RUUD

AMERICAN BRAND
RELIABLE QUALITY

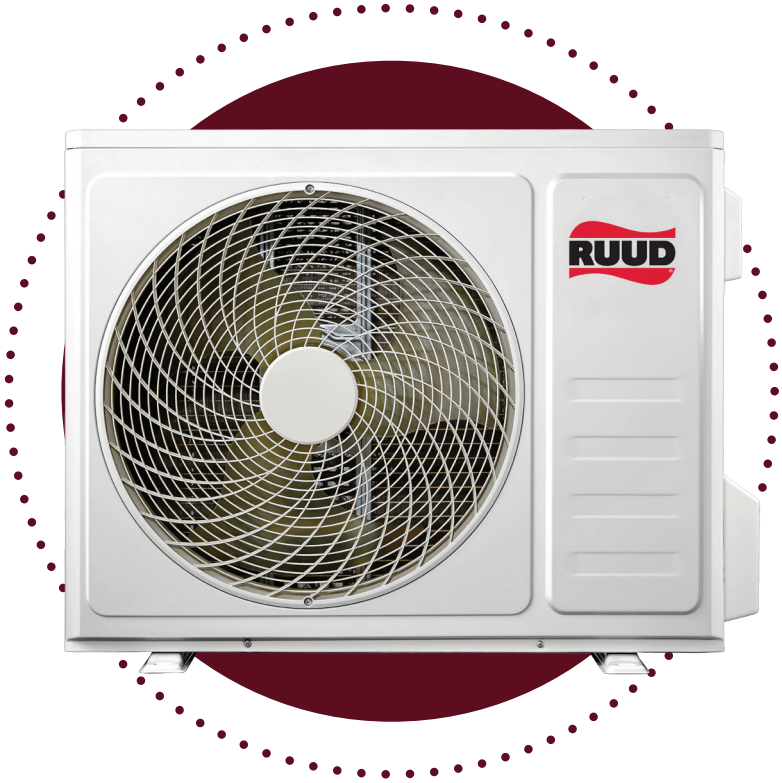
R32

R32

UW Wall-Mounted Inverter Series - 50HZ

In everything we do, we integrate sustainability

R32 Wall Mount Inverter Series



2035 goals

30%
GHG REDUCTION
Reduce emissions intensity by 30% throughout the entire lifecycle of Ruud products[2]

SUSTAINABLE
PACKAGING
Achieve an average of 90% reusable, recyclable, or compostable packaging OR at least 50% recycled content in product packaging[3]

10%
WASTE REDUCTION
Reduce global waste intensity (ton/unit) by 10%[5]

ZERO
WASTE TO LANDFILL
Maintain zero waste to landfill (ZWTL) at all factories and on-board new acquisitions[4]

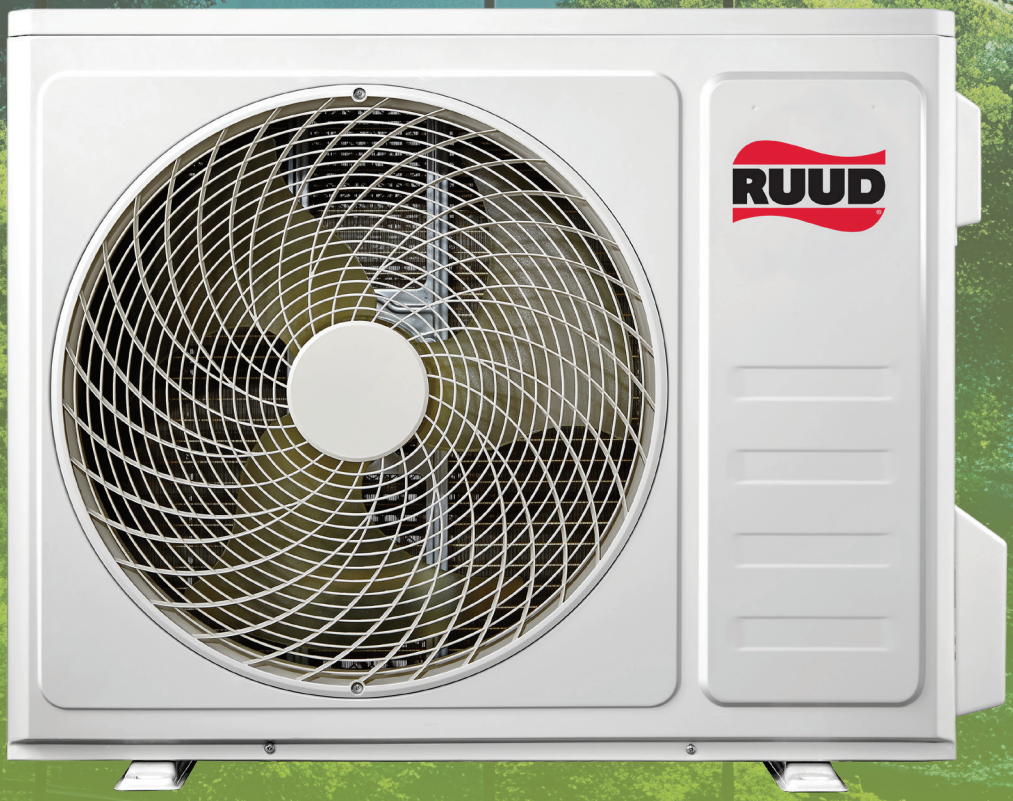
1M+
TRAININGS
Complete 1 million trainings for plumbers, contractors, and key influencers globally on sustainable products, refrigerant management and / or sustainable best practices

Working Toward A Greater Degree™

Building upon the strong foundation set in 2019, our next generation of sustainability takes the familiarity of the original framework and simplifies it into Products, Process and People. These pillars provide a north star, helping us focus on innovating products with higher efficiency, manufacturing them in a process that reduces our direct use of resources, and supporting the people that recommend and install in homes and business around the globe.

1. Ruud's goal is to reduce greenhouse gas emissions by 30% by 2035 from a 2023 baseline. This metric will be based on intensity emissions normalized by revenue and includes Scopes 1-3 as defined by the Greenhouse Gas Protocol. At this time, these figures have not been independently verified by a third party.
2. Ruud measures reusable, recyclable, compostable, and recycled content in line with ISO and FTC standards. At this time, these figures have not been independently verified by at third party.
3. A Ruud plant is considered to have reached Zero Waste to Landfill when it achieves a rate of at least 90% diversion of nonhazardous solid waste away from landfill, waste-to-energy (WTE), and incineration, in line with the Zero Waste International Alliance standards and TRUE Zero Waste standards. At this time, these figures have not been independently verified by a third party.
4. Ruud measures waste intensity as a ratio of total weight of non-hazardous waste generated across all manufacturing facilities to total units produced from a 2023 baseline. At this time, these figures have not been independently verified by a third party.

R32

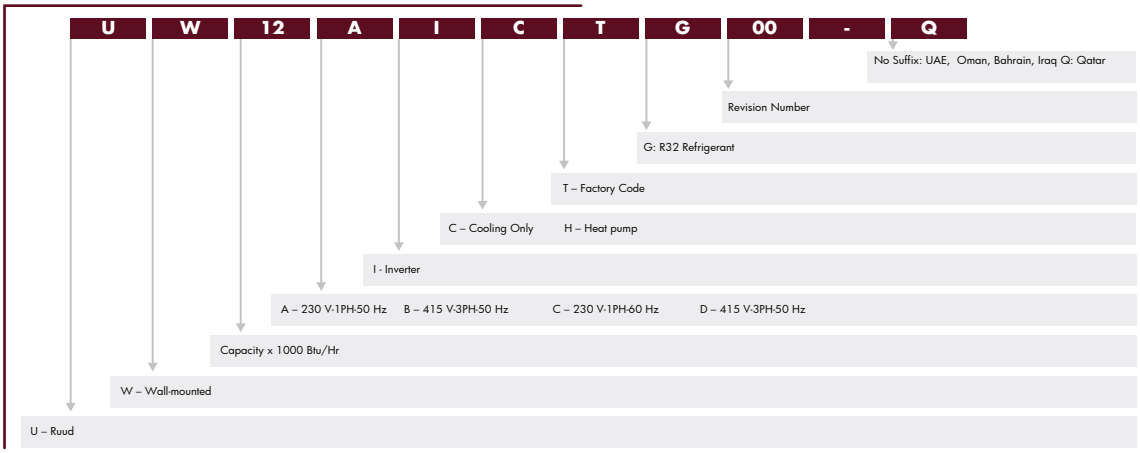


Smart Cooling Powered by R32

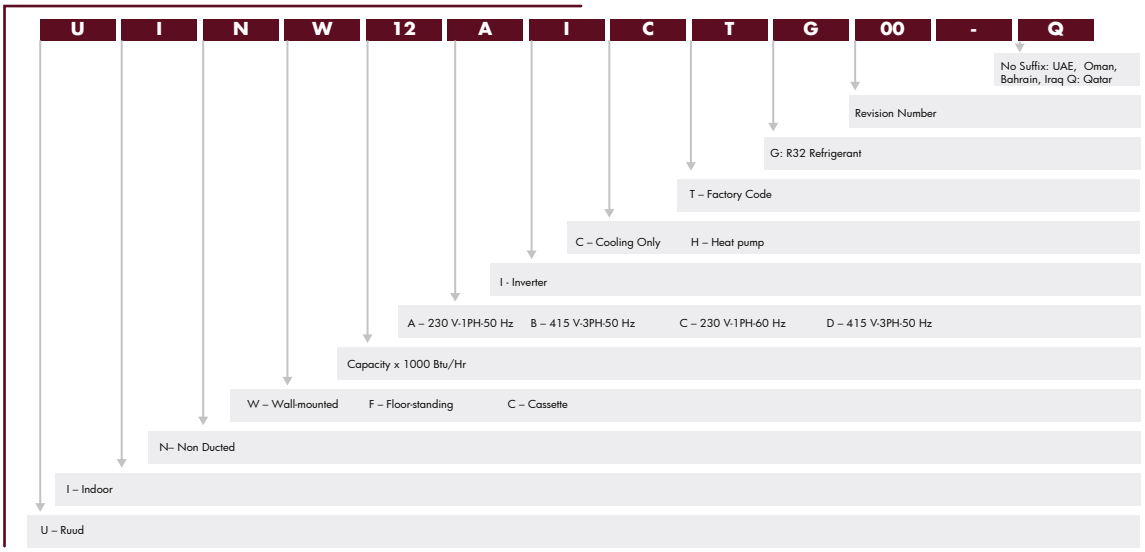
This air conditioner uses R32 refrigerant, a modern cooling gas that's more efficient and kinder to the environment. R32 helps your home cool faster while using less energy, and it produces fewer emissions than older refrigerants. It's an important step toward cleaner, more sustainable comfort for you and your family.

