











Amrta Commercial A/C Model Line Up











Free Cooling Heat Recovery

Air to Water Series

■ Air Source Heat Pump

Heating Capacity: 10kW/15kW/20kW







■ Air Cooled Mini Chiller and Heat Pump

Cooling Capacity: 20kW/25kW/30kW/35kW/40kW/50kW









■ Air Cooled Modular Chiller and Heat Pump

Cooling Capacity: 60kW/100kW/130kW/200kW/260kW







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■ Air Cooled Screw Chiller and Heat Pump

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Cooling Capacity: 150kW/180kW/250kW/320kW/380kW/430kW/500kW 570kW/640kW/700kW/760kW/870kW/930kW/1000kW/1180kW







Water to Air Series

■ Water Cooled Packaged Unit

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Cooling Capacity: 2.5kW/3.5kW/5kW/7kW/10kW/12kW/14kW/18kW/23kW/30kW/35kW/45kW







Air to Air Series

■ Rooftop Packaged Unit

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Cooling Capacity: 12kW/15kW/18kW/24kW/30kW/35kW/45kW/50kW/60kW 72kW/90kW/105kW/120kW/140kW/150kW/180kW/210kW/300kW









Cooling Capacity: 14kW/28kW/42kW/56kW/84kW/100kW





■ Ducted Split Unit Page 23

Cooling Capacity: 20kW/25kW/32kW/36kW/42kW/48kW/52kW/62kW/72kW/88kW/104kW





Water to Water Series

■ Water Cooled Scroll Chiller

Cooling Capacity: 80kW/120kW/160kW









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Cooling Capacity: 130kW/170kW/200kW/240kW/280kW/310kW/360kW/420kW/480kW/530kW/610kW/710kW 760kW/860kW/960kW/1000kW/1200kW/1360kW/1470kW/1720kW/1840kW/2000kW/2500kW









Terminal

■ Chilled Water Fan Coil Unit

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Air Flow: 340m³/h, 510m³/h,680m³/h,850m³/h,1020m³/h,1360m³/h,1700m³/h,2040m³/h,2380m³/h









■ Duct Fan Coil Unit

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 $Air\ Flow:\ 1020m^3/h,1360m^3/h,1700m^3/h,2040m^3/h,2380m^3/h,2720m^3/h,3060m^3/h,3400m^3/h$







Air Source Heat Pump

10kW-20kW 🗱 👩





Why this choice?

Amrta's AC range of chillers with the EVIcycle increase the maximum temperature difference remarkably and provide a COP up to 4.5, which makes the hot water system much more efficient. They can be widely used in the commercial situation.











Characteristics

High efficient

The application of EVI technology together with the high efficiency heat exchanger improves the heat exchanging rate.

Low working temperature

Units achieve optimum performance at ambient temperature as low as -25°C, ensuring 60°C hot water all year round.

Easy control

Intelligent control system with the Carel controller makes it much easier to control your unit whenever you need.

EVI technology

The EVI compressor ensures the unit operate safely at low ambient temperature with higher efficiency and less noise.











Item			Model	ACUD 101	ACUD 151	ACUP 201
DB/WB	In/Out water	Capacity	Unit	ASHP-10L	ASHP-15L	ASHP-20L
18:00,	36°C/41°C	Heating	kW	9.6	14.5	19.1
7°C/6°C	36 C/41 C	Power input	kW	2.5	3.8	5.1
0/ 0/60	50°C/60°C	Heating	kW	9.8	14.5	19.8
	50 C/60 C	Power input	kW	3.3	4.8	6.5
-0	36°C/41°C	Heating	kW	6.1	9.2	11.8
-12°C/-14°C	36 C/41 C	Power input	kW	2.32	3.70	4.70
-12 C/-14 C	E0°C /C0°C	Heating	kW	6.6	9.8	12.8
	50°C/60°C	Power input	kW	3.2	4.8	6.4
101	2C°C /41°C	Heating	kW	5.2	7.7	10.3
20% (%	36°C/41°C	Power input	kW	2.30	3.60	4.60
-20°C/-°C	F00C /FF0C	Heating	kW	5.4	8.1	10.8
	50°C/55°C	Power input	kW	2.9	4.3	5.8
30°	2000 /4100	Heating	kW	4.5	6.0	8.9
3505 / 06	36°C/41°C	Power input	kW	2.40	3.40	4.80
-25°C/-°C	E00C /EE0C	Heating	kW	4.7	6.8	9.5
	50°C/55°C	Power input	kW	2.9	4.5	5.9
35967	1200 1700	Cooling	kW	7.2	10.2	14.2
35°C/	12°C/7°C	Power input	kW	2.7	3.7	5.2
@3rr	Тур	be	10,	Scroll	Scroll	Scroll
Compressor	Bra	nd		Copeland	Copeland	Copeland
	Qt	y , c	^(1 30°	- T	1 (N
Control methods	2 V CC	CO//	30.	201m	Electronic expansion valv	re
V., C	Туг	oe e	OSIM 1	Axial, plastic fan blad	e Axial, plastic fan blade	Axial, plastic fan blade
Condensing fan	Qt	.y	0	1	2	2
	Power	input	W	90	90	90
Max power inpu	t		kW	4.1	5.8	8.2
Max working cui	rrent	V.C.	Acon	18	29	36
Pipe size	7.0	COLL	VI, S.	R1"	R1″	R1″
Evaporator type	W. S.	0		High ef	ficiency tank type heat e	xchanger
M-+ (13).	Cooling	(△ 5k)	m³/h	1.24	1.75	2.4
Water flow	Heating (\triangle	5k/ △ 10k)	m³/h	1.58/0.79	2.49/1.25	2.9/1.45
Water resistance		~()	kPa	40	45	46
Defiterent (Тур	oe .	CO.,	Willia.	R410A	100
Refrigerant	Charge a		kg	3.6	5.3	6.1
Working range	armi	-0 ²	°C	injo	-25°C-46°C	, c/c
Power supply	:00	10/10		^	1N~220V 50Hz	- COULT - VKB.
Dimension	10,		mm	1200x560x858	1000x560x1316	1100x620x1316
Noise level	~		dB(A)	54	56	56
Weight	W.	x0·	kg	122	150	170

Note: Without water pump and expansion tank, but with paddle flow switch



Air Cooled Mini Chiller and Heat Pump









Application areas

- Small Offices, Hotels, Hospitals
- Industry
- Administration
- Small commercial and residential buildings

Why this choice?

- Very high efficiency with R410A
- Very low noise operation
- R410A scroll compressors
- Advanced control
- Unit with pump and optional buffer tank
- Very compact for outdoor or indoor installation



Characteristics

Structure

Panels and base frame are made from galvanized steel protected with polyester powder painting to ensure total resistance to atmospheric agents.

Compressor

Hermetic scroll type compressor, equipped with the crankcase heater and thermal protection with thermal overload cut-out and crankcase heater mounted on rubber vibration isolators.

Axial fan

External rotor type axial fans, equipped with single phase direct drive motors, low noise 6 poles, protection level IP54, provided with a protective outlet grille.

Evaporator

High efficiency and low pressure drop stainless steel (AISI 316) water exchangers, with antifreeze heating element (option) and differential pressure switch, factory insulated with flexible close cell material.











Condenser

Coils are consisting of seamless copper tubes mechanically expanded into blue hydrophilic aluminum fins, 100% fully quality tested; sub cooling circuit to prevent freezing at the base (optional); protected with metal grill.

Desuperheater

High efficiency stainless steel brazed plate heat exchanger, factory insulated with flexible close cell material(optional).

Refrigerant circuit

Copper tube connection with charge valve, filter, sight glass, gas-liquid separator, thermostatic expansion valve, low pressure switch with automatic reset, high pressure switch with manual reset . The heat pump unit is completed also with 4-way valve, liquid receiver and one way valve



Water circuit

Built with air vent valve, water drain connection, and female-threaded hydraulic connectors Water pump (8kW-30kW), differential pressure switch

Expansion tank (8kW-30kW)

Electric panel

Compressor contactor Compressor protection breaker Fan motor protection breaker Control circuit protection breaker Phase sequence relay (only for 3-phase) Programmable microprocessor controller

Optional

Additional electric heater embedded in the coils for defrosting in low temperature ambient. It must be factory installed Stainless steel covering Remote condenser Tube in tube heat exchanger Water circuit electric heater

Model	Unit	AW20	AW25	AW30	AW35	AW40	AW50
Cooling *	W. S.	alu,		- NOW	iU		
Cooling capacity	kW	21.5	24.8	30	35.6	41	50.6
Cooling input (without water pump)	kW	8.2	9.03	9.39	13.2	15.02	18.8
EER	/	2.62	2.75	3.19	2.7	2.73	2.69
Heating **	V.C.,		0,	Ato.			0
Heating capacity	kW	26.3	29	34	41.8	47.2	60
Heating input (without water pump)	kW	8.7	9.23	9.43	14.3	15.57	20.45
COP	/	3.02	3.14	3.61	2.92	3.03	2.93
Hermetic compressor			~()	~0 _U .	~ C)\	ALUIT .
Туре	100	0/1/	, o	-KD.	all little	.50))°
Quantity/ circuit	00//	2/2	2/2	2/2	2/2	2/2	2/2
Evaporator		Dalu.			(1)		
Туре	/ 3	(00				ic _C	-010.
Water flow	m³/h	3.7	4.3	5.2	6.1	7.1	8.7
Water side pressure drop	kPa	38	39	42	50	52	52
Water connection size	mm	DN40	DN40	DN40	DN40	DN40	DN40
Circulating pump							
Power input	kW	0.75	0.75	0.92			-36-0
Axial fans				c/\	·W. _{O.,.}	χ?)	
Quantity	Nr.	100	1 ,	ر ^۸ آ	2	2	2
Airflow	m³/h	9000	9000	12580	17000	17000	22000
Overall dimension		40.	Wall.	£00°		111,	
Length	mm	1600	1600	1600	2000	2000	2000
Width	mm	900	900	900	900	900_0	900
Height	mm	1080	1080	1080	1080	1080	1080
Noise level ***	dB(A)	66	66	68	70	70	70
Net weight	kg	270	290	310	360	380	465

^{*} Ambient temperature 35°C; user side water in/out 12/7°C.

