167.49	115.46	53.67	159.63	113.07	56.88
26.6	22	191.27	104.36	48.14	183.69	101.86	50.93	179.43	101.29	54.70	171.12	98.34	57.90
27	16	168.57	155.14	46.50	163.07	150.80	49.29	160.30	149.01	53.05	153.87	143.74	56.33
27	19	176.97	133.03	47.13	170.02	130.19	49.85	166.09	129.79	53.54	158.27	128.20	56.75
27	19.4	178.93	129.40	47.27	171.90	126.60	50.00	167.92	126.18	53.70	160.04	124.40	56.91
27	22	191.67	105.82	48.17	184.09	103.27	50.96	179.86	102.70	54.73	171.53	99.69	57.94
29	16	169.61	158.41	46.62	164.06	153.83	49.41	160.74	151.33	53.18	154.33	145.89	56.47
29	19	177.58	136.25	47.16	170.70	133.19	49.89	166.85	132.62	53.61	159.13	130.53	56.82
29	19.4	179.47	132.78	47.30	172.50	129.79	50.04	168.60	129.21	53.76	160.80	127.00	56.97
29	22	191.78	110.22	48.19	184.20	107.64	50.98	179.98	107.10	54.74	171.64	104.08	57.95
30	16	174.77	174.77	47.20	168.98	168.98	49.99	162.96	162.96	53.82	156.65	156.65	57.17
30	19	180.62	152.37	47.34	174.07	148.20	50.13	170.66	146.75	53.96	163.42	142.18	57.17
30	19.4	182.17	149.68	47.46	175.50	145.70	50.25	171.98	144.40	54.07	164.60	140.02	57.28
30	22	192.31	132.22	48.24	184.78	129.44	51.03	180.56	129.09	54.80	172.22	126.03	58.00

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		40			46			48			52		
		DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.
21	15	132.62	105.62	60.19	123.46	100.98	66.63	121.84	99.68	67.32	119.36	97.62	68.18
21	16	133.78	95.58	60.31	124.29	91.47	66.72	122.61	90.25	67.41	120.05	88.28	68.27
21	17	134.94	85.74	60.42	125.12	82.19	66.81	123.37	81.04	67.50	120.75	79.14	68.35
24	16	136.56	115.72	60.51	127.76	109.87	67.00	126.17	108.47	67.69	123.73	106.26	68.56
24	19	146.29	95.34	61.42	136.21	91.41	67.84	134.55	90.12	68.53	132.02	88.07	69.39
24	19.4	147.88	94.85	61.58	137.64	90.90	67.97	135.97	89.62	68.66	133.43	87.57	69.53
24	22	158.21	91.64	62.61	146.92	87.59	68.88	145.20	86.37	69.57	142.59	84.39	70.43
26.6	16	140.62	126.23	60.89	132.04	119.64	67.41	130.46	118.19	68.11	128.04	115.93	68.98
26.6	19	147.00	108.52	61.50	137.30	103.47	67.95	135.65	102.13	68.64	133.15	99.99	69.51
26.6	19.4	148.59	106.49	61.65	138.73	101.59	68.09	137.07	100.26	68.78	134.55	98.14	69.64
26.6	22	158.93	93.25	62.68	148.01	89.36	68.99	146.29	88.10	69.68	143.70	86.09	70.54
27	16	144.14	135.35	61.21	135.75	128.11	67.77	134.18	126.62	68.46	131.77	124.31	69.34
27	19	147.62	119.95	61.56	138.24	113.93	68.04	136.61	112.53	68.74	134.12	110.33	69.61
27	19.4	149.21	116.57	61.72	139.67	110.85	68.18	138.03	109.47	68.88	135.53	107.30	69.75
27	22	159.54	94.65	62.75	148.95	90.89	69.09	147.24	89.61	69.78	144.65	87.56	70.64
29	16	144.34	137.01	61.35	135.98	129.61	67.90	134.41	128.10	68.60	131.99	125.76	69.48
29	19	148.53	122.34	61.64	139.29	116.18	68.14	137.67	114.78	68.83	135.19	112.56	69.70
29	19.4	150.01	119.22	61.79	140.60	113.38	68.27	138.96	111.99	68.96	136.47	109.80	69.83
29	22	159.67	98.94	62.76	149.09	95.18	69.10	147.39	93.90	69.79	144.80	91.85	70.66
30	16	145.30	145.30	62.05	137.14	137.14	68.60	135.53	135.53	69.30	133.06	133.06	70.17
30	19	153.06	134.30	62.05	144.55	127.47	68.60	142.96	126.01	69.30	140.52	123.73	70.17
30	19.4	154.02	132.45	62.15	145.25	126.03	68.68	143.65	124.59	69.37	141.19	122.34	70.25
30	22	160.30	120.41	62.82	149.82	116.65	69.16	148.11	115.35	69.85	145.53	113.28	70.71

- TOT.CAP. : Total Capacity (kW)
- SENS. CAP. : Sensible Capacity (kW)
- PI : Power input (kW)
- DB : Dry Bulb Temperature (°C)
- WB : Wet Bulb Temperature (°C)
- The specification are subject to change without prior notice.

Cooling T1			Cooling T4		
EVAP.: 27°C DB / 19°C WB			EVAP.: 26.6°C DB / 19.4°C WB		
COND.: 35°C DB / 24°C WB			COND.: 48°C DB / 26.9°C WB		
Cooling T3					
EVAP.: 29°C DB / 19°C WB					
COND.: 46°C DB / 24°C WB					

Cooling

Engineering Data – R410A Model (Cooling)

LXSRT-600S0M3C

Performance Data

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		19			25			30			35		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	176.25	132.12	50.91	169.65	128.69	53.88	165.96	127.70	58.02	158.50	123.88	61.61
21	16	179.36	119.74	51.15	172.22	116.52	54.09	168.10	115.56	58.20	160.13	112.03	61.76
21	17	182.47	107.40	51.38	174.79	104.46	54.30	170.25	103.59	58.38	161.76	100.39	61.92
24	16	180.45	147.65	51.30	173.96	143.34	54.25	170.35	141.48	58.43	162.83	136.46	61.92
24	19	195.63	119.16	52.31	187.91	116.01	55.33	183.47	115.11	59.44	174.86	111.64	63.00
24	19.4	197.81	118.48	52.46	189.99	115.39	55.50	185.51	114.53	59.61	176.82	111.09	63.18
24	22	211.96	114.06	53.47	203.54	111.34	56.57	198.78	110.71	60.76	189.58	107.52	64.32
26.6	16	184.10	160.88	51.51	177.81	156.30	54.54	174.49	154.36	58.72	167.17	148.90	62.29
26.6	19	196.14	134.49	52.35	188.43	131.34	55.37	184.02	130.68	59.48	175.37	128.13	63.04
26.6	19.4	198.32	132.02	52.50	190.51	128.92	55.54	186.06	128.26	59.65	177.34	125.61	63.22
26.6	22	212.48	115.93	53.51	204.05	113.15	56.61	199.33	112.52	60.80	190.10	109.25	64.36
27	16	187.27	172.35	51.69	181.16	167.52	54.79	178.07	165.53	58.97	170.93	159.68	62.62
27	19	196.59	147.78	52.39	188.87	144.63	55.41	184.50	144.18	59.52	175.82	142.41	63.08
27	19.4	198.77	143.75	52.54	190.96	140.64	55.57	186.54	140.17	59.69	177.78	138.19	63.26
27	22	212.93	117.56	53.55	204.50	114.73	56.65	199.81	114.08	60.83	190.55	110.74	64.40
29	16	188.41	175.98	51.82	182.25	170.89	54.92	178.56	168.11	59.11	171.45	162.07	62.77
29	19	197.27	151.36	52.42	189.62	147.96	55.46	185.35	147.32	59.59	176.77	145.00	63.16
29	19.4	199.37	147.51	52.58	191.63	144.18	55.62	187.29	143.54	59.76	178.63	141.08	63.32
29	22	213.04	122.44	53.56	204.63	119.57	56.66	199.94	118.97	60.85	190.68	115.62	64.41
30	16	194.15	194.15	52.46	187.72	187.72	55.56	181.03	181.03	59.83	174.02	174.02	63.54
30	19	200.64	169.26	52.62	193.38	164.63	55.72	189.58	163.02	59.98	181.54	157.94	63.54
30	19.4	202.38	166.28	52.75	194.96	161.85	55.85	191.05	160.41	60.10	182.85	155.55	63.67
30	22	213.63	146.88	53.63	205.27	143.79	56.73	200.58	143.41	60.91	191.32	140.00	64.47

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		40			46			48			52		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	147.33	117.34	66.90	137.15	112.18	74.06	135.36	110.75	74.82	133.05	108.81	75.61
21	16	148.62	106.17	67.03	138.07	101.61	74.16	136.22	100.27	74.92	133.83	98.43	75.71
21	17	149.90	95.25	67.16	138.99	91.31	74.26	137.07	90.04	75.02	134.62	88.26	75.80
24	16	151.70	128.55	67.26	141.93	122.06	74.47	140.18	120.51	75.24	137.90	118.44	76.03
24	19	162.51	105.92	68.27	151.32	101.54	75.40	149.49	100.13	76.16	147.12	98.20	76.96
24	19.4	164.27	105.37	68.45	152.90	100.98	75.56	151.06	99.57	76.32	148.69	97.65	77.11
24	22	175.76	101.81	69.59	163.22	97.31	76.56	161.32	95.96	77.32	158.88	94.10	78.11
26.6	16	156.22	140.23	67.68	146.68	132.91	74.93	144.95	131.31	75.69	142.68	129.19	76.50
26.6	19	163.30	120.56	68.36	152.52	114.94	75.53	150.71	113.46	76.29	148.37	111.47	77.08
26.6	19.4	165.07	118.30	68.53	154.11	112.85	75.68	152.29	111.39	76.44	149.94	109.40	77.24
26.6	22	176.55	103.59	69.67	164.42	99.27	76.69	162.53	97.89	77.45	160.11	96.00	78.24
27	16	160.13	150.35	68.04	150.80	142.32	75.32	149.08	140.68	76.09	146.82	138.51	76.89
27	19	163.99	133.25	68.43	153.57	126.56	75.63	151.78	125.02	76.40	149.45	122.96	77.20
27	19.4	165.75	129.50	68.60	155.16	123.15	75.79	153.35	121.63	76.55	151.02	119.59	77.35
27	22	177.23	105.14	69.74	165.47	100.96	76.80	163.59	99.56	77.56	161.17	97.64	78.35
29	16	160.34	152.20	68.19	151.06	143.99	75.48	149.33	142.32	76.25	147.06	140.14	77.05
29	19	164.99	135.91	68.52	154.74	129.07	75.74	152.95	127.52	76.50	150.64	125.45	77.30
29	19.4	166.65	132.44	68.68	156.19	125.96	75.88	154.39	124.43	76.64	152.06	122.38	77.44
29	22	177.37	109.91	69.76	165.63	105.73	76.81	163.75	104.33	77.57	161.33	102.41	78.36
30	16	161.41	161.41	68.97	152.35	152.35	76.25	150.57	150.57	77.02	148.27	148.27	77.82
30	19	170.03	149.20	68.97	160.58	141.61	76.25	158.83	140.00	77.02	156.55	137.87	77.82
30	19.4	171.10	147.14	69.08	161.36	140.00	76.34	159.59	138.42	77.10	157.29	136.32	77.91
30	22	178.07	133.76	69.82	166.43	129.58	76.87	164.56	128.16	77.63	162.15	126.22	78.43

- TOT. CAP. : Total Capacity (kW)
- SENS. CAP. : Sensible Capacity (kW)
- PI : Power input (kW)
- DB : Dry Bulb Temperature (°C)
- WB : Wet Bulb Temperature (°C)
- The specification are subject to change without prior notice.

Cooling T1		Cooling T4	
EVAP.: 27°C DB / 19°C WB	COND.: 35°C DB / 24°C WB		EVAP.: 26.6°C DB / 19.4°C WB
COND.: 48°C DB / 26.9°C WB			
Cooling T3			
EVAP.: 29°C DB / 19°C WB		COND.: 46°C DB / 24°C WB	

Cooling

Engineering Data – R410A Model (Cooling)

LXSRT-680S0M3C

Performance Data

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		19			25			30			35		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	200.10	149.99	57.83	192.60	146.11	61.20	188.42	144.98	65.90	179.95	140.65	69.98
21	16	203.63	135.94	58.09	195.52	132.29	61.44	190.85	131.20	66.10	181.80	127.18	70.15
21	17	207.15	121.93	58.36	198.44	118.59	61.67	193.28	117.60	66.31	183.65	113.97	70.33
24	16	204.87	167.63	58.27	197.49	162.74	61.62	193.40	160.62	66.37	184.86	154.93	70.33
24	19	222.10	135.29	59.41	213.34	131.71	62.85	208.30	130.69	67.51	198.51	126.75	71.56
24	19.4	224.57	134.51	59.59	215.70	131.00	63.04	210.62	130.02	67.71	200.74	126.12	71.76
24	22	240.64	129.49	60.74	231.08	126.40	64.26	225.67	125.69	69.01	215.23	122.07	73.06
26.6	16	209.01	182.65	58.51	201.87	177.45	61.95	198.10	175.25	66.70	189.79	169.05	70.75
26.6	19	222.68	152.69	59.46	213.92	149.12	62.89	208.92	148.37	67.56	199.10	145.46	71.61
26.6	19.4	225.16	149.88	59.64	216.29	146.36	63.08	211.24	145.62	67.76	201.33	142.60	71.81
26.6	22	241.23	131.62	60.78	231.66	128.46	64.30	226.30	127.74	69.06	215.82	124.03	73.11
27	16	212.61	195.67	58.71	205.67	190.19	62.23	202.17	187.93	66.98	194.06	181.28	71.12
27	19	223.19	167.78	59.50	214.43	164.20	62.94	209.47	163.69	67.60	199.61	161.68	71.65
27	19.4	225.66	163.20	59.68	216.80	159.67	63.12	211.78	159.13	67.80	201.84	156.89	71.85
27	22	241.74	133.46	60.82	232.17	130.25	64.34	226.84	129.52	69.10	216.33	125.72	73.15
29	16	213.91	199.79	58.86	206.91	194.01	62.38	202.73	190.86	67.15	194.65	184.00	71.30
29	19	223.96	171.84	59.55	215.28	167.98	62.99	210.43	167.25	67.69	200.69	164.62	71.74
29	19.4	226.35	167.46	59.72	217.55	163.69	63.18	212.64	162.96	67.88	202.80	160.17	71.93
29	22	241.87	139.01	60.84	232.32	135.75	64.36	226.99	135.07	69.11	216.48	131.26	73.16
30	16	220.42	220.42	59.59	213.12	213.12	63.11	205.52	205.52	67.95	197.57	197.57	72.18
30	19	227.79	192.16	59.77	219.54	186.91	63.29	215.23	185.08	68.13	206.11	179.31	72.18
30	19.4	229.76	188.78	59.92	221.34	183.75	63.44	216.90	182.11	68.27	207.59	176.60	72.32
30	22	242.54	166.76	60.91	233.05	163.25	64.43	227.72	162.81	69.19	217.21	158.94	73.23

