Rooftop Package Unit Catalog

8 kW to 500 kW

CLIMACS

AIR CONDITIONING SYSTEMS

T3 R egion

“Efficiency is possible
with the quality of equipment and service.
Whereas the highest efficiency
depends on your habit of usage”

ACS Klima

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Introduction

Rooftop units are one of the biggest and important production segment of the HVAC industry because of packaged type all-inclusive design, easy of installation, low cost, flexible application.
RTACS series rooftop unit are designed to meet the demands of heating or cooling of places such as cinema, shopping malls, restaurants, markets, e.t.c.

Controlling and conditioning air by the high technology control panel that is standard equipment of rooftop units. Rooftop units can be controlled any place with microprocessor and connect to building management systems.

Available in 27 main and 340 intermediate different models from 8 kw to 500 Kw cooling capacity. RATCS units are designed to operate in a wide ambient temperature range from 5 °C to 56 °C.

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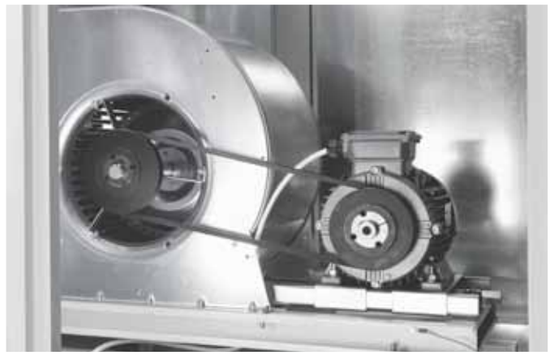
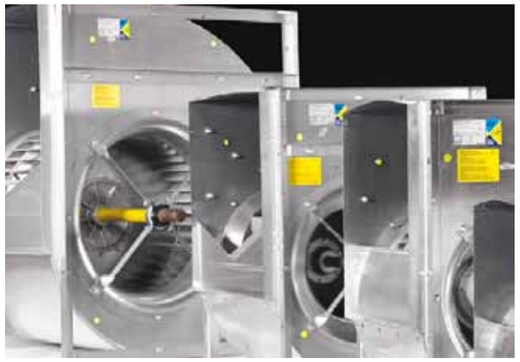
Features and Benefits

• Frame with composed of specially rolled steel profiles.
• Panels with double layer sheets and insulation
(optional polyurethane or rockwool insulation material and insulation thickness)
• Eurovent certified cabinet with 50 mm rockwool insulated panels.
Interior surfaces of the profiles are designed be smooth and free of recess and protrusion.
• The outer surface of the panels is composed of electrostatic painted galvanized sheets.
• Special extruded rubber gaskets with air cushion
used to avoid possible air leakage caused by the pressure difference.





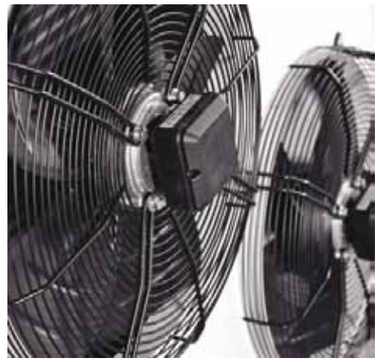
• Made in Italy. NICOTRA-GEBHARDT fans are statically and dynamically balanced.
• For lower unit height, optional tandem fan configuration.
• Single speed. IP55 protection. F insulation. IC411(TEFC). IE2 efficiency class electric motors (optional IE3 high efficiency electric motors)

• The units are equipped with emergency stop button and safety switch will stop the operation in case of the access door is open. efficiency class electric motors (optional IE3 high efficiency electric motors)

• Standardly G-4 panel filter with 48 mm thickness and optional depending on requirements various types of filters like V-type or bag filter can use in the unit.

Features and Benefits

• Evaporator and condenser coils, composed of either copper tube and aluminium fins (optional epoxy coated aluminium fins), tested under pressure 40 bar.
• Coils are installed on the studs arranged in a way to enable easy access and maintenance. Coils are equipped standardly with a stainless steel double sloped drain pan, drainage siphon and a specially formed drop eliminator for condensing water.



• Axial type statically and dynamically balanced, made in EUROPE condenser fans, high efficiency designed, pressed-on round sheet steel plate blades. Protected by steel guard grille fan blades and single speed, IP55 protection, F insulation motor.

• HMade in Europe. High efficiency scroll compressors with reduced noise and vibration and selected according to cooling capacity air flow requirements of area.
• Independent cooling circuits for bigger then 25 kw cooling capacity.
• Equipments of each cooling circuits including; expansion valve, receiver, solenoid valve, dryer, liquid valve, refrigerant filter, high and low pressure switches.
• Charged with R407C refrigerant.
• All copper pipes are painted after bending and welding to being cleaned for protected from external conditions.

Features Table

Evaporator Side	S: Standard Features - O: Optional Features	S	O
Casing			
Insulation	30 mm. Polyurethane	○	◉
	50 mm. Rockwool	◉	○
	50 mm. Polyurethane	○	◉
Inner Sheet	Galvanized Steel	◉	○
	304K Stainless Steel	○	◉
	306K Stainless Steel	○	◉
Outer Sheet	Electrostatic Powder Painted Galvanized Steel	◉	○
	304K Stainless Steel	○	◉
	306K Stainless Steel	○	◉
Color	RAL 9002	◉	○
Vibration Isolator	Rubber	◉	○
	Spring	○	◉
Fan Type	Radial Double Inlet	◉	○
	Plug	○	◉
Motor Type	IP 55 TEFC Class F IE2	◉	○
	IP 55 TEFC Class F IE3	○	◉
Motor Speed	Constant	◉	○
	Varriable	○	◉
Filter	Pre Filter EU4 Panel	◉	○
	Bag Filter	○	◉
	Compact Filter	○	◉
Coil	Copper Tubes Aluminium Fins	◉	○
	Copper Tubes Epoxy Coated Aluminium Fins	○	◉

Nomenclature

RTACS 182 27 / 106 2 46 / M - C

- RTACS — Rooftop Packaged Unit
- 182 — Evaporator Side Model
- 27 — Designed DB °C Temperature on DX Coil
- 106 — Condnser Side Model
- 2 — Compressor & Ref. Circuit Qtty.
- 46 — Designed DB °C Ambient Temperature
- M — M - Microprocessor Control; P - PLC Control
- C — C - Constant Speed; V - Variable Speed with VDF; E - Variable Speed with EC Fan

Condenser Side	S: Standard Features - O: Optional Features	S	O
Compressor	Scroll	◉	○
Refrigerant	R407C	◉	○
	R410A	○	◉
Cooling Equipment	High Pressure Switch	◉	○
	Low Pressure Switch	◉	○
	Receiver Tank	◉	○
	Dryer	◉	○
	Selenoid Valve	◉	○
	Sight Glass	◉	○
	Return Gas Filter	◉	○
	Expantion Valve	◉	○
	Liquid Valve	◉	○
Coil	Copper Tubes Aluminium Fins	○	◉
	Copper Tubes Epoxy Coated Aluminium Fins	◉	○
Drain Pan	304K Stainless Steel	◉	○
Fan Type	Axial	◉	○
Motor Type	Direct Drive IP 54 Class F	◉	○
	IP 65 Control Panel Box	◉	○
Electric	Main Circuit Breaker	◉	○
	Start-Up Relay	◉	○
	Compressor Contactor	◉	○
	Condenser Fan Contactor	◉	○
	Compressor Circuit Braker	◉	○
	Condenser Fan Circuit Braker	◉	○
	Phase Protection Relay	◉	○
	Circuit Breakers Relay	◉	○
	Power Supply	◉	○
	Transverse Aux. Switch For Circuits Breakers	◉	○
	Power Plug	◉	○
	Panel Ventilation	◉	○
Automatic Control	Microprocessor	◉	○
	Filter Pressure Switch	◉	○
	Fan Pressure Switch	◉	○
	Inlet Air Temperature	◉	○
	Supply Air Temperature	◉	○
	Fresh Air Temperature	◉	○
	Cond.Fan Differential Pressure Transmitter	◉	○
	Web Interface	○	◉
Accessories	Fan Flexible Connection	◉	○
	Door Safety Switch	◉	○
	Emergency Stop	◉	○
	Bulkhead Light	○	◉
	Observation Window	○	◉
	Drainage Siphon	◉	○

Technical Data Sheets

T3 Region

Manufacturer may change in dimensions on production process regarding to custom made design
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RTACS SERIES		RTACS 7127			RTACS 7227			RTACS 9127		
ACU MODEL		40135	40146	40152	72135	72146	72152	94135	94146	94152
Ambient Temperature	°C	35	46	52	35	46	52	35	46	52
	°F	95	115	126	95	115	126	95	115	126
Air Inlet Temperature DB	°C		27			27			27	
	°F		80.6			80.6			80.6	
Air Inlet Temperature WB	°C		19.5			19.5			19.5	
	°F		67.1			67.1			67.1	
EVAPORATOR SIDE										
Total Cooling Capacity	kw	10	8.58	7.73	17.9	15.5	14.2	24.9	21.5	19.2
	TR	2.85	2.44	2.20	5.09	4.41	4.04	7.08	6.12	5.46
Sensible Cooling Capacity	kw		5.47			9.96			13.86	
			1.56			2.83			3.94	
Air Volume	m^3/h		1.400			2.550			3.550	
	cmf		828			1.509			2.101	
ESP	Pa		220			320			250	
Fan Type			Centrifugal			Centrifugal			Centrifugal	
Motor Power	kw		0.37			0.75			1.10	
Motor Speed	rpm		1500			1500			1500	
Face Velocity	m/s		1.21			1.83			2.29	
CONDENSER SIDE										
Air Volume	m^3/h		4.900			9.000			14.000	
	cmf		2.899			5.325			8.284	
Type			AXIAL			AXIAL			AXIAL	
Quantity	qty		1			1			1	
Total Fan Power	kw		0.34			0.60			1.97	
COMPRESSOR										
Compressor Type			SCROLL			SCROLL			SCROLL	
Quantity	qty		1			1			1	
Voltage	V		415			415			415	
Total Power	kw	2.38	3.13	3.63	4.15	5.35	6.14	5.55	7.22	8.38
Number of Circuit	qty		1			1			1	
Unit Airborne Sound Level	dbA		63			67			68	
Total Power Input	kw	3.09	3.84	4.34	5.50	6.70	7.49	8.62	10.29	11.45
EER		3.24	2.23	1.78	3.25	2.31	1.90	2.89	2.09	1.68
Unit Dimension [LxWxH]	mm	1900	1000	1320	2100	1150	1520	2150	1250	1520
Weight	kg		428			523			597	

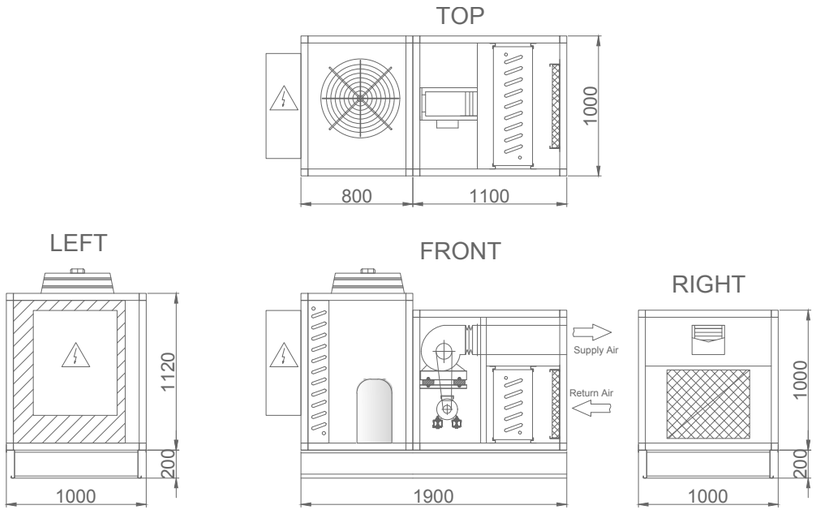
RTACS SERIES		RTACS 9227			RTACS 10127			RTACS 10227		
ACU MODEL		108135	108146	108152	125135	125146	125152	72235	72246	72252
Ambient Temperature	°C	35	46	52	35	46	52	35	46	52
	°F	95	115	126	95	115	126	95	115	126
Air Inlet Temperature DB	°C		27			27			27	
	°F		80.6			80.6			80.6	
Air Inlet Temperature WB	°C		19.5			19.5			19.5	
	°F		67.1			67.1			67.1	
EVAPORATOR SIDE										
Total Cooling Capacity	kw	27.9	24.1	21.9	32.6	28.2	25.5	35.8	31	28.4
	TR	7.94	6.86	6.23	9.27	8.02	7.25	10.19	8.82	8.08
Sensible Cooling Capacity	kw		15.62			18.16			20.11	
			4.44			5.17			5.72	
Air Volume	m^3/h		4.000			4.650			5.150	
	cmf		2.367			2.751			3.047	
ESP	Pa		230			300			230	
Fan Type			Centrifugal			Centrifugal			Centrifugal	
Motor Power	kw		1.10			1.5			1.50	
Motor Speed	rpm		1500			1500			1500	
Face Velocity	m/s		2.10			1.92			2.52	
CONDENSER SIDE										
Air Volume	m^3/h		15.000			15.000			18.000	
	cmf		8.876			8.876			10.651	
Type			AXIAL			AXIAL			AXIAL	
Quantity	qty		1			1			2	
Total Fan Power	kw		1.97			1.97			1.20	
COMPRESSOR										
Compressor Type			SCROLL			SCROLL			SCROLL	
Quantity	qty		1			1			2	
Voltage	V		415			415			415	
Total Power	kw	6.16	7.86	8.99	7.19	9.29	10.75	8.30	10.70	12.28
Number of Circuit	qty		1			1			2	
Unit Airborne Sound Level	dbA		69			70			70	
Total Power Input	kw	923	10.93	12.06	10.66	12.76	14.22	11.00	13.40	14.98
EER		3.02	2.20	1.82	3.06	2.21	1.79	3.25	2.31	1.90
Unit Dimension [LxWxH]	mm	2250	1350	1820	2250	1650	1820	2900	1150	1520
Weight	kg		684			788			1031	