** Ambient temperature 7°C; user side water in/out 40/45°C.

*** Sound pressure measured at a distance of 1 m and a height of 1.5 m above the ground in an ideal field (fan side).













Air Cooled Modular Chiller and Heat Pump

65kW-260kW 💥 💥 🔀







Application areas

- Offices, Hotels, Hospitals
- Industry
- Administration
- Light commercial and residential buildings

Why this choice?

- Very high efficiency with R410A
- Very low noise operation
- R410A scroll compressors
- Advanced control
- Unit with pump and optional buffer tank
- Very compact for outdoor or indoor installation



Characteristics

The master module can work independently or together with up to 16 slave modules.

Units with V type heat exchanger: panels, frame and base are made from galvanized steel protected with polyester powder painting to ensure total resistance to atmospheric agents.

3-phase scroll type compressor, with builtin thermal overload cut-out and crankcase heater, mounted on rubber vibration dampers.

External rotor type axial fans, equipped with three phase direct drive motors, low noise 8 poles, protection level IP54, provided with a protective outlet grille.

Evaporator built with high efficiency Shell and tube type heat exchanger, factory insulated with flexible close cell material.

Condenser built with seamless copper tubes mechanically expanded into blue hydrophilic aluminum fins.

Refrigerant circuit complete with charge valves, filter drier, sight glass, gas-liquid separator, thermostatic expansion valve, high & low pressure switch. The heat pump unit is completed also with 4-way valve, liquid receiver and one way valve.

Hydraulic circuit built with galvanized pipe, complete with water discharge connection for tube in tube heat exchanger and flange type hydraulic connectors in two directions easy for connections from both sides of the units.

Electric panel consist of:
compressor contactor, fan motor contactor,
compressor protection breaker, fan
protection breaker, phase sequence relay and
microprocessor with function display (display
only for master/packaged unit)
Automatic operation dramatically reducing
maintenance cost thanks to reliable
microprocessor system.

Optional

Paddle flow switch; Metallic filter for hydraulic circuit; Water pump; Rubber antivibration mounting. Heat recovery functions



- High efficiency
- Low-sound levels
- High reliability









Model	Δ.		AW60	AW100	AW130	AW200	AW260
Cooling capacity*	V.0,	kW	65	97.5	130	195	260
Cooling power inp	ut	kW	20.8	31.4	42.1	63.6	84.2
Heating capacity*	* 1000	kW	68	102	136	204	272
Heating power inp	ut	kW	20.2	30.6	41	61.2	82
Max input power	<u> </u>	kW	24	35.7	47.7	71.4	95.4
Max input current	, _Q ,	Α	50	74	97	148	194
Cooling running cu	urrent	xo A	46	68	89	136	178
Start-up current	-143.	Α	167	187	206	374	412
Compressor	100° E		11.			W	X2.0
Power supply	10,	/	cC	\	380/3/50	x2.	a grilling
Brand/Type		100	olu.	743.	Daikin/Scroll	1111	0
Refrigerant	V.C.	001	340.	Ø3//	R410a	///	
Qty/refrigerant cir	cuit	Nr.	2	3	4	6	8 🔗
Cooling power inp	ut*	kW	2*9.4	3*9.63	4*9.77	6*9.63	8*9.77
Heating power inp	ut**	kW	2*9.1	3*9.36	4*9.5	6*9.36	8*9.5
Energy adjustment	t	%	·W.c.	0/70)-25-50-75-1(00	il.
Axial fan		-10.0v	12.00	W. S.	0/2		
Quantity	ow.	Nr.	2	@ ² 2	2	4	4
Power input		kW	2 .	2.5	3	5	6
Airflow		m³/h	24000	36000	48000	72000	96000
Evaporator							
Туре		of /		Shell ar	nd tube heat ex	kchanger 0	
Water flow when	cooling	m³/h	11.2	16.8	22.4	33.6	44.8
Water flow when	heating	m³/h	11.7	17.6	23.4	35.1	46.8
Water side pressu	ıre drop ***	kPa	46	52	55	52	55
Water connection	ı size	DN	50	50	65	2x50	2x65
Noise level***	`	dB(A)	70	72	72	74	75
Dimensions	·0		00,	Ka.	@3r.	.00	
W.	Length	mm	2000	2207	2207	2207	2207
V type coil	Width	mm	1060	1300	1300	2207	2207
arn'i	Height	mm	1957	2076	2076	2096	2096
Net weight	into	kg	620	1060	1120	2160	2280
Working weight		kg	635	1090	1155	2220	2350

^{*}Ambient temperature 35°C; evaporator water in/out 12/7 °C;

^{***} Ambient temperature DB 7 °C, WB 6 °C; condenser water in/out temperature 40/45 °C;

*** In the nominal water flow condition the pressure drop is between this range.

**** Sound pressure measured at a distance of 1 m and a height of 1.5 m above the ground in a dear field.



Air Cooled Screw Chiller and Heat Pump

150kW-1180kW 💥 💥 🔀







Application areas

- Offices, Hotels, Hospitals
- Industry
- Administration
- Medium and large commercial buildings

Why this choice?

- High efficiency with R410A
- Very low noise operation
- R410A screw compressors
- Advanced control
- Reduced total cost of ownership



Characteristics

The compressor

The unit is equipped with semi-hermetic screw compressor, compared with the piston compressor, semi-hermetic screw compressor has two advantages:

- Less parts(About 1/3 of the piston compressor), simple structure, less wearing parts, high reliability and long life.
- · Compressor suction and exhaust uniform, exhaust temperature is low, vibration is small, not sensitive to wet compression, anti-liquid strike ability.

Tube-fin air-cooled condenser

The tube-fin air-cooled condenser adopts the inverted "V" type layout, on the one hand, it improves the space utilization ratio, increases the heat exchange area, on the other hand, it improves the airflow and heat transfer efficiency, so that improve the unit's cooling and heating capacity.

Throttling equipment

For expansion valve, we select the most advanced products, with a compact overall design, rugged stainless steel diaphragm, and in a wide range of operating conditions to provide stable and accurate control.











Tube-shell evaporator

Using shell and tube structure, the outside is proceeded with fire-retardant, waterproof insulation materials, water side of the working pressure is 1.0MPa.

Evaporator with PVC plastic water board, corrosion resistance. Chilled water along the diaphragm up and down circuitous flow, in order to increase the spoiler effect to improve the evaporator heat transfer capacity.

Using the latest DAC corrugated spiral high efficiency heat transfer tubes, strengthen the fluorine side heat transfer capacity, improve the heat transfer coefficient to ensure that the unit good refrigeration and heating performance.

Electronic control

Air-cooled hot and cold water unit uses a microcomputer as the core of the control system, the control system control precision, anti-interference ability to ensure that the unit safe, reliable and economical operation. Energy regulation automatic control can make the unit always in the best economic mode point efficient operation. Protection function complete unit with

overload, short circuit protection, frost protection, high and low voltage protection, overheating protection and other functions.

Technical Data

Model	Unit	AW150	AW180	AW250	AW320	AW380	AW430	AW500
Cooling capacity *	kW	156	180	250	320	380	428	497.6
Heating capacity *	kW	180	198	276	353	416	474	550
Compressor			V.C//	~0(U.	40		- Miles	903
Qty	Nr.	1 0	1	<u></u> ₹0°1	1000	1	<u>0</u> 2	2
Cooling power input *	kW	49.3	54.2	77.4	96.7	114	131.6	154.8
Cooling current *	A	87.8	95.2	134	166	199	229.2	268
Heating power input *	kW	48.4	53.2	76	95	∂\112	129.2	152
Heating current *	А	86.5	93.7	132	164	196	225.7	264
Energy adjustment steps	step	4	4	, c ⁰ 4	40	4	8	8
Evaporator	W.	~ C _O /,	-01	.0.	23/11	1000	7	100
Water flow rate	m³/h	26.7	31	42.8	54.8	65	74	85.6
Water side pressure drop	kPa	41	41	42	42	42	42	43
Water pipe	DN	100	100	100	125	125	125	125
Axial Fan				'V.Cv.	· V:CO,		· (0. ·	Wall.
Fan motor number	Nr.	4	4	6	6	8	10	12
Power input	kW	4*2.2	4*2.2	6*2.2	6*2.2	8*2.2	10*2.2	12*2.2
Current input	A	4*5.6	4*5.6	6*5.6	6*5.6	8*5.6	10*5.6	12*5.6
Air flow	m³/h	68000	96000	144000	144000	196000	240000	288000
Dimensions	111			ci ⁽¹⁾	~W.C.	vo.	GO.	W. S.
Length	mm	2500	2500	3300	3590	4680	5800	6790
Width	, comm	2160	2160	2160	2160	2160	2160	2160
Height	mm 🕢	2450	2450	2450	2450	2450	2450	2450
Sound pressure level **	dB(A)	73	73	75	75	78	80	81
Net weight	kg	2050	2350	2750	3150	3650	4800	5250