TEMPERATURE OF AIR ENTERING EVAPORATOR		TEMPERATURE OF AIR ENTERING CONDENSER (°C)											
		40			46			48			52		
DB °C	WB °C	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI	TOT.CAP.	SENS.CAP.	PI
21	15	167.27	133.21	75.99	155.71	127.35	84.12	153.68	125.74	84.98	151.60	123.99	85.67
21	16	168.73	120.54	76.14	156.75	115.36	84.24	154.65	113.84	85.10	152.51	112.17	85.78
21	17	170.19	108.14	76.29	157.80	103.66	84.35	155.62	102.22	85.21	153.43	100.61	85.89
24	16	172.23	145.95	76.40	161.13	138.57	84.59	159.14	136.81	85.46	157.10	134.96	86.15
24	19	184.50	120.25	77.55	171.79	115.28	85.65	169.71	113.68	86.51	167.60	111.94	87.20
24	19.4	186.50	119.63	77.75	173.59	114.64	85.82	171.50	113.04	86.68	169.38	111.32	87.37
24	22	199.54	115.58	79.04	185.30	110.47	86.97	183.14	108.94	87.82	180.97	107.27	88.51
26.6	16	177.35	159.21	76.87	166.53	150.89	85.11	164.56	149.08	85.98	162.53	147.18	86.68
26.6	19	185.40	136.87	77.64	173.16	130.50	85.79	171.10	128.82	86.65	169.01	127.02	87.35
26.6	19.4	187.40	134.30	77.84	174.96	128.12	85.96	172.89	126.46	86.83	170.79	124.67	87.52
26.6	22	200.44	117.61	79.14	186.67	112.70	87.11	184.52	111.13	87.97	182.36	109.43	88.66
27	16	181.80	170.70	77.28	171.21	161.57	85.56	169.25	159.71	86.43	167.23	157.77	87.13
27	19	186.18	151.28	77.72	174.35	143.68	85.91	172.31	141.94	86.78	170.23	140.09	87.47
27	19.4	188.18	147.02	77.92	176.15	139.81	86.09	174.10	138.08	86.95	172.01	136.25	87.65
27	22	201.22	119.37	79.22	187.86	114.63	87.23	185.72	113.03	88.09	183.56	111.30	88.78
29	16	182.04	172.79	77.46	171.50	163.47	85.73	169.53	161.58	86.61	167.50	159.62	87.30
29	19	187.32	154.29	77.83	175.67	146.53	86.03	173.65	144.77	86.90	171.57	142.91	87.59
29	19.4	189.19	150.36	78.01	177.32	143.00	86.19	175.28	141.26	87.06	173.20	139.42	87.75
29	22	201.37	124.79	79.23	188.04	120.04	87.24	185.90	118.44	88.11	183.74	116.71	88.80
30	16	183.26	183.26	78.34	172.96	172.96	86.61	170.95	170.95	87.49	168.88	168.88	88.18
30	19	193.04	169.38	78.34	182.31	160.77	86.61	180.32	158.94	87.49	178.27	157.03	88.18
30	19.4	194.26	167.05	78.47	183.19	158.95	86.71	181.18	157.15	87.58	179.13	155.26	88.28
30	22	202.17	151.86	79.31	188.95	147.12	87.32	186.82	145.50	88.18	184.67	143.75	88.87

- TOT.CAP. : Total Capacity (kW)
- SENS. CAP. : Sensible Capacity (kW)
- PI : Power input (kW)
- DB : Dry Bulb Temperature (°C)
- WB : Wet Bulb Temperature (°C)
- The specification are subject to change without prior notice.

Cooling T1			Cooling T4		
EVAP.: 27°C DB / 19°C WB			EVAP.: 26.6°C DB / 19.4°C WB		
COND.: 35°C DB / 24°C WB			COND.: 48°C DB / 26.9°C WB		
Cooling T3					
EVAP.: 29°C DB / 19°C WB					
COND.: 46°C DB / 24°C WB					

Heating

Engineering Data – R410A Model (Heating)

LXSRT-52S0M3HP

Performance Data										
TEMPERATURE OF AIR ENTERING EVAPORATOR (°C)	TEMPERATURE OF AIR ENTERING CONDENSER (°C)									
	-5		0		7		12		15	
	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI
DB										
15	11.33	3.38	14.80	3.68	17.94	4.05	18.35	4.35	19.56	4.54
17	11.02	3.52	14.28	3.83	17.16	4.22	17.81	4.54	18.99	4.74
19	10.71	3.66	13.76	3.99	16.39	4.40	17.28	4.73	18.41	4.93
20	10.41	3.81	13.23	4.15	15.62	4.57	16.74	4.92	17.84	5.13
23	10.10	3.95	12.71	4.31	14.84	4.74	16.20	5.11	17.26	5.33
25	9.79	4.10	12.19	4.46	14.07	4.92	15.67	5.30	16.69	5.52
27	9.48	4.24	11.66	4.62	13.29	5.09	15.13	5.49	16.11	5.72

LXSRT-60S0M3HP

Performance Data										
TEMPERATURE OF AIR ENTERING EVAPORATOR (°C)	TEMPERATURE OF AIR ENTERING CONDENSER (°C)									
	-5		0		7		12		15	
	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI
DB										
15	13.42	3.99	17.54	4.34	21.25	4.78	21.74	5.13	23.18	5.36
17	13.06	4.16	16.92	4.53	20.34	4.99	21.10	5.36	22.50	5.60
19	12.69	4.33	16.30	4.71	19.42	5.19	20.47	5.59	21.82	5.83
20	12.33	4.50	15.68	4.90	18.50	5.40	19.83	5.81	21.13	6.06
23	11.96	4.67	15.06	5.09	17.58	5.61	19.20	6.04	20.45	6.29
25	11.60	4.84	14.44	5.27	16.66	5.81	18.56	6.26	19.77	6.53
27	11.24	5.01	13.82	5.46	15.75	6.02	17.93	6.49	19.09	6.76

LXSRT-80S0M3HP

Performance Data										
TEMPERATURE OF AIR ENTERING EVAPORATOR (°C)	TEMPERATURE OF AIR ENTERING CONDENSER (°C)									
	-5		0		7		12		15	
	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI
DB										
15	17.92	5.32	23.41	5.79	28.38	6.38	29.02	6.85	30.95	7.15
17	17.43	5.55	22.59	6.04	27.15	6.65	28.18	7.15	30.04	7.46
19	16.95	5.77	21.76	6.29	25.93	6.93	27.33	7.45	29.13	7.77
20	16.46	6.00	20.93	6.53	24.70	7.20	26.48	7.75	28.22	8.08
23	15.97	6.23	20.10	6.78	23.47	7.47	25.63	8.05	27.31	8.39
25	15.49	6.45	19.28	7.03	22.25	7.75	24.78	8.35	26.40	8.70
27	15.00	6.68	18.45	7.28	21.02	8.02	23.93	8.65	25.49	9.01

Notes.

- 1. TOT.CAP. : Total Capacity (kW)
- 2. SENS. CAP. : Sensible Capacity (kW)
- 3. PI : Power input (kW)
- 4. DB : Dry Bulb Temperature (°C)
- 5. WB : Wet Bulb Temperature (°C)

Heating H1
EVAP.: 20°C DB / 15°C WB
COND.: 7°C DB / 6°C WB

Heating

Engineering Data – R410A Model (Heating)

LXSRT-90S0M3HP

Performance Data										
TEMPERATURE OF AIR ENTERING EVAPORATOR (°C)	TEMPERATURE OF AIR ENTERING CONDENSER (°C)									
	-5		0		7		12		15	
	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI
DB										
15	20.09	5.98	26.26	6.51	31.82	7.17	32.55	7.70	34.71	8.05
17	19.55	6.24	25.33	6.79	30.45	7.48	31.60	8.04	33.69	8.39
19	19.00	6.49	24.40	7.07	29.07	7.79	30.65	8.38	32.67	8.74
20	18.46	6.75	23.47	7.35	27.70	8.10	29.69	8.72	31.64	9.09
23	17.91	7.00	22.54	7.63	26.33	8.41	28.74	9.05	30.62	9.44
25	17.37	7.26	21.62	7.91	24.95	8.72	27.79	9.39	29.60	9.79
27	16.83	7.51	20.69	8.19	23.58	9.03	26.84	9.73	28.58	10.14

LXSRT-120S0M3HP

Performance Data										
TEMPERATURE OF AIR ENTERING EVAPORATOR (°C)	TEMPERATURE OF AIR ENTERING CONDENSER (°C)									
	-5		0		7		12		15	
	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI
DB										
15	26.84	8.20	35.07	8.93	42.51	9.83	43.48	10.56	46.36	11.02
17	26.11	8.55	33.83	9.31	40.67	10.25	42.21	11.02	45.00	11.50
19	25.38	8.90	32.59	9.69	38.84	10.68	40.93	11.48	43.63	11.98
20	24.66	9.25	31.35	10.07	37.00	11.10	39.66	11.94	42.27	12.46
23	23.93	9.60	30.11	10.46	35.16	11.52	38.39	12.41	40.91	12.94
25	23.20	9.95	28.87	10.84	33.33	11.95	37.12	12.87	39.54	13.41
27	22.47	10.30	27.63	11.22	31.49	12.37	35.85	13.33	38.18	13.89

LXSRT-150S0M3HP

Performance Data										
TEMPERATURE OF AIR ENTERING EVAPORATOR (°C)	TEMPERATURE OF AIR ENTERING CONDENSER (°C)									
	-5		0		7		12		15	
	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI
DB										
15	33.51	10.27	43.80	11.18	53.07	12.31	54.29	13.22	57.89	13.81
17	32.60	10.71	42.25	11.66	50.78	12.84	52.70	13.80	56.18	14.40
19	31.70	11.14	40.70	12.14	48.49	13.37	51.11	14.38	54.48	15.00
20	30.79	11.58	39.15	12.62	46.20	13.90	49.53	14.96	52.78	15.60
23	29.88	12.02	37.60	13.09	43.91	14.43	47.94	15.54	51.08	16.20
25	28.97	12.46	36.05	13.57	41.62	14.96	46.35	16.12	49.37	16.80
27	28.06	12.89	34.50	14.05	39.33	15.49	44.77	16.70	47.67	17.40

Notes.

- 1. TOT.CAP. : Total Capacity (kW)
- 2. SENS. CAP. : Sensible Capacity (kW)
- 3. PI : Power input (kW)
- 4. DB : Dry Bulb Temperature (°C)
- 5. WB : Wet Bulb Temperature (°C)

Heating H1
EVAP.: 20°C DB / 15°C WB
COND.: 7°C DB / 6°C WB

Heating

Engineering Data – R410A Model (Heating)

LXSRT-180S0M3HP

Performance Data										
TEMPERATURE OF AIR ENTERING EVAPORATOR (°C)	TEMPERATURE OF AIR ENTERING CONDENSER (°C)									
	-5		0		7		12		15	
	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI
DB										
15	40.26	12.41	52.61	13.51	63.76	14.88	65.21	15.98	69.54	16.69
17	39.17	12.94	50.75	14.09	61.01	15.52	63.31	16.68	67.49	17.41
19	38.08	13.47	48.89	14.67	58.25	16.16	61.40	17.38	65.45	18.13
20	36.99	14.00	47.03	15.25	55.50	16.80	59.50	18.08	63.40	18.86
23	35.89	14.53	45.17	15.83	52.75	17.44	57.59	18.78	61.36	19.58
25	34.80	15.05	43.31	16.41	49.99	18.08	55.68	19.48	59.31	20.30
27	33.71	15.58	41.45	16.98	47.24	18.72	53.78	20.18	57.27	21.03

LXSRT-240S0M3HP

Performance Data										
TEMPERATURE OF AIR ENTERING EVAPORATOR (°C)	TEMPERATURE OF AIR ENTERING CONDENSER (°C)									
	-5		0		7		12		15	
	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI
DB										
15	53.61	16.62	70.05	18.09	84.90	19.92	86.84	21.40	92.59	22.35
17	52.15	17.33	67.58	18.87	81.23	20.78	84.30	22.33	89.87	23.32
19	50.70	18.04	65.10	19.65	77.57	21.64	81.76	23.27	87.15	24.29
20	49.25	18.75	62.62	20.42	73.90	22.50	79.22	24.21	84.42	25.25
23	47.79	19.45	60.15	21.20	70.23	23.36	76.68	25.15	81.70	26.22
25	46.34	20.16	57.67	21.97	66.57	24.22	74.14	26.09	78.98	27.19
27	44.89	20.87	55.19	22.75	62.90	25.08	71.61	27.02	76.25	28.16

LXSRT-300S0M3HP

Performance Data										
TEMPERATURE OF AIR ENTERING EVAPORATOR (°C)	TEMPERATURE OF AIR ENTERING CONDENSER (°C)									
	-5		0		7		12		15	
	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI
DB										
15	67.02	21.06	87.59	22.92	106.15	25.24	108.57	27.10	115.77	28.31
17	65.21	21.95	84.49	23.90	101.57	26.32	105.40	28.29	112.37	29.53
19	63.39	22.85	81.40	24.88	96.98	27.41	102.23	29.48	108.96	30.76
20	61.58	23.75	78.30	25.87	92.40	28.50	99.05	30.67	105.56	31.99
23	59.76	24.64	75.20	26.85	87.82	29.59	95.88	31.85	102.15	33.22
25	57.94	25.54	72.11	27.83	83.23	30.68	92.71	33.04	98.75	34.44
27	56.13	26.44	69.01	28.81	78.65	31.76	89.53	34.23	95.34	35.67

Notes.