NOMENCLATURE

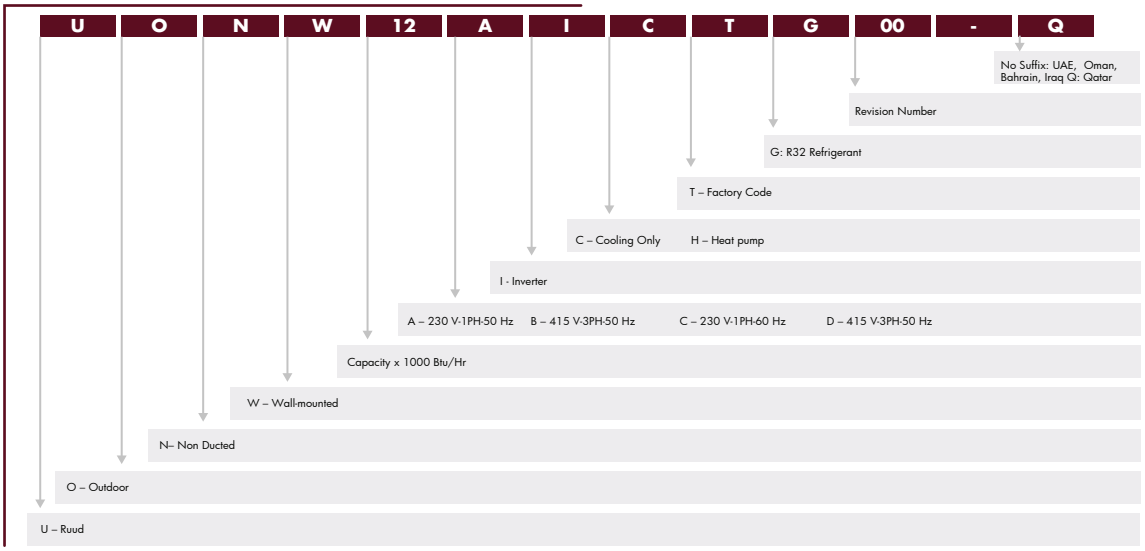
System Model Name



Indoor Model Name



Outdoor Model Name



Split Air-Conditioner Panels

UW12AICTG00/UW12AIHTG00

UW18AICTG00/UW18AIHTG00

UW24AICTG00/UW24AIHTG00

UW30AICTG00/UW30AIHTG00

UW36AICTG00/UW36AIHTG00

Features

Dual Drainage

Louver Position Memory

Self-diagnosis

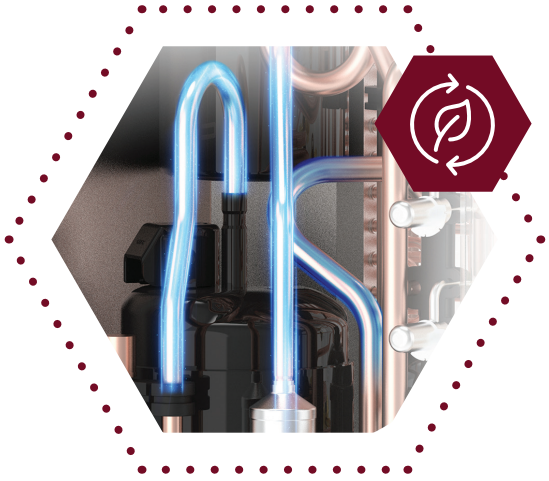
Low Noise

Rust Proof

FEATURES

High Efficiency DC Inverter T3 Compressor

High Ambient Operation Up to 60°C



Less Refrigerant Charge Requirement

Auto Dust Removal

Rapid Cooling and Heating

Cool Wind Blowing Out

18°C

30s

In Cooling Mode

Outlet Temperature Decreased Rapidly in 30″

Hot Wind Blowing Out

*Heat Pump Models Only

40°C

60s

In Heating Mode

Outlet Temperature Increased Rapidly in 60″

56°C High Temperature Self-cleaning & Sterilization

The indoor cleans itself automatically, with frosting, quick defrosting, high-temperature drying, and 56°C sterilization, ensuring cleaner air and a healthier breathing environment.

Frosting

High Temperature Drying

Defrosting

56°C High Temperature Sterilization

* Heat Pump DC Inverter Only

Fan Defrosting

Frosting

Automatic Self Cleaning

The indoor cleans itself automatically by frosting, fan defrosting, and fan drying ensuring cleaner air and healthier breathing environment.

Defrosting Evaporator

Fan Drying

*Cooling Only DC Inverter Only

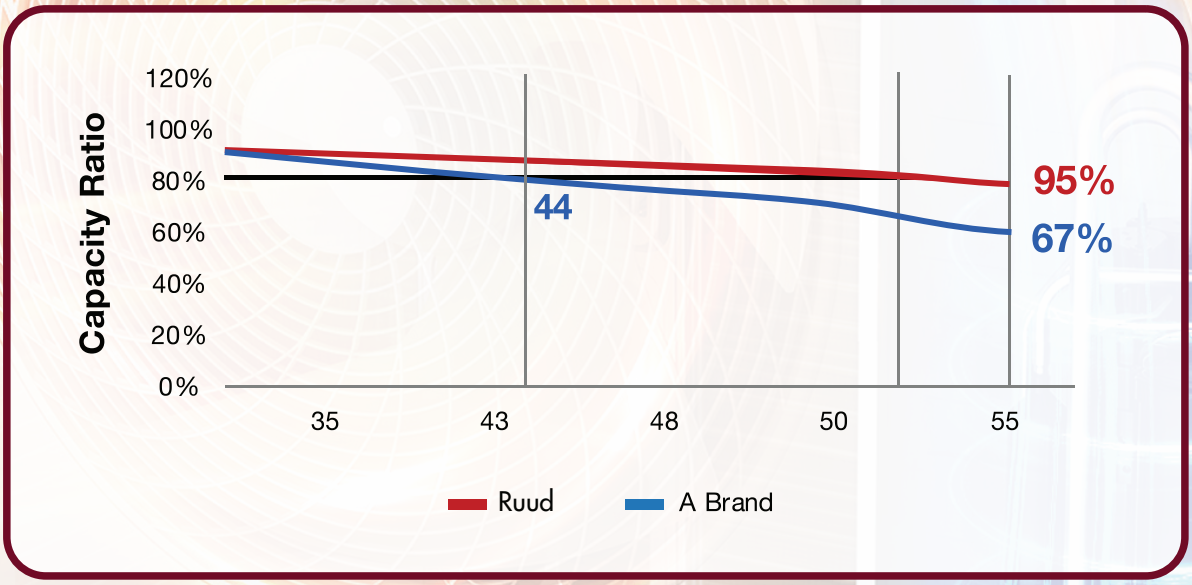
Unique Air-Cooled Technology

Because of the negative pressure generated by the outdoor fan, the outdoor cooler air is flown through the PCB box via compressor cavity in order to cool down the electric parts of the outdoor unit allowing the unit to operate at ambient conditions up to 60C.

52°C
Strong Cooling

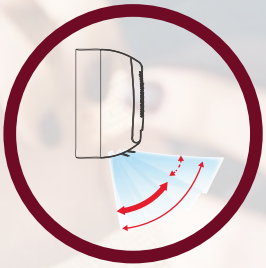
60°C
Nonstop Cooling

Capacity Comparison in High Ambient Temperature



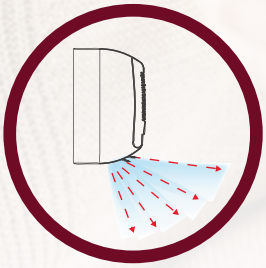
Vector Precision Air Supply

Various precise fixed angles of air supply can provide more comfortable choices for users.



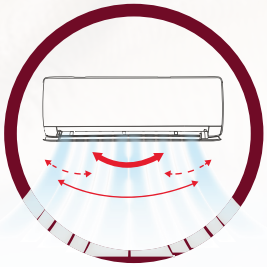
3 Swing Types (Vertical)

- Whole-house swing
- Upside swing
- Downside swing



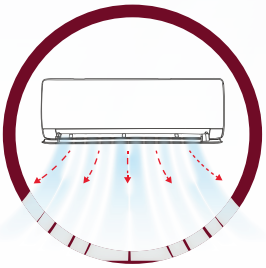
5 Blow Types (Vertical)

- Fix direction of air blow



4 Swing Types (Horizontal)

- Whole-house swing Side Swing (L-R) Middle Swing



5 Blow Types (Horizontal)

- Fix direction of air blow

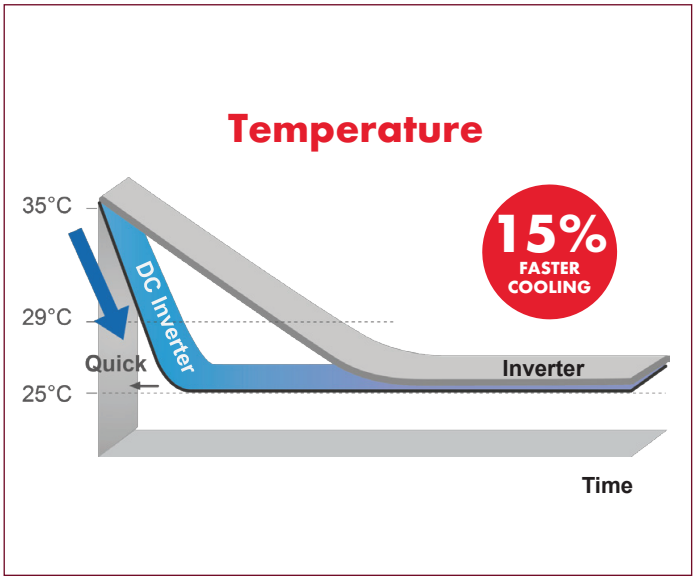
Energy Saving Experience

Full DC Inverter System

A DC inverter air-conditioner varies the compressor rotation speed to provide a precise method of maintaining the set temperature.

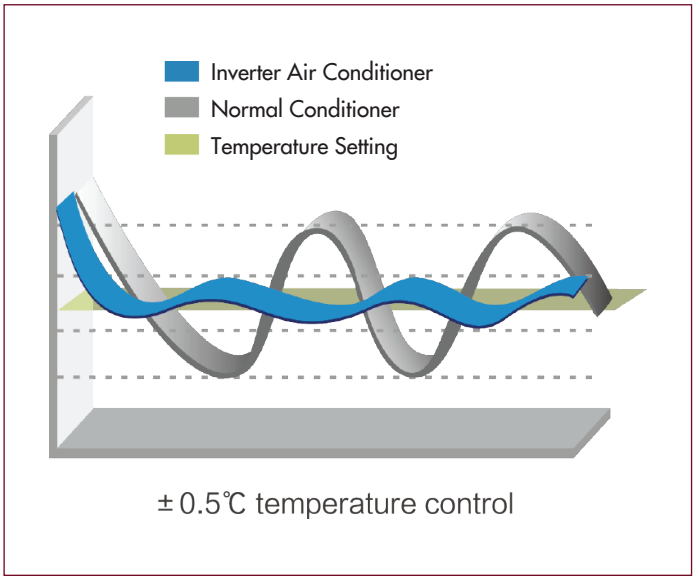
Fast Cooling

DC inverter air-conditioner enables the compressor to achieve maximum frequency in the shortest time from start up. It cools down 15% faster than conventional non-inverter air-conditioner.



Precise Cooling

A DC inverter air-conditioner varies the compressor rotation speed to provide a precise method of maintaining the set temperature.



Other Features

Smart Air Flow

In cooling mode, the cool air is blowing towards the ceiling to provide a shower-style cooling experience. In heating mode,the warm air is blowing towards the floor to provide a blanket-style heating experience.

WiFi Connectivity (Optional)

Enjoy effortless comfort with built-in Wi-Fi connectivity that lets you control your mini split air conditioner anytime, anywhere from your smartphone.

Low Noise Cooling & Heating

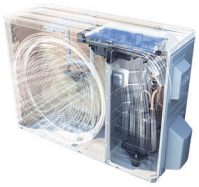
No more annoying sound from sudden speed changes and turning on/off of an air conditioner. Ruud's DC inverter unit ensures low noise operation at different conditions.

BETTER SAFETY DESIGN

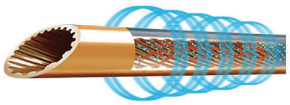
No connection between condensate water and electricity. BMC fireproof electric control box is applied, which creates high heat resistance & erosion resistance.

Condensing Unit Features

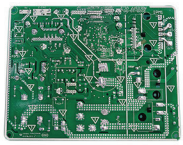
Strong resistant metal plates of rust & corrosion, maintaining its excellent performance in difficult climate such as humid, coastal, etc.