Model	Unit	AW570	AW640	AW700	AW760	AW870	AW930	AW1000	AW1180
Cooling capacity *	kW	568	637.8	700	758	868	923.8	992.8	1172
Heating capacity *	kW 🔗	630	706	772	827	953	1014	1086	1264
Compressor	:,100		illi			c/\	c.S	Olds.	*9.0
Qty	Nr.	2	2	2	2	3	3	3	3
Cooling power input *	kW	174.1	193.4	210.7	228	268.8	286.4	309.6	348.2
Cooling current *	Α	300	332	365	398	467	497.2	536	600.4
Heating power input *	kW	171	190	207	224	264	281.2	304	342
Heating current *	Α	296	328	360	392	° 460	489.7	528	591.2
Energy adjustment steps	step	8	8	8	8.00	12	12	12	12
Evaporator		W.Cl.	7705	ν,	W. Jan	60	W	: 100	
Water flow rate	m³/h	97.4	109.7	120	130	149	159	170.8	201.6
Water side pressure drop	kPa	43	44	45	45	45	45	45	45
Water pipe	DN	125	150	150	150	150	150	150	200
Axial fan	11,,		, c/		W.O.		×8.	ann'i	
Fan motor number	Nr.	12	12	14	⁰ 16	18	18	18	20
Power input	kW	12*2.2	12*2.2	14*2.2	16*2.2	18*2.2	18*2.2	18*2.2	20*2.2
Current input	A	12*5.6	12*5.6	14*5.6	16*5.6	18*5.6	18*5.6	18*5.6	20*5.6
Air flow	m³/h	288000	288000	333600	384000	432000	432000	432000	576000
Dimensions			25		-010.0)//	- William	
Length	mm	6790	7190	8280	9370	10290	10580	10980	11780
Width	mm	2160	2160	2160	2160	2160	2160	2160	2160
Height	mm	2450	2450	2450	2450	2450	2450	2450	2450
Sound pressure level **	dB(A)	81	81	82	83	83	83	83	83
Net weight	kg	5600	6150	6900	7600	8900	9650	10000	11000
								-	

^{*} The performance values refer to the following conditions:



Cooling: ambient air temperature 35°C; evaporator water in/out temperature 12/7°C.
Heating: ambient air temperature DB 7°C, WB 6°C; condenser water in/out temperature 40/45°C.
** Sound pressure measured at a distance of 1 m and a height of 1.5 m above the ground in a clear field.











Water Cooled Packaged Unit

2.5kW-45kW 💥 💥 🔀







Application areas

- Offices, Hotels, Hospitals
- Industry
- Administration
- Commercial buildings

Why this choice?

- Saving space
- Galvanised steel construction
- AMWCP are well insulated to minimise condensation and attenuate noise.



Characteristics

Structure

Galvanised steel construction, closed cell foam lined compressor and fan compartments, with an insulted and powder coated drain tray for complete moisture protection, the drain tray is easily removed for inspection and cleaning.

Refrigerant

Each unit is factory charged with refrigerant R410a, which is deemed to have zero ozone depletion potential.

Hermetic compressor

Single phase rotary compressor is used for this type unit, with built-in thermal overload cutout, mounted on rubber vibration dampers.

Centrifugal fan

High efficiency, double inlet centrifugal fan Protection level IP44. Low noise, low speed, big air flow and high ESP.

Water side heat exchanger

High efficiency coaxial heat exchanger, factory insulated with flexible close cell material.

Air filter

An optional filter integrated return air spigot is available on all models. The filter is a washable polypropylene net media. Care should be taken, when locating each unit, that to enough space is provided to enable the one-piece filter to be withdrawn to its full length from either side of the unit.

Insulation

AMWCP are well insulated to minimise condensation and attenuate noise.

Electric heater(optional)

Electric heater is optional on cooling only versions. Electric elements have spirally wound stainless steel fins to give increased area and low surface temperature. They are totally enclosed within the unit and are supplied with safety cutouts. An optional fan run-on timer for rapid heat dissipation is available.

Electric panel

Consists of:
Compressor contactor
Compressor protection breaker
Microprocessor with function display

All models are equipped with wire controller with the following features

- 7 days programmable timer
- Auto random restart
- Error self diagnostic

Safety protection

High pressure switch Low pressure switch Discharge temperature protection Anti freezing protection











Model		Unit	WCP2.5	WCP3.5	WCP5	WCP7	WCP10	WCP12
Nominal co	oling capacity	kW	2.5	3.5	5.0	7 1	10	12.2
Cooling pov	wer input	kW _	0.71	0.98	1.4	1.92	2.8	3.32
Nominal he	ating capacity	kW	3	4.5	6.4	8.1	12.2	14.5
Heating pov	wer input	kW	0.72	1.07	1.5	2	2.9	3.25
Power	CC		om.o.	A. O.	220V/1P	h/50Hz		
Minimum w	viring specification	, X	2×1.5mm	² +1×1 mm ²	2×2.5mm ² +	1×1.5mm ²	2×4mm ² +	1×2.5mm ²
Compressor	type				Rota	ary		
Air flow am	ount	m³/h	490	680	950	1280	1900	2160
External sta	itic pressure	Pa	60	60	120	120	160	200
Dofrigorant	Type	, c	0//	~4.0·	R41	0A	16.	
Refrigerant	Charge	Kg	0.4	0.6	0.85	1.1	1.7	1.9
Condenser	Туре			Tube	in tube coaxi	al heat excha	inger	COU.
Fan	Туре	V.		High e	fficiency low n	oise centrifu	gal fan	Ulson
raii (Power				220V/1P	h/50Hz		
Evaporator	Type		H	igh efficiency o	copper tubes a	luminum fin	s heat exchang	ger
Water flow	amount	m³/h	0.4	0.6	0.9	1.2	1.7	2.1
Water press	ure drop	Кра	8	8	10	14	16	و <u>ت</u> 20
Diameter of	f water in/out pipe	mm		V.C _C	DN:	20	Water.	
Diameter of	f condensing pipe	mm		0//	DN:	25	in to the	./
U.C.L.	L com	mm	910	1260	1310	1210	1320	1410
Dimension	W	mm	660	660	710	790	790	790
03	H (n)	mm	350	350	450	450	450	450
Weight		kg	70	75	90	100	130	135
Noise level	V.C.	dB(A)	54	54	57	57	60	60
	7/4	V	(1)	A 0				

- Norminal cooling capacity test condition: Water side water inlet/outlet 30°C/35°C, Ambient temperature DB 27 °C, WB 19 °C.
 Norminal heating capacity test condition: Water side water inlet 20°C, Ambient temperature DB 20 °C, WB 15 °C.
 Noise level measured in the noise lab with background noise of 25 dB(A), at a distance of 1 m.
 As our continuous products improvement, Amrta reserves the right to change specifications and design without notice.

Model		Unit	WCP14	WCP18	WCP23	WCP30	WCP35	WCP45
Nominal cooling	g capacity	kW	14.4	18	23	30	34	46
Cooling power i	nput	kW 👩	4.06	5.1	6.18	7.8	8.26	11.6
Nominal heating	g capacity	kW	17.3	22.6	25.9	30	35.4	49
Heating power i	input	kW	4	5.6	6.86	8.6	9.1	12.84
Power	~ c/s		220V/1Ph/50Hz	(a.C	380)V/3Ph/50)Hz	(00
Minimum wiring	specification	~***	2×6mm ² +1×	4mm ²	3×2.5mm ² +	1×1.5mm ²	3×4mm ² +	1×2.5mm ²
Compressor typ	e milita	(9) Str.	Rotary		. ()	Scroll	, c/,	00///
Air flow amount	(O)	m³/h	2500	3200	4000	5200	6200	8000
External static p	ressure	Pa	200	200	250	250	250	250
Type	e <u>n</u> ich		, or other parties of the parties of	(R410A	500°	10,	
Refrigerant Cha	rge CO	Kg	2.2	3 100	4	4.8	6	8
Condenser Typ	e	;00°	in ^{fo}	Tube in	tube coaxial h	eat exchang	ger	COUL
Тур	e			High effic	iency low nois	e centrifuga	al fan	40.
Fan Pow	ver		c _U 20 _U		220V/1Ph/!	50Hz	. (O)	
Evaporator Typ	e <u> </u>	, a : co//	High eff	iciency cop	per tubes alun	ninum fins h	neat exchange	er
Water flow amo	unt	m³/h	2.4	3.1	4	5.2	5.8	7.9
Water pressure	drop	Кра	20	23	26	30	33	33
Diameter of wat	ter in/out pipe	mm	DN20		COLL	DN40	Ø3tu.	٤(
Diameter of cor	densing pipe	mm	, co//	W.	DN25	3/(//	:(100	10
,cc L		mm	1680	1680	2170	1975	2230	2430
Dimension W	.02	mm	930	930	1030	1030	1130	1130
H	14/00	mm	450	600	500	650	650	900
Weight		kg	140	155	170	200	200	245
Noise level	V:0//	dB(A)	63	66	66	68	68	69

- 1. Norminal cooling capacity test condition: Water side water inlet/outlet 30°C/35°C, Ambient temperature DB 27 °C, WB 19 °C 2. Norminal heating capacity test condition: Water side water inlet 20°C, Ambient temperature DB 20 °C, WB 15 °C.

- 3. Noise level measured in the noise lab with background noise of 25 dB(A), at a distance of 1 m.
 4. As our continuous products improvement, Amrta reserves the right to change specifications and design without notice.













Rooftop Packaged Unit

12kW-300kW 🗱 💥 👺







Application areas

- Large and light Commercial buildings (Retail, Airports, Restaurants, shops, petrol stations...)
- Cinemas, Theaters
- Industrial buildings and Logistic centers

Why this choice?