- 1. TOT.CAP. : Total Capacity (kW)
- 2. SENS. CAP. : Sensible Capacity (kW)
- 3. PI : Power input (kW)
- 4. DB : Dry Bulb Temperature (°C)
- 5. WB : Wet Bulb Temperature (°C)

Heating H1
EVAP.: 20°C DB / 15°C WB
COND.: 7°C DB / 6°C WB

Heating

Engineering Data – R410A Model (Heating)

LXSRT-360S0M3HP

Performance Data										
TEMPERATURE OF AIR ENTERING EVAPORATOR (°C)	TEMPERATURE OF AIR ENTERING CONDENSER (°C)									
	-5		0		7		12		15	
	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI
DB										
15	80.44	26.45	105.13	28.79	127.40	31.70	130.31	34.04	138.95	35.56
17	78.26	27.58	101.41	30.02	121.90	33.07	126.50	35.54	134.87	37.10
19	76.08	28.70	97.69	31.26	116.40	34.43	122.69	37.03	130.78	38.64
20	73.90	29.83	93.98	32.49	110.90	35.80	118.88	38.52	126.69	40.18
23	71.72	30.95	90.26	33.73	105.40	37.17	115.08	40.01	122.61	41.72
25	69.54	32.08	86.54	34.96	99.90	38.53	111.27	41.51	118.52	43.26
27	67.36	33.21	82.83	36.19	94.40	39.90	107.46	43.00	114.43	44.81

LXSRT-400S0M3HP

Performance Data										
TEMPERATURE OF AIR ENTERING EVAPORATOR (°C)	TEMPERATURE OF AIR ENTERING CONDENSER (°C)									
	-5		0		7		12		15	
	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI
DB										
15	89.37	29.40	116.79	32.01	141.53	35.24	144.77	37.85	154.36	39.53
17	86.94	30.66	112.66	33.38	135.42	36.76	140.53	39.51	149.82	41.24
19	84.52	31.91	108.53	34.75	129.31	38.28	136.30	41.17	145.28	42.96
20	82.10	33.16	104.40	36.12	123.20	39.80	132.07	42.82	140.74	44.67
23	79.68	34.41	100.27	37.49	117.09	41.32	127.84	44.48	136.20	46.39
25	77.26	35.67	96.14	38.87	110.98	42.84	123.61	46.14	131.66	48.10
27	74.83	36.92	92.01	40.24	104.87	44.36	119.38	47.80	127.12	49.81

LXSRT-420S0M3HP

Performance Data										
TEMPERATURE OF AIR ENTERING EVAPORATOR (°C)	TEMPERATURE OF AIR ENTERING CONDENSER (°C)									
	-5		0		7		12		15	
	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI
DB										
15	94.15	31.03	123.04	33.78	149.11	37.19	152.52	39.94	162.63	41.72
17	91.60	32.35	118.69	35.22	142.68	38.79	148.06	41.69	157.85	43.52
19	89.05	33.67	114.34	36.67	136.24	40.40	143.60	43.44	153.07	45.33
20	86.50	34.99	109.99	38.12	129.80	42.00	139.15	45.19	148.28	47.14
23	83.95	36.32	105.64	39.57	123.36	43.60	134.69	46.94	143.50	48.95
25	81.40	37.64	101.29	41.01	116.92	45.21	130.23	48.69	138.72	50.76
27	78.84	38.96	96.94	42.46	110.49	46.81	125.77	50.45	133.93	52.57

Notes.

- 1. TOT.CAP. : Total Capacity (kW)
- 2. SENS. CAP. : Sensible Capacity (kW)
- 3. PI : Power input (kW)
- 4. DB : Dry Bulb Temperature (°C)
- 5. WB : Wet Bulb Temperature (°C)

Heating H1
EVAP.: 20°C DB / 15°C WB
COND.: 7°C DB / 6°C WB

Heating

Engineering Data – R410A Model (Heating)

LXSRT-480S0M3HP

Performance Data										
TEMPERATURE OF AIR ENTERING EVAPORATOR (°C)	TEMPERATURE OF AIR ENTERING CONDENSER (°C)									
	-5		0		7		12		15	
	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI
DB										
15	107.94	35.54	141.05	38.68	170.94	42.59	174.85	45.74	186.44	47.77
17	105.01	37.05	136.07	40.34	163.56	44.43	169.74	47.74	180.96	49.85
19	102.09	38.56	131.08	42.00	156.18	46.26	164.62	49.75	175.47	51.92
20	99.16	40.08	126.09	43.66	148.80	48.10	159.51	51.76	169.99	53.99
23	96.24	41.59	121.11	45.31	141.42	49.94	154.40	53.76	164.51	56.06
25	93.31	43.10	116.12	46.97	134.04	51.77	149.29	55.77	159.02	58.13
27	90.38	44.62	111.13	48.63	126.66	53.61	144.18	57.77	153.54	60.20

LXSRT-540S0M3HP

Performance Data										
TEMPERATURE OF AIR ENTERING EVAPORATOR (°C)	TEMPERATURE OF AIR ENTERING CONDENSER (°C)									
	-5		0		7		12		15	
	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI
DB										
15	120.70	39.90	157.74	43.43	191.16	47.81	195.53	51.35	208.49	53.63
17	117.43	41.59	152.16	45.29	182.91	49.88	189.81	53.60	202.36	55.96
19	114.16	43.29	146.58	47.15	174.65	51.94	184.10	55.85	196.23	58.28
20	110.89	44.99	141.01	49.01	166.40	54.00	178.38	58.10	190.10	60.61
23	107.62	46.69	135.43	50.87	158.15	56.06	172.67	60.36	183.96	62.93
25	104.35	48.39	129.85	52.73	149.89	58.12	166.95	62.61	177.83	65.26
27	101.08	50.09	124.28	54.59	141.64	60.19	161.23	64.86	171.70	67.58

LXSRT-600S0M3HP

Performance Data										
TEMPERATURE OF AIR ENTERING EVAPORATOR (°C)	TEMPERATURE OF AIR ENTERING CONDENSER (°C)									
	-5		0		7		12		15	
	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI	TOT.CAP.	PI
DB										
15	134.05	44.48	175.18	48.41	212.30	53.30	217.15	57.25	231.55	59.79
17	130.42	46.37	168.99	50.49	203.13	55.60	210.80	59.76	224.74	62.38
19	126.78	48.26	162.79	52.56	193.97	57.90	204.45	62.27	217.93	64.98
20	123.15	50.16	156.60	54.64	184.80	60.20	198.11	64.78	211.12	67.57
23	119.52	52.05	150.41	56.71	175.63	62.50	191.76	67.29	204.31	70.16
25	115.88	53.95	144.21	58.79	166.47	64.80	185.41	69.80	197.50	72.75
27	112.25	55.84	138.02	60.86	157.30	67.10	179.06	72.31	190.69	75.34

Notes.

- 1. TOT.CAP. : Total Capacity (kW)
- 2. SENS. CAP. : Sensible Capacity (kW)
- 3. PI : Power input (kW)
- 4. DB : Dry Bulb Temperature (°C)
- 5. WB : Wet Bulb Temperature (°C)

Heating H1	
EVAP.:	20°C DB / 15°C WB
COND.:	7°C DB / 6°C WB

Heating

Engineering Data – R410A Model (Heating)

LXSRT-680S0M3HP

Performance Data										
TEMPERATURE OF AIR ENTERING EVAPORATOR (°C)	TEMPERATURE OF AIR ENTERING CONDENSER (°C)									
	-5		0		7		12		15	
	TOT. CAP.	PI	TOT. CAP.	PI	TOT. CAP.	PI	TOT. CAP.	PI	TOT. CAP.	PI
DB										
15	152.47	50.98	199.26	55.49	241.48	61.10	246.99	65.61	263.37	68.53
17	148.34	53.15	192.21	57.87	231.05	63.73	239.77	68.49	255.62	71.50
19	144.21	55.32	185.17	60.25	220.63	66.37	232.55	71.37	247.88	74.47
20	140.08	57.49	178.12	62.62	210.20	69.00	225.33	74.24	240.13	77.45
23	135.95	59.66	171.08	65.00	199.77	71.63	218.11	77.12	232.39	80.42
25	131.81	61.83	164.03	67.38	189.35	74.27	210.89	80.00	224.64	83.39
27	127.68	64.00	156.99	69.76	178.92	76.90	203.68	82.87	216.89	86.36

Notes.

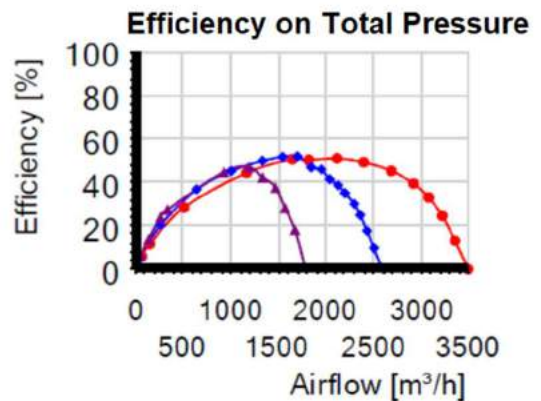
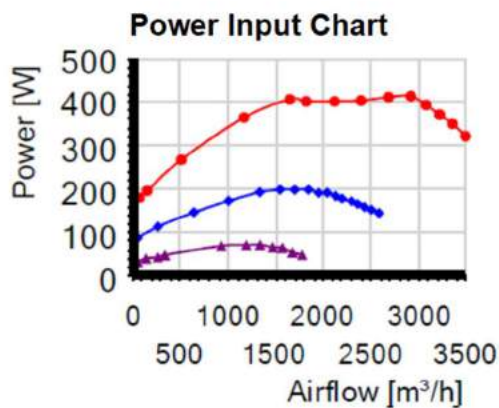
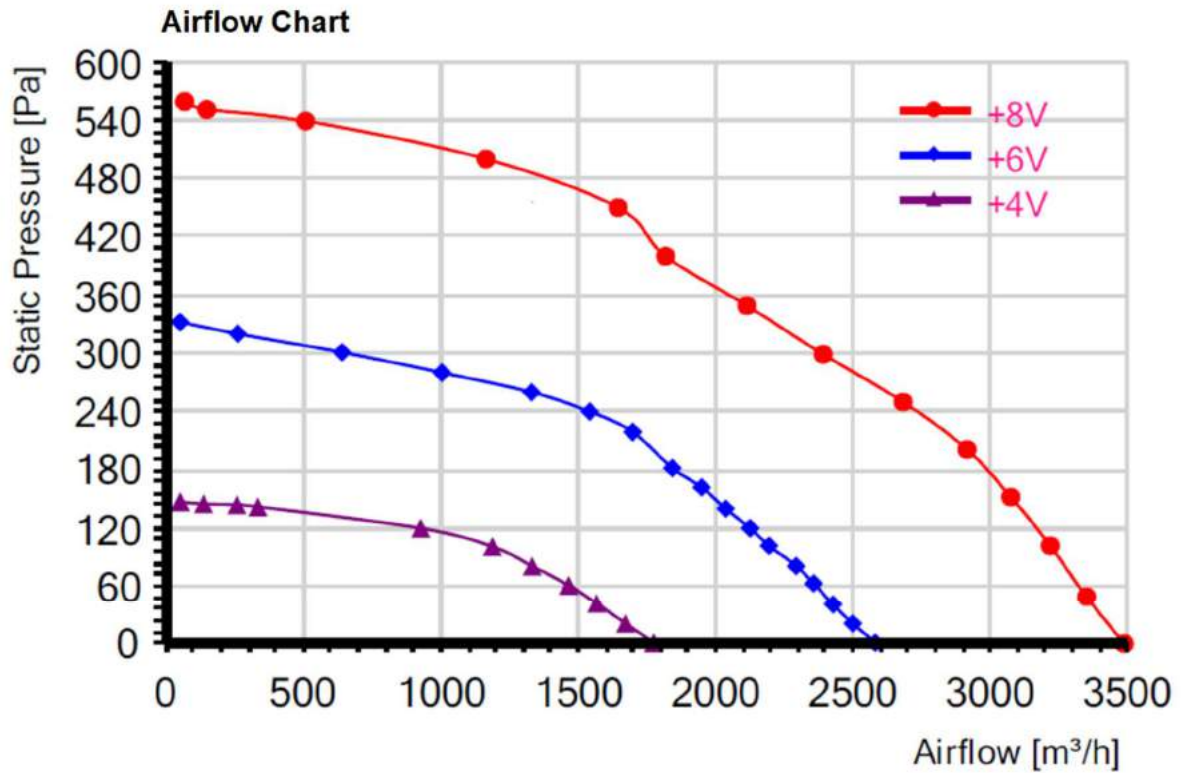
- 1. TOT. CAP. : Total Capacity (kW)
- 2. SENS. CAP. : Sensible Capacity (kW)
- 3. PI : Power input (kW)
- 4. DB : Dry Bulb Temperature (°C)
- 5. WB : Wet Bulb Temperature (°C)

Heating H1
EVAP.: 20°C DB / 15°C WB
COND.: 7°C DB / 6°C WB

Fan Curve

Model : LXSRT-52S0M3C to LXSRT-60S0M3C

LXSRT-52S0M3HP to LXSRT-60S0M3HP

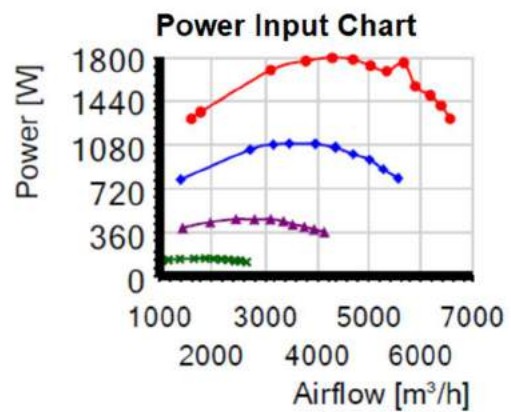
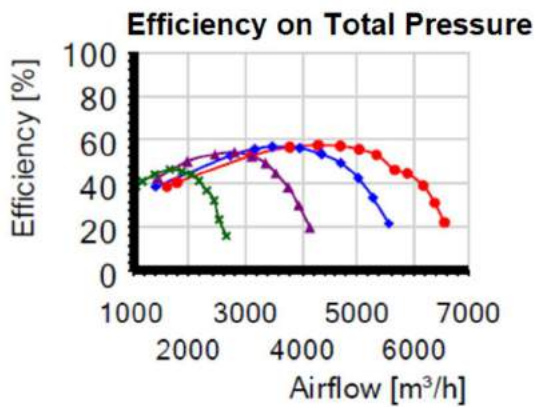
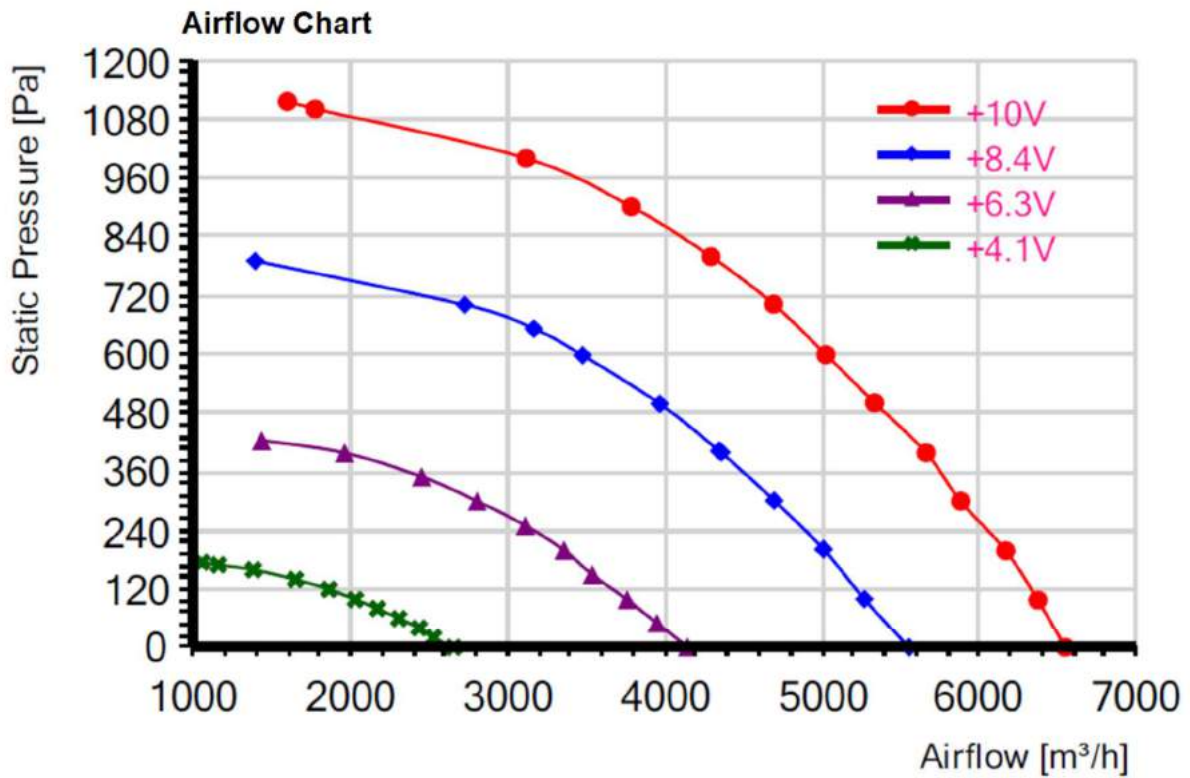