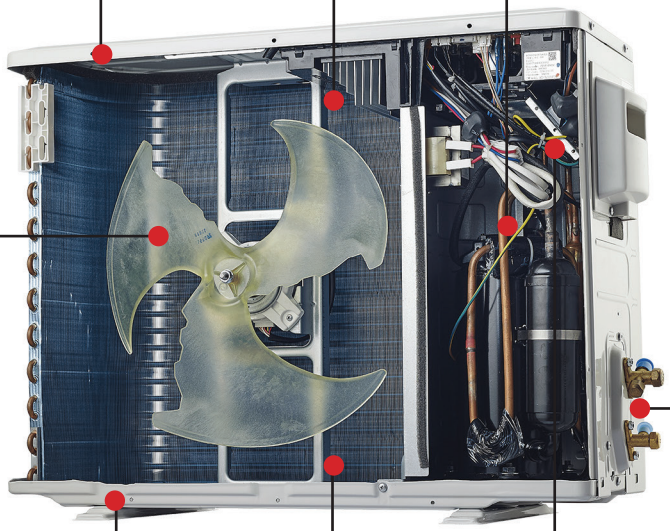


Inner **grooved cooper pipe** of more efficient heat exchanging.



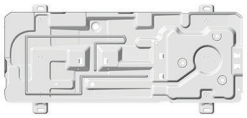
Coated PCB with strong anti-corrosion, anti-oxidation & anti-rust.



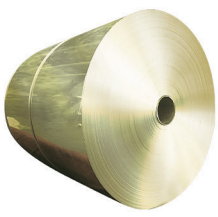


Bionic propeller fan with lower operation noise and higher air volume.

Tougher **valve protection** can provide better protection for the connection valves.



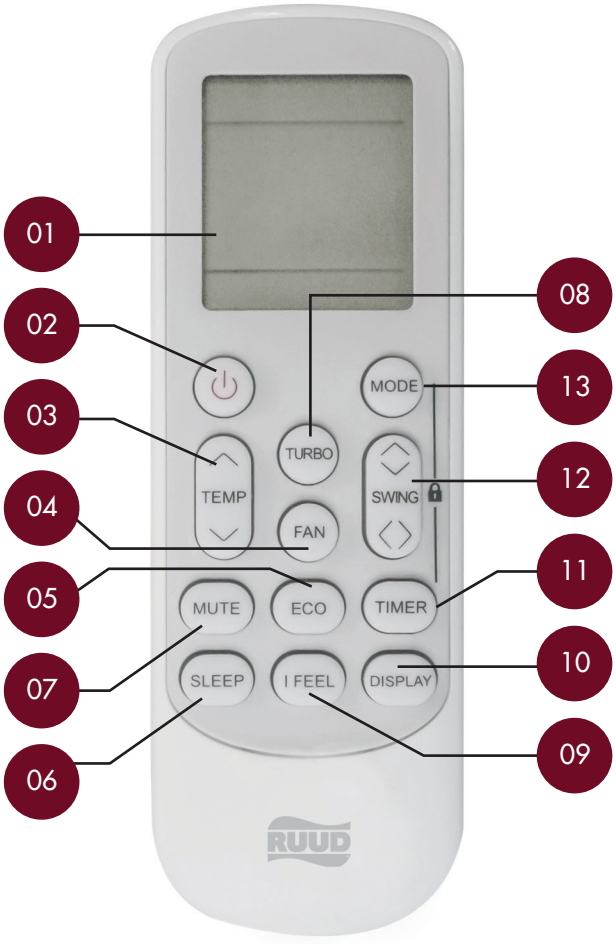
Heating belt is available for better anti-frosting in the bottom plate with optimized reinforcing rib layout.



Excellent **hydrophilia coated fins** with less accumulation of dust, bacteria, etc.

Flanging processed plate **metal – protecting wiring** from damage of sharp edge.

Remote Controller Features



01	LED Display Screen
02	ON/OFF
03	Temperature Setting
04	Fan Speed Setting
05	Eco Mode
06	Sleep Mode
07	Mute Mode
08	Turbo
09	I Feel
10	LED Display (ON/OFF)
11	Timer Setting
12	Swing (Horizontal/Vertical)
13	Mode Setting (AUTO/COOL/ DRY/FAN/HEAT)

*Heat mode is for heat pump models only

I FEEL

The in-built additional temperature sensor in the remote controller monitors the surrounding temperature. Therefore, the air-conditioner can adjust the room temperature more accurately and provide extra comfort to users.

ECO

By activating the ECO mode, the air conditioner will automatically work in the most efficient and energy - saving way, while maintaining the most comfortable experience in the living room.

Features Summary

Range	12K	18K	24K	30K	36K
Sleep	●	●	●	●	●
Clock (Real Time)	-	-	-	-	-
Timer ON/OFF	●	●	●	●	●
Vertical Swing (Motorized or Manual)	●	●	●	●	●
Horizontal Swing (Motorized or Manual)	●	●	●	●	●
Energy Saving	●	●	●	●	●
Air Flow Direction Control	●	●	●	●	●
Memory	●	●	●	●	●
Autorestart	●	●	●	●	●
IFeel	●	●	●	●	●
Turbo Cooling	●	●	●	●	●
Self Clean / Blow	●	●	●	●	-
Self Diagnosis (Error Code)	●	●	●	●	●
Remote LCD	●	●	●	●	●
Filter Configuration	●	●	●	●	●
Intelligent Defrost	-	-	-	-	-
Filter Dirty Alarm	●	●	●	●	●
Cold Plasma or Ioniser	○	○	○	○	○
Children Lock	●	●	●	●	●
Evaporator Fins	Golden	Golden	Golden	Golden	Golden
Condenser Fins	Golden	Golden	Golden	Golden	Golden
Max Piping Capability Total (Metre)	25	30	30	30	30
Max Piping Capability Vertical (Metre)	15	20	20	20	20

R32 Cool Only Inverter Specifications

Capacity Class			12K	18K	24K	30K	36K
Type			Cooling Only	Cooling Only	Cooling Only	Cooling Only	Cooling Only
			Inverter with R32	Inverter with R32	Inverter with R32	Inverter with R32	Inverter with R32
System Model Number			UW12AICTG00	UW18AICTG00	UW24AICTG00	UW30AICTG00	UW36AICTG00
Indoor Model Name			UINW12AICTG00	UINW18AICTG00	UINW24AICTG00	UINW30AICTG00	UINW36AICTG00
Outdoor Model Name			UONW12AICTG00	UONW18AICTG00	UONW24AICTG00	UONW30AICTG00	UONW36AICTG00
Rated cooling capacity(T1)		Btu/h	12500(2559~15354)	18600(4436~20131)	24500(3412~26272)	30000(5800~34120)	36000(5800~37532)
Rated cooling capacity(T1)		W	3664(750~4500)	5451(1300~5900)	7181(1000~7700)	8792(1700~10000)	10551(1700~11000)
Rated cooling capacity(T3)		Btu/h	12000(2559~12624)	17500(5118~18766)	22000(5118~23202)	25500(5800~30708)	32000(5800~32073)
Rated cooling capacity(T3)		W	3517(750~3700)	5129(1500~5500)	6506(1500~6800)	7474(1700~9000)	9379(1700~9400)
EER for cooling(T1)		Btu/h~W;	12.401	12.016	11.802	12.402	12.401
EER for cooling(T1)		W/W	3.63	3.52	3.46	3.63	3.63
EER for cooling(T3)		Btu/h~W;	9.600	9.011	9.013	9.202	9.012
EER for cooling(T3)		W/W	2.81	2.64	2.64	2.70	2.64
Moisture removal		Liters/h	1.2	1.8	2.2	2.8	3.3
Pressure	High(DP)	MPa	4.5	4.5	4.5	4.5	4.5
	Low(SP)	MPa	1.9	1.9	1.9	1.9	1.9
Indoor noise level at cooling	Super	dB(A)	46	49	50	55	55
	High	dB(A)	43	46	48	53	53
	Med.	dB(A)	37	41	42	47	47
	Low	dB(A)	32	36	37	42	38
	Quite	dB(A)	28	32	32	40	35
Outdoor noise level		dB(A)	53	56	59	61	60
Power supply			220-240V~1 Phase/ 50/60Hz	220-240V~1 Phase/ 50/60Hz	220-240V~1 Phase/ 50/60Hz	220-240V~1 Phase/ 50/60Hz	220-240V~1 Phase/ 50/60Hz
Voltage Range		V	198~264	198~264	198~264	198~264	198~264
Current	Cooling(T1)	A	6.6(1.1~9.0)	7.1(1.2~12.0)	9.5(1.5~15.0)	11.1(2.0~18.0)	13.3(2.0~19.0)
	Cooling(T3)	A	5.7(1.1~9.0)	8.9(1.2~12.0)	11.4(1.5~15.0)	12.7(2.0~18.0)	16.3(2.0~19.0)
Power input	Cooling(T1)	W	1008.000	1548.000	2076.000	2419.000	2903.000
	Cooling(T3)	W	1250.000	1942.000	2486.000	2771.000	3551.000
Refrigerant		kg	R32/0.49	R32/0.72	R32/0.82	R32/0.97	R32/1.07
Compressor	Compressor		Inverter	Inverter	Inverter	Inverter	Inverter
Expansion device			Capillary tube	Capillary tube	Capillary tube	EEV	EEV
Indoor airflow		m3/h	740/680/590/540/ 450/420/390	1000/940/860/780/ 720/660/550	1500/1410/1290/ 1180/1080/1000/820	1700/1600/1470/ 1330/1230/1130/930	1900/1750/1650/1540/ 1430/1320/1160
Connecting Pipe	Gas	Inches	Φ9(3/8'')	Φ9(3/8'')	Φ12(1/2'')	Φ15.88(5/8'')	Φ15.88(5/8'')
	Liquid	Inches	Φ6(1/4'')	Φ6(1/4'')	Φ6(1/4'')	Φ6(1/4'')	Φ6(1/4'')
Connecting Wiring	Size x Core number		4×1.0	4×1.5	4×0.75	4×0.75	4×0.75
Drainage Pipe			O.D 16mm	O.D 16mm	O.D 16mm	O.D 16mm	O.D 16mm
Net dimensions (W x D x H)	Indoor	mm	910x206x294	1010x220x315	1010x220x315	1191x258x360	1400x280x370
	Outdoor	mm	795x305x549	853x349x602	920x380x699	920x380x699	967x421x803
Net weight	Indoor	kg	9.0	11.0	11.5	16.0	21.0
	Outdoor	kg	22.0	29.5	37.5	39.0	43.5
Packaging dimensions (W x D x H)	Indoor	mm	979×378×265	1080×390×297	1080×390×297	1298×435×326	1495×465×385
	Outdoor (WOP)	mm	835×328×575	890×385×628	960×430×732	960×430×732	1022×480×835
	Outdoor (WP)	mm	835×340×585	890×385×628	960×430×732	960×430×732	1022×480×835
Gross weight	Indoor	kg	11.5	13.5	14.0	20.0	26.5
	Outdoor (WOP)	kg	24.0	32.5	41.5	43.0	48.5
	Outdoor (WP)	kg	25.0	33.5	42.5	44.5	50.5
Stuffing qty	40'HQ (WOP)	sets	250.0	195.0	150.0	126.0	82.0
	40'HQ (WP)	sets	245.0	195.0	150.0	126.0	82.0