- Energy efficient solution
- Cost effective package for fast and easy installation
- Multiple heating options available
- Fresh air control and free cooling management
- Wide choice of communication interfaces



Characteristics

Structure

Panels and frame are made from galvanized steel protected with polyester powder painting to ensure total resistance to atmospheric agents.

Direct expansion coils with condensate drain tray.

Hermetic compressor

High efficiency scroll compressor for the whole range, with built-in thermal overload cut-out and crankcase heater, mounted on rubber vibration dampers.

Ripple type acoustic insulation for compressor section, and thermal insulation for coil and fan section, low noise.

Centrifugal fan

Forward curve centrifugal fans for air treatment section and axial fans for condensation section. Front, side and underside air discharge of the treatment unit.

High external pressure, long air supply distance.

Electric panel

Electric panel consists of breakers and contactors for compressors and fan motors, phase sequence relay and other necessary protection devices for the main components.

Easy operation line controller

Cooling/Heating/Auto Error indication Timing on/off

Optional

Economizer with fresh, return air dampers and fresh air hood

Free cooling function for low ambient temperature

Low ambient control device for operation of outdoor units at ambient temperatures from less than

20°C down to -10°C

BMS devices

T3 (Tropical climate)

Roof curb

Metal/aluminum filter

Heat recovery to 100%

Evaporating section: double skin with 50mm polyurethane foam

Optional water heating coil

Metal or plastic mesh on condenser coil

Optional supply/return air configurations

Upgraded plug fan

G4 filter, plate and bag filter















Model		<u> </u>	RTU12	RTU15	RTU18	RTU24	RTU30	RTU35
Cooling capacit	y Sign.	kW	12	15.2	17.5	24	30.3	35.6
Heating capacit	y X	kW 0	13.2	16.6	18.4	26.5	33.3	37.7
Power supply	-0 ²	injo			380V / 3	3Ph / 50HZ	COL	40.
Cooling power i	nput	kW	4.1	5.3	5.5	8.8	11.3	12.3
Heating power	input	kW	3.8	4.8	5.1	8.2	10.4	11.3
Start current	COLL	A X	48	62	63	63	74	76
Working curren	t in cooling	A	7.4	9.7	10.2	16.1	21.2	23.3
Working curren	t in heating	A	6.9	9.2	9.7	15.1	20.1	22.2
Throttle metho	ds	///	-0	V.C./	Thermal exp	oansion valve	Ø. (D.S.C.
Circuits	-0		n 1	CA ^C	1000	1 6000	2	2
Refrigerant	OW.	×0.	V	- Cliffy	R4	10A		
c c _{0///}	Туре	agrill.	(0)	Scro	Il type 38	30V / 3Ph / 5	0HZ	.V.C()
Comp.	Qty	(O)	1 1/1	1	1 ,0	1	2	2
Condensor side	, 			× C()	olu,	70.	all	(Co
Condensor	Type	Α.	30	COL	Al+cop	per tube	30.3 33.3 11.3 10.4 74 21.2 20.1 2 50HZ 2 1 0.75 12600 1 1.5 5200 Belt drive 200	
25	Qty	COV	1	nite 1	200 1	101	1	1
A.:-1.5	Drive		in it	Direc	t drive		-47.	
Axial fan	Motor power	kW	0.25	0.37	0.37	0.55	0.75	0.75
	Air flow	m³/h	4600	7800	7800	9000	12600	12600
Evaporator side		V. C/L		COLU.	10.	- alulia	300	101
Evaporator	Туре	.a.co	~4	3· ·	Al+cop	per tube	117	
V.,	Qty	U.C.	1000	1 (100	1	1	1	on 1
Cantrifuentifue	Motor power	kW	0.32	0.37	0.45	1.1	1.5	2.2
Centrifugal fan	Air flow	m³/h	2100	2600	3400	4100	5200	6300
	Drive	, c/\	c	Direct drive	₩.	- Miles	Belt drive	injo
External static p	oressure (Pa)	co _{ll} .	100	100	100	200	200	250
Filter	, Alice		(0) ³ //	00	Aluminum fi	rame filter G3	d	()
Noise level dB(4)		67	67	68	710	72	72
300	L initial	mm	1410	1410	1410	1978	1978	1978
Dimension	W	mm	1100	1100	1100	1175	1175	1175
	H c	mm	1095	1095	1095	1095	1095	1095
Weight	N. S.	kg	240	260	290	420	480	500

^{*} Performance values refer to the following conditions:

Cooling: room air temperature 27.0°C DB RH 50%, ambient air temperature 35°C;

Heating: room air temperature 20.0 °C DB, ambient air temperature 7 °C DB / 6 °C WB.

^{**} Noise level measured by adopting average value in the noise lab with background noise of 25 dB(A), at a distance of 1.5m high fan speed.

Model	9am	c	RTU45	RTU50	RTU60	RTU72	RTU90	RTU105
Cooling capacit	y wo	kW	44.5	50	of 60	70	90	105
Heating capacit	Y	kW	48.7	54.3	64	75.4	96.2	113.2
Power supply		30	00,	140.	380V / 3	3Ph / 50HZ	000	
Cooling power i	nput	kW	17	19.5	22.8	26.7	32.9	39.7
Heating power	input	kW	15.6	18	21	24.8	30.4	36.7
Start current		A in	168	186	175	199	197	266
Working curren	t in cooling	Α	31.7	35.6	39.9	48.3	61	70.6
Working current	t in heating	А	29.9	33.5	37.5	45.4	57.3	66.3
Throttle method	ds of		XQ.	Str.	Thermal exp	oansion valve		(
Circuits	Mis.	23/1	2		2	2	3	3 000
Refrigerant	-0 ²			//	R4	10A	-010.	740.
6	Туре	11.	. ^	Scro	ll type 38	30V / 3Ph / 5	0HZ	Dall.
Comp.	Qty		2	2	2	2	3	3
Condensor side		x?	,,,	Wig.	, O	(10		
Condensor	Туре	- Mille		0)27	Al+cop	per tube	-0	~ C()
	Qty		1 1/1	1	1	1	2	202
leating capacity ower supply cooling power in teating power in teating power in teating power in teating current working current working current throttle method circuits defrigerant comp. Condensor side condensor waporator side evaporator Centrifugal fan content teating fan content in teating fa	Drive	77		° CU	Direc	t drive	, (C	Villa.
AXIdi Idii	Motor power	kW	of 1.1	1.5	1.5	2.2	2x1.1	2x1.5
	Air flow	m³/h	16500	21000	21000	27000	33000	42000
Evaporator side	×9.	Mila.		3/1	0	//		
Evaporator	Туре	0)31	10,100	//	Al+cop	per tube	CU	COL
300	Qty		1	1	100	1 0	1	1
Contributed for	Motor power	kW	3	3	4	4	5.5	5.5
Centrifugai fan	Air flow	m³/h	7600	8500	10900	12500	16000	19500
	Drive	W. S.	- Stute	Direct drive		11/100	Belt drive	
External static p	pressure(Pa)		250	250	300	300	300	300
Filter	info		11,	^	Aluminum fr	rame filter G3	*%.00	
Noise level dB(/	A)		73	73	73	75	74	75
	Lon	mm	2268	2268	2298	2298	2878	2878
Dimension	Ŵ	mm	1440	1440	1650	1650	2140	2270
	H	mm	1167	1167	1400	1400	1964	1964
	11 200		201107	1/1/07	1700	1 100	1301	1501

^{*} Performance values refer to the following conditions:
Cooling: room air temperature 27.0°C DB RH 50%, ambient air temperature 35°C;
Heating: room air temperature 20.0°C DB, ambient air temperature 7°C DB / 6°C WB.

** Noise level measured by adopting average value in the noise lab with background noise of 25 dB(A), at a distance of 1.5m high fan speed.









Model	OZIO)		RTU120	RTU140	RTU150	RTU180	RTU210	RTU300	
Cooling capacity	: 100	kW	120	140	149	180	210	298	
Heating capacity	71.	kW	128.3	150	159.2	192.5	226	318	
Power supply	COL		00//	10.	380V / 3	Ph / 50HZ	0,0	///	
Cooling power in	put	kW	45.1	55.7	55.1	69.9	83	106.7	
Heating power in	put	kW 0	41.7	51.8	51.5	64.8	77	100	
Start current	(0)	A	218	252	323	232	301	415	
Working current i	in cooling	А	82.4	101.4	100.2	130.9	151	192.3	
Working current i	in heating	Α	77.4	95.7	95.1	123.5	142.3	184.3	
Throttle methods	· coll	x2.0)	Sku	Thermal exp	ansion valve			
Circuits	Mis.	3KU	4	4	2	6	6	4,000	
Refrigerant	(C)	. 10 O	//		R4	10A	-010.0	40.	
Community in the	Туре			Scro	II type 38	30V / 3Ph / 5	0HZ	Wall.	
Compressor	Qty	, c(4	604	2	6	6	4	
Condensor side		* %· CO.	d	ntio.	0	(0			
Condensor	Туре	- Multi	(O)		Al+cop _l	per tube	c()	~ .c/,	
(10.	Qty		2	2	2	4	√ ² 4	04	
xial fan	Drive		Direct drive						
AXIdI IdII	Motor power	kW 🔗	2x1.5	2x2.2	2x2.2	4x1.1	4x1.5	4x2.2	
	Air flow	m³/h	42000	54000	54000	66000	84000	108000	
Evaporator side	· %· CO.	143.	(D)	300	<i>y</i>	///		V C/J	
Evaporator	Type	,	11/100		Al+cop _l	per tube	(COLL	
3000	Qty		1	_ 1	A.C.	1 0	1 1	1	
Contribunal for	Motor power	kW 🕜	7.5	<u></u>	, 911	15	15	18.5	
Centrifugal fan	Air flow	m³/h	21000	25000	26000	32000	38000	54000	
	Drive	Ø.	- Stulle	(00)	Belt	drive		. ^	
External static pr	essure(Pa)		400	400	400	500	500	500	
Filter	in ^{to}			^	Aluminum fr	ame filter G3	*3·C		
Noise level dB(A))		75	79	79	80	80	82	
	c/L	mm	3626	3626	3626	4690	4690	5660	
Dimension	W	mm	2200	2200	2200	2330	2330	2330	
	H AM	mm 🐰	2047	2047	2047	2055	2055	2055	
Weight	500	kg	1710	1820	1850	2180	2430	2860	

^{*} Performance values refer to the following conditions:
Cooling: room air temperature 27.0°C DB RH 50%, ambient air temperature 35°C;
Heating: room air temperature 20.0°C DB, ambient air temperature 7°C DB / 6°C WB.