RTACS SERIES		RTACS 12127			RTACS 1227			RTACS 1527		
ACU MODEL		81235	81246	81252	94235	94246	94252	125235	125246	125252
Ambient Temperature	°C	35	46	52	35	46	52	35	46	52
	°F	95	115	126	95	115	126	95	115	126
Air Inlet Temperature DB	°C		27			27			27	
	°F		80.6			80.6			80.6	
Air Inlet Temperature WB	°C		19.5			19.5			19.5	
	°F		67.1			67.1			67.1	
EVAPORATOR SIDE										
Total Cooling Capacity	kw	40.8	34.9	31.5	49.8	43	38.4	65.2	56.4	51
	TR	11.61	9.93	8.96	14.17	12.23	10.92	18.55	16.05	14.51
Sensible Cooling Capacity	kw		22.65			27.92			36.51	
			6.44			7.94			10.39	
Air Volume	m^3/h		5.800			7.150			9.350	
	cmf		3.432			4.231			5.533	
ESP	Pa		320			300			320	
Fan Type			Centrifugal			Centrifugal			Centrifugal	
Motor Power	kw		2.20			2.20			3	
Motor Speed	rpm		1500			1500			1500	
Face Velocity	m/s		2.37			2.59			2.54	
CONDENSER SIDE										
Air Volume	m^3/h		19.600			28.000			30.000	
	cmf		11.598			16.568			17.751	
Type			AXIAL			AXIAL			AXIAL	
Quantity	qty		4			2			2	
Total Fan Power	kw		1.36			3.94			3.94	
COMPRESSOR										
Compressor Type			SCROLL			SCROLL			SCROLL	
Quantity	qty		2			2			2	
Voltage	V		415			415			415	
Total Power	kw	9.40	12.20	14.10	11.10	14.44	16.76	14.38	18.58	21.50
Number of Circuit	qty		2			2			2	
Unit Airborne Sound Level	dbA		70			71			73	
Total Power Input	kw	12.96	15.76	17.66	17.24	20.58	22.90	21.32	25.52	28.44
EER		3.15	2.21	1.78	2.89	2.09	1.68	3.06	2.21	1.79
Unit Dimension [LxWxH]	mm	2900	1250	1600	3050	1300	1700	3200	1650	1900
Weight	kg		1046			1256			1385	

RTACS SERIES		RTACS 18127			RTACS 18227			RTACS 18327		
ACU MODEL		144235	144246	144252	160235	160246	160252	190235	190246	190252
Ambient Temperature	°C	35	46	52	35	46	52	35	46	52
	°F	95	115	126	95	115	126	95	115	126
Air Inlet Temperature DB	°C		27			27			27	
	°F		80.6			80.6			80.6	
Air Inlet Temperature WB	°C		19.5			19.5			19.5	
	°F		67.1			67.1			67.1	
EVAPORATOR SIDE										
Total Cooling Capacity	kw	75.2	64.4	57.8	82.6	69.8	62.4	95.6	82.04	73.4
	TR	21.39	18.32	16.44	23.50	19.86	17.75	27.20	23.34	20.88
Sensible Cooling Capacity	kw		41.79			45.30			53.11	
			11.89			12.89			15.11	
Air Volume	m^3/h		10.700			11.600			13.600	
	cmf		6.331			6.864			8.047	
ESP	Pa		350			350			350	
Fan Type			Centrifugal			Centrifugal			Centrifugal	
Motor Power	kw		4.00			4.00			5.50	
Motor Speed	rpm		1500			1500			1500	
Face Velocity	m/s		2.39			2.31			2.71	
CONDENSER SIDE										
Air Volume	m^3/h		36.000			42.000			56.000	
	cmf		21.302			24.852			33.136	
Type			AXIAL			AXIAL			AXIAL	
Quantity	qty		4			4			4	
Total Fan Power	kw		2.40			2.40			7.88	
COMPRESSOR										
Compressor Type			SCROLL			SCROLL			SCROLL	
Quantity	qty		2			2			2	
Voltage	V		415			415			415	
Total Power	kw	16.26	21.10	24.40	18.52	23.70	27.30	22.10	28.30	32.40
Number of Circuit	qty		2			2			2	
Unit Airborne Sound Level	dbA		74			77			80	
Total Power Input	kw	22.66	27.50	30.80	24.92	30.10	33.70	35.48	41.68	45.78
EER		3.32	2.34	1.88	3.31	2.32	1.85	2.69	1.97	1.60
Unit Dimension [LxWxH]	mm	3300	1750	2000	3300	1750	2100	3300	1750	2100
Weight	kg		1518			1961			2318	

RTACS SERIES		RTACS 45027			RTACS 56127			RTACS 63127			RTACS 71127		
ACU MODEL		250235	250246	250252	310235	310246	310252	380235	380246	380252	250435	250446	250452
Ambient Temperature	°C	35	46	52	35	46	52	35	46	52	35	46	52
	°F	95	115	126	95	115	126	95	115	126	95	115	126
Air Inlet Temperature DB	°C		27			27			27			27	
	°F		80.6			80.6			80.6			80.6	
Air Inlet Temperature WB	°C		19.5			19.5			19.5			19.5	
	°F		67.1			67.1			67.1			67.1	
EVAPORATOR SIDE													
Total Cooling Capacity	kw	126.4	109.4	99.4	159	135.4	122.2	195	167.4	150.4	252.8	218.8	198.8
	TR	35.96	31.12	28.28	45.24	38.52	34.77	55.48	47.63	42.63	42.79	71.92	62.25
Sensible Cooling Capacity	kw		71.07			87.87			108.56			130.82	
			20.22			25.00			30.89			37.22	
Air Volume	m^3/h		18.200			22.500			27.800			33.500	
	cmf		10.769			13.314			16.450			19.822	
ESP	Pa		280			330			400			550	
Fan Type			Centrifugal			Centrifugal			Centrifuga			Centrifugal	
Motor Power	kw		5.5			7.50			11.00			15.00	
Motor Speed	rpm		1500			1500			1500			1500	
Face Velocity	m/s		2.22			2.45			2.63			2.55	
CONDENSER SIDE													
Air Volume	m^3/h		70.000			87.000			104.000			140.000	
			41.420			51.479			61.538			82.840	
Type			AXIAL			AXIAL			AXIAL			AXIAL	
Quantity	qty		4			4			6			8	
Total Fan Power	kw		10.52			9.32			15.78			21.04	
COMPRESSOR													
Compressor Type			SCROLL			SCROLL			SCROLL			SCROLL	
Quantity	qty		2			2			2			4	
Voltage	V		415			415			415			415	
Total Power	kw	29.10	37.50	43.20	36.30	46.40	53.40	44.00	56.00	64.40	58.20	75.00	86.40
Number of Circuit	qty		2			2			2			4	
Unit Airborne Sound Level	dbA		81			83			86			84	
Total Power Input	kw	45.12	53.52	59.22	52.12	63.22	70.22	70.78	82.78	91.18	94.24	111.04	122.44
EER		2.80	2.04	1.68	2.99	2.14	1.74	2.76	2.02	1.65	2.68	1.97	1.62
Unit Dimension [LxWxH]	mm	3500	1900	2200	3900	2100	2200	4550	1900	2200	5900	2100	2200
Weight	kg					3797			5221			6960	

RTACS SERIES		RTACS 80127			RTACS 90127			RTACS 90327			RTACS 100327		
ACU MODEL		310435	310446	310452	380435	380446	380452	310635	310646	310652	380635	380646	380652
Ambient Temperature	°C	35	46	52	35	46	52	35	46	52	35	46	52
	°F	95	115	126	95	115	126	95	115	126	95	115	126
Air Inlet Temperature DB	°C		27			27			27			27	
	°F		80.6			80.6			80.6			80.6	
Air Inlet Temperature WB	°C		19.5			19.5			19.5			19.5	
	°F		67.1			67.1			67.1			67.1	
EVAPORATOR SIDE													
Total Cooling Capacity	kw	318	270.8	244.4	390	334.8	300.8	477	406.2	366.6	585	502.2	451.2
	TR	90.47	77.04	69.53	110.96	95.25	85.58	135.71	115.56	104.30	166.43	142.88	128.37
Sensible Cooling Capacity	kw		175.73			214.78			263.99			312.41	
			50.00			61.11			75.10			88.88	
Air Volume	m^3/h		45.000			55.000			67.600			80.000	
	cmf		26.627			32.544			40.000			47.337	
ESP	Pa		500			450			550			460	
Fan Type			Centrifugal			Centrifugal			Centrifugal			Centrifugal	
Motor Power	kw		18.5			22.00			30.00			30.00	
Motor Speed	rpm		1500			1500			1500			1500	
Face Velocity	m/s		2.58			2.35			2.43			2.45	
CONDENSER SIDE													
Air Volume	m^3/h		174.000			208.000			261.000			312.000	
			102.959			123.077			154.438			184.615	
Type			AXIAL			AXIAL			AXIAL			AXIAL	
Quantity	qty		8			12			12			18	
Total Fan Power	kw		18.64			31.56			27.96			47.34	
COMPRESSOR													
Compressor Type			SCROLL			SCROLL			SCROLL			SCROLL	
Quantity	qty		4			4			6			6	
Voltage	V		415			415			415			415	
Total Power	kw	72.60	92.80	106.80	88.00	112.00	128.80	108.90	139.20	160.20	132.00	168.00	193.20
Number of Circuit	qty		4			4			6			6	
Unit Airborne Sound Level	dbA		86			89			88			91	
Total Power Input	kw	109.74	129.94	143.94	141.56	165.56	182.36	166.86	197.16	218.16	209.34	245.34	270.54
EER		2.90	2.08	1.70	2.76	2.02	1.65	2.86	2.06	1.68	2.79	2.05	1.67
Unit Dimension [LxWxH]	mm	7100	2200	2250	9100	2100	2200	10900	2100	2200	13000	2200	2250
Weight	kg		7280			7360			8383			8550	

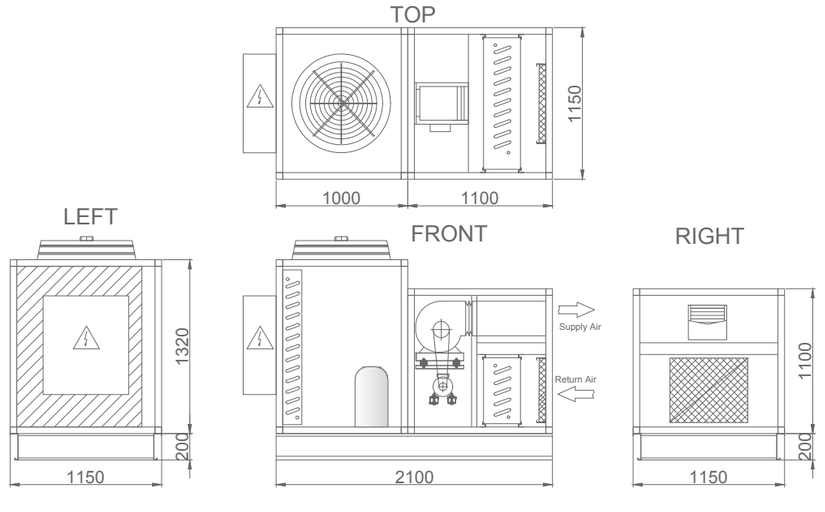


Evaporator side		
Ambient Temperature	°C	46
Total Cooling Capacity	kw	8.58
Sensible Cooling Capacity	kw	5.47
Air Inlet Temperature DB	°C	27
Air Inlet Temperature WB	°C	19.5
Refrigerant		R407C
Air flow	m^3/h	1400
Evaporator Fan Quantity		1
Evaporator Fan		Radial double inlet
Type of drive		Belt Drive
Fan Motor Type		IP55. TEFC. Class F
Motor Power	kw	0.37
Motor Nominal Current	A	1.2
Coil		Copper Tubes. Aluminium Fins
Number of rows		4
Face Velocity	m/s	1.18
Fin space	mm	3.2
Heat transfer surface area	m^3	17.35
Coil Quantity		1
Case Profile		steel profiles
Panel Design		galvanized double skin
Painting		electrostatic polyster powder
Insulation		50 mm. Rockwool
Air filter		EU4. Panel filter
Thickness	mm	48