R32 Heat Pump Inverter Specifications

Capacity Class			12K	18K	24K	30K	36K
Type			Heat pump	Heat pump	Heat pump	Heat pump	Heat pump
			Inverter with R32	Inverter with R32	Inverter with R32	Inverter with R32	Inverter with R32
System Model Number			RW12AIHTG00	RW18AIHTG00	RW24AIHTG00	RW30AIHTG00	RW36AIHTG00
Indoor Model Name			RINW12AIHTG00	RINW18AIHTG00	RINW24AIHTG00	RINW30AIHTG00	RINW36AIHTG00
Outdoor Model Name			RONW12AIHTG00	RONW18AIHTG00	RONW24AIHTG00	RONW30AIHTG00	RONW36AIHTG00
Rated cooling capacity(T1)		Btu/h	12100(2559~16036)	19100(4436~20472)	23000(5118~24566)	30000(9895~31390)	36500(7506~38214)
Rated cooling capacity(T1)		W	3546(750~4700)	5598(1300~6000)	6741(1500~7200)	8792(2900~9200)	10698(2200~11200)
Rated cooling capacity(T3)		Btu/h	11200(2559~13648)	17800(4436~19790)	20800(5118~24566)	26000(9895~29000)	32400(7506~38214)
Rated cooling capacity(T3)		W	3283(750~4000)	5217(1300~5800)	6096(1500~7200)	7620(2900~8500)	9496(2200~11200)
Rated heating capacity		W	3500(750~4600)	5250(1500~5900)	7100(1500~7600)	8500(2500~9200)	10500
EER for cooling(T1)		Btu/h~W;	12.449	12.403	12.406	12.402	12.402
EER for cooling(T1)		W/W	3.65	3.64	3.64	3.63	3.63
EER for cooling(T3)		Btu/h~W;	9.302	9.300	9.102	9.012	9.101
EER for cooling(T3)		W/W	2.73	2.73	2.67	2.64	2.67
COP for heating		W/W	3.80	3.60	3.30	3.8	3.60
Moisture removal		Liters/h	1.2	1.8	2.2	2.8	3.6
Pressure	High(DP)	MPa	4.5	4.5	4.5	4.5	4.5
	Low(SP)	MPa	1.9	1.9	1.9	1.9	1.9
Indoor noise level at cooling	Super	dB(A)	48	50	50	54	56
	High	dB(A)	46	48	48	51	53
	Med.	dB(A)	40	42	42	46	46
	Low	dB(A)	32	37	37	39	39
	Quite	dB(A)	30	32	33	37	36
Outdoor noise level		dB(A)	55	56	61	62	64
Power supply			220-240V~1 Phase/ 50/60Hz	220-240V~1 Phase/ 50/60Hz	220-240V~1 Phase/ 50/60Hz	220-240V~1 Phase/ 50/60Hz	220-240V~1 Phase/ 50/60Hz
Voltage Range		V	198~264	198~264	198~264	198~264	198~264
Current	Cooling(T1)	A	6.4(1.1~9.0)	7.0(1.2~12.0)	8.5(1.6~15.0)	11.1(3.5~17.0)	13.2(3.3~20.5)
	Cooling(T3)	A	5.5(1.1~9.0)	8.8(1.2~12.0)	10.6(1.6~15.0)	13.2(3.5~17.0)	16.0(3.3~20.5)
	Heating	A	6.0(1.2~9.0)	6.6(1.0~10.0)	9.7(1.6~12.0)	10.0(3.0~15.0)	13.2(2.2~19.0)
Power input	Cooling(T1)	W	972	1540	1854	2419	2943
	Cooling(T3)	W	1204	1914	2308	2885	3560
	Heating	W	921	1458	2151	2236	2916
Refrigerant		kg	R32/0.56	R32/0.75	R32/1.13	R32/1.36	R32/1.96
Compressor	Type		Rotary	Rotary	Rotary	Rotary	Rotary
Expansion device			Capillary tube	Capillary tube	EEV	EEV	EEV
Indoor airflow		m3/h	Cooling: 700/650/570/ 520/440/410/370 Heating: 385/420/ 505/605/650	Cooling:1000/940/ 860/780/720/660/550 Heating: 625/705/ 830/940/1000	Cooling:1500/1410/1290/ 1180/1080/1000/820 Heating: 1000/1130/ 1330/1500/1600	Cooling:1700/1560/1460/ 1310/1180/1080/1020 Heating: 1020/1080/ 1310/1560/1700	Cooling:1900/1750/1650/ 1540/1430/1320/1160 Heating: 1140/1210/ 1430/1620/1750
Connecting Pipe	Gas	Inches	Φ9(3/8'')	Φ12(1/2'')	Φ12(1/2'')	Φ15.88(5/8'')	Φ15.88(5/8'')
	Liquid	Inches	Φ6(1/4'')	Φ6(1/4'')	Φ6(1/4'')	Φ6(1/4'')	Φ6(1/4'')
Connecting Wiring	Size x Core number		4×1.0	4×1.5	4×0.75	4×0.75	4×0.75
Drainage Pipe			O.D 16mm	O.D 16mm	O.D 16mm	O.D 16mm	O.D 16mm
Net dimensions (W x D x H)	Indoor	mm	910×206×294	1010×220×315	1010×220×315	1191×258×360	1400×280×370
	Outdoor	mm	795×305×549	853×349×602	920×380×699	967×421×803	967×421×803
Net weight	Indoor	kg	9.0	11.0	11.5	16.0	23.0
	Outdoor	kg	23.0	30.0	39.5	46.0	50.5
Packaging dimensions (W x D x H)	Indoor	mm	979×378×265	1080×390×297	1080×390×297	1298×435×326	1495×465×385
	Outdoor (WOP)	mm	835×328×575	890×385×628	960×430×732	1022×480×835	1022×480×835
	Outdoor (WP)	mm	835×340×585	890×385×628	960×430×732	1022×480×835	1022×480×835
Gross weight	Indoor	kg	11.5	13.5	14.0	20.0	28.5
	Outdoor (WOP)	kg	25.0	33.0	43.5	51.0	55.5
	Outdoor (WP)	kg	26.0	34.0	44.5	52.5	57.5
Stuffing qty	40'HQ (WOP)	sets	250	195	150	105	82
	40'HQ (WP)	sets	245	195	150	105	82

Performance Tables (R32 Cool Only Inverter)

UW12AICTG00

Indoor Temperature			Outdoor Temperature											
			35°			40°			46°			52°		
AFR (CFM)	EWB (°C)	EDB (°C)	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
250	16	22	3.118	2.654	0.981	2.998	2.496	1.049	2.901	2.579	1.221	2.680	1.872	1.291
	17.2	22	3.142	2.631	0.984	3.033	2.529	1.052	2.922	2.623	1.224	2.693	1.886	1.292
	16	24.4	3.151	2.702	0.983	3.045	2.569	1.051	2.947	2.645	1.225	2.720	1.944	1.293
	17.2	24.4	3.162	2.715	0.984	3.100	2.645	1.060	2.980	2.689	1.234	2.800	1.986	1.294
	22	24.4	3.301	2.996	0.986	3.211	2.765	1.060	3.052	2.831	1.235	2.852	2.064	1.295
	16	27	3.356	3.034	0.987	3.269	2.934	1.061	3.129	2.890	1.236	2.875	2.124	1.295
	19	27	3.377	3.090	0.988	3.312	2.999	1.061	3.184	3.003	1.236	2.991	2.246	1.296
	22	27	3.383	3.094	0.990	3.317	2.997	1.062	3.188	3.006	1.240	2.997	2.253	1.297
	16	29	3.383	3.020	0.991	3.319	2.931	1.063	3.191	2.993	1.239	3.000	2.186	1.297
	19	29	3.389	3.048	0.992	3.324	2.954	1.063	3.195	3.011	1.236	3.002	2.204	1.297
	22	29	3.393	3.051	0.993	3.337	2.964	1.064	3.231	3.032	1.237	3.024	2.205	1.298
310	16	22	3.349	2.797	0.996	3.279	2.858	1.067	3.178	2.996	1.114	2.974	2.018	1.305
	17.2	22	3.360	2.815	0.996	3.290	2.878	1.067	3.192	3.012	1.117	2.984	2.028	1.306
	16	24.4	3.371	2.832	0.997	3.308	2.898	1.067	3.206	3.039	1.120	2.997	2.042	1.306
	17.2	24.4	3.384	2.852	0.997	3.319	2.921	1.068	3.215	3.064	1.120	3.009	2.055	1.307
	22	24.4	3.397	2.869	0.998	3.333	2.931	1.068	3.224	3.092	1.121	3.024	2.064	1.309
	16	27	3.408	2.845	0.998	3.341	2.957	1.068	3.234	3.039	1.127	3.040	2.076	1.310
	19	27	3.417	2.858	0.999	3.359	2.983	1.069	3.257	3.064	1.243	3.082	2.091	1.311
	22	27	3.451	2.880	0.999	3.391	3.001	1.070	3.287	3.092	1.244	3.086	2.167	1.312
	16	29	3.499	3.092	1.000	3.416	3.064	1.071	3.302	3.125	1.244	3.096	2.215	1.312
	19	29	3.510	3.253	1.000	3.449	3.157	1.070	3.315	3.183	1.245	3.114	2.360	1.314
	22	29	3.528	3.263	1.001	3.456	3.160	1.072	3.322	3.201	1.246	3.121	2.356	1.319
400	16	22	3.397	2.962	1.004	3.348	2.884	1.079	3.241	3.092	1.252	3.080	2.148	1.328
	17.2	22	3.411	2.972	1.004	3.362	2.894	1.080	3.259	3.112	1.253	3.096	2.162	1.329
	16	24.4	3.430	2.982	1.005	3.380	2.908	1.080	3.273	3.135	1.254	3.119	2.174	1.331
	17.2	24.4	3.467	3.009	1.006	3.396	2.929	1.081	3.289	3.147	1.253	3.144	2.201	1.330
	22	24.4	3.526	3.287	1.007	3.456	3.160	1.082	3.332	3.141	1.255	3.163	2.339	1.338
	16	27	3.594	3.352	1.007	3.510	3.220	1.084	3.371	3.155	1.255	3.190	2.324	1.340
	19	27	3.664	3.424	1.008	3.608	3.323	1.084	3.504	3.307	1.256	3.292	2.441	1.341
	22	27	3.673	3.433	1.011	3.616	3.330	1.086	3.510	3.316	1.259	3.297	2.445	1.342
	16	29	3.675	3.373	1.011	3.619	3.328	1.086	3.513	3.320	1.258	3.299	2.448	1.343
	19	29	3.677	3.377	1.010	3.622	3.328	1.087	3.517	3.409	1.250	3.304	2.399	1.334
	22	29	3.697	3.394	1.013	3.640	3.344	1.090	3.532	3.423	1.255	3.318	2.409	1.339