1. Pa: Pascal
2. CFM: Cubic Feet per Meter
3. The specification are subject to change without prior notice.

Fan Curve

Model : LXSRT-80S0M3C to LXSRT-120S0M3C

LXSRT-80S0M3HP to LXSRT-120S0M3HP

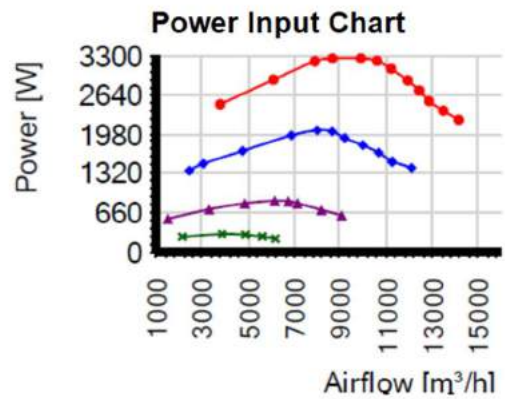
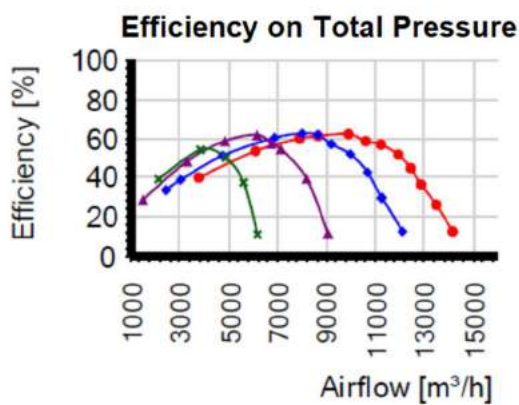
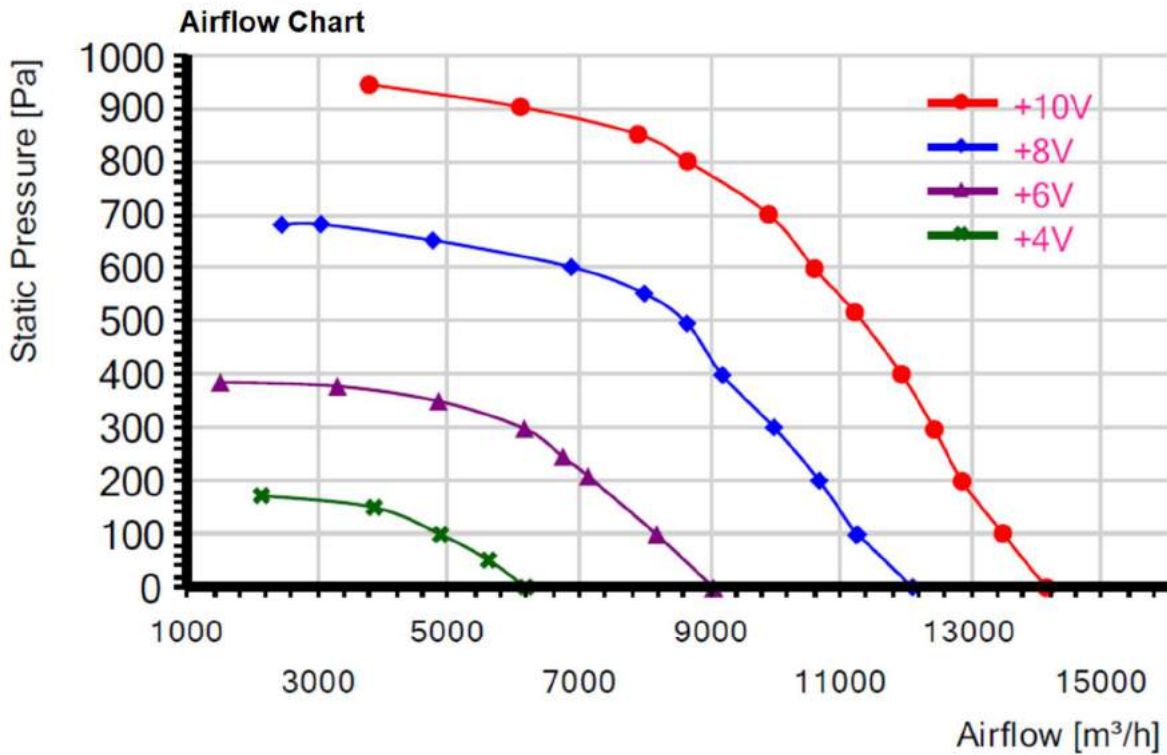


1. Pa: Pascal
2. CFM: Cubic Feet per Meter
3. The specification are subject to change without prior notice.

Fan Curve

Model : LXSRT-150S0M3C to LXSRT-240S0M3C

LXSRT-150S0M3HP to LXSRT-240S0M3HP

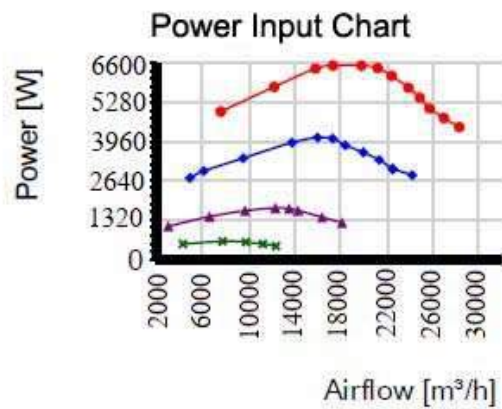
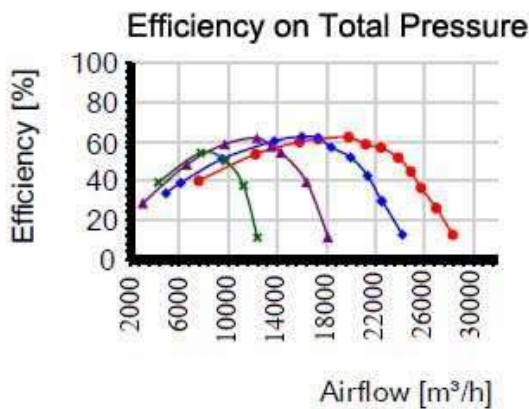
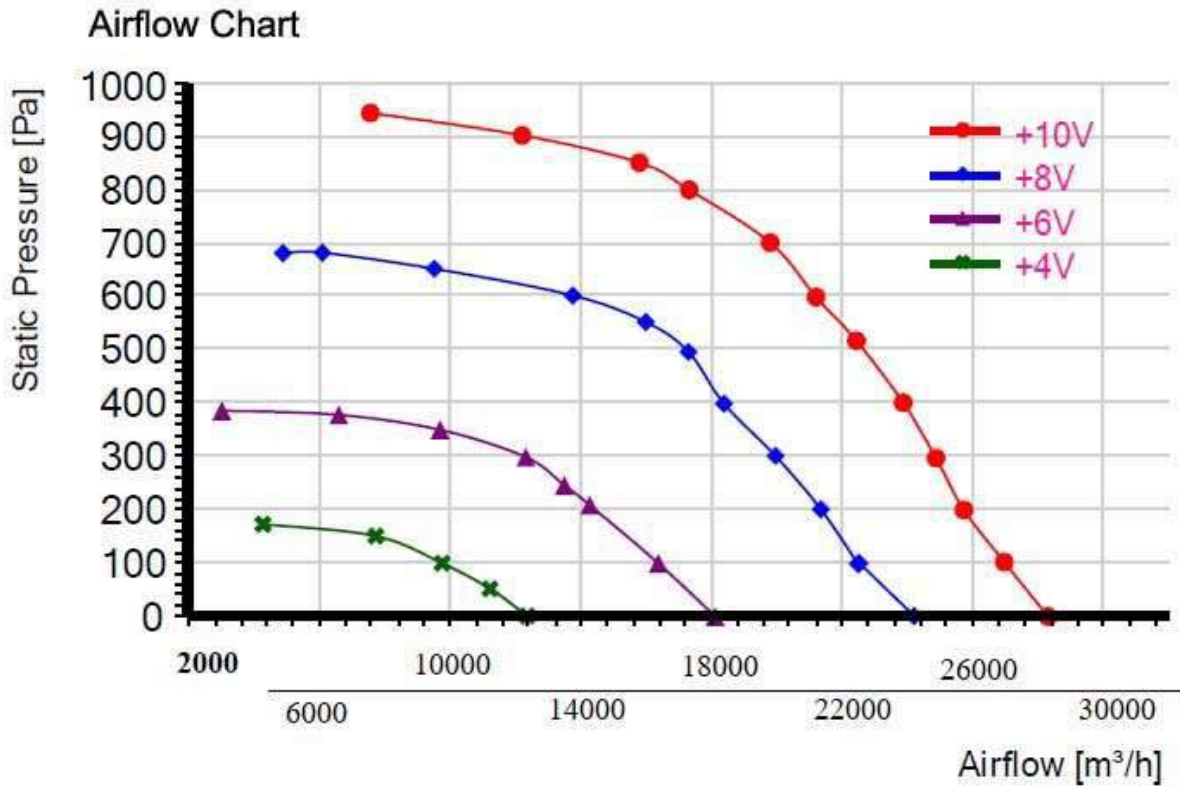


1. Pa: Pascal
2. CFM: Cubic Feet per Meter
3. The specification are subject to change without prior notice.

Fan Curve

Model : LXSRT-300S0M3C to LXSRT-480S0M3C

LXSRT-300S0M3HP to LXSRT-480S0M3HP

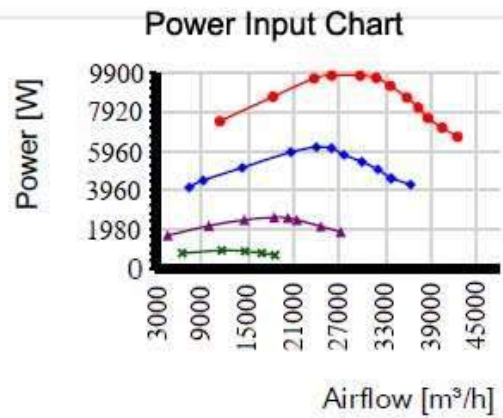
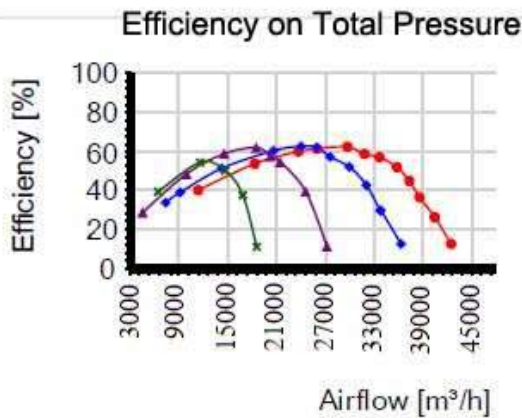
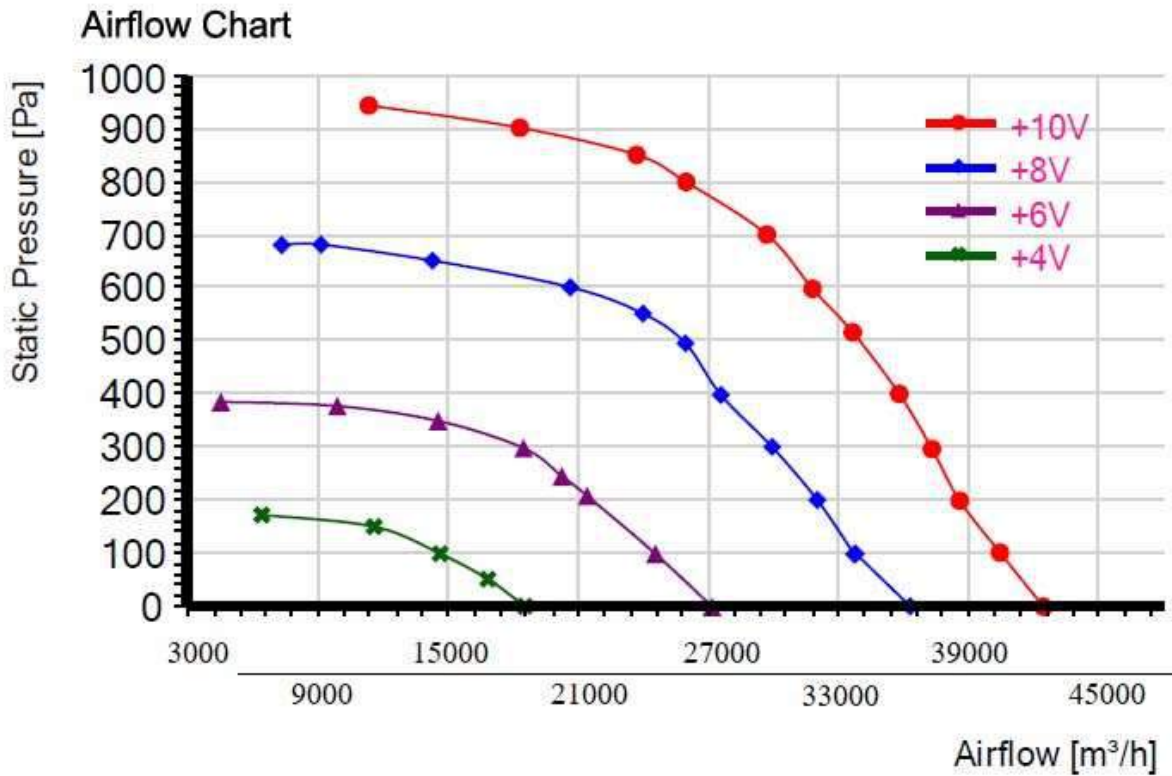