Condenser side		
Compressor		Scroll
Quantity		1
Refrigeration Circuits		1
Power Input	kw	3.13
Nominal Current	A	5.57
Control		Expantion valve
Air flow	m^3/h	4900
Condenser Fan Quantity		1
Condenser Fans		Axial
Type of drive		Direct Drive
Axial Fan Motor Type		IP54. Class F
Fan Motor Power	kw	0.34
Fan Motor Nominal Current	A	0.49
Coil		Copper Tubes. Aluminium Fins
Number of rows		3
Face Velocity	m/s	2.06
Fin space	mm	1.8
Heat transfer surface area	m^2	44.59
Coil Quantity	3	1
Case Profile		steel profiles
Panel Design		galvanized single skin
Painting		electrostatic polyster powder
Insulation		N / A
Air filter		N / A
Thickness	mm	N / A

Total Power Input	kw	3.84
Total Nominal Current	A	7.3
Power Supply	V-Hz-ph	415-50-3

Unit Dimensions W*H*L	mm	1000*1320*1900
Unit operating weight	kg	428
Control		Microprocessor



Evaporator side		
Ambient Temperature	°C	46
Total Cooling Capacity	kw	15.5
Sensible Cooling Capacity	kw	9.96
Air Inlet Temperature DB	°C	27
Air Inlet Temperature WB	°C	19.5
Refrigerant		R407C
Air flow	m^3/h	2.550
Evaporator Fan Quantity		1
Evaporator Fan		Radial double inlet
Type of drive		Belt Drive
Fan Motor Type		IP55. TEFC. Class F
Motor Power	kw	0.75
Motor Nominal Current	A	2
Coil		Copper Tubes. Aluminium Fins
Number of rows		4
Face Velocity	m/s	2.07
Fin space	mm	2
Heat transfer surface area	m^3	27.94
Coil Quantity		1
Case Profile		steel profiles
Panel Design		galvanized double skin
Painting		electrostatic polyster powder
Insulation		50 mm. Rockwool
Air filter		EU4. Panel filter
Thickness	mm	48

Condenser side		
Compressor		Scroll
Quantity		1
Refrigeration Circuits		1
Power Input	kw	5.35
Nominal Current	A	9.37
Control		Expantion valve
Air flow	m^3/h	9000
Condenser Fan Quantity		1
Condenser Fans		Axial
Type of drive		Direct Drive
Axial Fan Motor Type		IP54. Class F
Fan Motor Power	kw	0.6
Fan Motor Nominal Current	A	2.04
Coil		Copper Tubes. Aluminium Fins
Number of rows		3
Face Velocity	m/s	2.56
Fin space		1.8
Heat transfer surface area	m^2	65.85
Coil Quantity	3	1
Case Profile		steel profiles
Panel Design		galvanized single skin
Painting		electrostatic polyster powder
Insulation		N / A
Air filter		N / A
Thickness	mm	N / A

Total Power Input	kw	6.7
Total Nominal Current	A	13.4
Power Supply	V-Hz-ph	415-50-3

Unit Dimensions W*H*L	mm	1150*1520*2100
Unit operating weight	kg	523
Control		Microprocessor

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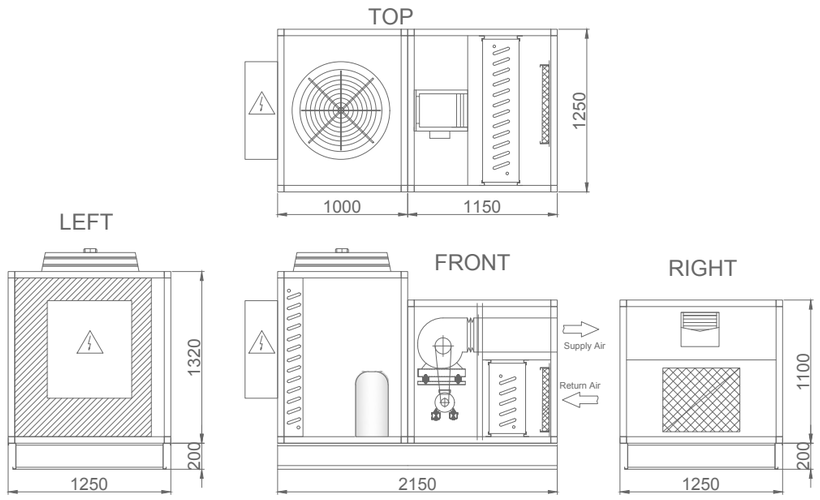

Evaporator side		
Ambient Temperature	°C	46
Total Cooling Capacity	kw	21.5
Sensible Cooling Capacity	kw	13.86
Air Inlet Temperature DB	°C	27
Air Inlet Temperature WB	°C	19.5
Refrigerant		R407C
Air flow	m^3/h	3.55
Evaporator Fan Quantity		1
Evaporator Fan		Radial double inlet
Type of drive		Belt Drive
Fan Motor Type		IP55. TEFC. Class F
Motor Power	kw	1.1
Motor Nominal Current	A	2.6
Coil		Copper Tubes. Aluminium Fins
Number of rows		4
Face Velocity	m/s	2.49
Fin space	mm	1.8
Heat transfer surface area	m^3	35.62
Coil Quantity		1
Case Profile		steel profiles
Panel Design		galvanized double skin
Painting		electrostatic polyster powder
Insulation		50 mm. Rockwool
Air filter		EU4. Panel filter
Thickness	mm	48

Condenser side		
Compressor		Scroll
Quantity		1
Refrigeration Circuits		1
Power Input	kw	7.22
Nominal Current	A	13.17
Control		Expantion valve
Air flow	m^3/h	14000
Condenser Fan Quantity		1
Condenser Fans		Axial
Type of drive		Direct Drive
Axial Fan Motor Type		IP54. Class F
Fan Motor Power	kw	1.97
Fan Motor Nominal Current	A	2.72
Coil		Copper Tubes. Aluminium Fins
Number of rows		3
Face Velocity	m/s	3.54
Fin space	mm	1.8
Heat transfer surface area	m^2	74.08
Coil Quantity	3	1
Case Profile		steel profiles
Panel Design		galvanized single skin
Painting		electrostatic polyster powder
Insulation		N / A
Air filter		N / A
Thickness	mm	N / A

Total Power Input	kw	10.29
Total Nominal Current	A	18.5
Power Supply	V-Hz-ph	415-50-3

Unit Dimensions W*H*L	mm	1250*1520*2150
Unit operating weight	kg	597
Control		Microprocessor

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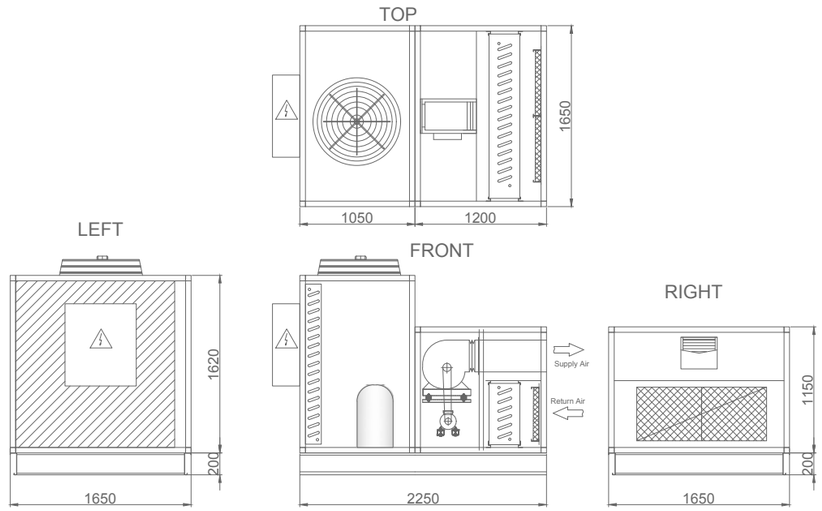

Evaporator side		
Ambient Temperature	°C	46
Total Cooling Capacity	kw	28.2
Sensible Cooling Capacity	kw	18.16
Air Inlet Temperature DB	°C	27
Air Inlet Temperature WB	°C	19.5
Refrigerant		R407C
Air flow	m^3/h	4.650
Evaporator Fan Quantity		1
Evaporator Fan		Radial double inlet
Type of drive		Belt Drive
Fan Motor Type		IP55. TEFC. Class F
Motor Power	kw	1.5
Motor Nominal Current	A	2.6
Coil		Copper Tubes. Aluminium Fins
Number of rows		4
Face Velocity	m/s	2.42
Fin space	mm	1.8
Heat transfer surface area	m^3	48.02
Coil Quantity		1
Case Profile		steel profiles
Panel Design		galvanized double skin
Painting		electrostatic polyster powder
Insulation		50 mm. Rockwool
Air filter		EU4. Panel filter
Thickness	mm	48

Condenser side		
Compressor		Scroll
Quantity		1
Refrigeration Circuits		1
Power Input	kw	9.29
Nominal Current	A	16.45
Control		Expantion valve
Air flow	m^3/h	15.000
Condenser Fan Quantity		1
Condenser Fans		Axial
Type of drive		Direct Drive
Axial Fan Motor Type		IP54. Class F
Fan Motor Power	kw	1.97
Fan Motor Nominal Current	A	2.72
Coil		Copper Tubes. Aluminium Fins
Number of rows		3
Face Velocity	m/s	2.1
Fin space		1.8
Heat transfer surface area	m^2	133.76
Coil Quantity	3	1
Case Profile		steel profiles
Panel Design		galvanized single skin
Painting		electrostatic polyster powder
Insulation		N / A
Air filter		N / A
Thickness	mm	N / A

Total Power Input	kw	12.76
Total Nominal Current	A	21.8
Power Supply	V-Hz-ph	415-50-3

Unit Dimensions W*H*L	mm	1650*1820*2250
Unit operating weight	kg	788
Control		Microprocessor

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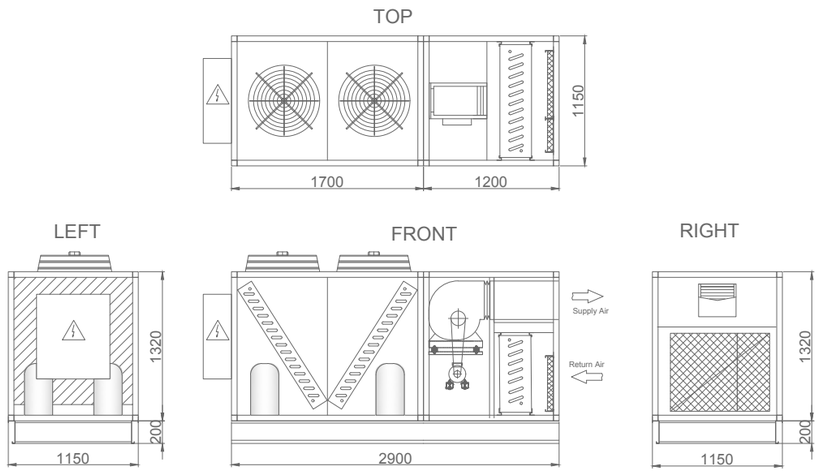