UW12AIHTG00

Indoor Temperature			Outdoor Temperature											
			35°			40°			46°			52°		
AFR (CFM)	EWB (°C)	EDB (°C)	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
240	16	22	3.014	2.644	0.946	2.898	2.487	1.012	2.708	2.381	1.176	2.502	1.728	1.243
	17.2	22	3.037	2.621	0.949	2.932	2.520	1.015	2.728	2.421	1.179	2.514	1.741	1.244
	16	24.4	3.046	2.692	0.948	2.943	2.560	1.014	2.751	2.442	1.180	2.539	1.794	1.246
	17.2	24.4	3.056	2.706	0.949	2.997	2.635	1.022	2.782	2.483	1.189	2.614	1.833	1.246
	22	24.4	3.191	2.986	0.951	3.104	2.755	1.022	2.849	2.613	1.189	2.662	1.905	1.247
	16	27	3.244	3.023	0.952	3.160	2.924	1.023	2.921	2.668	1.190	2.684	1.960	1.248
	19	27	3.264	3.079	0.953	3.201	2.989	1.023	2.972	2.772	1.190	2.792	2.073	1.248
	22	27	3.270	3.083	0.955	3.206	2.987	1.024	2.976	2.775	1.194	2.798	2.080	1.249
	16	29	3.274	3.009	0.955	3.209	2.921	1.025	2.979	2.763	1.193	2.801	2.018	1.249
	19	29	3.276	3.037	0.956	3.213	2.943	1.025	2.983	2.780	1.191	2.803	2.034	1.250
	22	29	3.393	3.040	0.957	3.226	2.954	1.026	3.016	2.799	1.192	2.822	2.036	1.250
300	16	22	3.237	2.788	0.960	3.170	2.848	1.029	2.967	2.766	1.073	2.776	1.863	1.257
	17.2	22	3.248	2.805	0.961	3.181	2.868	1.029	2.980	2.781	1.076	2.785	1.872	1.258
	16	24.4	3.259	2.822	0.961	3.198	2.887	1.029	2.993	2.805	1.078	2.798	1.885	1.258
	17.2	24.4	3.271	2.842	0.961	3.209	2.911	1.029	3.001	2.828	1.079	2.809	1.897	1.258
	22	24.4	3.283	2.859	0.962	3.222	2.921	1.030	3.009	2.854	1.079	2.822	1.905	1.261
	16	27	3.294	2.835	0.963	3.229	2.947	1.030	3.019	2.805	1.085	2.838	1.916	1.262
	19	27	3.303	2.848	0.963	3.247	2.972	1.030	3.040	2.828	1.197	2.877	1.930	1.263
	22	27	3.337	2.869	0.964	3.278	2.990	1.031	3.068	2.854	1.198	2.880	2.000	1.263
	16	29	3.383	3.081	0.965	3.303	3.053	1.033	3.083	2.885	1.198	2.890	2.045	1.264
	19	29	3.393	3.241	0.965	3.334	3.146	1.032	3.095	2.939	1.200	2.907	2.178	1.266
	22	29	3.411	3.252	0.965	3.341	3.149	1.034	3.101	2.955	1.200	2.913	2.175	1.271
380	16	22	3.283	2.951	0.968	3.236	2.874	1.041	3.025	2.854	1.206	2.875	1.982	1.279
	17.2	22	3.298	2.962	0.968	3.250	2.884	1.041	3.042	2.872	1.207	2.890	1.996	1.280
	16	24.4	3.315	2.972	0.969	3.268	2.897	1.042	3.055	2.894	1.208	2.912	2.007	1.282
	17.2	24.4	3.352	2.998	0.970	3.283	2.919	1.042	3.071	2.905	1.207	2.934	2.032	1.281
	22	24.4	3.408	3.276	0.971	3.341	3.149	1.043	3.110	2.900	1.209	2.953	2.159	1.289
	16	27	3.475	3.340	0.971	3.393	3.209	1.045	3.146	2.912	1.208	2.978	2.145	1.291
	19	27	3.542	3.412	0.972	3.488	3.311	1.045	3.271	3.053	1.210	3.073	2.254	1.292
	22	27	3.551	3.421	0.974	3.496	3.318	1.047	3.277	3.061	1.212	3.078	2.257	1.293
	16	29	3.553	3.361	0.974	3.498	3.316	1.047	3.279	3.064	1.212	3.080	2.259	1.293
	19	29	3.555	3.365	0.974	3.501	3.317	1.048	3.283	3.147	1.204	3.085	2.215	1.285
	22	29	3.574	3.382	0.977	3.518	3.332	1.052	3.297	3.160	1.209	3.097	2.224	1.290

Performance Tables (R32 Cool Only Inverter)

UW18AICTG00

Indoor Temperature			Outdoor Temperature												
AFR (CFM)	EWB (°C)	EDB (°C)	TC	35° SC	PI	TC	40° SC	PI	TC	46° SC	PI	TC	52° SC	PI
	16	22	4.639	3.973	1.507	4.460	3.737	1.611	4.231	3.701	1.897	3.908	2.686	2.005
	17.2	22	4.675	3.939	1.512	4.512	3.787	1.616	4.262	3.763	1.901	3.927	2.706	2.007
	16	24.4	4.688	4.045	1.509	4.530	3.846	1.614	4.297	3.796	1.903	3.966	2.789	2.009
	17.2	24.4	4.704	4.066	1.511	4.612	3.960	1.627	4.346	3.859	1.918	4.084	2.849	2.010
	22	24.4	4.911	4.486	1.515	4.777	4.140	1.628	4.451	4.062	1.919	4.159	2.961	2.011
390	16	27	4.993	4.543	1.515	4.863	4.393	1.629	4.563	4.147	1.920	4.193	3.047	2.012
	19	27	5.024	4.626	1.517	4.927	4.491	1.630	4.643	4.310	1.920	4.362	3.222	2.013
	22	27	5.032	4.632	1.520	4.934	4.488	1.631	4.650	4.313	1.926	4.371	3.233	2.014
	16	29	5.038	4.522	1.522	4.938	4.389	1.633	4.653	4.294	1.924	4.376	3.137	2.015
	19	29	5.042	4.563	1.523	4.945	4.423	1.633	4.660	4.321	1.921	4.378	3.163	2.016
	22	29	5.048	4.568	1.525	4.965	4.438	1.634	4.711	4.351	1.922	4.409	3.164	2.017
	16	22	4.982	4.189	1.529	4.879	4.279	1.638	4.635	4.299	1.731	4.337	2.896	2.027
	17.2	22	4.999	4.214	1.530	4.895	4.309	1.639	4.655	4.323	1.735	4.352	2.910	2.028
	16	24.4	5.015	4.240	1.531	4.922	4.339	1.639	4.675	4.361	1.739	4.371	2.930	2.029
	17.2	24.4	5.034	4.270	1.531	4.938	4.374	1.639	4.689	4.396	1.740	4.389	2.949	2.030
	22	24.4	5.053	4.296	1.533	4.959	4.389	1.640	4.701	4.437	1.741	4.409	2.961	2.034
460	16	27	5.069	4.261	1.533	4.970	4.428	1.640	4.716	4.361	1.751	4.433	2.978	2.036
	19	27	5.084	4.280	1.534	4.997	4.466	1.641	4.750	4.396	1.931	4.495	3.001	2.037
	22	27	5.135	4.312	1.535	5.045	4.493	1.643	4.793	4.437	1.932	4.500	3.109	2.038
	16	29	5.206	4.630	1.536	5.083	4.588	1.644	4.816	4.484	1.933	4.515	3.178	2.038
	19	29	5.222	4.870	1.536	5.131	4.727	1.643	4.835	4.568	1.935	4.542	3.386	2.042
	22	29	5.249	4.886	1.537	5.142	4.732	1.646	4.844	4.593	1.936	4.552	3.381	2.049
	16	22	5.053	4.435	1.542	4.981	4.319	1.658	4.727	4.437	1.946	4.491	3.082	2.063
	17.2	22	5.075	4.450	1.542	5.002	4.334	1.659	4.752	4.465	1.946	4.515	3.102	2.065
	16	24.4	5.102	4.466	1.544	5.029	4.354	1.659	4.773	4.498	1.948	4.549	3.120	2.067
	17.2	24.4	5.158	4.505	1.545	5.053	4.386	1.660	4.797	4.515	1.946	4.584	3.158	2.067
	22	24.4	5.245	4.922	1.546	5.142	4.732	1.661	4.859	4.508	1.950	4.613	3.356	2.079
550	16	27	5.347	5.019	1.547	5.222	4.821	1.664	4.916	4.527	1.949	4.652	3.335	2.082
	19	27	5.451	5.127	1.548	5.367	4.976	1.664	5.110	4.745	1.952	4.801	3.503	2.084
	22	27	5.465	5.140	1.552	5.379	4.986	1.668	5.119	4.759	1.955	4.808	3.509	2.085
	16	29	5.467	5.050	1.552	5.384	4.983	1.668	5.123	4.764	1.954	4.811	3.512	2.086
	19	29	5.471	5.056	1.552	5.388	4.984	1.669	5.129	4.892	1.942	4.819	3.443	2.073
	22	29	5.501	5.081	1.556	5.415	5.007	1.675	5.151	4.913	1.950	4.838	3.457	2.080

UW18AIHTG00

Indoor Temperature			Outdoor Temperature												
AFR (CFM)	EWB (°C)	EDB (°C)	TC	35° SC	PI	TC	40° SC	PI	TC	46° SC	PI	TC	52° SC	PI
	16	22	4.764	4.055	1.499	4.580	3.813	1.603	4.303	3.713	1.870	3.975	2.694	1.977
	17.2	22	4.801	4.020	1.504	4.633	3.865	1.608	4.335	3.775	1.874	3.995	2.715	1.978
	16	24.4	4.814	4.128	1.502	4.652	3.925	1.606	4.371	3.808	1.876	4.034	2.798	1.980
	17.2	24.4	4.831	4.149	1.503	4.736	4.041	1.619	4.421	3.871	1.890	4.154	2.858	1.981
	22	24.4	5.044	4.578	1.507	4.906	4.225	1.620	4.527	4.074	1.891	4.230	2.970	1.982
390	16	27	5.128	4.636	1.508	4.994	4.483	1.621	4.641	4.160	1.892	4.264	3.057	1.983
	19	27	5.159	4.721	1.509	5.059	4.583	1.622	4.722	4.323	1.892	4.437	3.232	1.984
	22	27	5.168	4.727	1.512	5.067	4.580	1.623	4.730	4.327	1.899	4.446	3.243	1.985
	16	29	5.174	4.615	1.514	5.071	4.478	1.624	4.733	4.308	1.897	4.451	3.146	1.986
	19	29	5.178	4.657	1.515	5.078	4.514	1.624	4.740	4.335	1.893	4.454	3.172	1.987
	22	29	5.184	4.662	1.517	5.099	4.529	1.626	4.792	4.365	1.895	4.485	3.174	1.988
	16	22	5.117	4.275	1.522	5.010	4.397	1.630	4.714	4.312	1.706	4.412	2.905	1.998
	17.2	22	5.133	4.301	1.522	5.027	4.397	1.630	4.735	4.336	1.710	4.426	2.919	1.999
	16	24.4	5.150	4.327	1.523	5.054	4.428	1.630	4.756	4.374	1.714	4.446	2.939	2.000
	17.2	24.4	5.170	4.357	1.523	5.071	4.463	1.631	4.769	4.410	1.715	4.464	2.958	2.001
	22	24.4	5.189	4.384	1.525	5.093	4.478	1.632	4.782	4.450	1.716	4.485	2.970	2.005
460	16	27	5.206	4.348	1.525	5.104	4.519	1.632	4.797	4.374	1.725	4.510	2.988	2.007
	19	27	5.221	4.368	1.526	5.132	4.557	1.633	4.832	4.410	1.904	4.572	3.010	2.007
	22	27	5.273	4.400	1.527	5.181	4.585	1.634	4.875	4.450	1.904	4.577	3.119	2.008
	16	29	5.346	4.724	1.528	5.220	4.681	1.636	4.899	4.498	1.905	4.592	3.188	2.009
	19	29	5.363	4.970	1.528	5.269	4.823	1.634	4.918	4.582	1.907	4.620	3.397	2.012
	22	29	5.391	4.986	1.530	5.280	4.829	1.638	4.927	4.607	1.908	4.630	3.392	2.020
	16	22	5.189	4.526	1.534	5.115	4.407	1.649	4.808	4.450	1.917	4.568	3.091	2.034
	17.2	22	5.212	4.541	1.534	5.137	4.423	1.650	4.834	4.512	1.918	4.593	3.112	2.035
	16	24.4	5.240	4.557	1.536	5.165	4.443	1.651	4.854	4.512	1.920	4.627	3.129	2.037
	17.2	24.4	5.297	4.597	1.537	5.189	4.476	1.651	4.879	4.529	1.918	4.663	3.168	2.037
	22	24.4	5.386	5.023	1.538	5.280	4.829	1.653	4.943	4.522	1.922	4.693	3.366	2.049
550	16	27	5.492	5.122	1.539	5.363	4.920	1.655	5.000	4.541	1.921	4.732	3.345	2.052
	19	27	5.598	5.232	1.540	5.512	5.078	1.656	5.197	4.760	1.924	4.883	3.514	2.054
	22	27	5.612	5.245	1.544	5.525	5.089	1.660	5.207	4.773	1.927	4.891	3.519	2.055
	16	29	5.615	5.154	1.544	5.529	5.085	1.659	5.210	4.778	1.926	4.894	3.523	2.056
	19	29	5.618	5.160	1.544	5.534	5.086	1.661	5.217	4.907	1.914	4.902	3.454	2.043
	22	29	5.649	5.186	1.548	5.561	5.110	1.666	5.239	4.928	1.921	4.921	3.467	2.050

Performance Tables (R32 Cool Only Inverter)