1. Pa: Pascal
2. CFM: Cubic Feet per Meter
3. The specification are subject to change without prior notice.

Fan Curve

Model : LXSRT-540S0M3C to LXSRT-680S0M3C

LXSRT-540S0M3HP to LXSRT-680S0M3HP

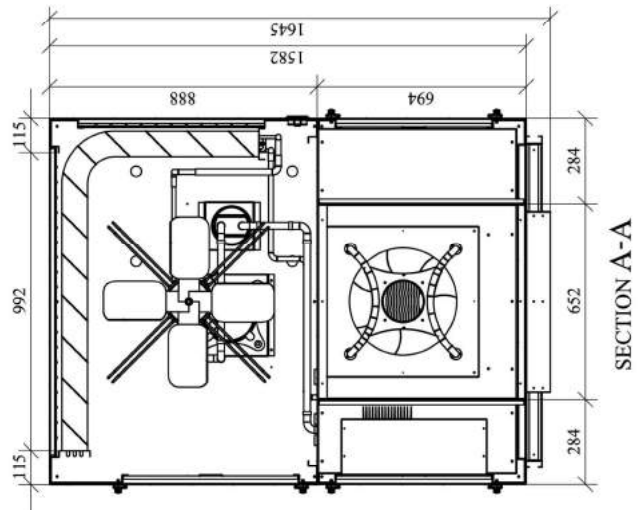
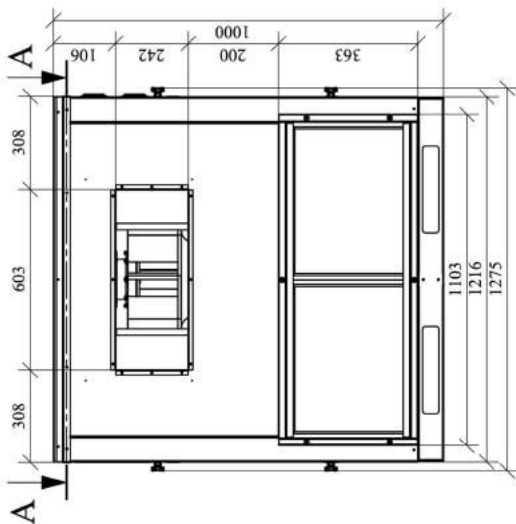
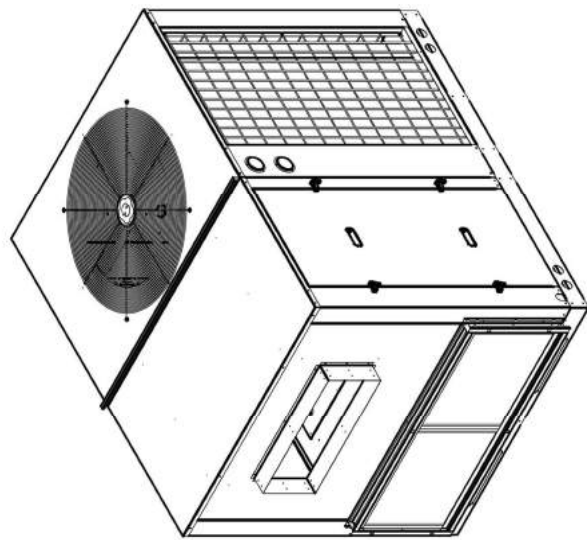
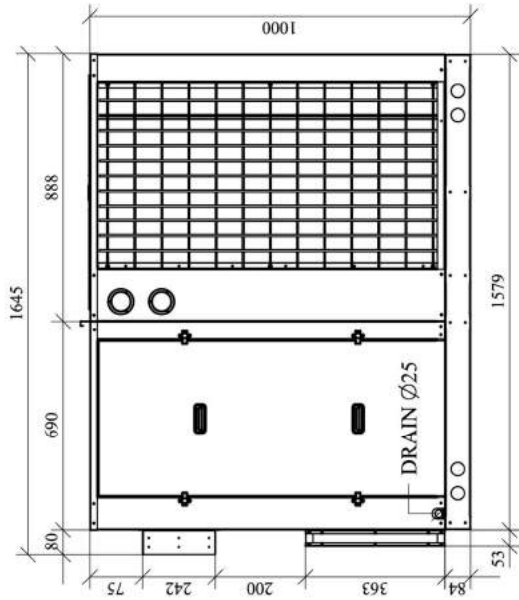


1. Pa: Pascal
2. CFM: Cubic Feet per Meter
3. The specification are subject to change without prior notice.

Dimension

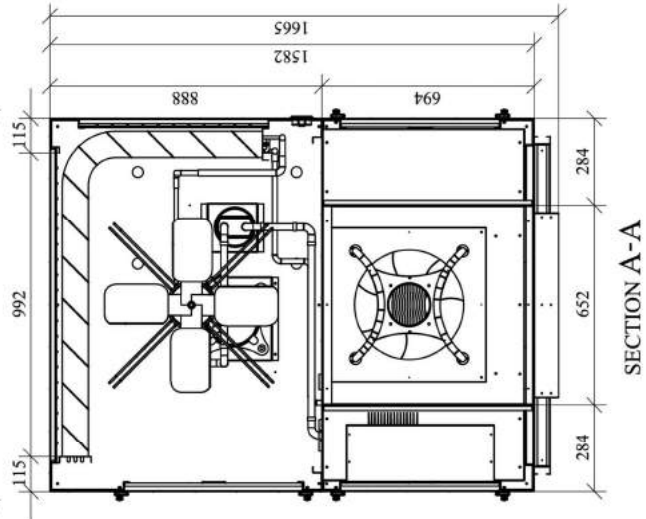
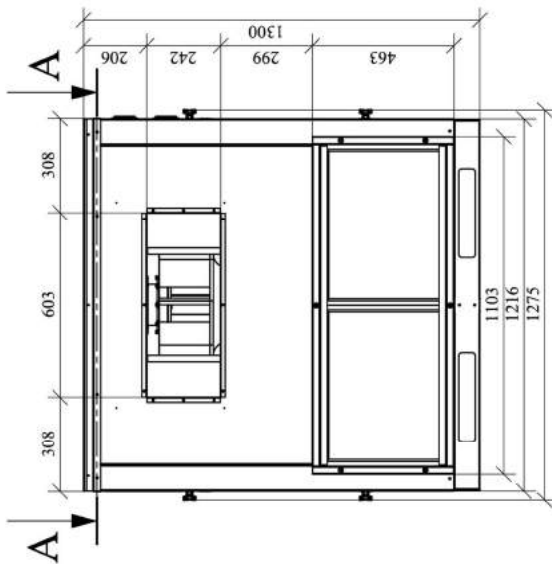
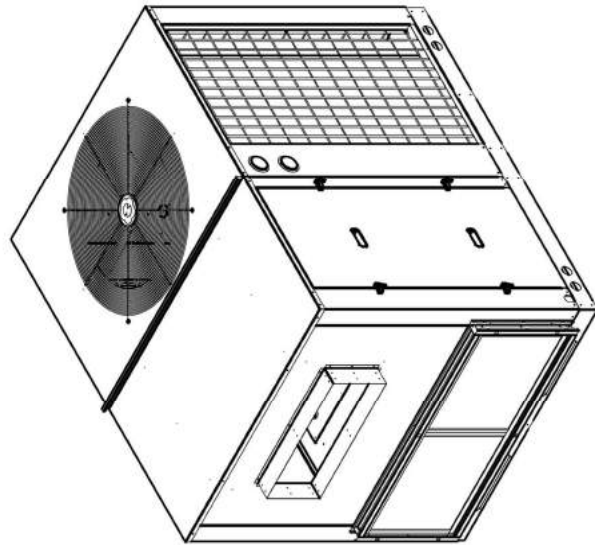
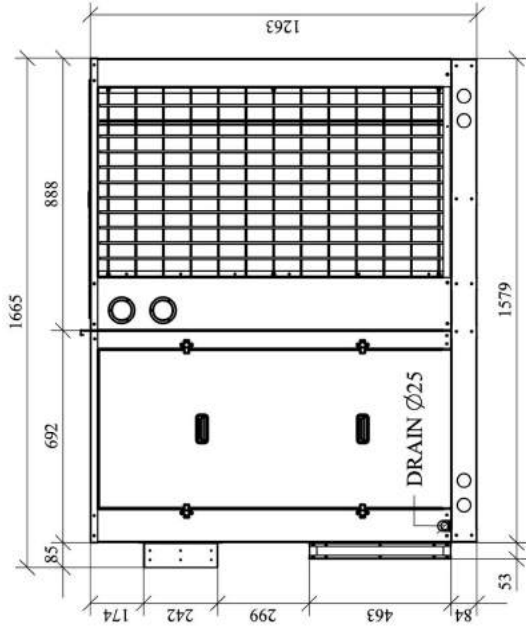
Unit Dimension

Model : LXSRT-52S0M3C, LXSRT-60S0M3C
 LXSRT-52S0M3HP, LXSRT-60S0M3HP



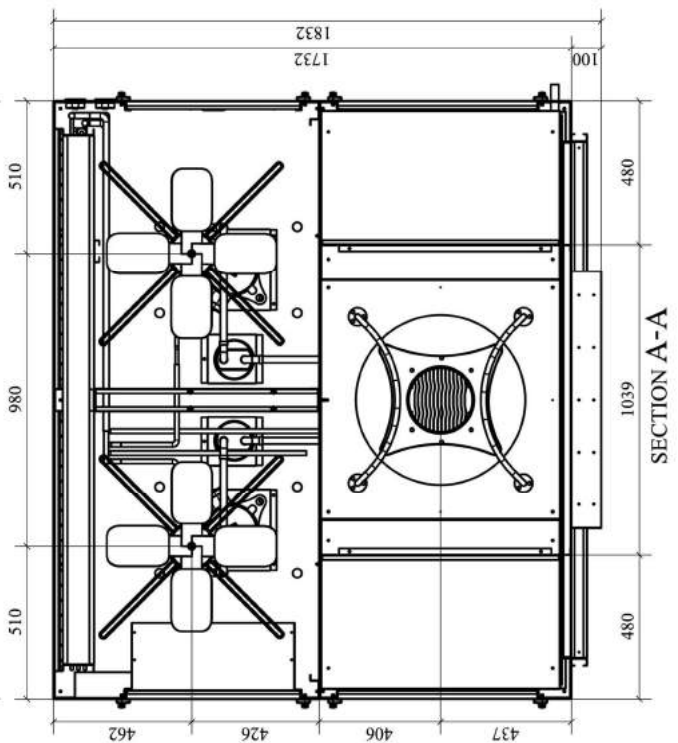
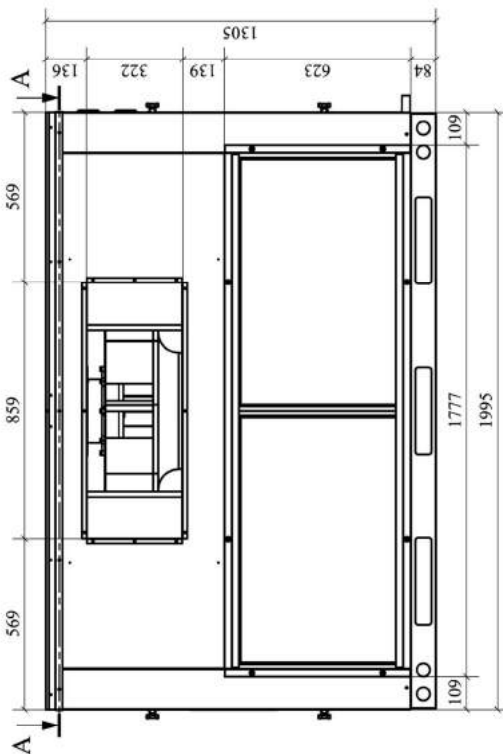
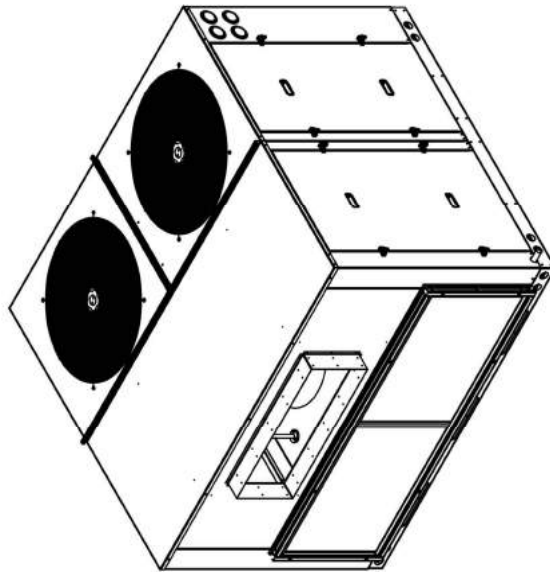
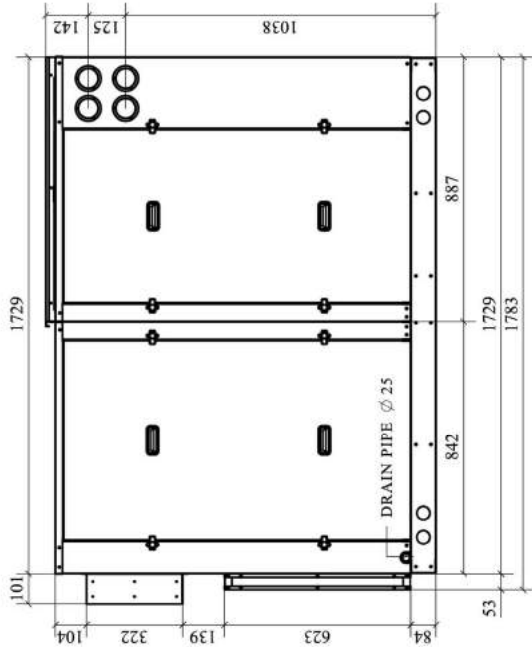
Unit Dimension