** Noise level measured by adopting average value in the noise lab with background noise of 25 dB(A), at a distance of 1.5m high fan speed.



Tent Packaged Unit

14kW-100kW 🗱 💥 👺







Application areas

- Outdoor big tents
- Hospitals, warehouses, schools, offices, hotels, theaters
- Outdoor events: exhibitions, wedding ceremonies, birthday parties, beer festivals, sporting events

Why this choice?

- Self-contained packaged design
- Easy transportation
- Simple power connection
- Special unit structure design
- Long distance air supply



Characteristics



Self-contained package design

Easy installation with just connecting condensate drainage and electrical power supply, equipped with connecting plug.



Special unit structure design

The tent wall can be installed in between of evaporator and condenser with the gap of 100-150mm.



Plenum chamber

3 meter height with better air circulation and strong air flow.



Digital controller

LED display, timer display, fan speed display, temperature display, error code display, mode display.



Long distance air supply

High external static pressure (max 350 pa) with 30 meter air throws.



Easy maintenance

Air filter is easily dismantled and cleaned.









Model	c0		TA14	TA28	TA42	TA56	TA84	TA100	
Power supply	W. j.	V~/PH/HZ		Millo	380/	3/50			
-0/1/2	*%.	kW	14.0	28.0	42.0	56.0	84.0	100.0	
Capaci	ity	HP	5	10	15	20	30	36	
		Btu/h	48000	96000	144000	192000	290000	340000	
Cooling Power	input	kW	4.90	9.80	14.80	19.80	29.80	35.60	
Runnii	ng current	A offi	8.7	7 17.5	26.1	34.9	51	71.7	
Start c	urrent	Α χο.	26.0	35.0	52	70	95	95	
EER	N. S.	W/W	2.86	2.86	2.84	2.83	2.82	2.81	
E.S.P	(A)	Pa	150	150	250	250	350	350	
3(4,	Fin material type			A Hyd	rophilic louve	ered aluminur	n fin	2 Stur	
Evaporator	Tube material type	, or	~C	Innei	groover tube	type	350	9	
	Number of row	COLL	3 🔊	4	4	. 4	5	5	
~U.O.	Type		3/1	1000	High efficien	cy centrifuga		20	
Evaporator fan	Air discharge type	3	300	//	Top discharge	2	CL	- Mr.	
	Rated ESP air flow		2500/1800	5000/3200	8000/5500	10000/7000	12000	15000	
://00	Fin material type			Hydrophilic louvered aluminum fin					
Condenser	Tube material type	, vic	~ C _O /,	Inne	rgroover tube	e type	400		
	Number of row	00//	2	4	3	3	4	4	
W. P.	Туре	10.	0		High effic	iency axial		V.C()	
Condensing far	Air discharge type	(1)	0	//	Top dis	scharge		CO//	
Condensing rai	Rated air flow	m³/h	5000	11000	16000	22000	32000	35000	
	Numbers	Pcs	1,0	1	⁰ 2	2	2	2 (
Refrigerant	Туре	-0(V.	60/	Miles	R4	10A	10,50		
, c/,	Width	mm	1060	1060	1060	2200	2200	2200	
Unit dimension	Depth	mm ()	1270	1700	1940	2360	2900	3600	
ainit	Height	mm (2210	2210	2660	2660	2660	2660	
Unit noise leve	1111	dB(A)	65	67	70	75	710	71	
Unit weight		kg	320	450	560	650	1680	1840	
	.(\)	\.\\\	U	- 70	0.0				

Notes:

Nominal cooling capacities are based on the following conditions:Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.



Ducted Split Unit

20kW-104kW 🗱 💥





Application areas

■ Wide application as hotel, apartment, villa, factory, shopping center, office building, school, etc.

Why this choice?

- High efficiency: Adopts famous brand compressor, multi-level adjustment, high efficiency anti-corrosion hydrophilic aluminum foil, which make the efficiency up to 30%.
- Extraordinary performance: Adopts wellknow brand opponents, such as EMERSON, SPORLAN, DANFOSS brand etc.
- Intelligent control: Micro computer control, cooling, heating, auto, ventilation can be free switching.



Characteristics

11 sizes available ranging from 19.5 kW to 103.7 kW cooling capacity.

Cooling only and heat pump version. Wide application as hotel, apartment, villa, factory, shopping center, office building, school, etc.

Panels and frame are made from metal steel protected with polyester powder painting to ensure total resistance to atmospheric agents. High efficiency scroll compressor for the whole range, with built-in thermal overload cut-out and crankcase heater, mounted on rubber vibration dampers.

Compact indoor design, long air supply distance.

Outdoor units are equipped with low noise axial fans.

Indoor units are equipped with quiet centrifugal fans.









Split installation, connected by means of flare/ welding coupling.

Easy operation line controller:

- · Cooling/Heating/Fan/Auto
- Error indication
- Timing On/Off
- Multi safety protection
- · High/low pressure protection

- Overheat protection
- Current overload protection
- Phase sequence relay
- Time delay and antifreeze switch

Optional

- · Additional electric heater on indoor unit
- · Additional heating coil on indoor unit

Technical Data

Model	- AUG	Unit	AA20	AA25	AA32	AA36	AA42	AA48
Nominal cool	ing capacity*	kW	19.5	24.8	31.2	35.6	41.3	47.4
Nominal heat	ting capacity**	kW	22.6	28.9	35.8	40.8	46.9	54.4
Connection	V C/L	0.	X0.00		(0.	00	10,00	
Method	CO//, XØ-CO	/	Flare	Flare	Flare	Welding	Welding	Welding
Liquid pipe	diameter	¢ mm	9.52x2	12.7x2	12.7x2	15.88x1	15.88/12.7	15.88/12.7
Gas pipe di	ameter	¢ mm	15.88x2	19.05x2	19.05x2	28x1	28/19.05	28/19.05
Power supply		/			230V/3	N/60Hz		
	Compressor	3/7	-0/N.	×0.		Mille	:00	14/10
	Qty/refrigerant circuit	Nr.	2/2	2/2	2/2	0 1/1	2/2	2/2
	Cooling power input*	kW	7.2	9.3	11.8	12.8	15.1	17.9
	Heating power input**	kW	7.13	9.21	11.68	12.67	14.95	17.72
	Energy adjustment	%	50-100	50-100	50-100	0-100	40-60-100	33-66-100
Outdoor unit	Axial fans		V.C()	700	ν,	10.	affile	. (OO)
	Quantity	Nr.	, c9	1,0	1 2	1	2	2
	Airflow	m³/h	9400	9400	12500	14200	18800	18800
	Sound pressure level***	dB(A)	67	67	68	70	71	71
	Net weight	kg	170	180	220	280	260	280 📈
	Centrifugal fans		^	V.0		CO(L)	243.	-2/1/1
	Quantity	Nr.	2	200	2	2	2	2
1 1 2	Airflow	m³/h	3500	4500	5650	6450	7400	8550
Indoor unit	ESP	Pa	120	100	150	130	180	200
	Sound pressure level***	dB(A)	64	64	66	66	68	68
	Net weight	kg	90	100	150	160	180	200
Additional ele	ectric heater***	kW	2×3	2×4	2×5	2×6	2×6	2×8
Additional he	eating coil****	kW	22.2	28.4	35.1	40.0	46.0	53.3
	· · · · · · · · · · · · · · · · · · ·	- 0		.00	A0	(1)	7	

Performance values refer to the following conditions:

^{*} Cooling capacity is measured under the condition: indoor temperature DB 27°C/WB 19°C, ambient temperature DB 35°C/WB 24°C.

^{**} Heating capacity is measured under the condition: indoor temperature DB 20°C / WB 15°C, ambient temperature DB 7°C / WB 6°C.

^{***} Sound pressure measured at a distance of 1 m and a height of 1.5 m above the ground in a dear field.

^{****} Optional as request.