UW24AICTG00

Indoor Temperature			Outdoor Temperature												
AFR (CFM)	EWB (°C)	EDB (°C)	35° TC	35° SC	35° PI	40° TC	40° SC	40° PI	46° TC	46° SC	46° PI	52° TC	52° SC	52° PI
590	16	22	6.111	5.404	2.021	5.876	5.082	2.161	5.367	4.823	2.406	4.957	3.500	2.543
	17.2	22	6.158	5.357	2.027	5.944	5.151	2.167	5.406	4.904	2.411	4.982	3.527	2.545
	16	24.4	6.176	5.502	2.024	5.968	5.231	2.165	5.451	4.947	2.413	5.031	3.635	2.548
	17.2	24.4	6.197	5.530	2.026	6.075	5.386	2.183	5.513	5.029	2.432	5.180	3.713	2.549
	22	24.4	6.470	6.101	2.031	6.293	5.630	2.183	5.645	5.293	2.433	5.275	3.859	2.551
	16	27	6.578	6.178	2.032	6.406	5.975	2.185	5.788	5.405	2.435	5.318	3.971	2.552
	19	27	6.618	6.292	2.034	6.490	6.108	2.186	5.889	5.616	2.435	5.533	4.199	2.553
	22	27	6.629	6.300	2.039	6.500	6.104	2.188	5.898	5.621	2.443	5.544	4.213	2.555
	16	29	6.637	6.150	2.041	6.505	5.969	2.190	5.903	5.596	2.441	5.550	4.088	2.556
	19	29	6.642	6.207	2.043	6.514	6.015	2.190	5.911	5.631	2.436	5.554	4.121	2.557
	22	29	6.650	6.213	2.045	6.540	6.036	2.192	5.976	5.670	2.438	5.593	4.124	2.558
690	16	22	6.563	5.697	2.051	6.427	5.820	2.197	5.879	5.602	2.196	5.502	3.774	2.571
	17.2	22	6.585	5.732	2.052	6.448	5.860	2.198	5.905	5.633	2.201	5.520	3.792	2.573
	16	24.4	6.607	5.767	2.053	6.484	5.901	2.198	5.931	5.683	2.206	5.544	3.819	2.574
	17.2	24.4	6.632	5.807	2.053	6.505	5.948	2.199	5.948	5.729	2.207	5.567	3.843	2.574
	22	24.4	6.657	5.843	2.055	6.533	5.969	2.200	5.963	5.782	2.208	5.593	3.859	2.579
	16	27	6.678	5.795	2.056	6.547	6.023	2.200	5.983	5.683	2.220	5.624	3.881	2.582
	19	27	6.697	5.821	2.057	6.583	6.074	2.201	6.025	5.729	2.450	5.702	3.910	2.583
	22	27	6.765	5.864	2.058	6.646	6.111	2.203	6.080	5.782	2.450	5.708	4.052	2.584
	16	29	6.858	6.297	2.060	6.696	6.239	2.205	6.109	5.844	2.451	5.727	4.142	2.585
	19	29	6.879	6.624	2.060	6.759	6.429	2.203	6.133	5.953	2.454	5.761	4.413	2.589
	22	29	6.915	6.645	2.062	6.774	6.436	2.208	6.145	5.986	2.456	5.774	4.406	2.599
830	16	22	6.657	6.032	2.068	6.562	5.874	2.223	5.995	5.782	2.467	5.697	4.016	2.617
	17.2	22	6.686	6.053	2.068	6.590	5.894	2.224	6.028	5.819	2.468	5.728	4.043	2.618
	16	24.4	6.721	6.073	2.070	6.625	5.921	2.225	6.054	5.862	2.470	5.770	4.065	2.622
	17.2	24.4	6.796	6.127	2.071	6.657	5.966	2.226	6.085	5.884	2.468	5.815	4.116	2.622
	22	24.4	6.910	6.695	2.074	6.774	6.436	2.228	6.164	5.875	2.473	5.852	4.373	2.637
	16	27	7.045	6.827	2.074	6.880	6.557	2.232	6.235	5.899	2.472	5.901	4.346	2.641
	19	27	7.181	6.973	2.076	7.071	6.767	2.232	6.482	6.184	2.475	6.089	4.565	2.643
	22	27	7.199	6.990	2.081	7.087	6.782	2.237	6.493	6.201	2.480	6.099	4.572	2.644
	16	29	7.203	6.868	2.081	7.093	6.778	2.237	6.498	6.208	2.478	6.103	4.577	2.646
	19	29	7.207	6.877	2.081	7.099	6.778	2.239	6.506	6.375	2.463	6.113	4.487	2.629
	22	29	7.247	6.911	2.087	7.133	6.810	2.246	6.534	6.402	2.473	6.137	4.505	2.639

UW24AIHTG00

Indoor Temperature			Outdoor Temperature												
AFR (CFM)	EWB (°C)	EDB (°C)	35° TC	35° SC	35° PI	40° TC	40° SC	40° PI	46° TC	46° SC	46° PI	52° TC	52° SC	52° PI
590	16	22	5.737	5.123	1.805	5.516	4.818	1.930	5.029	4.451	2.255	4.645	3.230	2.383
	17.2	22	5.781	5.078	1.810	5.579	4.883	1.936	5.065	4.526	2.260	4.668	3.255	2.385
	16	24.4	5.797	5.215	1.808	5.602	4.959	1.934	5.108	4.565	2.262	4.714	3.354	2.388
	17.2	24.4	5.817	5.242	1.810	5.703	5.105	1.949	5.166	4.641	2.279	4.854	3.427	2.389
	22	24.4	6.074	5.784	1.814	5.907	5.337	1.950	5.290	4.885	2.280	4.943	3.561	2.391
	16	27	6.175	5.856	1.815	6.013	5.664	1.952	5.423	4.987	2.281	4.983	3.665	2.392
	19	27	6.212	5.965	1.817	6.092	5.790	1.952	5.518	5.183	2.281	5.184	3.875	2.392
	22	27	6.223	5.972	1.821	6.102	5.786	1.954	5.527	5.187	2.289	5.195	3.888	2.394
	16	29	6.230	5.830	1.822	6.106	5.658	1.956	5.531	5.164	2.287	5.201	3.772	2.395
	19	29	6.235	5.883	1.824	6.115	5.702	1.956	5.539	5.197	2.282	5.204	3.803	2.396
	22	29	6.242	5.890	1.826	6.140	5.722	1.958	5.599	5.233	2.285	5.241	3.805	2.397
690	16	22	6.161	5.400	1.832	6.033	5.517	1.962	5.508	5.170	2.057	5.155	3.482	2.409
	17.2	22	6.181	5.433	1.832	6.053	5.555	1.963	5.533	5.199	2.062	5.172	3.499	2.411
	16	24.4	6.202	5.466	1.833	6.086	5.594	1.963	5.557	5.244	2.067	5.195	3.524	2.412
	17.2	24.4	6.226	5.505	1.834	6.106	5.639	1.964	5.573	5.287	2.068	5.216	3.546	2.412
	22	24.4	6.249	5.539	1.835	6.133	5.658	1.964	5.587	5.336	2.069	5.241	3.561	2.417
	16	27	6.269	5.493	1.836	6.146	5.709	1.965	5.605	5.244	2.081	5.269	3.582	2.420
	19	27	6.287	5.518	1.837	6.180	5.758	1.966	5.646	5.287	2.295	5.342	3.609	2.420
	22	27	6.350	5.559	1.838	6.239	5.793	1.967	5.697	5.336	2.296	5.348	3.739	2.422
	16	29	6.438	5.969	1.840	6.286	5.915	1.970	5.724	5.393	2.297	5.366	3.822	2.422
	19	29	6.458	6.279	1.840	6.345	6.094	1.968	5.746	5.494	2.300	5.398	4.072	2.426
	22	29	6.492	6.299	1.841	6.359	6.101	1.972	5.757	5.524	2.301	5.410	4.066	2.436
830	16	22	6.249	5.718	1.847	6.159	5.568	1.985	5.618	5.336	2.312	5.338	3.706	2.452
	17.2	22	6.276	5.737	1.847	6.186	5.587	1.986	5.648	5.370	2.313	5.367	3.731	2.454
	16	24.4	6.310	5.757	1.849	6.219	5.613	1.988	5.672	5.410	2.315	5.407	3.752	2.457
	17.2	24.4	6.379	5.808	1.850	6.249	5.655	1.988	5.702	5.430	2.313	5.449	3.798	2.457
	22	24.4	6.486	6.346	1.852	6.359	6.101	1.989	5.776	5.421	2.317	5.483	4.036	2.471
	16	27	6.613	6.471	1.852	6.458	6.216	1.993	5.842	5.444	2.316	5.529	4.011	2.475
	19	27	6.741	6.610	1.854	6.637	6.415	1.993	6.073	5.707	2.320	5.706	4.213	2.476
	22	27	6.758	6.627	1.859	6.653	6.429	1.998	6.084	5.722	2.324	5.715	4.219	2.478
	16	29	6.761	6.511	1.859	6.658	6.425	1.997	6.088	5.729	2.322	5.718	4.224	2.480
	19	29	6.765	6.519	1.858	6.664	6.425	1.999	6.096	5.883	2.308	5.728	4.141	2.463
	22	29	6.803	6.551	1.864	6.696	6.456	2.006	6.122	5.908	2.317	5.750	4.157	2.473

Performance Tables (R32 Cool Only Inverter)

UW30AICTG00

Indoor Temperature			Outdoor Temperature											
AFR (CFM)	EWB (°C)	EDB (°C)	TC	35° SC	PI	TC	40° SC	PI	TC	46° SC	PI	TC	52° SC	PI
	16	22	7.482	6.498	2.355	7.194	6.111	2.518	6.165	5.315	2.707	5.695	3.857	2.862
	17.2	22	7.540	6.441	2.362	7.277	6.193	2.525	6.211	5.404	2.713	5.723	3.887	2.864
	16	24.4	7.561	6.615	2.359	7.306	6.290	2.523	6.262	5.451	2.715	5.779	4.005	2.867
	17.2	24.4	7.587	6.649	2.361	7.438	6.476	2.543	6.334	5.542	2.736	5.951	4.092	2.868
	22	24.4	7.922	7.336	2.367	7.705	6.770	2.544	6.485	5.833	2.738	6.060	4.252	2.870
660	16	27	8.053	7.428	2.368	7.843	7.185	2.546	6.649	5.956	2.739	6.109	4.376	2.871
	19	27	8.103	7.565	2.371	7.946	7.344	2.547	6.765	6.189	2.739	6.356	4.627	2.872
	22	27	8.117	7.575	2.375	7.958	7.339	2.549	6.776	6.194	2.749	6.369	4.643	2.874
	16	29	8.126	7.395	2.378	7.964	7.176	2.552	6.781	6.167	2.746	6.376	4.505	2.875
	19	29	8.132	7.462	2.380	7.975	7.233	2.552	6.791	6.206	2.740	6.380	4.541	2.876
	22	29	8.141	7.470	2.383	8.008	7.258	2.554	6.865	6.249	2.743	6.425	4.544	2.878
	16	22	8.036	6.850	2.390	7.869	6.997	2.560	6.753	6.174	2.470	6.320	4.158	2.893
	17.2	22	8.062	6.892	2.391	7.895	7.046	2.561	6.783	6.208	2.476	6.341	4.178	2.894
	16	24.4	8.089	6.934	2.392	7.938	7.095	2.561	6.813	6.262	2.482	6.369	4.208	2.896
	17.2	24.4	8.120	6.982	2.392	7.964	7.152	2.562	6.832	6.313	2.483	6.395	4.235	2.896
	22	24.4	8.150	7.026	2.395	7.999	7.176	2.563	6.850	6.371	2.484	6.425	4.252	2.902
780	16	27	8.177	6.967	2.395	8.016	7.241	2.564	6.873	6.262	2.498	6.461	4.277	2.905
	19	27	8.199	6.999	2.397	8.060	7.303	2.565	6.922	6.313	2.756	6.550	4.309	2.906
	22	27	8.282	7.051	2.398	8.137	7.347	2.567	6.984	6.371	2.757	6.557	4.465	2.908
	16	29	8.396	7.571	2.401	8.198	7.502	2.570	7.018	6.439	2.758	6.579	4.564	2.908
	19	29	8.422	7.964	2.401	8.275	7.729	2.567	7.045	6.560	2.761	6.619	4.863	2.913
	22	29	8.467	7.990	2.403	8.293	7.738	2.572	7.059	6.596	2.763	6.633	4.856	2.924
	16	22	8.150	7.252	2.409	8.034	7.062	2.591	6.888	6.371	2.776	6.545	4.425	2.944
	17.2	22	8.185	7.277	2.410	8.068	7.087	2.592	6.925	6.412	2.777	6.580	4.455	2.946
	16	24.4	8.229	7.302	2.412	8.111	7.119	2.593	6.955	6.460	2.779	6.629	4.480	2.950
	17.2	24.4	8.320	7.367	2.414	8.150	7.173	2.594	6.990	6.484	2.777	6.680	4.535	2.949
	22	24.4	8.460	8.049	2.417	8.293	7.738	2.596	7.081	6.474	2.782	6.723	4.819	2.967
940	16	27	8.625	8.208	2.417	8.423	7.884	2.600	7.163	6.501	2.781	6.779	4.789	2.971
	19	27	8.792	8.384	2.419	8.657	8.136	2.601	7.446	6.814	2.785	6.996	5.031	2.973
	22	27	8.814	8.405	2.425	8.677	8.154	2.607	7.459	6.833	2.790	7.006	5.038	2.975
	16	29	8.818	8.258	2.425	8.684	8.149	2.606	7.465	6.841	2.788	7.011	5.044	2.977
	19	29	8.824	8.268	2.425	8.691	8.150	2.609	7.474	7.025	2.771	7.022	4.945	2.958
	22	29	8.872	8.310	2.432	8.734	8.188	2.617	7.506	7.055	2.782	7.050	4.964	2.969