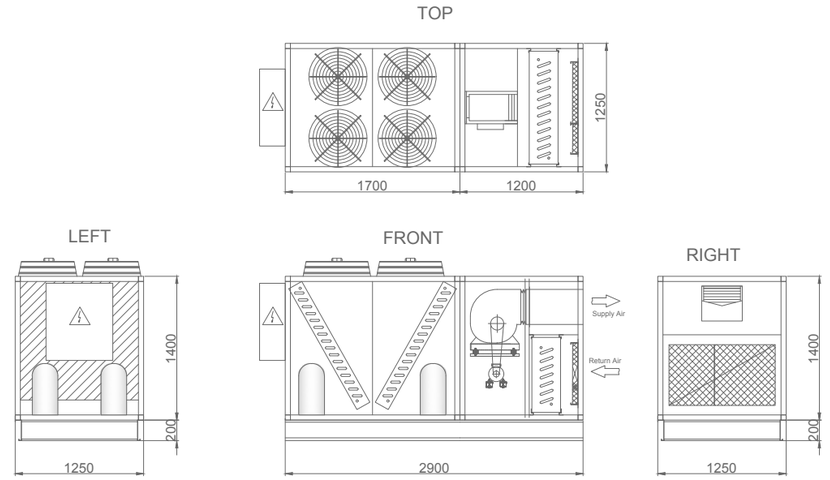
Evaporator side		
Ambient Temperature	°C	46
Total Cooling Capacity	kw	31
Sensible Cooling Capacity	kw	20.11
Air Inlet Temperature DB	°C	27
Air Inlet Temperature WB	°C	19.5
Refrigerant		R407C
Air flow	m^3/h	5.150
Evaporator Fan Quantity		1
Evaporator Fan		Radial double inlet
Type of drive		Belt Drive
Fan Motor Type		IP55. TEFC. Class F
Motor Power	kw	1.5
Motor Nominal Current	A	3.7
Coil		Copper Tubes. Aluminium Fins
Number of rows		4
Face Velocity	m/s	2.5
Fin space	mm	1.8
Heat transfer surface area	m^3	51.45
Coil Quantity		1
Case Profile		steel profiles
Panel Design		galvanized double skin
Painting		electrostatic polyster powder
Insulation		50 mm. Rockwool
Air filter		EU4. Panel filter
Thickness	mm	48

Condenser side		
Compressor		Scroll
Quantity		2
Refrigeration Circuits		2
Power Input	kw	10.70
Nominal Current	A	18.74
Control		Expantion valve
Air flow	m^3/h	18.000
Condenser Fan Quantity		2
Condenser Fans		Axial
Type of drive		Direct Drive
Axial Fan Motor Type		IP54. Class F
Fan Motor Power	kw	1.2
Fan Motor Nominal Current	A	4.08
Coil		Copper Tubes. Aluminium Fins
Number of rows		3
Face Velocity	m/s	2.56
Fin space	mm	1.8
Heat transfer surface area	m^2	131.7
Coil Quantity	3	2
Case Profile		steel profiles
Panel Design		galvanized single skin
Painting		electrostatic polyster powder
Insulation		N / A
Air filter		N / A
Thickness	mm	N / A

Total Power Input	kw	10.29
Total Nominal Current	A	26.5
Power Supply	V-Hz-ph	415-50-3

Unit Dimensions W*H*L	mm	1150*1520*2900
Unit operating weight	kg	1031
Control		Microprocessor

RTACS 12127 / 81146



Evaporator side		
Ambient Temperature	°C	46
Total Cooling Capacity	kw	34.9
Sensible Cooling Capacity	kw	22.65
Air Inlet Temperature DB	°C	27
Air Inlet Temperature WB	°C	19.5
Refrigerant		R407C
Air flow	m^3/h	5.800
Evaporator Fan Quantity		1
Evaporator Fan		Radial double inlet
Type of drive		Belt Drive
Fan Motor Type		IP55. TEFC. Class F
Motor Power	kw	2.2
Motor Nominal Current	A	4.7
Coil		Copper Tubes. Aluminium Fins
Number of rows		4
Face Velocity	m/s	2.45
Fin space	mm	1.8
Heat transfer surface area	m^3	59.27
Coil Quantity		1
Case Profile		steel profiles
Panel Design		galvanized double skin
Painting		electrostatic polyster powder
Insulation		50 mm. Rockwool
Air filter		EU4. Panel filter
Thickness	mm	48

Condenser side		
Compressor		Scroll
Quantity		2
Refrigeration Circuits		2
Power Input	kw	12.2
Nominal Current	A	22.42
Control		Expantion valve
Air flow	m^3/h	19.600
Condenser Fan Quantity		4
Condenser Fans		Axial
Type of drive		Direct Drive
Axial Fan Motor Type		IP54. Class F
Fan Motor Power	kw	1.36
Fan Motor Nominal Current	A	1.96
Coil		Copper Tubes. Aluminium Fins
Number of rows		3
Face Velocity	m/s	2.29
Fin space		1.8
Heat transfer surface area	m^2	160.52
Coil Quantity	3	2
Case Profile		steel profiles
Panel Design		galvanized single skin
Painting		electrostatic polyster powder
Insulation		N / A
Air filter		N / A
Thickness	mm	N / A

Total Power Input	kw	15.76
Total Nominal Current	A	29.1
Power Supply	V-Hz-ph	415-50-3

Unit Dimensions W*H*L	mm	1250*1600*2900
Unit operating weight	kg	1046
Control		Microprocessor

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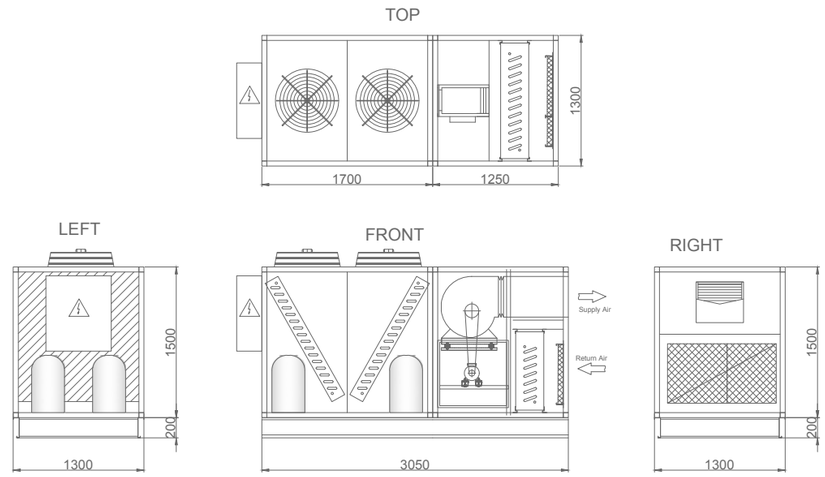

Evaporator side		
Ambient Temperature	°C	46
Total Cooling Capacity	kw	43
Sensible Cooling Capacity	kw	27.92
Air Inlet Temperature DB	°C	27
Air Inlet Temperature WB	°C	19.5
Refrigerant		R407C
Air flow	m^3/h	7.150
Evaporator Fan Quantity		1
Evaporator Fan		Radial double inlet
Type of drive		Belt Drive
Fan Motor Type		IP55. TEFC. Class F
Motor Power	kw	2.2
Motor Nominal Current	A	4.7
Coil		Copper Tubes. Aluminium Fins
Number of rows		4
Face Velocity	m/s	2.48
Fin space	mm	1.8
Heat transfer surface area	m^3	72.03
Coil Quantity		1
Case Profile		steel profiles
Panel Design		galvanized double skin
Painting		electrostatic polyster powder
Insulation		50 mm. Rockwool
Air filter		EU4. Panel filter
Thickness	mm	48

Condenser side		
Compressor		Scroll
Quantity		2
Refrigeration Circuits		2
Power Input	kw	14.44
Nominal Current	A	26.34
Control		Expantion valve
Air flow	m^3/h	28.000
Condenser Fan Quantity		2
Condenser Fans		Axial
Type of drive		Direct Drive
Axial Fan Motor Type		IP54. Class F
Fan Motor Power	kw	3.94
Fan Motor Nominal Current	A	5.44
Coil		Copper Tubes. Aluminium Fins
Number of rows		3
Face Velocity	m/s	3.54
Fin space	mm	1.8
Heat transfer surface area	m^2	142.16
Coil Quantity	3	2
Case Profile		steel profiles
Panel Design		galvanized single skin
Painting		electrostatic polyster powder
Insulation		N / A
Air filter		N / A
Thickness	mm	N / A

Total Power Input	kw	20.58
Total Nominal Current	A	36.5
Power Supply	V-Hz-ph	415-50-3

Unit Dimensions W*H*L	mm	1300*1700*3050
Unit operating weight	kg	1256
Control		Microprocessor

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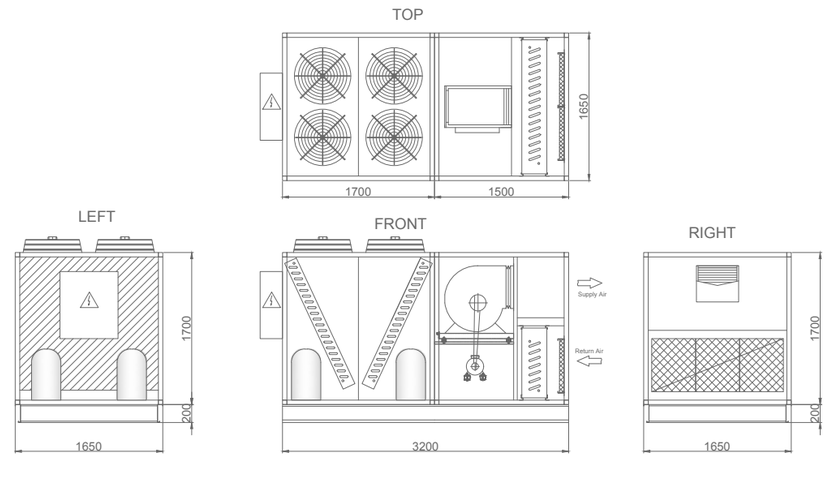

Evaporator side		
Ambient Temperature	°C	46
Total Cooling Capacity	kw	56.4
Sensible Cooling Capacity	kw	36.51
Air Inlet Temperature DB	°C	27
Air Inlet Temperature WB	°C	19.5
Refrigerant		R407C
Air flow	m^3/h	9.350
Evaporator Fan Quantity		1
Evaporator Fan		Radial double inlet
Type of drive		Belt Drive
Fan Motor Type		IP55. TEFC. Class F
Motor Power	kw	3
Motor Nominal Current	A	6.5
Coil		Copper Tubes. Aluminium Fins
Number of rows		4
Face Velocity	m/s	2.52
Fin space	mm	1.8
Heat transfer surface area	m^3	92.83
Coil Quantity		1
Case Profile		steel profiles
Panel Design		galvanized double skin
Painting		electrostatic polyster powder
Insulation		50 mm. Rockwool
Air filter		EU4. Panel filter
Thickness	mm	48

Condenser side		
Compressor		Scroll
Quantity		2
Refrigeration Circuits		2
Power Input	kw	18.58
Nominal Current	A	32.9
Control		Expantion valve
Air flow	m^3/h	30.000
Condenser Fan Quantity		2
Condenser Fans		Axial
Type of drive		Direct Drive
Axial Fan Motor Type		IP54. Class F
Fan Motor Power	kw	3.94
Fan Motor Nominal Current	A	5.44
Coil		Copper Tubes. Aluminium Fins
Number of rows		3
Face Velocity	m/s	2.1
Fin space		1.8
Heat transfer surface area	m^2	267.52
Coil Quantity	3	2
Case Profile		steel profiles
Panel Design		galvanized single skin
Painting		electrostatic polyster powder
Insulation		N / A
Air filter		N / A
Thickness	mm	N / A

Total Power Input	kw	25.52
Total Nominal Current	A	44.8
Power Supply	V-Hz-ph	415-50-3

Unit Dimensions W*H*L	mm	1650*1900*3200
Unit operating weight	kg	1385
Control		Microprocessor

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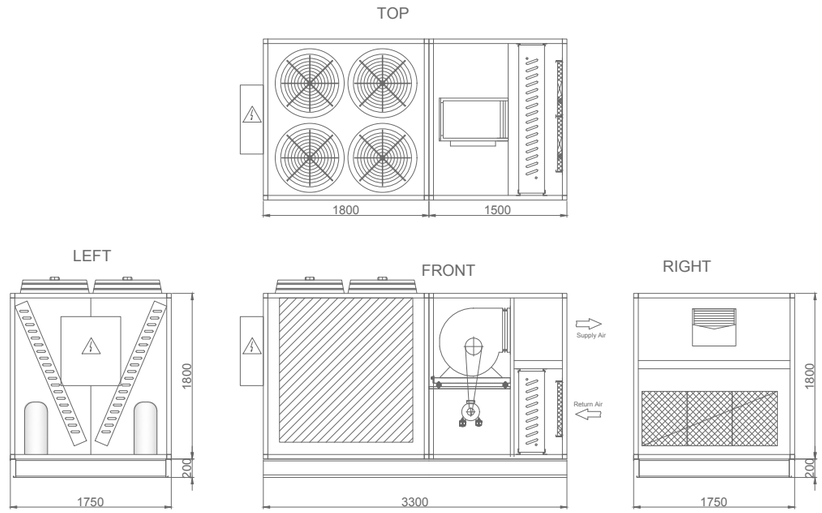

Evaporator side		
Ambient Temperature	°C	46
Total Cooling Capacity	kw	64.4
Sensible Cooling Capacity	kw	41.79
Air Inlet Temperature DB	°C	27
Air Inlet Temperature WB	°C	19.5
Refrigerant		R407C
Air flow	m^3/h	10.700
Evaporator Fan Quantity		1
Evaporator Fan		Radial double inlet
Type of drive		Belt Drive
Fan Motor Type		IP55. TEFC. Class F
Motor Power	kw	4
Motor Nominal Current	A	8.1
Coil		Copper Tubes. Aluminium Fins
Number of rows		4
Face Velocity	m/s	2.45
Fin space	mm	1.8
Heat transfer surface area	m^3	109.41
Coil Quantity		1
Case Profile		steel profiles
Panel Design		galvanized double skin
Painting		electrostatic polyster powder
Insulation		50 mm. Rockwool
Air filter		EU4. Panel filter
Thickness	mm	48