Unit	AA52	AA62	AA72	AA88	AA104
kW	51.3	63.3	71.3	87.9	103.7
kW	58.9	72.6	81.9	100.0	115.8
"	100		C()	co _{ll}	×3.00
/	Welding	Welding	Welding	Welding	Welding
¢ mm	15.88/12.7	15.88×2	15.88×2	15.88×2	19.05×2
¢ mm	28/19.05	28×2	28×2	28×2	35×2
/	- 100°	injo	230V/3N/60H	Z	
	///		, cr	- 10. in	180.00
Nr.	2/2	2/2	2/2	2/2	2/2
kW	18.4	23.1	26.6	28.1	39.3
kW	18.22	22.87	26.33	27.82	38.91
%	30-70-100	50-100	50-100	50-100	50-100
illy	,		cs.	LOW.	~~.co,,
Nr.	2,00	2 00	2	2	2
m³/h	21500	26500	29880	36500	43500
dB(A)	71	71	71	71	71
kg	330	460	460	780	800
10		. ď) ((···	×3.0
Nr.	2	2	2,0.0	2	2
m³/h	9250	11450	12900	14800	17100
Pa	200	300	300	280	500
dB(A)	68	68	69	69	70
kg	220	230	300	320	400
ing.					
kW	2×8	2×10	2×10	2×12	2×14
	kW kW / ¢ mm / mm / Nr. kW kW % Nr. m³/h dB(A) kg Nr. m³/h Pa dB(A)	kW 51.3 kW 58.9 / Welding ¢ mm 15.88/12.7 ¢ mm 28/19.05 / Nr. 2/2 kW 18.4 kW 18.22 % 30-70-100 Nr. 2 m³/h 21500 dB(A) 71 kg 330 Nr. 2 m³/h 9250 Pa 200 dB(A) 68	kW 51.3 63.3 kW 58.9 72.6 / Welding Welding ¢ mm 15.88/12.7 15.88×2 ¢ mm 28/19.05 28×2 / Nr. 2/2 2/2 kW 18.4 23.1 23.1 kW 18.22 22.87 % 30-70-100 50-100 Nr. 2 2 m³/h 21500 26500 dB(A) 71 71 kg 330 460 Nr. 2 2 m³/h 9250 11450 Pa 200 300 dB(A) 68 68	kW 51.3 63.3 71.3 kW 58.9 72.6 81.9 / Welding Welding Welding ¢ mm 15.88/12.7 15.88×2 15.88×2 ¢ mm 28/19.05 28×2 28×2 / 2/2 2/2 28×2 / 2/2 2/2 2/2 kW 18.4 23.1 26.6 kW 18.22 22.87 26.33 % 30-70-100 50-100 50-100 Nr. 2 2 2 m³/h 21500 26500 29880 dB(A) 71 71 71 kg 330 460 460 Nr. 2 2 2 m³/h 9250 11450 12900 Pa 200 300 300 dB(A) 68 68 69	kW 51.3 63.3 71.3 87.9 kW 58.9 72.6 81.9 100.0 / Welding Welding Welding Welding \$\psi\$ mm 15.88/12.7 15.88×2 15.88×2 15.88×2 \$\psi\$ mm 28/19.05 28×2 28×2 28×2 \$\psi\$ mm 28/19.05 28×2 28×2 28×2 \$\psi\$ Nr. 2/2 2/2 2/2 2/2 2/2 \$kW 18.4 23.1 26.6 28.1 28.1 28.2 <t< td=""></t<>

Performance values refer to the following conditions:

* Cooling capacity is measured under the condition: indoor temperature DB 27°C/WB 19°C, ambient temperature DB 35°C/WB 24°C.

** Heating capacity is measured under the condition: indoor temperature DB 20°C/WB 15°C, ambient temperature DB 7°C/WB 6°C.

*** Sound pressure measured at a distance of 1 m and a height of 1.5 m above the ground in a dear field.

**** Optional as request.











Water Cooled Scroll Chiller

80kW-160kW 🗱 💥 🔀







Application areas

Industry process, precision, traditional manufacturing, food processing, government project, pharmaceutical.

Why this choice?

- High efficiency scroll compressor, shell and tube type and environment friendly R410a Refrigerant.
- Multi units parallel technology, more compressors parallel design to save more power, heat recovery function.
- Micro computer control, each modular unit running independently. Integrated control is an optional.



Characteristics

The master module can work independently or together with up to 7 slave modules, flexible design, stable performance, easy maintenance.

Reusable: using solar energy stored in earth as cooling & heating source.

Panels and frame are made from galvanized steel protected with polyester powder painting to ensure total resistance to atmospheric agents.

3-phase scroll type compressor, with built-in thermal overload cut-out and crankcase heater. mounted on rubber vibration dampers.

Shall and tube type evaporator, factory insulated with flexible close cell material. Shall and tube dry expansion type condenser, factory insulated with flexible close cell material. The refrigerant circuit is complete with filter drier, direct expansion valve, high and low pressure switch.

Acting as multi-function unit such as cooling, heating, with heat recovery function producing hot water for domestic use.

LCD display as standard

Automatic operation dramatically reducing maintenance cost thanks to reliable microprocessor system.

Wide application as hotel, apartment, villa, factory, shopping center, office building, school, etc.

Electric panel

consists of:

Compressor breaker

Compressor contactor

Phase sequence relay

Control circuit breaker

Microprocessor with function display

Optional

Desuperheater as optional Electronic controller with BMS system.

Technical Data

Model		WW80	WW120	WW160
Water cooled conditions	Cooling capacity(kW)	80	120	160
water cooled conditions	Cooling power input(kW)	15.5	23.5	31.0
×0.00	Type	Danfoss	/Copeland scroll compi	ressor
Compressor	Power input		380V/3N-50Hz	, K. P
	Qty	.m. 2	3	4
, c/c	Type	Shell	and tube heat exchang	jer
	Water resistance(kpa)	O°	40-60	-C
Vlassida lasat Malassas	Fouling factor(m ² .°C/kw)	ilijo	0.086	-01/N.
Jser side heat exchanger	Pipe size (mm)	DN6	55	DN80
	Connetion type	² CO _{CC}	Flange	93 ₁₀
	Water flow rate(m³/h)	13.8	20.5	27.5
, ch	Type	Shell	and tube heat exchange	jer
	Water resistance(kpa)	inju	40-60	V.C.
Source side heat	Fouling factor(m ² .°C/kw)		0.086	CON
exchanger	Pipe size (mm)	DN6	55	DN80
	Connection type	X2.	Flange	101
	Water flow rate(m³/h)	16.5	24.5	32.8
XQ.	Length(mm)	2110	2110	2530
Dimension	Width(mm)	620	620	650
Dillicipion	Height(mm)	1365	1365	1410
Noise level≤dB(A)	Vicu, coluis	67	67	67
Unit weight (kg)	2000.	560	800	1050
0/,	- V.	100		

Note: 1. Cooling condition: User side water inlet/outlet 12°C/7°C, Source side water inlet/outlet 30°C/35°C 2. Power supply: 3P-380V-50Hz.













Water Cooled Screw Chiller

130kW-2500kW







Application areas

■ Industry process, precision, traditional manufacturing, food processing, government project, pharmaceutical.

Why this choice?

- High efficiency screw compressor, shell and tube type and environment friendly R410a refrigerant.
- Multi units parallel technology, more compressors parallel design to save more power, heat recovery function.
- Micro computer control, each modular unit running independently. Integrated control is an optional.



Characteristics

29 sizes available ranging from 130kW to 2500kW cooling capacity.

Acting as multi-function unit such as cooling, heating, sanitary hot water separately or simultaneously.

Wide application as hotel, apartment, villa, factory, shopping center, office building, school, etc.

Semi- hermetic screw compressor for the whole range. Each compressor is equipped with a crankcase heater and a built-in electronic

protection with temperature sensor located directly in the motor winding and on the discharge line.

The refrigerant circuit is complete with sight glass, filter drier, high and low pressure gauges, solenoid valve, electronic expansion valve, high and low pressure switch.

Shell and tube dry expansion type condenser, factory insulated with flexible close cell material.

Shell and tube evaporator, higher efficiency less water consumption, easy maintenance and cleaning, factory insulated with flexible close cell material.

The electric panel consists of compressor breaker, compressor contactor, phase sequence relay, control circuit breaker, microprocessor control with function display.

LCD display, touch screen control panel as standard.

Automatic operation dramatically reducing maintenance cost thanks to reliable microprocessor system.

An infinitely variable capacity control system that is capable of exactly matching the demand requirement of the system is to be supplied. This system is to provide precise and stable control of supply water temperature over the complete range of operating conditions.

Optional

Desuperheater as optional. Electronic controller with BMS system.

Technical Data

Model	Unit	WW130	WW170	WW200	WW240	WW260	WW280	WW310	WW360	WW380	WW420
Cooling capacity*	kW	130	170	200	240	260	280	310	360	380	420
Power supply	50	7.00	- 20	J.Co.	380-4	15V/3P	h/50Hz		//		-0
Compressor	all le		00		in ^{fo}					_(7.0
Qty/refrigerant circuit	ONr.	1/1	1/1	1/1	1/1	1/1	1/1	1/1.0	1/1	1/1	1/1
Cooling power input*	kW	26	33	39	47	51	55	61	71	75	83
Energy adjustment steps	step	CU		W.	د	25%-	100%	N. C.	(,0),	10/01
Max.current for writing	Α	69	87,	108	128	154	158	161	165	175	185
Refrigerant charge	kg	32	39	46	55	60	64	68	85	100	107
Evaporator	3(1)	<u>c</u>	00,		10,			25		'V.	
Water side pressure drop	kPa	42	45	45	45	45	46	46	46	47	46
Pipe size	mm	DN65	DN80	DN100	DN100	DN100	DN100	DN100	DN125	DN125	DN125
Water flow rate in cooling*	m³/h	22	29	34	410	45	48	53	62	65	72
Condenser	co _U		Mig.		- Strill		:00)		William		
Water side pressure drop	kPa	42	45	44 50	9 44	45	45	44	44	44	42
Pipe size	mm	DN65	DN80	DN100	DN100	DN100	DN100	DN100	DN125	DN125	DN125
Water flow rate in cooling*	m³/h	27	35	41	49	54	58	64	74	78	86
Dimensions	-0				. co//		30.		2 Silvin		0"
Length	mm	2685	2720	2660	2880	2870	3170	3270	3170	3180	3180
Width	mm	1090	1115	1175	1125	1125	1125	1230	1200	1285	1285
Height	mm	1625	1555	1650	1645	1685	1685	1685	1685	1805	1805
Net weight	kg	1600	1800	1900	2000	2100	2200	2250	2400	3000	3100
Noise level**	dB(A)	68	69	69	70	70	72	73	73	73	73
			~ 0		0//		X'0"		47,		(U)

^{*} Performance values refer to the following conditions:

Condenser water inlet/outlet temperature: 30°C/35°C, evaporator water inlet/outlet temperature: 12°C/7°C.