UW30AIHTG00

Indoor Temperature			Outdoor Temperature											
AFR (CFM)	EWB (°C)	EDB (°C)	TC	35° SC	PI	TC	40° SC	PI	TC	46° SC	PI	TC	52° SC	PI
	16	22	7.482	6.472	2.355	7.194	6.086	2.518	6.286	5.483	2.818	5.806	3.979	2.979
	17.2	22	7.540	6.416	2.362	7.277	6.169	2.525	6.332	5.575	2.825	5.835	4.009	2.981
	16	24.4	7.561	6.589	2.359	7.306	6.265	2.523	6.384	5.624	2.827	5.892	4.132	2.984
	17.2	24.4	7.587	6.623	2.361	7.438	6.450	2.543	6.457	5.717	2.849	6.067	4.221	2.986
	22	24.4	7.922	7.307	2.367	7.705	6.743	2.544	6.612	6.017	2.850	6.179	4.387	2.988
640	16	27	8.053	7.399	2.368	7.843	7.156	2.546	6.779	6.144	2.852	6.229	4.514	2.989
	19	27	8.103	7.536	2.371	7.946	7.315	2.547	6.898	6.384	2.852	6.480	4.774	2.991
	22	27	8.117	7.545	2.375	7.958	7.310	2.549	6.908	6.390	2.862	6.494	4.790	2.992
	16	29	8.126	7.366	2.378	7.964	7.148	2.552	6.913	6.362	2.859	6.501	4.647	2.994
	19	29	8.132	7.433	2.380	7.975	7.204	2.552	6.923	6.402	2.853	6.505	4.685	2.995
	22	29	8.141	7.441	2.383	8.008	7.229	2.554	6.999	6.446	2.856	6.551	4.688	2.996
	16	22	8.036	6.823	2.390	7.869	6.970	2.560	6.885	6.369	2.572	6.444	4.290	3.012
	17.2	22	8.062	6.865	2.391	7.895	7.018	2.561	6.916	6.404	2.578	6.465	4.310	3.013
	16	24.4	8.089	6.906	2.392	7.938	7.067	2.561	6.946	6.460	2.584	6.494	4.341	3.015
	17.2	24.4	8.120	6.955	2.392	7.964	7.124	2.562	6.966	6.513	2.585	6.520	4.369	3.016
	22	24.4	8.150	6.998	2.395	7.999	7.148	2.563	6.984	6.573	2.586	6.551	4.387	3.021
770	16	27	8.177	6.940	2.395	8.016	7.213	2.564	7.007	6.460	2.601	6.587	4.412	3.024
	19	27	8.199	6.972	2.397	8.060	7.274	2.565	7.057	6.513	2.869	6.678	4.445	3.025
	22	27	8.282	7.023	2.398	8.137	7.318	2.567	7.121	6.573	2.870	6.686	4.606	3.027
	16	29	8.396	7.541	2.401	8.198	7.472	2.570	7.155	6.643	2.871	6.708	4.708	3.028
	19	29	8.422	7.933	2.401	8.275	7.699	2.567	7.183	6.767	2.875	6.748	5.017	3.033
	22	29	8.467	7.959	2.403	8.293	7.707	2.572	7.197	6.805	2.876	6.762	5.009	3.045
	16	22	8.150	7.224	2.409	8.034	7.035	2.591	7.022	6.573	2.890	6.673	4.565	3.065
	17.2	22	8.185	7.249	2.410	8.068	7.059	2.592	7.060	6.615	2.891	6.708	4.596	3.067
	16	24.4	8.229	7.274	2.412	8.111	7.091	2.593	7.090	6.664	2.894	6.759	4.621	3.071
	17.2	24.4	8.320	7.338	2.414	8.150	7.145	2.594	7.127	6.689	2.891	6.811	4.679	3.071
	22	24.4	8.460	8.018	2.417	8.293	7.707	2.596	7.219	6.678	2.897	6.854	4.972	3.089
920	16	27	8.625	8.176	2.417	8.423	7.853	2.600	7.303	6.706	2.896	6.911	4.941	3.093
	19	27	8.792	8.351	2.419	8.657	8.104	2.601	7.591	7.030	2.899	7.132	5.190	3.095
	22	27	8.814	8.372	2.425	8.677	8.122	2.607	7.605	7.049	2.905	7.143	5.198	3.097
	16	29	8.818	8.226	2.425	8.684	8.117	2.606	7.610	7.057	2.903	7.148	5.203	3.099
	19	29	8.824	8.236	2.425	8.691	8.118	2.609	7.620	7.247	2.885	7.159	5.101	3.079
	22	29	8.872	8.277	2.432	8.734	8.156	2.617	7.653	7.277	2.896	7.188	5.121	3.091

Performance Tables (R32 Cool Only Inverter)

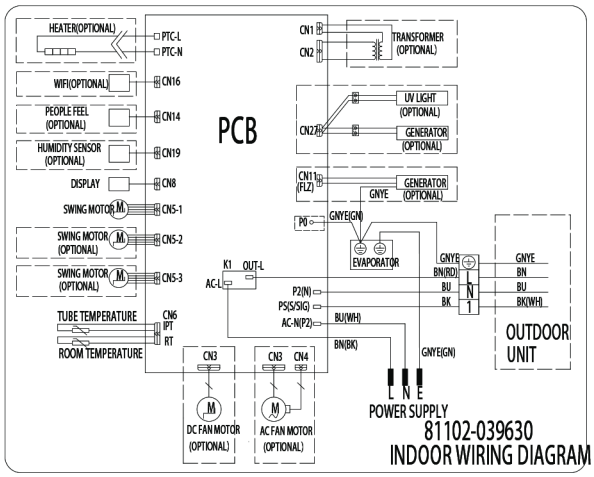
UW36AICTG00

Indoor Temperature			Outdoor Temperature												
AFR (CFM)	EWB (°C)	EDB (°C)	35° TC	35° SC	35° PI	40° TC	40° SC	40° PI	46° TC	46° SC	46° PI	52° TC	52° SC	52° PI
770	16	22	8.979	7.770	2.826	8.633	7.307	3.021	7.737	6.733	3.469	7.147	4.886	3.667
	17.2	22	9.048	7.703	2.835	8.733	7.406	3.031	7.793	6.846	3.477	7.182	4.923	3.670
	16	24.4	9.074	7.911	2.830	8.768	7.521	3.028	7.858	6.906	3.480	7.252	5.074	3.673
	17.2	24.4	9.104	7.951	2.833	8.926	7.744	3.052	7.948	7.021	3.507	7.468	5.183	3.676
	22	24.4	9.506	8.773	2.840	9.246	8.095	3.053	8.138	7.389	3.508	7.605	5.387	3.678
	16	27	9.665	8.883	2.842	9.412	8.592	3.056	8.344	7.544	3.510	7.667	5.543	3.679
	19	27	9.724	9.047	2.845	9.536	8.782	3.057	8.490	7.840	3.510	7.976	5.862	3.681
	22	27	9.741	9.058	2.851	9.550	8.776	3.060	8.503	7.847	3.522	7.993	5.882	3.683
	16	29	9.751	8.843	2.854	9.558	8.582	3.062	8.509	7.812	3.519	8.001	5.706	3.685
	19	29	9.759	8.924	2.857	9.571	8.649	3.062	8.522	7.861	3.512	8.007	5.753	3.686
	22	29	9.770	8.933	2.859	9.610	8.679	3.065	8.615	7.916	3.515	8.063	5.756	3.688
900	16	22	9.644	8.191	2.868	9.443	8.368	3.073	8.475	7.821	3.166	7.931	5.268	3.707
	17.2	22	9.675	8.241	2.869	9.475	8.426	3.073	8.512	7.864	3.173	7.957	5.293	3.709
	16	24.4	9.707	8.292	2.870	9.527	8.485	3.074	8.550	7.933	3.181	7.993	5.330	3.711
	17.2	24.4	9.745	8.350	2.871	9.558	8.553	3.075	8.574	7.998	3.182	8.025	5.365	3.712
	22	24.4	9.781	8.402	2.874	9.599	8.582	3.076	8.596	8.071	3.183	8.063	5.387	3.719
	16	27	9.812	8.332	2.875	9.620	8.660	3.076	8.624	7.933	3.201	8.107	5.418	3.723
	19	27	9.840	8.370	2.877	9.672	8.733	3.078	8.686	7.998	3.532	8.219	5.459	3.724
	22	27	9.939	8.432	2.878	9.765	8.786	3.080	8.764	8.071	3.533	8.229	5.656	3.726
	16	29	10.076	9.053	2.881	9.838	8.971	3.084	8.807	8.157	3.534	8.256	5.781	3.727
	19	29	10.107	9.524	2.881	9.931	9.243	3.081	8.841	8.310	3.538	8.305	6.160	3.733
	22	29	10.161	9.555	2.883	9.952	9.253	3.087	8.858	8.356	3.540	8.323	6.151	3.747
1030	16	22	9.781	8.672	2.891	9.641	8.446	3.109	8.643	8.071	3.557	8.213	5.606	3.773
	17.2	22	9.823	8.703	2.892	9.682	8.475	3.110	8.690	8.123	3.559	8.257	5.644	3.775
	16	24.4	9.876	8.733	2.895	9.734	8.514	3.111	8.727	8.183	3.562	8.319	5.675	3.780
	17.2	24.4	9.985	8.810	2.897	9.781	8.578	3.112	8.772	8.214	3.559	8.383	5.745	3.780
	22	24.4	10.152	9.626	2.900	9.952	9.253	3.115	8.886	8.200	3.565	8.436	6.105	3.802
	16	27	10.351	9.815	2.900	10.108	9.428	3.120	8.989	8.235	3.564	8.506	6.067	3.807
	19	27	10.551	10.026	2.903	10.389	9.730	3.121	9.344	8.632	3.569	8.779	6.373	3.810
	22	27	10.577	10.051	2.910	10.413	9.751	3.128	9.361	8.656	3.575	8.792	6.382	3.812
	16	29	10.583	9.876	2.910	10.421	9.745	3.128	9.367	8.666	3.573	8.798	6.389	3.815
	19	29	10.589	9.887	2.910	10.430	9.746	3.131	9.379	8.899	3.551	8.812	6.264	3.790
	22	29	10.647	9.937	2.918	10.481	9.792	3.141	9.419	8.936	3.565	8.847	6.288	3.804