Condenser side		
Compressor		Scroll
Quantity		2
Refrigeration Circuits		2
Power Input	kw	21.1
Nominal Current	A	36.38
Control		Expantion valve
Air flow	m^3/h	36.000
Condenser Fan Quantity		4
Condenser Fans		Axial
Type of drive		Direct Drive
Axial Fan Motor Type		IP54. Class F
Fan Motor Power	kw	2.4
Fan Motor Nominal Current	A	8.16
Coil		Copper Tubes. Aluminium Fins
Number of rows		3
Face Velocity	m/s	2.37
Fin space	mm	1.8
Heat transfer surface area	m^2	285.36
Coil Quantity	3	2
Case Profile		steel profiles
Panel Design		galvanized single skin
Painting		electrostatic polyster powder
Insulation		N / A
Air filter		N / A
Thickness	mm	N / A

Total Power Input	kw	27.5
Total Nominal Current	A	52.6
Power Supply	V-Hz-ph	415-50-3

Unit Dimensions W*H*L	mm	1750*2000*3200
Unit operating weight	kg	1518
Control		Microprocessor

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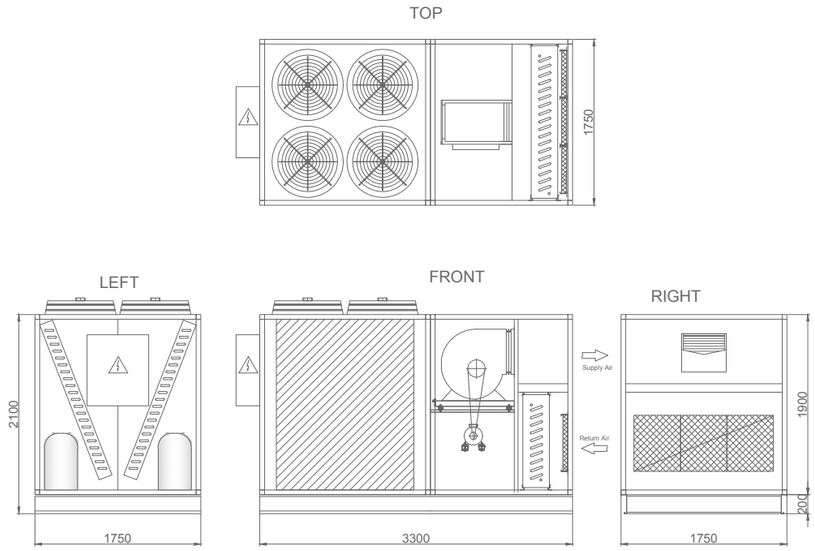

Evaporator side		
Ambient Temperature	°C	46
Total Cooling Capacity	kw	69.8
Sensible Cooling Capacity	kw	45.3
Air Inlet Temperature DB	°C	27
Air Inlet Temperature WB	°C	19.5
Refrigerant		R407C
Air flow	m^3/h	11.600
Evaporator Fan Quantity		1
Evaporator Fan		Radial double inlet
Type of drive		Belt Drive
Fan Motor Type		IP55. TEFC. Class F
Motor Power	kw	4
Motor Nominal Current	A	8.1
Coil		Copper Tubes. Aluminium Fins
Number of rows		4
Face Velocity	m/s	2.38
Fin space	mm	1.8
Heat transfer surface area	m^3	121.83
Coil Quantity		1
Case Profile		steel profiles
Panel Design		galvanized double skin
Painting		electrostatic polyster powder
Insulation		50 mm. Rockwool
Air filter		EU4. Panel filter
Thickness	mm	48

Condenser side		
Compressor		Scroll
Quantity		2
Refrigeration Circuits		2
Power Input	kw	123.7
Nominal Current	A	42.06
Control		Expantion valve
Air flow	m^3/h	42.000
Condenser Fan Quantity		4
Condenser Fans		Axial
Type of drive		Direct Drive
Axial Fan Motor Type		IP54. Class F
Fan Motor Power	kw	2.4
Fan Motor Nominal Current	A	8.16
Coil		Copper Tubes. Aluminium Fins
Number of rows		3
Face Velocity	m/s	2.6
Fin space		1.8
Heat transfer surface area	m^2	303.2
Coil Quantity	3	2
Case Profile		steel profiles
Panel Design		galvanized single skin
Painting		electrostatic polyster powder
Insulation		N / A
Air filter		N / A
Thickness	mm	N / A

Total Power Input	kw	30.1
Total Nominal Current	A	58.3
Power Supply	V-Hz-ph	415-50-3

Unit Dimensions W*H*L	mm	1750*2100*3300
Unit operating weight	kg	1961
Control		Microprocessor

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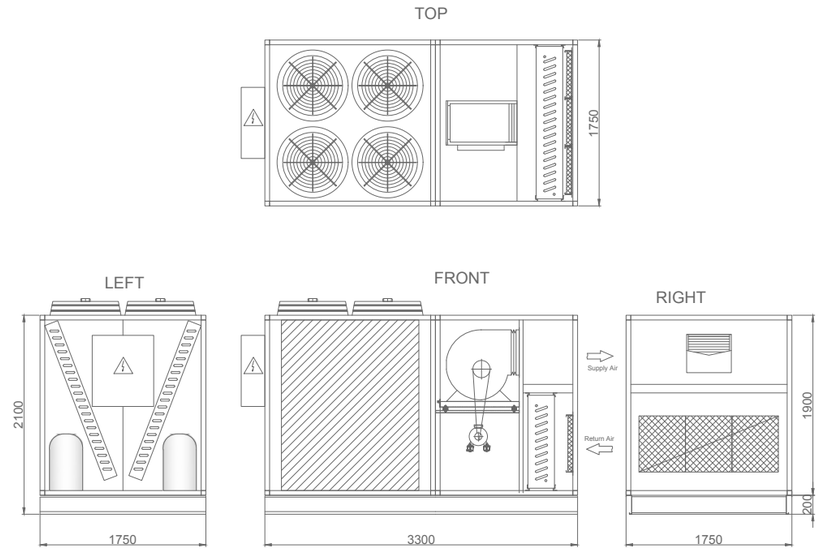


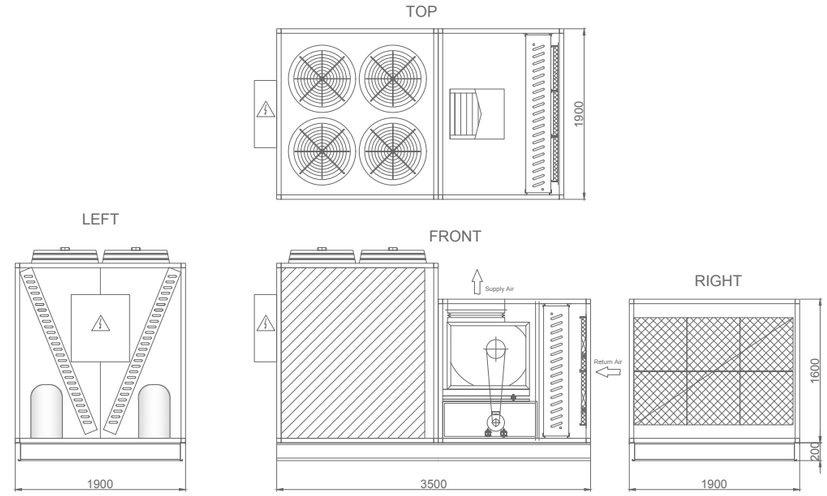
Evaporator side		
Ambient Temperature	°C	46
Total Cooling Capacity	kw	82.04
Sensible Cooling Capacity	kw	53.11
Air Inlet Temperature DB	°C	27
Air Inlet Temperature WB	°C	19.5
Refrigerant		R407C
Air flow	m^3/h	13.600
Evaporator Fan Quantity		1
Evaporator Fan		Radial double inlet
Type of drive		Belt Drive
Fan Motor Type		IP55. TEFC. Class F
Motor Power	kw	5.5
Motor Nominal Current	A	10.9
Coil		Copper Tubes. Aluminium Fins
Number of rows		4
Face Velocity	m/s	2.61
Fin space	mm	1.8
Heat transfer surface area	m^3	130.33
Coil Quantity		1
Case Profile		steel profiles
Panel Design		galvanized double skin
Painting		electrostatic polyster powder
Insulation		50 mm. Rockwool
Air filter		EU4. Panel filter
Thickness	mm	48

Condenser side		
Compressor		Scroll
Quantity		2
Refrigeration Circuits		2
Power Input	kw	2.3
Nominal Current	A	54.1
Control		Expantion valve
Air flow	m^3/h	56.000
Condenser Fan Quantity		4
Condenser Fans		Axial
Type of drive		Direct Drive
Axial Fan Motor Type		IP54. Class F
Fan Motor Power	kw	7.88
Fan Motor Nominal Current	A	10.88
Coil		Copper Tubes. Aluminium Fins
Number of rows		3
Face Velocity	m/s	3.46
Fin space	mm	1.8
Heat transfer surface area	m^2	303.2
Coil Quantity	3	2
Case Profile		steel profiles
Panel Design		galvanized single skin
Painting		electrostatic polyster powder
Insulation		N / A
Air filter		N / A
Thickness	mm	N / A

Total Power Input	kw	41.68
Total Nominal Current	A	75.9
Power Supply	V-Hz-ph	415-50-3

Unit Dimensions W*H*L	mm	1750*2100*3300
Unit operating weight	kg	2318
Control		Microprocessor

RTACS 45027 / 250246



Evaporator side		
Ambient Temperature	°C	46
Total Cooling Capacity	kw	109.4
Sensible Cooling Capacity	kw	71.07
Air Inlet Temperature DB	°C	27
Air Inlet Temperature WB	°C	19.5
Refrigerant		R407C
Air flow	m^3/h	18.200
Evaporator Fan Quantity		1
Evaporator Fan		Radial double inlet
Type of drive		Belt Drive
Fan Motor Type		IP55. TEFC. Class F
Motor Power	kw	5.5
Motor Nominal Current	A	10.9
Coil		Copper Tubes. Aluminium Fins
Number of rows		4
Face Velocity	m/s	2.46
Fin space	mm	1.8
Heat transfer surface area	m^3	185.21
Coil Quantity		1
Case Profile		steel profiles
Panel Design		galvanized double skin
Painting		electrostatic polyster powder
Insulation		50 mm. Rockwool
Air filter		EU4. Panel filter
Thickness	mm	48

Condenser side		
Compressor		Scroll
Quantity		2
Refrigeration Circuits		2
Power Input	kw	37.5
Nominal Current	A	62.1
Control		Expantion valve
Air flow	m^3/h	70.000
Condenser Fan Quantity		4
Condenser Fans		Axial
Type of drive		Direct Drive
Axial Fan Motor Type		IP54. Class F
Fan Motor Power	kw	10.52
Fan Motor Nominal Current	A	16.28
Coil		Copper Tubes. Aluminium Fins
Number of rows		3
Face Velocity	m/s	3.6
Fin space		1.8
Heat transfer surface area	m^2	364.94
Coil Quantity	3	2
Case Profile		steel profiles
Panel Design		galvanized single skin
Painting		electrostatic polyster powder
Insulation		N / A
Air filter		N / A
Thickness	mm	N / A

Total Power Input	kw	53.52
Total Nominal Current	A	89.3
Power Supply	V-Hz-ph	415-50-3

Unit Dimensions W*H*L	mm	1900*2200*3500
Unit operating weight	kg	2397
Control		Microprocessor

We believe that on going aftersales support to end consumers needs is the true identity of our company.