Model : LXSRT-80S0M3C, LXSRT-90S0M3C, LXSRT-120S0M3C
 LXSRT-80S0M3HP, LXSRT-90S0M3HP, LXSRT-120S0M3HP



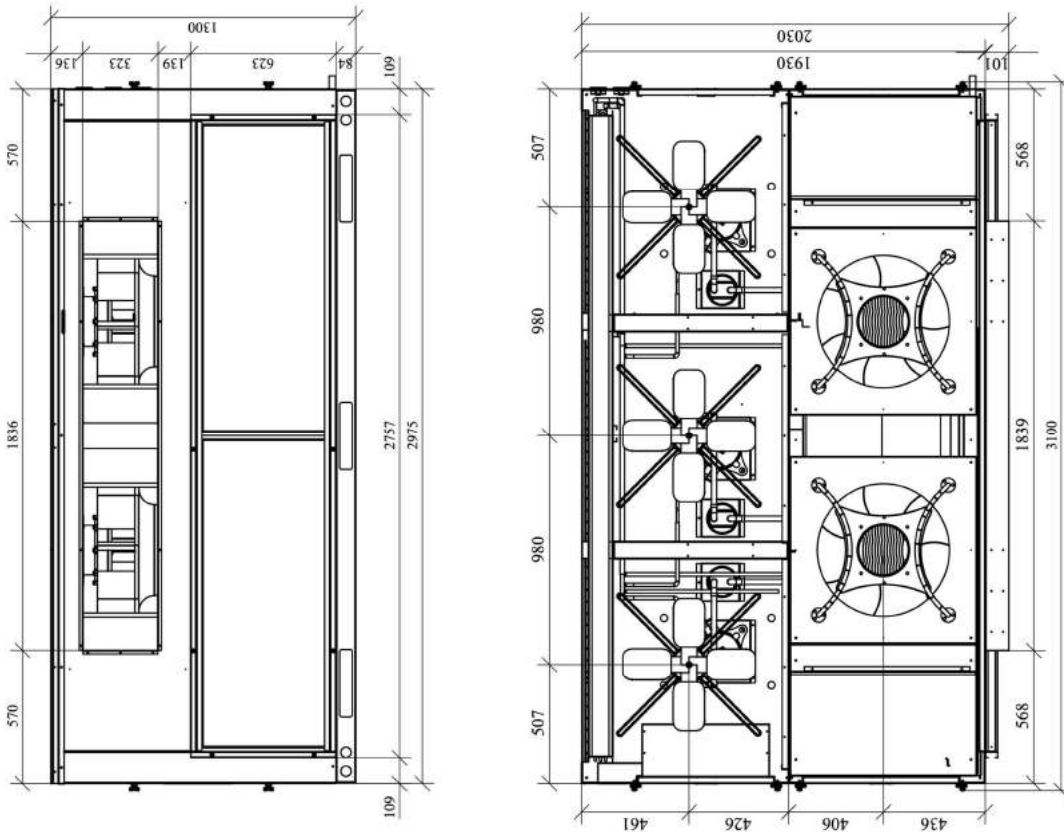
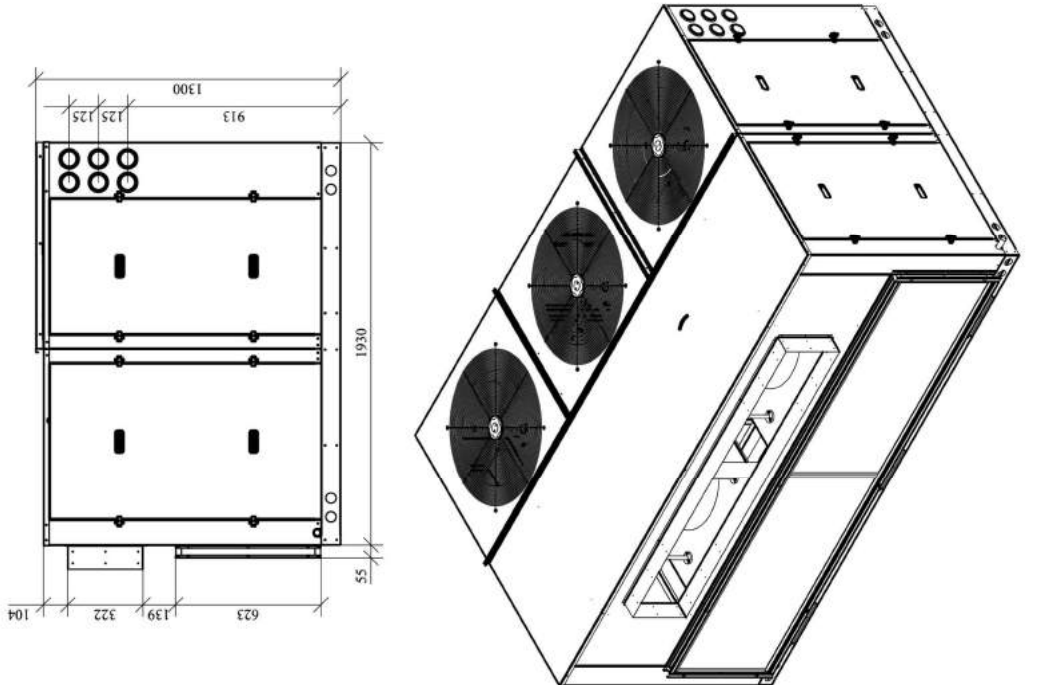
Unit Dimension