^{**} Noise level measured in free field condition at distance of 1 meter.









Model	Unit	WW480	WW530	WW610	WW680	WW710	WW760	WW860	WW960	WW1000	WW1120
Cooling capacity*	kW	480	530	610	680	710	760	860	960	1000	1120
Power supply			CL		380-	415V/3I	Ph/50Hz	7	Miles		£00°
Compressor	20		co _{lv}		x3.		31/11	٠.	000	./	(/,
Qty/refrigerant circuit	Nr.	1/1	1/1	1/1	1/1	2/2	2/2	2/2	2/2	2/2	2/2
Cooling power input*	kW	94	104	120	134	140	150	169	189	197	220
Energy adjustment steps	step		25	5% - 100)%			12	2.5% - 10	00%	*3.C
Max. current for wiring	Α	258	292	302	335	2×165	2×175	2×175	2×185	2×246	2×258
Refrigerant charge	kg	126	142	160	167	171	199	210	220	242	261
Evaporator										illi	
Water side pressure drop	kPa	46	46	46	47	47	46	47	46	46	46
Pipe size	mm	DN125	DN125	DN125	DN150	DN150	DN150	DN150	DN200	DN200	DN200
Water flow rate in cooling*	m³/h	83	91	105	117	122	131	148	165	172	193
Condenser											
Water side pressure drop	kPa	42	42	44	42	44	42	44	42	44	44
Pipe size	mm	DN125	DN125	DN125	DN150	2×DN125	2×DN125	2×DN125	2×DN125	2×DN125	2×DN150
Water flow rate in cooling*	m³/h	99	109	126	140	146	156	177	198	206	231
Dimensions											
Length	mm	3505	3505	3505	3520	4060	4505	4505	4505	4660	4660
Width	mm	1280	1315	1375	1380	1415	1415	1415	1415	1460	1460
Height	mm	1970	1990	1980	1980	1975	2000	2000	2000	2090	2090
Net weight	kg	3500	3800	4000	4100	4210	4400	4740	5600	6600	6800
Noise level**	dB(A)	74	74	74	73	74	74	74	74	74	74
	650		7/10		- V				.(1)	.0	

Model	Unit	WW 1200	WW1250	WW1360	WW1470	WW1720	WW1840	WW2000	WW2350	WW2500
Cooling capacity*	kW	1200	1250	1360	1470	1720	1840	2000	2350	2500
Power supply	×2.0)-	Milia	3	380-415V	//3Ph/50	Hz			
Compressor	Ville.	((D. S	10/50					20	\
Qty/refrigerant circuit	Nr.	2/2	2/2	2/2	4/4	4/4	4/4	4/4	4/4	4/4
Cooling power input*	kW	236	246	268	289	339	362	394	463	492
Energy adjustment steps	step	12.	.5% - 100	0%			6.25%	- 100%		
Max. current for wiring	Α	2×292	2×302	2×315	4×175	4×185	4×246	4×258	4×258	4×292
Refrigerant charge	kg	295	302	327	338	393	430	453	494	537
Evaporator		400		info					'W.C.	
Water side pressure drop	kPa	46	46	46	45	45	46	46	47	47
Pipe size	mm	DN200	DN200	DN200	2×DN150	2×DN150	2×DN200	2×DN200	2×DN200	2×DN200
Water flow rate in cooling*	m³/h	206	215	234	253	296	316	344	404	430
Condenser	COLL	X).·	Stu.				injo		/
Water side pressure drop	kPa	44	42	45	52	52	52	52	.52	52
Pipe size	mm	2×DN150	2×DN150	2×DN150	2×DN200	2×DN200	2×DN200	2×DN200	2×DN200	2×DN200
Water flow rate in cooling*	m³/h	247	257	280	303	354	379	412	484	515
Dimensions			V.C/L	~(Mr.	40.		Me	6.1	0
Length	mm	4660	4660	4660	4600	4650	4690	4600	4780	4800
Width	mm	1585	1585	1585	2250	2270	2300	2450	2450	2450
Height	mm	2215	2215	2240	2350	2380	2410	2460	^2470	2500
Net weight	kg	7000	7400	8000	8800	9000	9800	11600	12300	13000
Noise level**	dB(A)	74	74	75	76	80	80	81	81	81

* Performance values refer to the following conditions:
Condenser water inlet/outlet temperature: 30°C/35°C, evaporator water inlet/outlet temperature: 12°C/7°C.

** Noise level measured in free field condition at distance of 1 meter.

Chilled Water Fan Coil Unit

340m³/h-2380m³/h

Application areas

 Bureaux, business building, superstore, hotel, hospital, bank, apartment and amusement place.

Why this choice?

- Install type: horizontal concealed/exposed type and vertical concealed/exposed type
- External static pressure 12pa, 30pa and 50pa can be choosed
- Airfoil ABS wind wheel with high efficiency and U type bend pipe design





Characteristics

Efficient and energy saving

Efficient ABS blower which is light weighted while statically and dynamically balanced.

Excellent thinwall copper tube and efficient hydrophilic aluminum fin are under water pressure bonded treatment. Patent inverse crossing circuit to reach the best heat transfer efficiency. Brass water distributor is used for improving water flow distribution, in order to provide better heat transfer effect.

Quiet operation

Low noise and permanent capacity motor, unique ABS centrifugal blower, all of them pass dynamically balance test, to ensure unit operate quietly and efficiently.

3-speed motor, ball bearing, long lifespan; rubber vibration isolator reduces operation noise.

Stable and reliable

U-shaped tube bending, reducing soldered dot and leakage point.









Drain pan is made of high grade stainless steel plate, modeling processing; surface has been under hot dipped electroforming painting treatment. 7mm PE thermal insulation foam is applied on the drain pan to prevent condensation and leakage from occurring. Furthermore the width and length of the drain pan has been specifically designed to accommodate the water drop from the water inlet/outlet and electrically operated valve. There is fuse in power supply inlet side to prevent motor burned because of wrong wiring. Reliable and stable motor which enjoys good reputation in the market.

Different models

- · Static pressure: 12Pa, 30Pa, 50Pa.
- Fan coil unit series: horizontal exposed type, horizontal concealed type, vertical concealed type, vertical exposed type, cassette type, large air volume FCU.
- Accessories: 3-speed switch, return air box, extended drain pan, electronic two-way valve, electrical heater, air cleansing module. All above are for your selection.

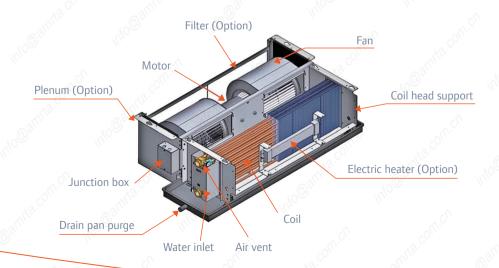


Technical Data (Ceiling Concealed Type)

Model			34WA	51WA	68WA	85WA	102WA	136WA	170WA	204WA	238WA
D. I.	cl c	H ~ S	340	510	680	850	1020	1360	1700	2040	2380
Rated air	volume —	M	255	383	510	638	765	1020	1275	1530	1785
m³/h		L	170	255	340	425	510	680	850	1020	1190
Datad as a	line O	Н	1800	2700	3600	4500	5400	7200	9000	10800	12600
Rated coo	3 (()	M	1440	2160	2880	3600	4320	5760	7200	8640	10080
Capacity v	v	L of	1170	1755	2340	2925	3510	4680	5850	7020	8190
D-+I I0	Ŷ	AT.	2700	4050	5400	6750	8100	10800	13500	16200	18900
Rated heating - capacity W		М	2160	3240	4320	5400	6480	8640	10800	12960	15120
Capacity v	v and	L	1755	2633	3510	4388	5265	7020	8775	10530	12285
200	12Pa	Н	37	52	62	76	86	134	152	189	228
Input power W	30Pa	Н	44	59	72	87	100	156	174	212	253
power w	50Pa	H ₀	49	66	84	100	108	174	210	250	300
Naiss	12Pa	Н	37	39	41	43 (45	46	48	50	52
Noise dB(A)	30Pa	Н	40	42	44	46	47	48	50	52	54
UD(A)	50Pa	Н	42	44	46	47	49	50	52	54	56
Water vol	ume kg/h		390	550	700	820	910	1340	1590	1800	2070
Water pre	ssure loss kPa		≤30	<i></i> ≤30	≤30	≤30	≤40	≤40	≤40	≤40	≤50
Weight	Without plen	um box	12.5	14	14	15.5	16.5	22.5	30	33	33.5
kg (With plenur	m box	14.5	16	17	19.5	20.5	27.5	35	38	39.5
Motor	Туре				E class ins	sulation, pe	ermanent o	apacitor, 3	speed fa	n _c	
IVIOLOI	Qty	in ^{to C}	1	ì	1	1	1	2	2	2	3
Fan	Type	//	-0	Do	ouble inlet	, forward c	urve, mult	i blades, c	entrifugal	fan	
1 d11	Туре		10.0	2	2	2	2	3	4	4	4
Water cor	nection pipe		va.co.	X	Ø.	(A) 3/	/4" (DN2	20)	//		
Condense	d water pipe	720	le la	- 0 ³ //		3,	/4" (DN2	20)		ď	
Max work	ing pressure	0		oj _n ,		,	1.6MPa		,c,,	-0 _{(U} .	
Power sup	oply	illie		,	20	AC	220V/50	Hz O		70.	62

Note:

- 1. Cooling capacity is based on air inlet temperature 27°C DB/19.5°C WB, entering water temperature 7°C, \triangle T5°C.
- 2. Heating capacity is based on air inlet temperature 21°C, entering water temperature 60°C, air flow volume and water flow rate are the same with cooling mode.
- 3. MPT-Mole pipe thread, FPT-Female pipe thread.
- 4. ESP for C and F series is OPa.
- 5. For FVE, FVC series, there is no Model 140; the performance parameters of FVE and FVC are the same with FHC.
- 6. Specifications in this catalog are subject to change without notice.