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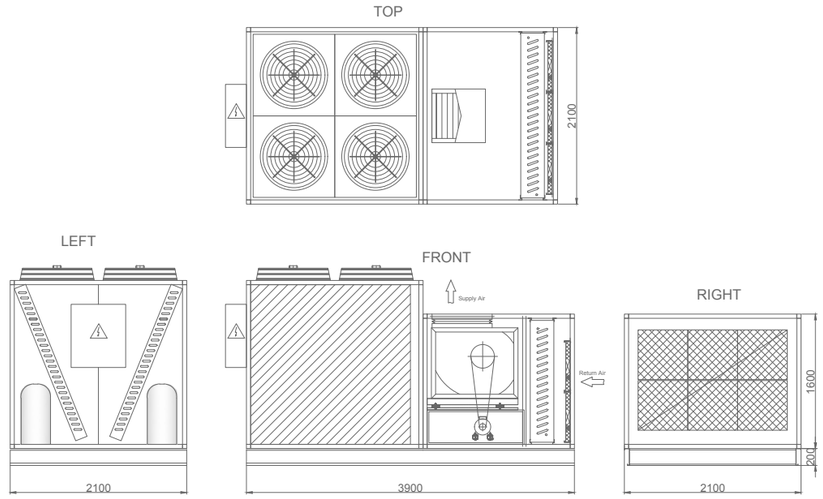


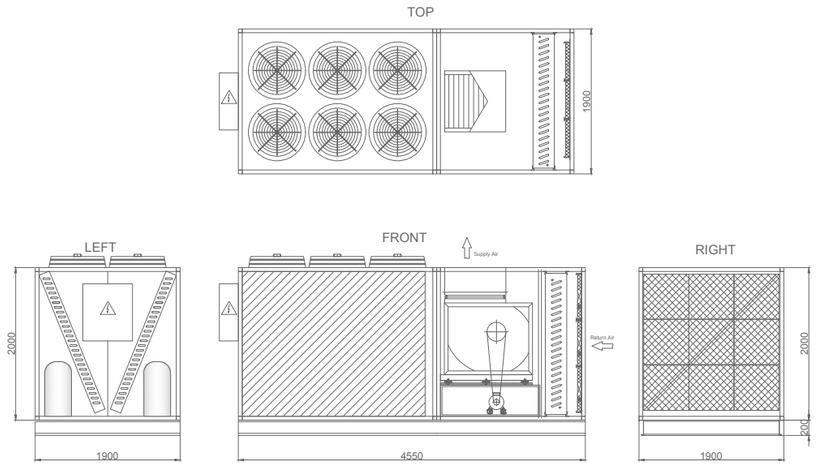
Evaporator side		
Ambient Temperature	°C	46
Total Cooling Capacity	kw	135.4
Sensible Cooling Capacity	kw	87.87
Air Inlet Temperature DB	°C	27
Air Inlet Temperature WB	°C	19.5
Refrigerant		R407C
Air flow	m^3/h	22.500
Evaporator Fan Quantity		1
Evaporator Fan		Radial double inlet
Type of drive		Belt Drive
Fan Motor Type		IP55. TEFC. Class F
Motor Power	kw	7.5
Motor Nominal Current	A	15.1
Coil		Copper Tubes. Aluminium Fins
Number of rows		4
Face Velocity	m/s	2.53
Fin space	mm	1.8
Heat transfer surface area	m^3	222.2
Coil Quantity		1
Case Profile		steel profiles
Panel Design		galvanized double skin
Painting		electrostatic polyster powder
Insulation		50 mm. Rockwool
Air filter		EU4. Panel filter
Thickness	mm	48

Condenser side		
Compressor		Scroll
Quantity		2
Refrigeration Circuits		2
Power Input	kw	46.4
Nominal Current	A	77.96
Control		Expantion valve
Air flow	m^3/h	87.000
Condenser Fan Quantity		4
Condenser Fans		Axial
Type of drive		Direct Drive
Axial Fan Motor Type		IP54. Class F
Fan Motor Power	kw	9.32
Fan Motor Nominal Current	A	18
Coil		Copper Tubes. Aluminium Fins
Number of rows		3
Face Velocity	m/s	3.68
Fin space	mm	1.8
Heat transfer surface area	m^2	443.14
Coil Quantity	3	2
Case Profile		steel profiles
Panel Design		galvanized single skin
Painting		electrostatic polyster powder
Insulation		N / A
Air filter		N / A
Thickness	mm	N / A

Total Power Input	kw	63.22
Total Nominal Current	A	111.1
Power Supply	V-Hz-ph	415-50-3

Unit Dimensions W*H*L	mm	2100*2200*3900
Unit operating weight	kg	3797
Control		Microprocessor

RTACS 63127 / 380246



Evaporator side		
Ambient Temperature	°C	46
Total Cooling Capacity	kw	167.4
Sensible Cooling Capacity	kw	108.56
Air Inlet Temperature DB	°C	27
Air Inlet Temperature WB	°C	19.5
Refrigerant		R407C
Air flow	m^3/h	27.800
Evaporator Fan Quantity		1
Evaporator Fan		Radial double inlet
Type of drive		Belt Drive
Fan Motor Type		IP55. TEFC. Class F
Motor Power	kw	11
Motor Nominal Current	A	21.1
Coil		Copper Tubes. Aluminium Fins
Number of rows		4
Face Velocity	m/s	2.46
Fin space	mm	1.8
Heat transfer surface area	m^3	256.09
Coil Quantity		1
Case Profile		steel profiles
Panel Design		galvanized double skin
Painting		electrostatic polyster powder
Insulation		50 mm. Rockwool
Air filter		EU4. Panel filter
Thickness	mm	48

Condenser side		
Compressor		Scroll
Quantity		2
Refrigeration Circuits		2
Power Input	kw	56
Nominal Current	A	95.36
Control		Expantion valve
Air flow	m^3/h	104.000
Condenser Fan Quantity		6
Condenser Fans		Axial
Type of drive		Direct Drive
Axial Fan Motor Type		IP54. Class F
Fan Motor Power	kw	15.78
Fan Motor Nominal Current	A	24.42
Coil		Copper Tubes. Aluminium Fins
Number of rows		3
Face Velocity	m/s	3.4
Fin space		1.8
Heat transfer surface area	m^2	573.46
Coil Quantity	3	2
Case Profile		steel profiles
Panel Design		galvanized single skin
Painting		electrostatic polyster powder
Insulation		N / A
Air filter		N / A
Thickness	mm	N / A

Total Power Input	kw	82.78
Total Nominal Current	A	104.9
Power Supply	V-Hz-ph	415-50-3

Unit Dimensions W*H*L	mm	1900*2200*4550
Unit operating weight	kg	5221
Control		Microprocessor

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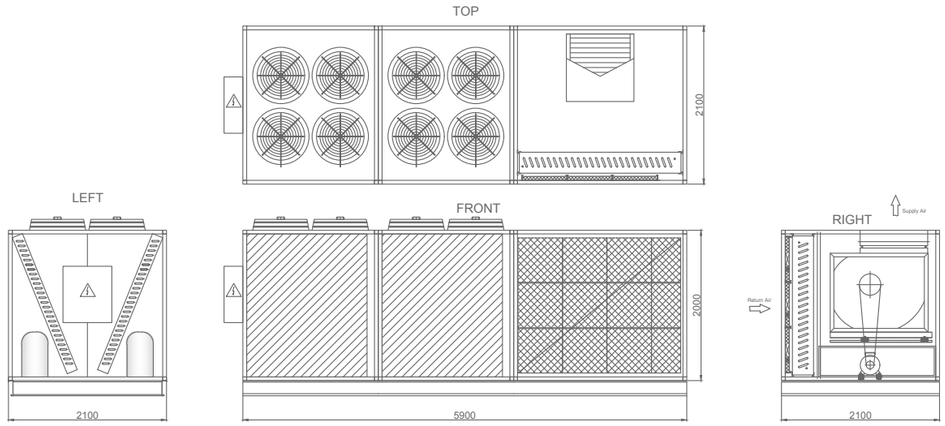


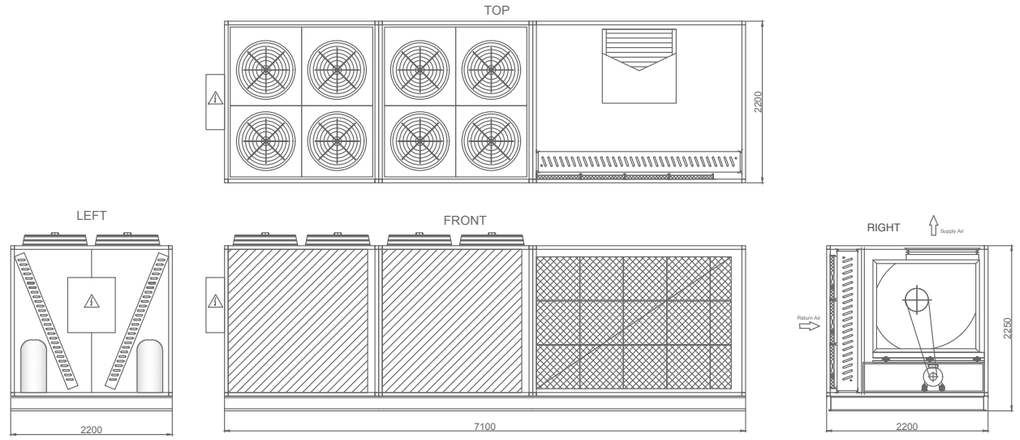
Evaporator side		
Ambient Temperature	°C	46
Total Cooling Capacity	kw	218.8
Sensible Cooling Capacity	kw	130.82
Air Inlet Temperature DB	°C	27
Air Inlet Temperature WB	°C	19.5
Refrigerant		R407C
Air flow	m^3/h	33.500
Evaporator Fan Quantity		1
Evaporator Fan		Radial double inlet
Type of drive		Belt Drive
Fan Motor Type		IP55. TEFC. Class F
Motor Power	kw	15
Motor Nominal Current	A	28.7
Coil		Copper Tubes. Aluminium Fins
Number of rows		5
Face Velocity	m/s	2.55
Fin space	mm	2.1
Heat transfer surface area	m^3	354.6
Coil Quantity		1
Case Profile		steel profiles
Panel Design		galvanized double skin
Painting		electrostatic polyster powder
Insulation		50 mm. Rockwool
Air filter		EU4. Panel filter
Thickness	mm	48

Condenser side		
Compressor		Scroll
Quantity		4
Refrigeration Circuits		4
Power Input	kw	75
Nominal Current	A	124.2
Control		Expantion valve
Air flow	m^3/h	140.000
Condenser Fan Quantity		8
Condenser Fans		Axial
Type of drive		Direct Drive
Axial Fan Motor Type		IP54. Class F
Fan Motor Power	kw	21.04
Fan Motor Nominal Current	A	32.56
Coil		Copper Tubes. Aluminium Fins
Number of rows		3
Face Velocity	m/s	3.6
Fin space	mm	1.8
Heat transfer surface area	m^2	729.88
Coil Quantity	3	4
Case Profile		steel profiles
Panel Design		galvanized single skin
Painting		electrostatic polyster powder
Insulation		N / A
Air filter		N / A
Thickness	mm	N / A

Total Power Input	kw	111.04
Total Nominal Current	A	185.5
Power Supply	V-Hz-ph	415-50-3

Unit Dimensions W*H*L	mm	2100*2200*5900
Unit operating weight	kg	6960
Control		Microprocessor

RTACS 80127 / 310446



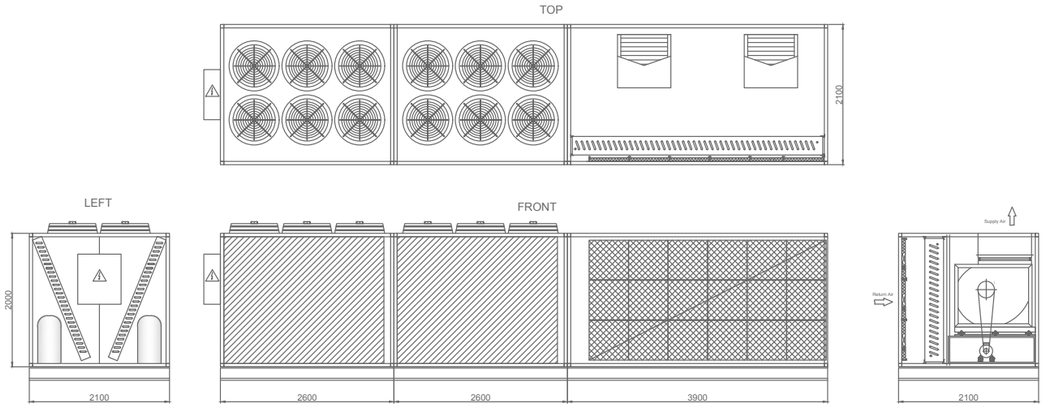
Evaporator side		
Ambient Temperature	°C	46
Total Cooling Capacity	kw	270.8
Sensible Cooling Capacity	kw	175.73
Air Inlet Temperature DB	°C	27
Air Inlet Temperature WB	°C	19.5
Refrigerant		R407C
Air flow	m^3/h	45.000
Evaporator Fan Quantity		2
Evaporator Fan		Radial double inlet
Type of drive		Belt Drive
Fan Motor Type		IP55. TEFC. Class F
Motor Power	kw	18.5
Motor Nominal Current	A	34.5
Coil		Copper Tubes. Aluminium Fins
Number of rows		5
Face Velocity	m/s	2.54
Fin space	mm	2.3
Heat transfer surface area	m^3	439.81
Coil Quantity		1
Case Profile		steel profiles
Panel Design		galvanized double skin
Painting		electrostatic polyster powder
Insulation		50 mm. Rockwool
Air filter		EU4. Panel filter
Thickness	mm	48