Model : LXSRT-150S0M3C, LXSRT-180S0M3C, LXSRT-240S0M3C
 LXSRT-150S0M3HP, LXSRT-180S0M3HP, LXSRT-240S0M3HP



Unit Dimension

Model : LXSRT-300S0M3C, LXSRT-360S0M3C
 LXSRT-300S0M3HP, LXSRT-360S0M3HP

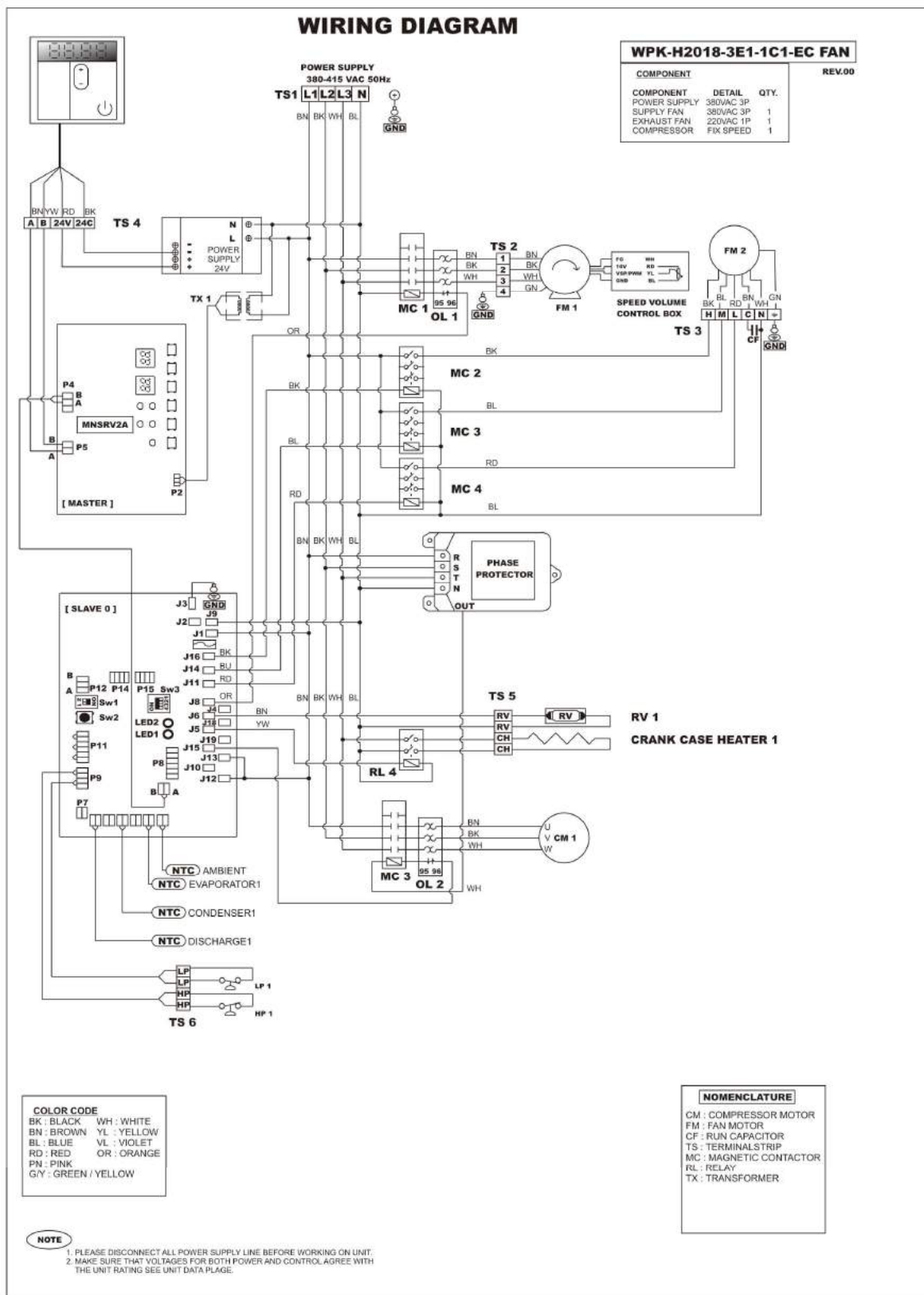


Wiring Diagram

Wiring Diagram

Model : LXSRT-52S0M3C to LXSRT-120S0M3C

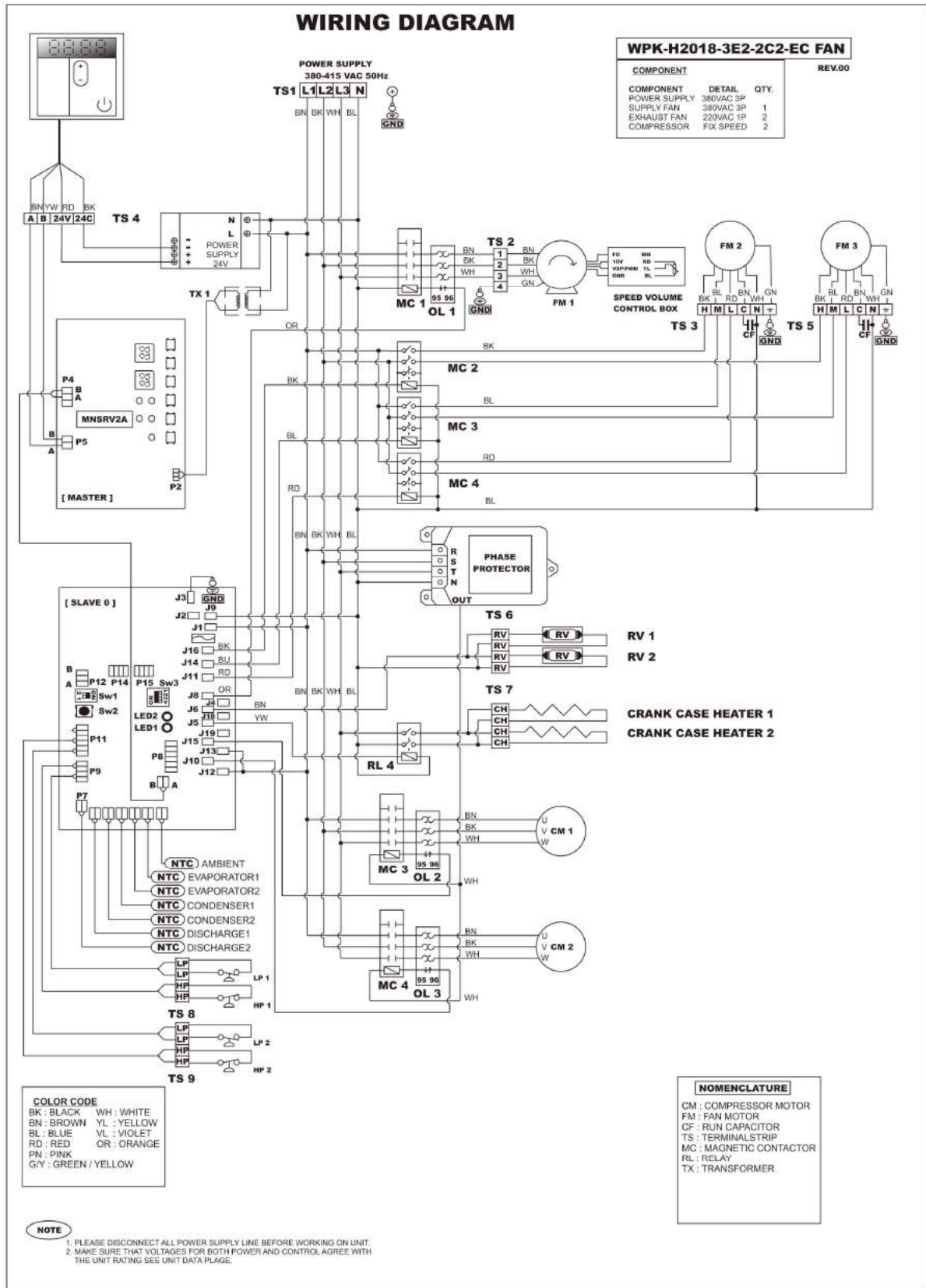
LXSRT-52S0M3HP to LXSRT-120S0M3HP



Wiring Diagram

Model : LXSRT-150S0M3C to LXSRT-240S0M3C

LXSRT-150S0M3HP to LXSRT-240S0M3HP

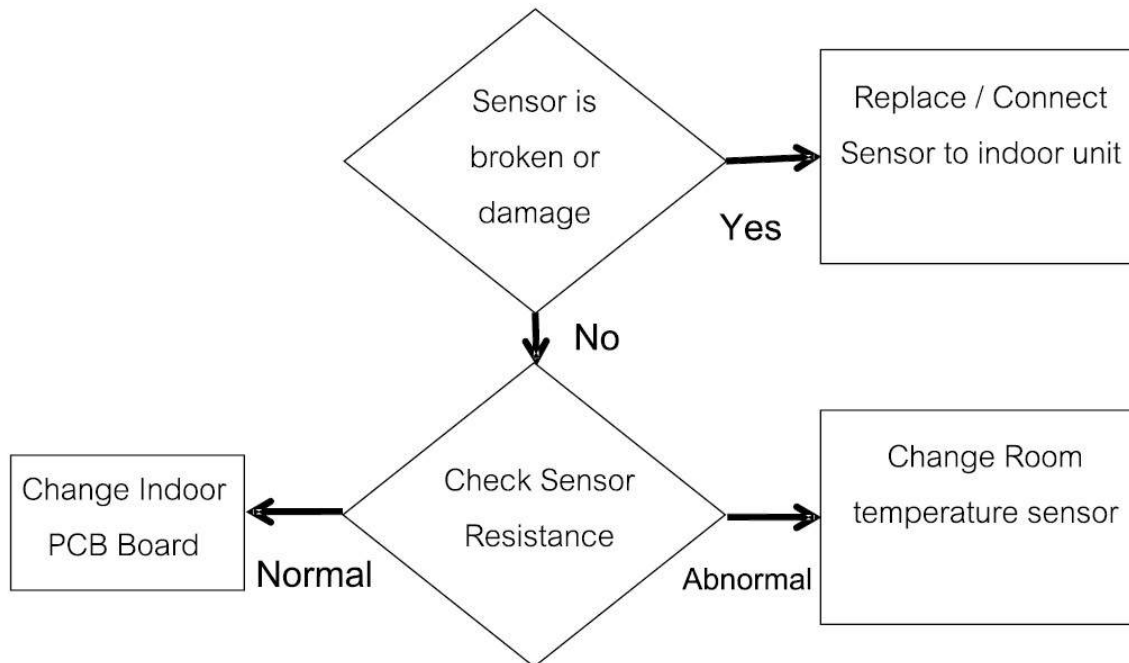


Error Code

DETAIL	ERROR CODE
AMBIENT TEMPERATURE SENSOR FAIL	13
EVAPORATOR 1 TEMPERATURE SENSOR FAIL	14
EVAPORATOR 2 TEMPERATURE SENSOR FAIL	15
CONDENSER 1 TEMPERATURE SENSOR FAIL	16
CONDENSER 2 TEMPERATURE SENSOR FAIL	17
COMPRESSOR 1 DISCHARGE PIPE TEMPERATURE SENSOR FAIL	18
COMPRESSOR 2 DISCHARGE PIPE TEMPERATURE SENSOR FAIL	19
EVAPORATOR 1 FREEZING	28
EVAPORATOR 2 FREEZING	29
COMPRESSOR 1 DISCHARGE PIPE OVER TEMPERATURE	30
COMPRESSOR 2 DISCHARGE PIPE OVER TEMPERATURE	31
CONDENSER 1 OVER TEMPERATURE	34
CONDENSER 2 OVER TEMPERATURE	35
COMPRESSOR 1 OVER PRESSURE (HIGH PRSSURE SWITCH)	36
COMPRESSOR 1 UNDER PRESSURE (LOW PRESSURE SWITCH)	37
COMPRESSOR 2 OVER PRESSURE (HIGH PRSSURE SWITCH)	38
COMPRESSOR 2 UNDER PRESSURE (LOW PRESSURE SWITCH)	39
REVERSE PHASE PROTECTION	40

Error Code

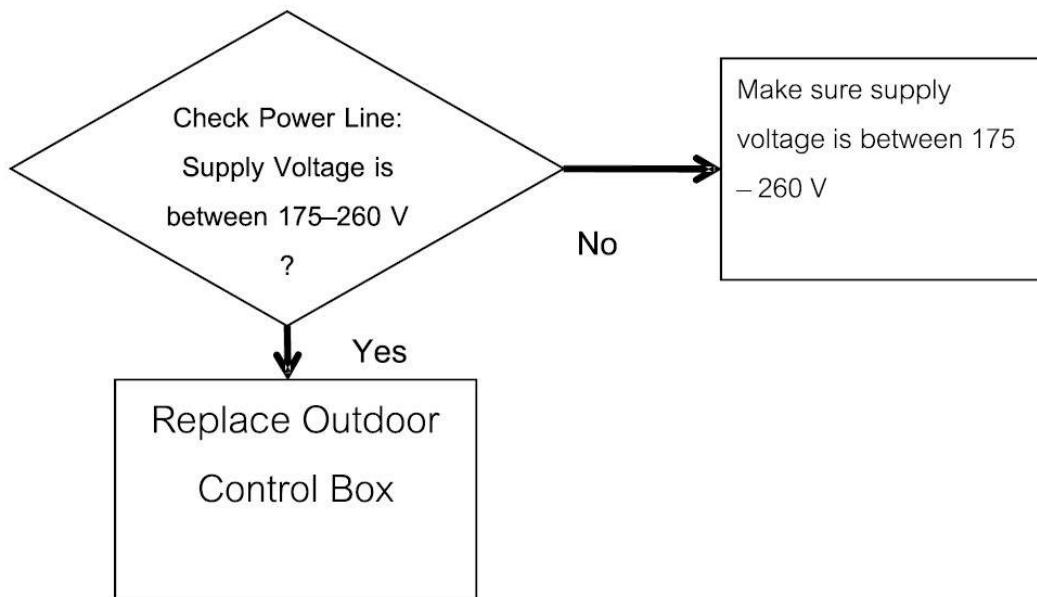
Error 3,4,5,13,14,15: Room Temperature Sensor and all Sensor



Error Code

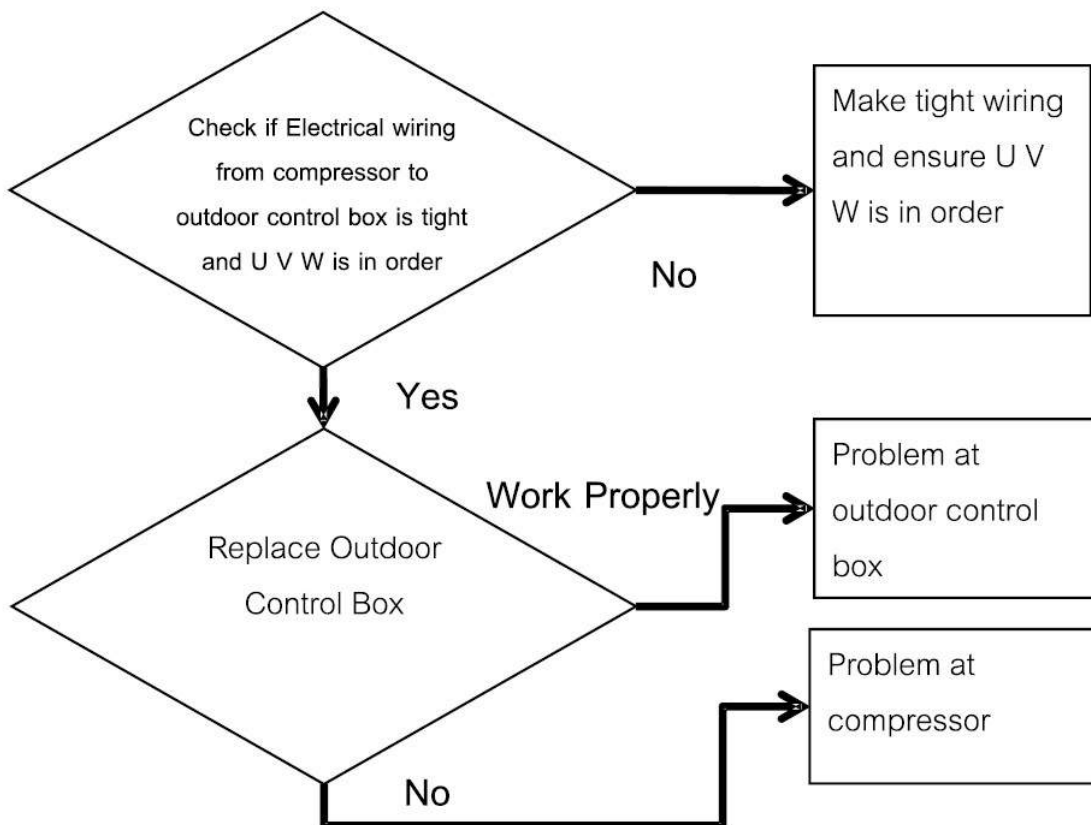
Error 17: Compressor Overload (Cont)

Outdoor PCB detects Overcurrent to compressor



Error 11,18,19: Error in Outdoor control box

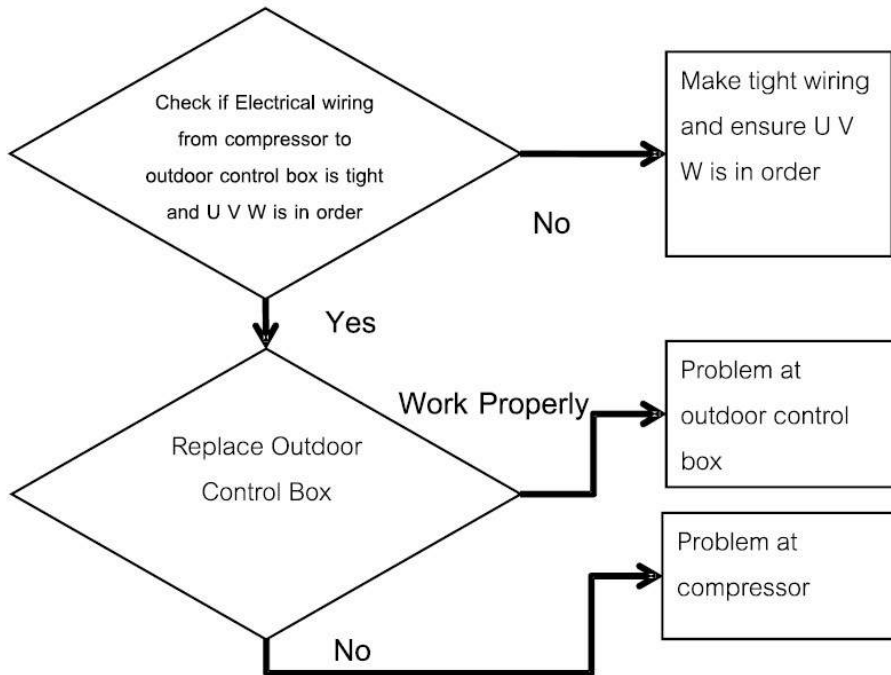
Error in Outdoor Control Box



Error Code

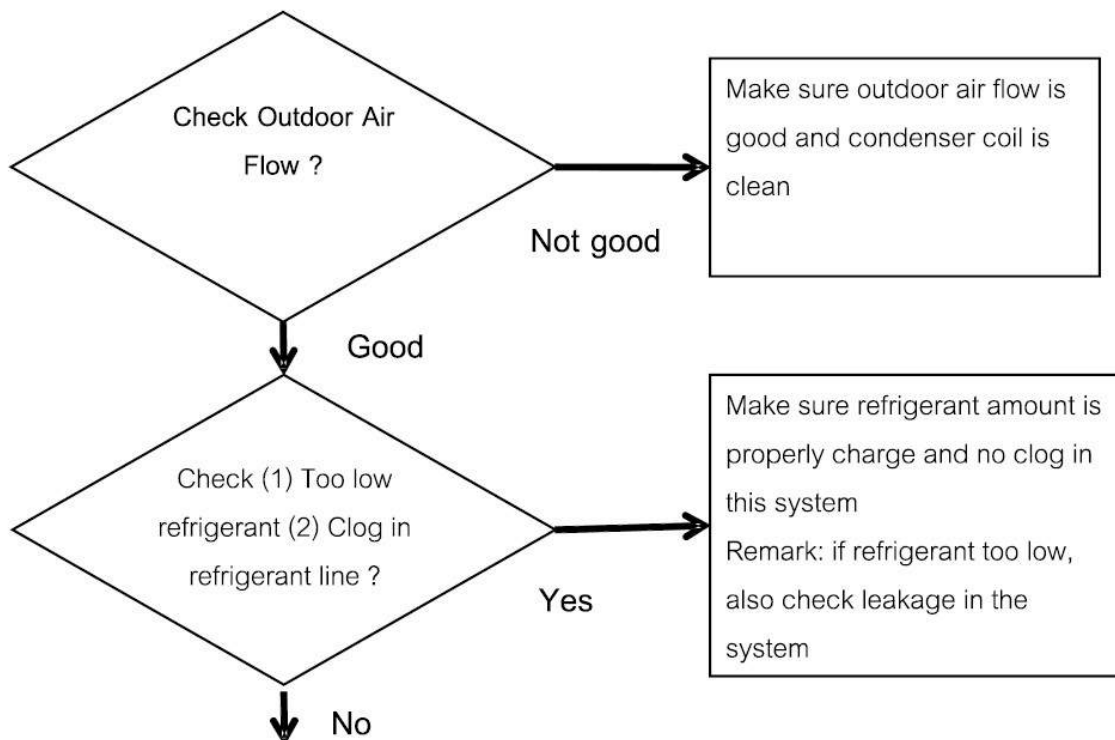
Error 21: Wiring to compressor loosen

Error in Outdoor Control Box



Error 22,31 Discharge Over Temperature

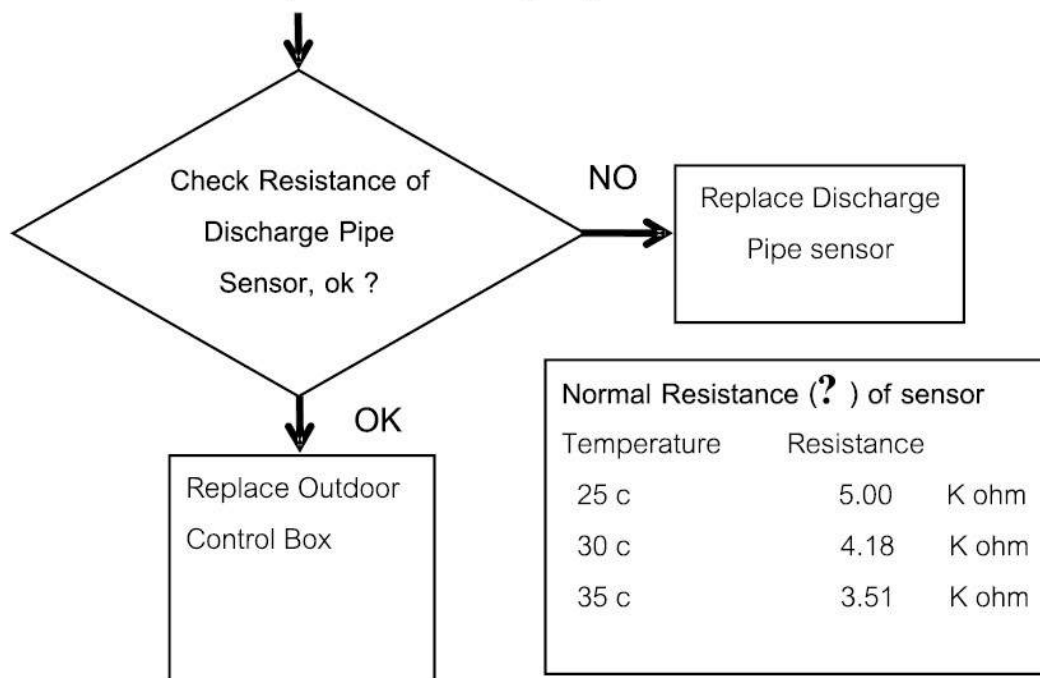
Temperature at Discharge Pipe is more than 100 c