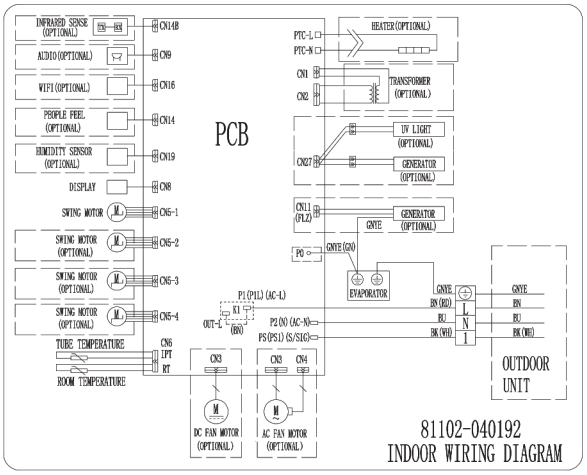
UW36AIHTG00

Indoor Temperature			Outdoor Temperature												
AFR (CFM)	EWB (°C)	EDB (°C)	35° TC	35° SC	35° PI	40° TC	40° SC	40° PI	46° TC	46° SC	46° PI	52° TC	52° SC	52° PI
770	16	22	9.104	7.937	2.865	8.753	7.464	3.063	7.833	6.794	3.478	7.236	4.930	3.676
	17.2	22	9.174	7.868	2.874	8.854	7.565	3.072	7.891	6.907	3.485	7.271	4.968	3.679
	16	24.4	9.200	8.080	2.869	8.890	7.683	3.069	7.956	6.968	3.488	7.343	5.119	3.683
	17.2	24.4	9.231	8.122	2.872	9.051	7.910	3.094	8.047	7.084	3.516	7.561	5.230	3.685
	22	24.4	9.639	8.961	2.879	9.375	8.269	3.095	8.240	7.455	3.517	7.700	5.435	3.687
	16	27	9.799	9.074	2.881	9.543	8.776	3.098	8.448	7.612	3.519	7.762	5.593	3.689
	19	27	9.859	9.241	2.884	9.669	8.971	3.099	8.596	7.910	3.519	8.076	5.915	3.690
	22	27	9.876	9.253	2.890	9.683	8.965	3.102	8.609	7.917	3.531	8.092	5.935	3.693
	16	29	9.887	9.033	2.893	9.691	8.766	3.104	8.615	7.882	3.528	8.101	5.758	3.694
	19	29	9.895	9.115	2.896	9.704	8.835	3.104	8.628	7.932	3.521	8.106	5.805	3.695
	22	29	9.906	9.125	2.899	9.744	8.865	3.107	8.722	7.987	3.524	8.164	5.808	3.697
900	16	22	9.778	8.367	2.908	9.575	8.547	3.115	8.581	7.891	3.174	8.030	5.315	3.716
	17.2	22	9.810	8.418	2.909	9.607	8.607	3.115	8.618	7.934	3.181	8.057	5.340	3.718
	16	24.4	9.842	8.469	2.910	9.659	8.667	3.116	8.656	8.004	3.189	8.092	5.378	3.720
	17.2	24.4	9.881	8.529	2.911	9.691	8.736	3.117	8.681	8.069	3.190	8.126	5.413	3.721
	22	24.4	9.917	8.582	2.914	9.733	8.766	3.118	8.704	8.144	3.191	8.164	5.435	3.728
	16	27	9.949	8.510	2.914	9.754	8.845	3.119	8.732	8.004	3.209	8.208	5.467	3.732
	19	27	9.977	8.549	2.917	9.807	8.921	3.120	8.794	8.069	3.541	8.322	5.508	3.733
	22	27	10.078	8.613	2.918	9.902	8.975	3.123	8.874	8.144	3.542	8.331	5.707	3.736
	16	29	10.217	9.248	2.921	9.975	9.163	3.126	8.916	8.231	3.543	8.359	5.833	3.736
	19	29	10.248	9.728	2.921	10.069	9.441	3.123	8.951	8.385	3.547	8.409	6.216	3.742
	22	29	10.302	9.760	2.923	10.091	9.452	3.130	8.968	8.431	3.549	8.427	6.206	3.757
1030	16	22	9.917	8.858	2.931	9.775	8.627	3.152	8.751	8.144	3.566	8.315	5.656	3.783
	17.2	22	9.960	8.889	2.932	9.817	8.657	3.153	8.798	8.196	3.568	8.360	5.694	3.785
	16	24.4	10.013	8.920	2.935	9.870	8.696	3.154	8.836	8.257	3.571	8.422	5.726	3.790
	17.2	24.4	10.124	8.999	2.936	9.917	8.762	3.155	8.881	8.288	3.568	8.488	5.797	3.789
	22	24.4	10.294	9.832	2.940	10.091	9.452	3.158	8.997	8.274	3.574	8.541	6.160	3.812
	16	27	10.495	10.026	2.940	10.249	9.631	3.163	9.101	8.309	3.573	8.613	6.121	3.817
	19	27	10.698	10.241	2.943	10.534	9.939	3.164	9.460	8.710	3.578	8.888	6.430	3.819
	22	27	10.725	10.267	2.951	10.558	9.960	3.171	9.477	8.734	3.584	8.902	6.440	3.822
	16	29	10.730	10.087	2.950	10.566	9.954	3.171	9.484	8.744	3.582	8.908	6.447	3.825
	19	29	10.737	10.100	2.950	10.575	9.955	3.174	9.496	8.979	3.560	8.922	6.320	3.800
	22	29	10.796	10.150	2.958	10.627	10.002	3.184	9.537	9.017	3.574	8.958	6.345	3.814

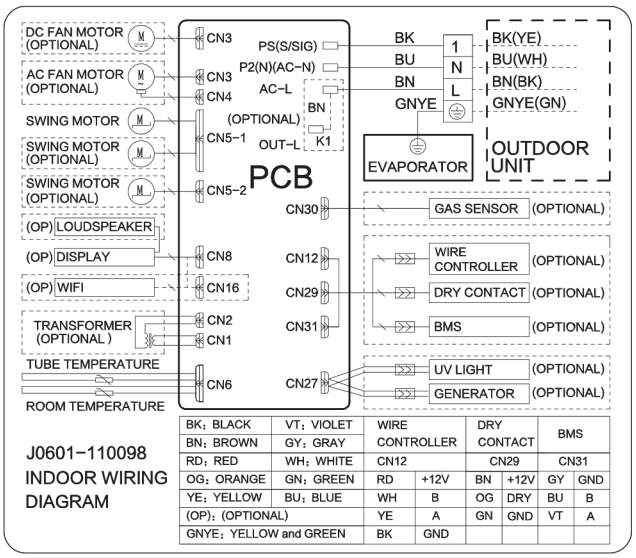
Wiring Diagrams



UINW12AICTG00
UINW12AIHTG00
UINW18AICTG00
UINW18AIHTG00



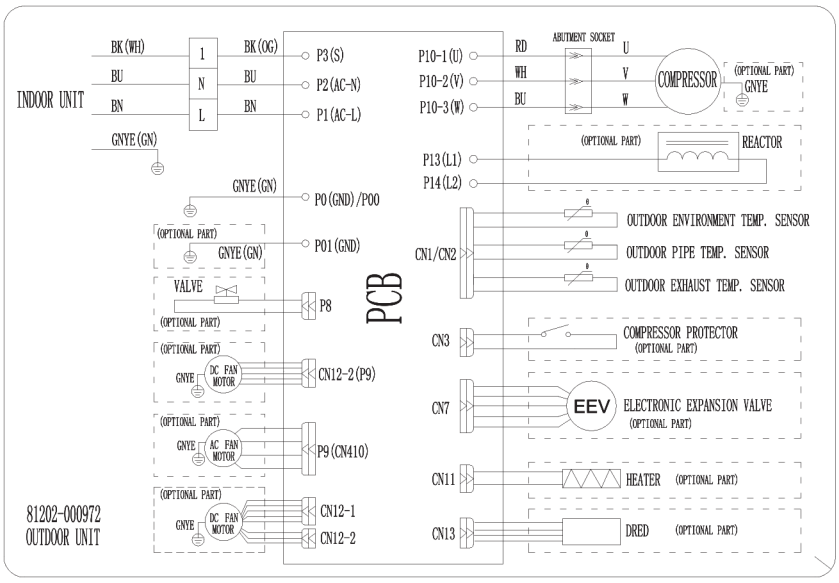
UINW24AICTG00



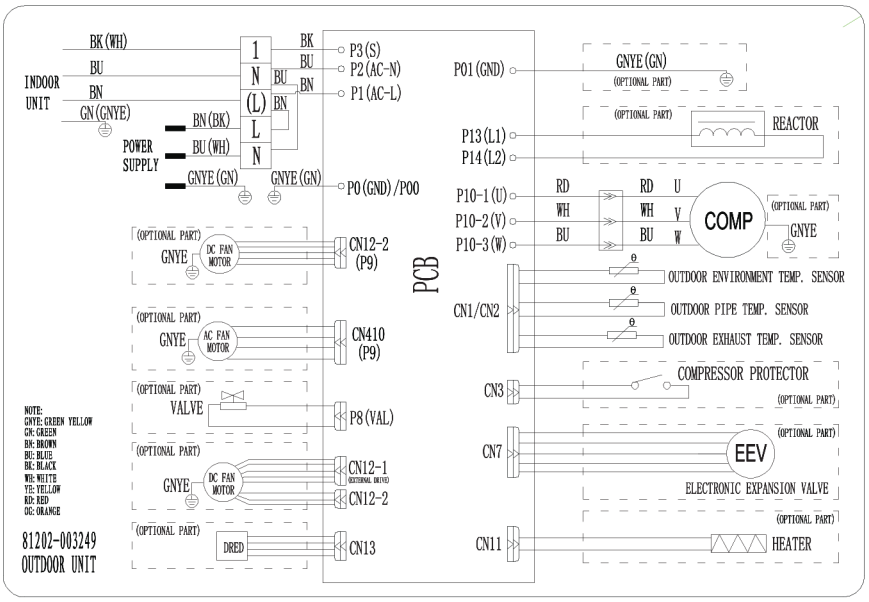
BK：BLACK	VT：VIOLET	WIRE CONTROLLER		DRY CONTACT		BMS	
BN：BROWN	GY：GRAY	CN12		CN29		CN31	
RD：RED	WH：WHITE	CN12		CN29		CN31	
OG：ORANGE	GN：GREEN	RD	+12V	BN	+12V	GY	GND
YE：YELLOW	BU：BLUE	WH	B	OG	DRY	BU	B
(OP)：(OPTIONAL)		YE	A	GN	GND	VT	A
GNYE：YELLOW and GREEN		BK	GND				

UINW24AIHTG00
UINW30AICTG00
UINW30AIHTG00
UINW36AICTG00
UINW36AIHTG00

Wiring Diagrams



UONW12AICTG00 **UONW18AICTG00**
UONW12AIHTG00 **UONW18AIHTG00**



UONW24AICTG00 **UONW30AIHTG00**
UONW24AIHTG00 **UONW36AICTG00**
UONW30AICTG00 **UONW36AIHTG00**

@RUUDmea

www.RUUD-mea.com

RUUD Middle East & Africa

UAE: RMEA Manufacturing LLC | Onyx 2, Level P3 301-304, The Greens Dubai, UAEA | Tel: +971 4 230 5100
KSA: Ruud Innovation and Learning Centre | Riyadh Building 14, Business District, Airport Road, Riyadh, KSA | Tel: +966 11 494 5222