Condenser side		
Compressor		Scroll
Quantity		4
Refrigeration Circuits		4
Power Input	kw	92.8
Nominal Current	A	155.92
Control		Expantion valve
Air flow	m^3/h	174.000
Condenser Fan Quantity		8
Condenser Fans		Axial
Type of drive		Direct Drive
Axial Fan Motor Type		IP54. Class F
Fan Motor Power	kw	18.64
Fan Motor Nominal Current	A	36
Coil		Copper Tubes. Aluminium Fins
Number of rows		3
Face Velocity	m/s	3.68
Fin space		1.8
Heat transfer surface area	m^2	886.28
Coil Quantity	3	4
Case Profile		steel profiles
Panel Design		galvanized single skin
Painting		electrostatic polyster powder
Insulation		N / A
Air filter		N / A
Thickness	mm	N / A

Total Power Input	kw	129.94
Total Nominal Current	A	226.4
Power Supply	V-Hz-ph	415-50-3

Unit Dimensions W*H*L	mm	2200*2250*7100
Unit operating weight	kg	7280
Control		Microprocessor

RTACS 90127 / 380446



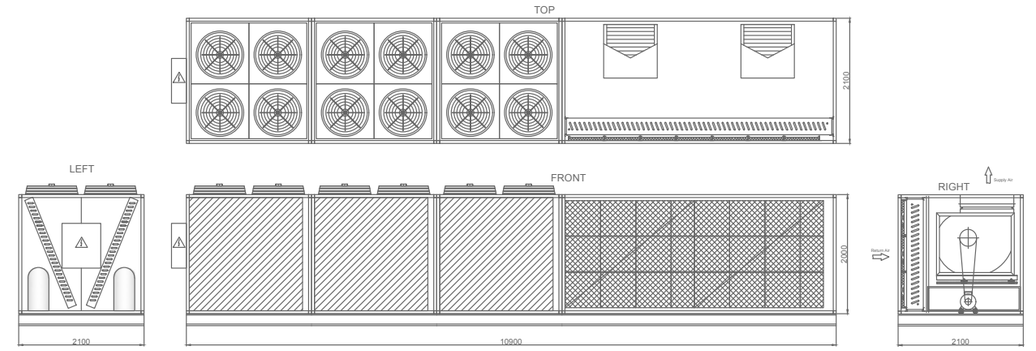
Evaporator side		
Ambient Temperature	°C	46
Total Cooling Capacity	kw	224.8
Sensible Cooling Capacity	kw	214.78
Air Inlet Temperature DB	°C	27
Air Inlet Temperature WB	°C	19.5
Refrigerant		R407C
Air flow	m^3/h	55.000
Evaporator Fan Quantity		2
Evaporator Fan		Radial double inlet
Type of drive		Belt Drive
Fan Motor Type		IP55. TEFC. Class F
Motor Power	kw	22
Motor Nominal Current	A	42.2
Coil		Copper Tubes. Aluminium Fins
Number of rows		5
Face Velocity	m/s	2.53
Fin space	mm	2.3
Heat transfer surface area	m^3	539.2
Coil Quantity		1
Case Profile		steel profiles
Panel Design		galvanized double skin
Painting		electrostatic polyster powder
Insulation		50 mm. Rockwool
Air filter		EU4. Panel filter
Thickness	mm	48

Condenser side		
Compressor		Scroll
Quantity		4
Refrigeration Circuits		4
Power Input	kw	112
Nominal Current	A	190.72
Control		Expantion valve
Air flow	m^3/h	208.000
Condenser Fan Quantity		12
Condenser Fans		Axial
Type of drive		Direct Drive
Axial Fan Motor Type		IP54. Class F
Fan Motor Power	kw	31.56
Fan Motor Nominal Current	A	48.84
Coil		Copper Tubes. Aluminium Fins
Number of rows		3
Face Velocity	m/s	3.4
Fin space	mm	1.8
Heat transfer surface area	m^2	1146.92
Coil Quantity	³	4
Case Profile		steel profiles
Panel Design		galvanized single skin
Painting		electrostatic polyster powder
Insulation		N / A
Air filter		N / A
Thickness	mm	N / A

Total Power Input	kw	165.56
Total Nominal Current	A	281.8
Power Supply	V-Hz-ph	415-50-3

Unit Dimensions W*H*L	mm	2100*2200*9100
Unit operating weight	kg	7360
Control		Microprocessor

RTACS 90327 / 310646



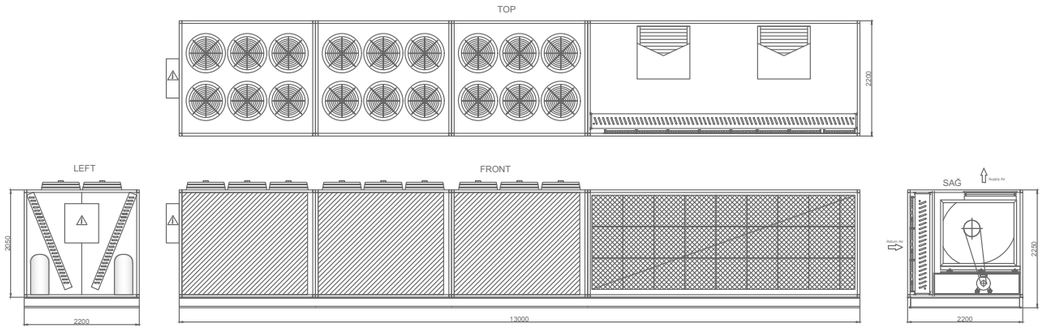
Evaporator side		
Ambient Temperature	°C	46
Total Cooling Capacity	kw	406.2
Sensible Cooling Capacity	kw	264
Air Inlet Temperature DB	°C	27
Air Inlet Temperature WB	°C	19.5
Refrigerant		R407C
Air flow	m^3/h	67.600
Evaporator Fan Quantity		2
Evaporator Fan		Radial double inlet
Type of drive		Belt Drive
Fan Motor Type		IP55. TEFC. Class F
Motor Power	kw	30
Motor Nominal Current	A	57.4
Coil		Copper Tubes. Aluminium Fins
Number of rows		5
Face Velocity	m/s	2.5
Fin space	mm	2.3
Heat transfer surface area	m^3	669.9
Coil Quantity		1
Case Profile		steel profiles
Panel Design		galvanized double skin
Painting		electrostatic polyster powder
Insulation		50 mm. Rockwool
Air filter		EU4. Panel filter
Thickness	mm	48

Condenser side		
Compressor		Scroll
Quantity		6
Refrigeration Circuits		6
Power Input	kw	139.2
Nominal Current	A	233.9
Control		Expantion valve
Air flow	m^3/h	261.000
Condenser Fan Quantity		12
Condenser Fans		Axial
Type of drive		Direct Drive
Axial Fan Motor Type		IP54. Class F
Fan Motor Power	kw	27.96
Fan Motor Nominal Current	A	54
Coil		Copper Tubes. Aluminium Fins
Number of rows		3
Face Velocity	m/s	3.68
Fin space		1.8
Heat transfer surface area	m^2	1329.42
Coil Quantity	³	6
Case Profile		steel profiles
Panel Design		galvanized single skin
Painting		electrostatic polyster powder
Insulation		N / A
Air filter		N / A
Thickness	mm	N / A

Total Power Input	kw	197.16
Total Nominal Current	A	345.3
Power Supply	V-Hz-ph	415-50-3

Unit Dimensions W*H*L	mm	2100*2200*10900
Unit operating weight	kg	8383
Control		Microprocessor

RTACS 100327 / 380646



Evaporator side		
Ambient Temperature	°C	46
Total Cooling Capacity	kw	502.2
Sensible Cooling Capacity	kw	312.4
Air Inlet Temperature DB	°C	27
Air Inlet Temperature WB	°C	19.5
Refrigerant		R407C
Air flow	m³/h	80.000
Evaporator Fan Quantity		2
Evaporator Fan		Radial double inlet
Type of drive		Belt Drive
Fan Motor Type		IP55. TEFC. Class F
Motor Power	kw	30
Motor Nominal Current	A	57.4
Coil		Copper Tubes. Aluminium Fins
Number of rows		5
Face Velocity	m/s	2.52
Fin space	mm	2.3
Heat transfer surface area	m³	789.29
Coil Quantity		1
Case Profile		steel profiles
Panel Design		galvanized double skin
Painting		electrostatic polyster powder
Insulation		50 mm. Rockwool
Air filter		EU4. Panel filter
Thickness	mm	48

Condenser side		
Compressor		Scroll
Quantity		6
Refrigeration Circuits		6
Power Input	kw	168
Nominal Current	A	286.08
Control		Expantion valve
Air flow	m^3/h	312.000
Condenser Fan Quantity		18
Condenser Fans		Axial
Type of drive		Direct Drive
Axial Fan Motor Type		IP54. Class F
Fan Motor Power	kw	47.34
Fan Motor Nominal Current	A	73.26
Coil		Copper Tubes. Aluminium Fins
Number of rows		3
Face Velocity	m/s	3.4
Fin space	mm	1.8
Heat transfer surface area	m^2	1720.38
Coil Quantity	³	6
Case Profile		steel profiles
Panel Design		galvanized single skin
Painting		electrostatic polyster powder
Insulation		N / A
Air filter		N / A
Thickness	mm	N / A

Total Power Input	kw	245.34
Total Nominal Current	A	416.7
Power Supply	V-Hz-ph	415-50-3

Unit Dimensions W*H*L	mm	2100*2250*1300
Unit operating weight	kg	8550
Control		Microprocessor

To us,
we have two important assets
that deserves constant investment,
human and **technology!**

Control Systems

T3 Region

Control System Software Features

Controlling

- Multiple circuits DX system possibility
- Scroll Compressors
- Compressors for each independent cooling circuits
- Condensers and axial fans for each independent cooling circuits

Hardware

- Mpc Small. Medium control boards
- PGD1 or PLD screen
- User friendly menu control in English
- P/PI/PID controlling
- Based on an optional temperature prob

Set Point Options

- Comfort, pre-comfort, economic set points
- Set point limitations

Protections & Alarms

- Automatic /manual/ semi automatic alarm management
- Adjustable alarm timer parameters
- Alarm history
- Air flow switch
- Circuit Breakers Alarms for Compressor and Fans
- Low and high pressure switches
- Dirty Filter Alarm
- Phase Protection Alarm
- High pressure protection
- Low pressure protection
- Blowing air temperature limitation

Date Based Plannig

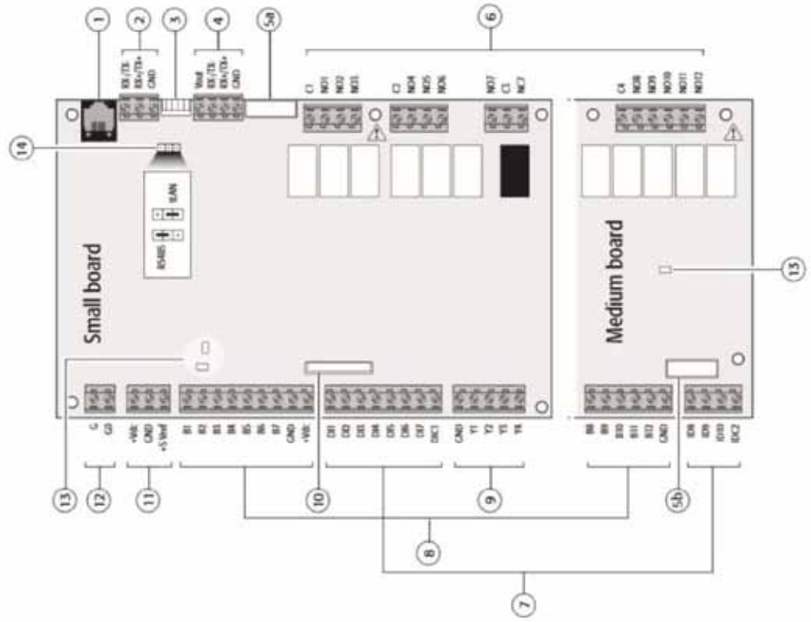
- 4 different time zones
- Option to assign 5 different special days
- Option to assign 10 different holiday periods
- Seasonal timer

Timer functions
Identification of seasonal variations and active set points

Seasonal Variations

- Through the keyboard
- Timer based
- Fresh air temperature based
- Fresh air temperature and timer based