Technical Data (Cassette Type)

			(2)		V/ //	4.40	λ. •	-//\		_((0')
Model	2	34KM	51KM	68KM	85KM	102KM	136KM	170KM	204KM	238KM
V.C()	οſĊН	340	510	680	850	1020	1360	1700	2040	2380
Air flow [m³/h]	M	280	390	520	640	790	1030	1290	1500	1800
	L	180	260	350	430	520	690	860	1030	1200
Total cooling capacity * [W]	Н	2000	3000	3700	5000	5600	7300	9900	11000	12800
Heating capacity * [W]	, [©] (H	3000	4800	5500	7200	8200	10800	14500	16800	19200
Fan motor				O _{St}						W.C.
Nominal power input	W	37	52	62	76	96	132	152	189	220
Nominal current input	A	0.162	0.23	0.276	0.338	0.417	0.588	0.663	0.824	0.976
Water flow rate	m³/h	0.42	0.522	0.62	0.86	0.98	1.22	1.58	1.92	2.2
Water pressure drop	kPa	14	14	16	18	22	25	39	44	44
Water connections	inch	3/LU	.00).	illi	ZG 3/4"		. ch		W.C.
Drain pipe	mm		illi	^		26		colu.	X2.	.00
info	Н	37	39	41	43	45	46	47	50	52
Sound pressure level ** [dB(A)]	M	34	36	38	39	42	43	44	46	48
	L	30	32	35	36	38	39	40	42	(44
Net Dimension	Unit	58	80*580*2	90	7	10*710*2	90	83	32*832*2	90
W/D/H mm	Panel	6	80*680*3	30	8	30*830*3	30	9	80*980*3	30
Power supply	/	V.CU		010.	220)V/1Ph/5	0Hz		0	into a
Not weight ka	Unit	25	25	26	28	29	29	36	38	38
Net weight kg	Panel		2.5		400	4			5,0	
A3.										

* The data are referred to the following conditions: Cooling: room temperature: 27 °C, DB / 19.5 °C WB; water temperature: 7/12 °C, high speed. Heating: room temperature: 21 °C, water inlet temperature: 70 °C, high speed. Water flow rate same as in cooling operation.



^{**} Sound pressure measured in anechoic room 1.5 m away from the unit.

Duct Fan Coil Unit

1020m³/h-3400m³/h

Application areas

- Any light commercial building
- Offices and shops
- Hotels

Why this choice?

- Very high performances
- Easy and quick to install like a fan coil
- Many available configurations



Characteristics

Frame and structure

Panels and frame are made of galvanized steel, properly punched and punched for fixing both accessories and the unit itself.

Heating coil

The coils are made of seamless tubes expanded into aluminum fins in continuous block. The connections have brass headers with female fittings and provided with easily accessible vent and drainage valve.

Fan deck

The fan decks are composed of double suction centrifugal fans with aluminum impellers and 3-speed fan motors. Each fan motor assembly is dynamically balanced.

Drip tray

The drip trays are made from sheet metal treated with polyester powder coating to ensure total resistance to atmospheric agents.

Filter

The easily removable filter is made of filtering honeycomb polypropylene fabric and supported by an aluminum frame. The filter is installed on the units with plenum only.











Electrical connection box

All electric wires are connected to enclosed electrical terminal block, situated on the same side of the water connections.

Optional

3 speed switch ON-BOARD THERMOSTART Mechanical type for two pipe system exposed version use, working mode selection (OFF-Heating-Cooling), ventilation (HIGH-MED-LOW) and room temperature setting. LCD thermostat with display

Technical Data (Medium E.S.P. Type)

Model			102WAM	136WAM	170WAM	204WAM	238WAM	272WAM	306WAM	340WAM
5 . om.	, d	Н	1020	1360	1700	2040	2380	2720	3060	3400
m ³ /h	ir volume	M	765	1020	1275	1530	1785	2040	2295	2550
Sim Am	· 00°	L	510	680	850	1020	1190	1360	1530	1700
Rated c	ooling capacity	kW	5.45	7.32	9.75	11.2	13.5	15.7	17.6	20.42
Rated h	eating capacity	/ kW	8.18	10.98	14.63	16.80	20.25	23.55	26.40	30.63
Coil row	/s		3	3	3	3	3	3	3	0/3
Input po	ower W	(231	273	326	405	460	520	737	805
	300	Higo	47	49	50	52	54	56	57	59
Noise d	B(A)	M	44	46	47	48	49	54	54	55
	, c/	L	41	42,00	43	44	46	47	49	51
Water v	olume I/h		937	1259	1677	1926	2322	2700	3027	3512
Water p	ressure loss kP	a 🔗	20	12.4	20	29	12.7	23.5	25	36
Net wei	ght kg	ilijo	30	31	34	38	40	55	56	59
Externa	static pressure	e Pa	100	100	100	100	100	100	100	100
Matax	Type		20Min	Εc	lass insulati	on, perman	ent capacit	or, 3 speed	fan	
Motor	Qty	. 25.) 1	1	1.0°	1	1 1	2	2	2
F	Туре	@3m	Di _{n.} ;	Doub	le inlet, for	ward curve,	multi blade	s, centrifug	jal fan	s. l
Fan	Туре	100	1	2	2	2	2	3	3	3
Water c	onnection pipe	!	c()	W.C.	. (, ° 1″ (I	DN25)	A	31/11	.x00/
Conden	sed water pipe	c	olu.	1.3.co.,	- amin	3/4"	(DN20)	into		ILL
Max wo	rking pressure	1	_ \alpha	Wille	×00	1.6	MPa			
Power s	upply	030	400°		10,	AC 220	V/50Hz	0	~W.o.,	, a.
									~U"	

- 1. The performance data is according to the test result of horizontal concealed type without plenum.

 2. Cooling condition: inlet air DBT 27°C, WBT 19.5°C, inlet water temp. 7°C, temp. Difference 5°C.
- 3. Heating condition: inlet air DBT 21°C,inlet water temp. 60°C.

Technical Data (High E.S.P. Type)

Model		-0	204WAH	238WAH	272WAH	306WAH	340WAH
	~c/	H	2040	2380	2720	3060	3400
Rated al m³/hx0	r volume	M	1530	1785	2040	2295	2550
111 / 11/20	**************************************	L 🖔	1020	1190	1360	1530	1700
Rated co	ooling capacity kW		11.2	13.5	15.7	17.6	20.42
Rated h	eating capacity kW	/ i _{Cl}	16.37	18.69	20.09	21.24	24.15
Coil row	s ^{CO}	,	3	3	3	3	3
Input po	ower W	(0)	405	460	520	737	805
3177		H William	52	54	56	57	59
Noise d	B(A)	M	48	49	54	54	55
	C C	L	44	46	47	49	51
Water vo	olume I/h	- ar	1926	2322	2700	3027	3512
Water p	ressure loss kPa	(00)	29	12.7	23.5	25	36
Net wei	ght kg	///	38	40	55	56	59
External	static pressure Pa		150	150	150	150	150
, of	Type	xo.	0,	E class insulatio	n, permanent capa	citor, 3 speed fan	~()
Motor	Qty	Sim	1 100	1 10	2	2	2
F	Туре	Tity kW 16.37 18.69 20.09 21.24 24.1 3 3 3 3 3 3 3 405 460 520 737 805 H 52 54 56 57 59 M 48 49 54 54 55 L 44 46 47 49 51 1926 2322 2700 3027 351 Pa 29 12.7 23.5 25 36 38 40 55 56 59 Ire Pa 150 150 150 150 150 E class insulation, permanent capacitor, 3 speed fan 1 1 1 2 2 2 2 Double inlet, forward curve, multi blades, centrifugal fan 2 2 3 3 3 3 De 17 (DN25) De 3/4" (DN20)	an				
Fan	Туре		on 2	2	3	3	3
Water co	onnection pipe	60	(V.	×8.00	1" (DN25)	injo	//
Conden	sed water pipe	Mita.	Walu,		3/4" (DN20)		c/S
Max wo	rking pressure	0	info@		1.6MPa	W.CL	colu.
Power s	upply		· · · · · · · · · · · · · · · · · · ·	CL.	AC 220V/50Hz	2.CO.	3.0
7777				XV.	70	(2)	3,0

^{1.} The performance data is according to the test result of horizontal concealed type without plenum.

2. Cooling condition: inlet air DBT 27°C, WBT 19.5°C, inlet water temp. 7°C, temp. Difference 5°C.

3. Heating condition: inlet air DBT 21°C, inlet water temp. 60°C.



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Date	May 2016	co ₍₍₎	40·	

AMRTA has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.