Error Code

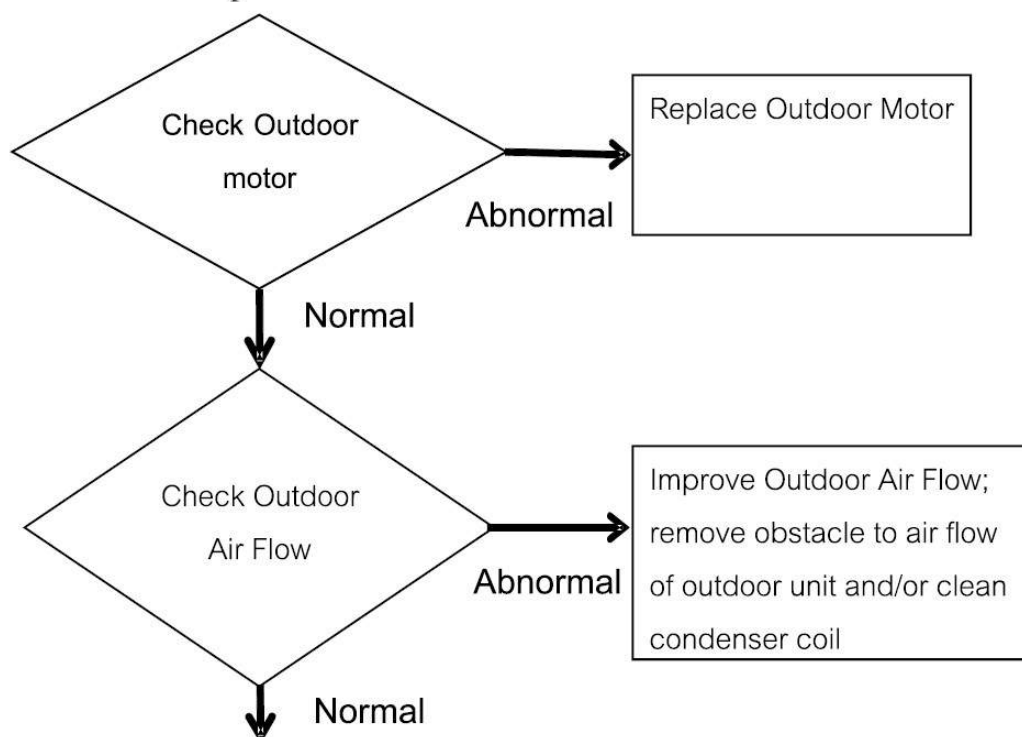
Error 22,31 Discharge Over Temperature

Temperature at Discharge Pipe is more than 100 c



Error 23: Outdoor Mid Coil temperature too high

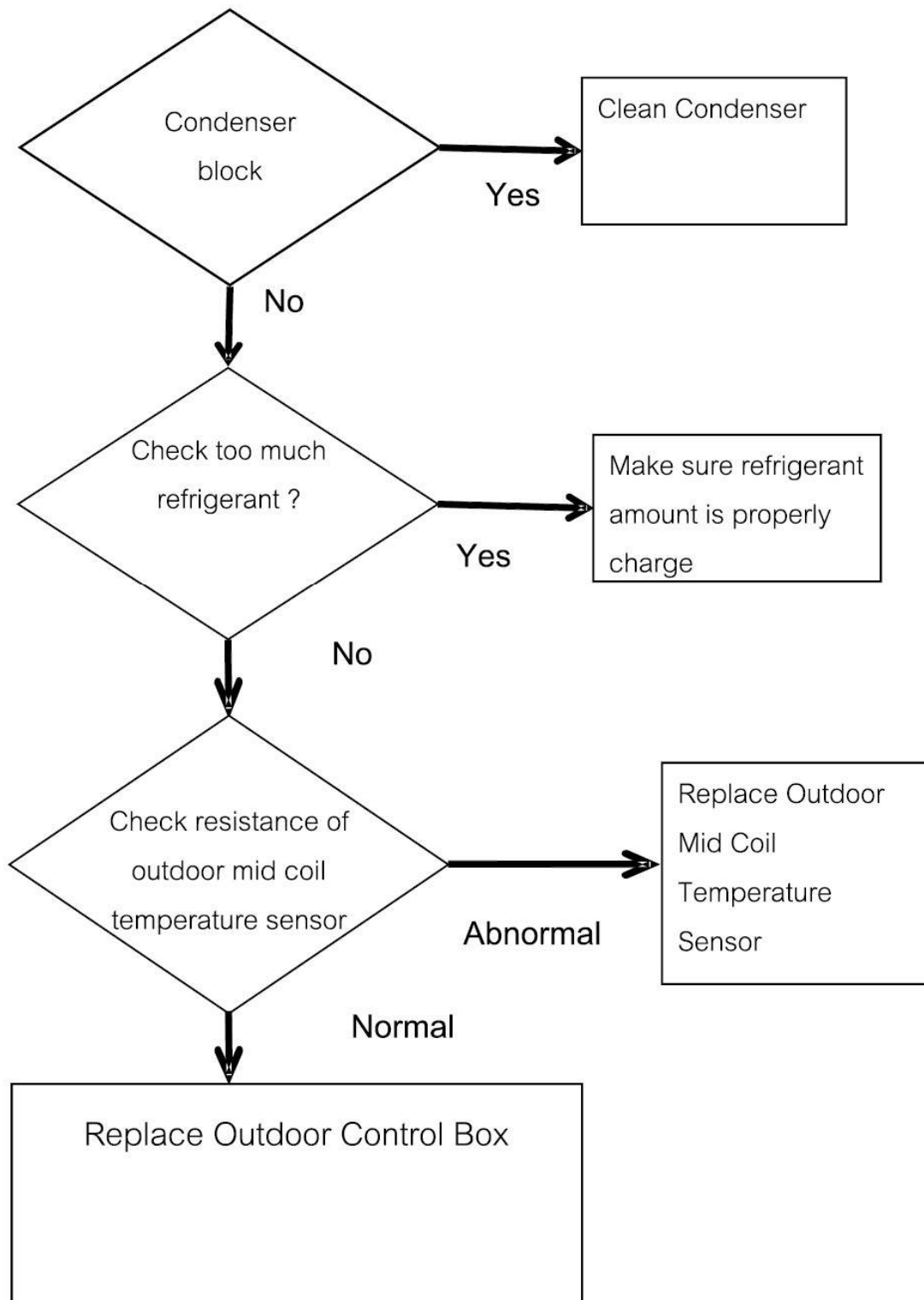
Temperature at Mid Coil Sensor is more than 60 c



Error Code

Error 23: Outdoor Mid Coil temperature too high (Cont.)

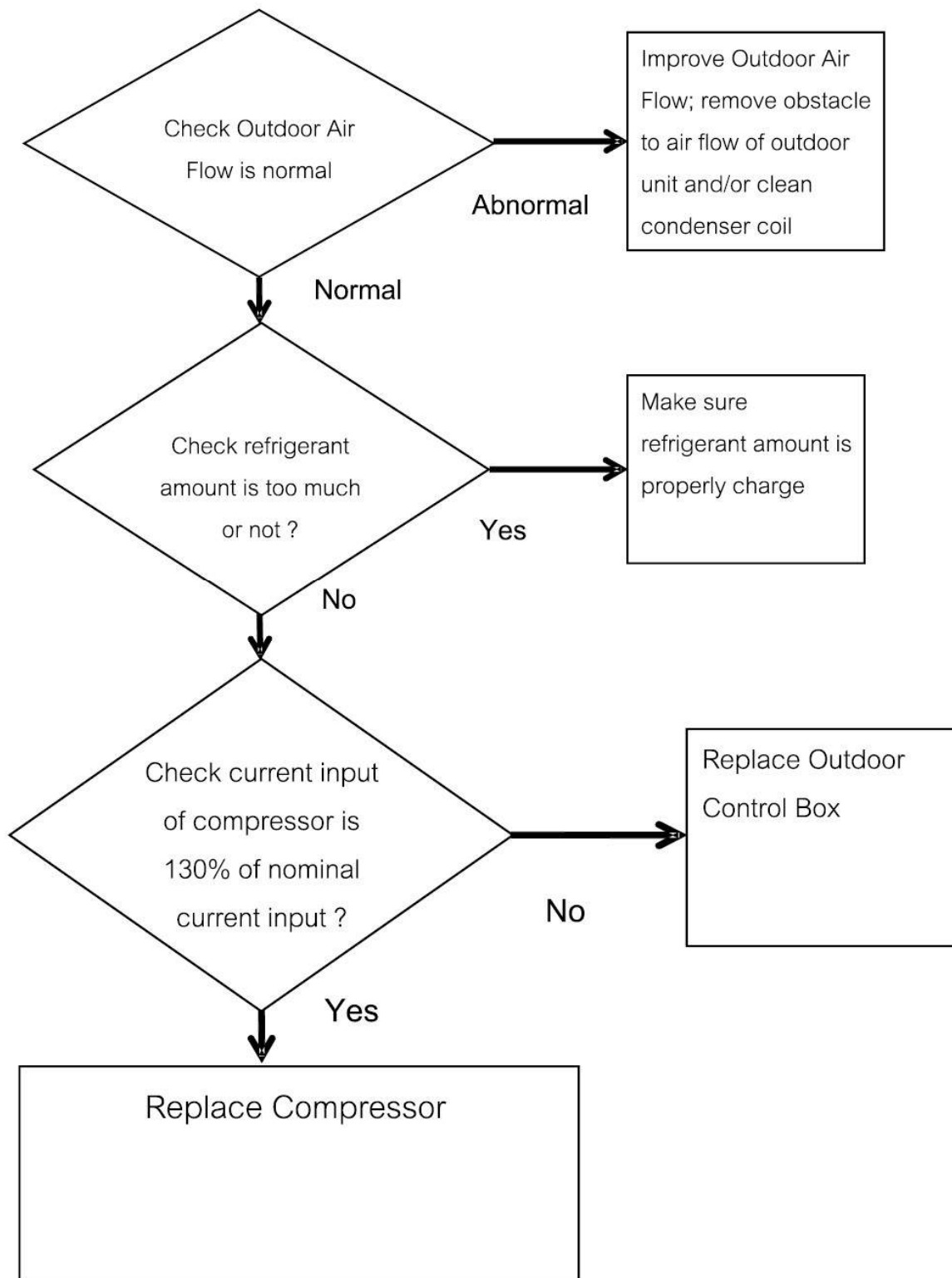
Temperature at Mid Coil Sensor is more than 60 c



Error Code

Error 24: Overcurrent

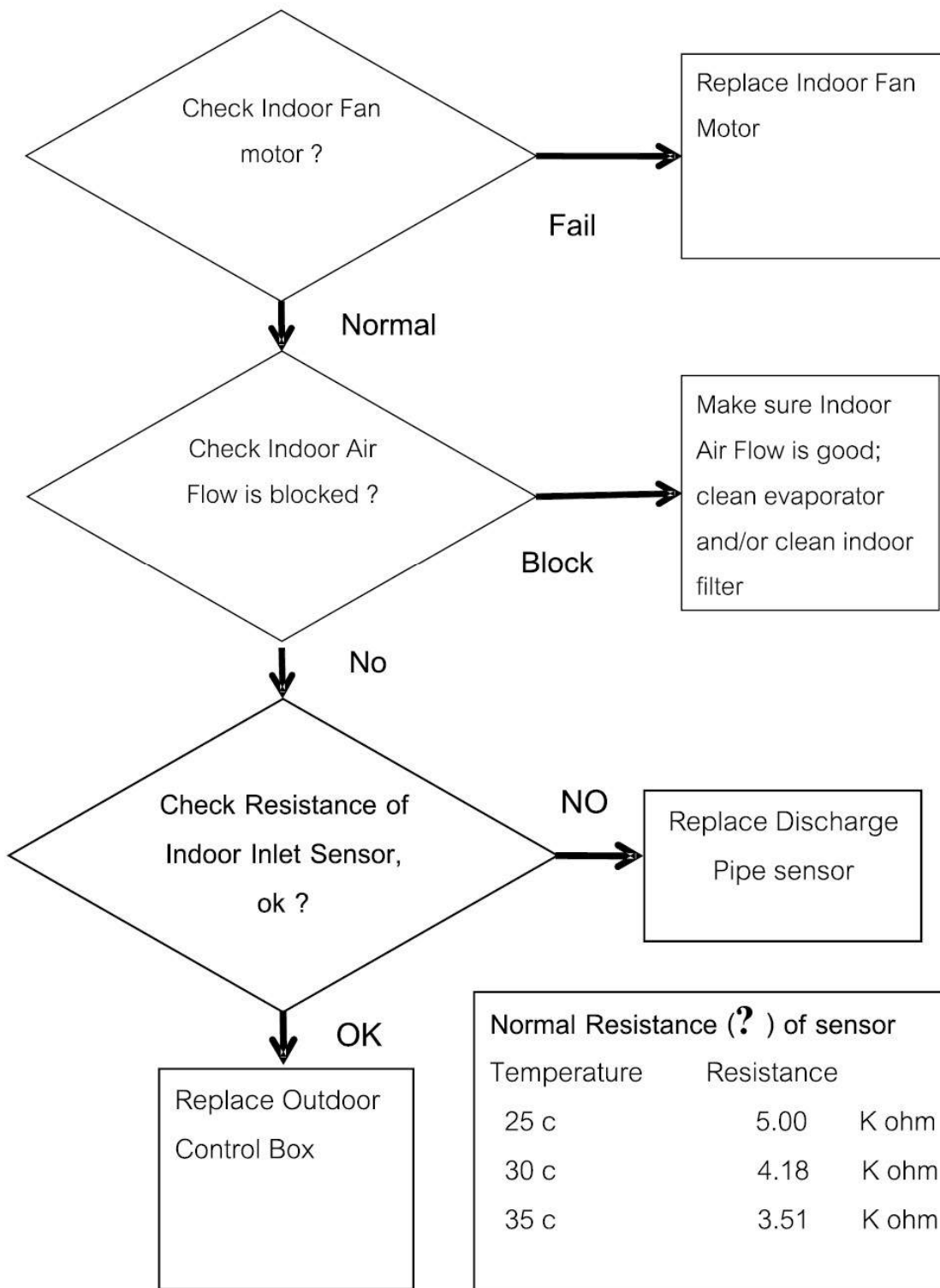
Current is 130% of nominal current input



Error Code

Error 26,27: Indoor Coil Frost

Indoor Inlet Temperature is equal or below 0 c



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