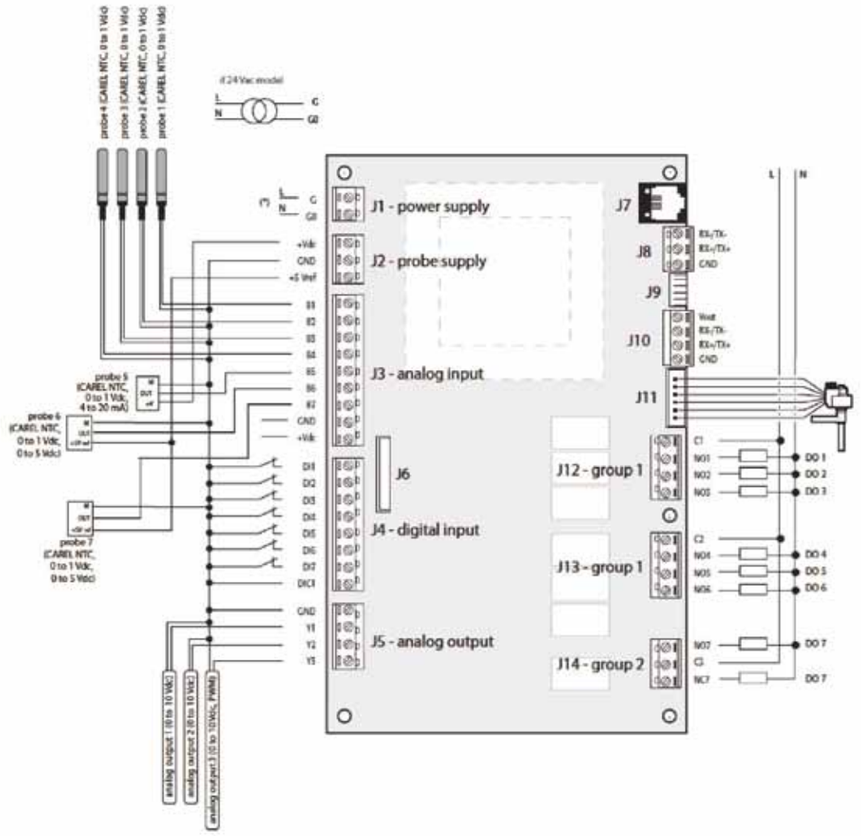
Control System Hardware Features



mPC Small & Medium

- User interface terminal (pLD. PGD1) connection
- mPC Bus. pLAN line
- PLD terminal connection
- RS485/ tLAN connection
- ExV connection – Only available on compatible models
- Exv connection 2 - Only available on compatible models
- Digital output relays
- Digital inputs
- Analog inputs
- Analog outputs
- Serial card slot
- Power supply for probes
- Power supply 24 Vac in UPCB models
- LED – Orange: Power status of the card. Green: BIOS status
- tLAN/ RS485 jumper

Control System Input / Output Connections



Control System User Screens

Alarm button: Used for receiving information regarding the system alarms.
It alarms as red light flashes if there are any active alarms on the system.

PRG Button: Used for logging in to the system settings.

ESC Button: Used for heading back to the home page from any other page.

Down Arrow Button: Used for proceeding to the next page and decreasing the number as one.

Up Arrow Button: Used for getting back to the previous page and increasing the number as one.

Enter Button: Used for applying the changes.

Control System Home Screen

Respectively: Date, day of the week, time information.

One of the system probes. The probe displayed changes as you hit the "ESC" button. The probes that are going to be displayed can be adjusted through the Gc01 screen.

The line which displays the currently working devices in the system. From left to right respectively:
Ventilator fan status, compressor status. The images have animations indicating that the devices are in operation.

symbol shows at least one compressor is active.

OK shows the return air temperature is in accordance with the reference value.

Unit Status

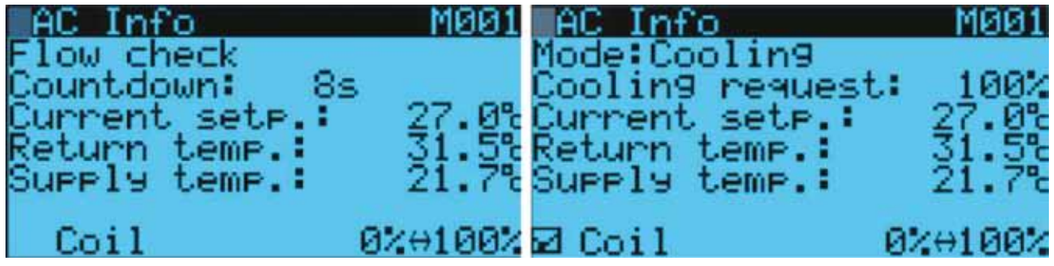
Unit ON: Indicates the unit is in operation.
OFF by ALARM: Indicates the unit is shut down due to alarm.
OFF by SPV: Indicates the unit is shut down due to supervisor.
OFF by Blackout: Indicates the unit is shut down due to power outage.
OFF by KEYBOARD: Indicates the unit is shut down through the screen.
MANUAL: Indicates the unit is manually operational.
Comfort: Indicates the unit is operational in comfort mode.

The information which will be displayed here can be adjustable through Gc02 screen.

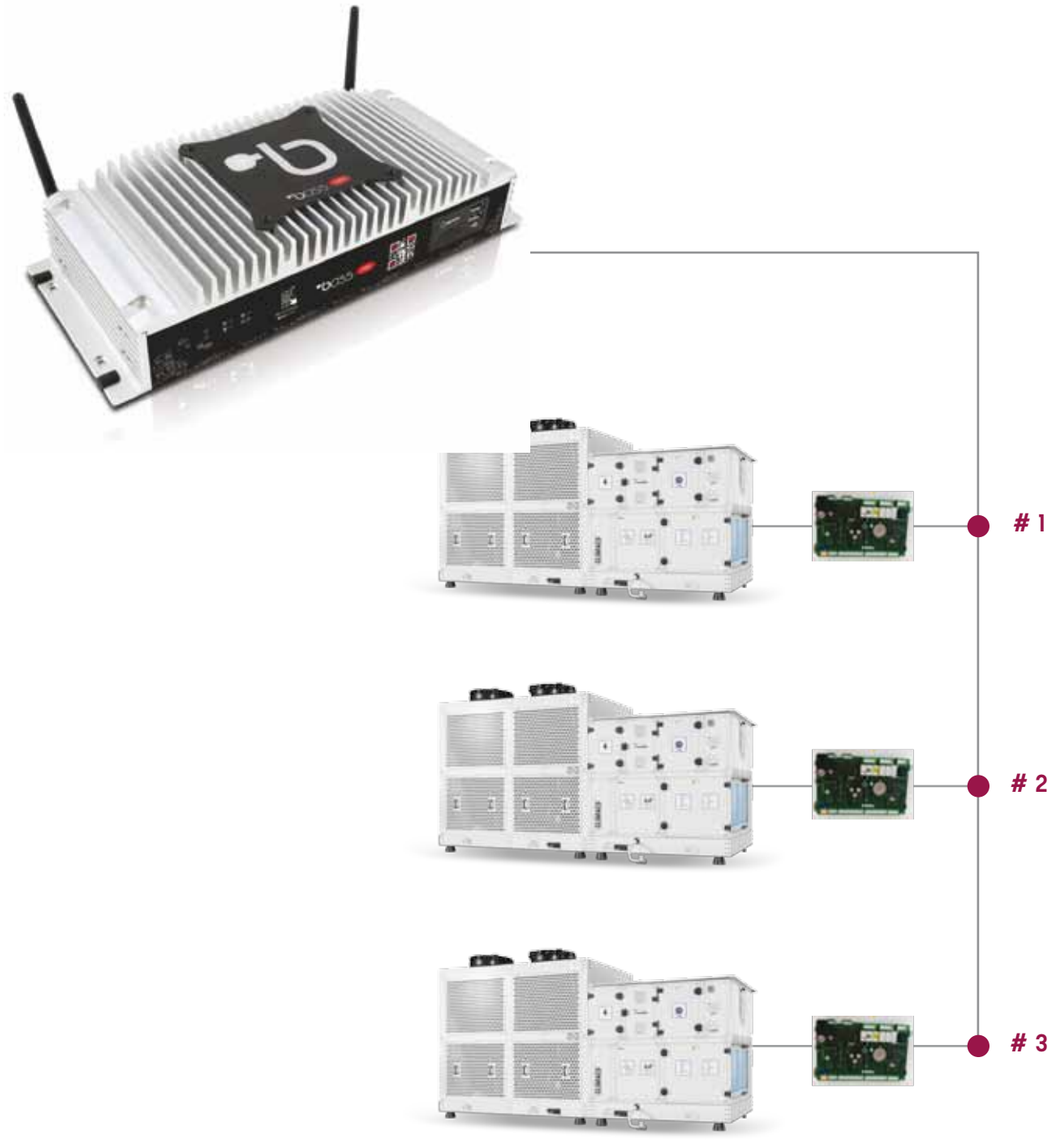
User menu. You can explore between the tabs of the menu by hitting "DOWN" and "UP" arrow buttons in the home screen. The selected tab is accessible by hitting the "ENTER" button.

Note: The menu which contains the detailed system settings is accessible by entering the password through this screen as hitting "PRG" button.

System Information Screens

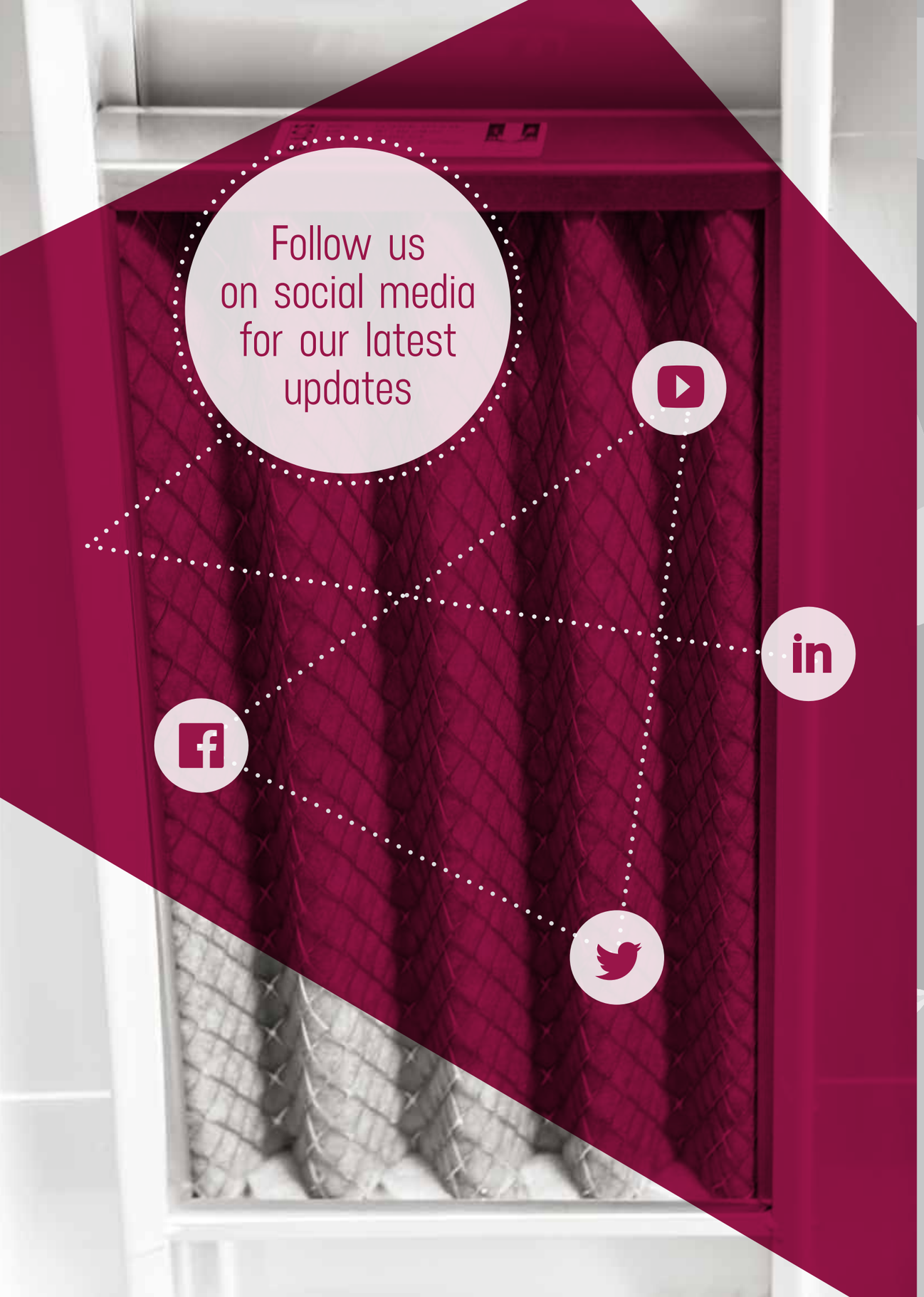


Local Supervisor System BOSS



Multiple Units can be connected BOSS for supervisory control

BOSS is a new local supervisor for multiple unit systems.
Multiple units can be connected BOSS for supervisory control.
Web interface can be accessed by smartphone, tablet and PC. It supports all browsers.
Modbus RTU, Modbus TCP/IP, Bacnet protocols are supported.



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