ON&SYS
Cooling Your Life

XTREME PRIME



ON&SYS
Cooling Your Life

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www.onandsyshome.com

PRIME XTREME

ON&SYS





Highest quality compressor

Guaranteed energy efficiency and reiliability

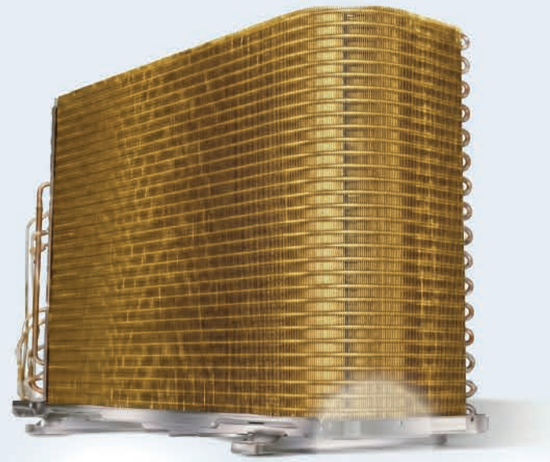
The inverter rotary compressor used in ON&SYS air conditioners ensures reliable and efficient operation, along with the highest energy efficiency parameters. It also provides low operational costs and a reduced level of generated noise. Durable, high-quality materials used in the compressor's construction contribute to its long-lasting and faultless performance.

- Energy savings, increase in efficiency by **5%**
- High reliability, lifespan of up to **20 years**
- Noise reduction by **3db**

Gold-plated heat exchanger fins

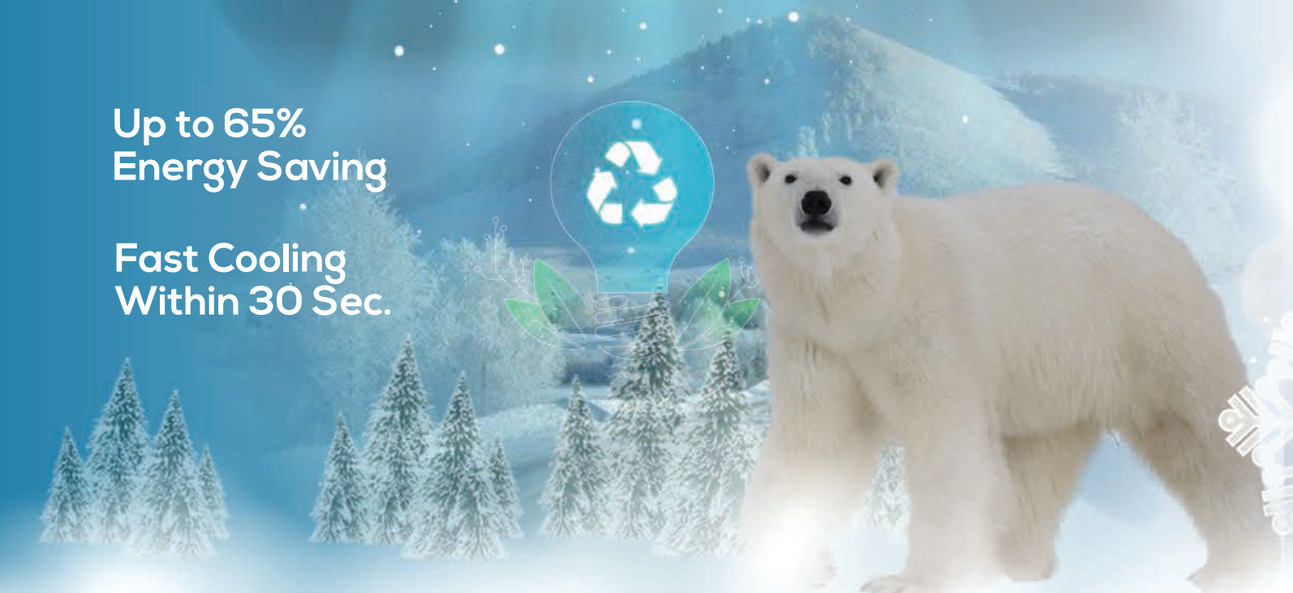
Protection against corrosion for an even longer lifespan

The heat exchanger surfaces in both the indoor and outdoor units have been coated with a unique gold layer, effectively preventing bacterial growth and enhancing the heating efficiency of the devices. It is also more resistant to oxidation and corrosion than the standard blue coating, thereby further extending the lifespan of the equipment



Up to 65% Energy Saving

Fast Cooling Within 30 Sec.





Intelligent defrosting

Efficient operation in heating mode

The air conditioner initiates the defrost mode only when necessary and for the duration required to defrost the heat exchanger, enabling almost uninterrupted operation in heating mode. The intelligent defrost system improves energy efficiency by 5% and increases heating efficiency by up to 20% in low outdoor temperatures.

N&SYS



PRIME Full DC INVERTER

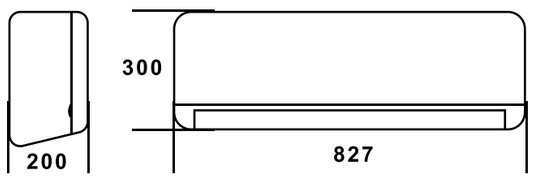




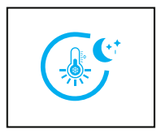
Premium Gloss Panel

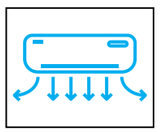
Crafted with a sleek, high-gloss acrylic finish, this panel design offers a seamless, reflective look that makes the machine feel inherently high-end and contemporary. Our rigorous quality control process selected a material blend that guarantees a lasting, deep gloss finish and maintains an outstandingly smooth surface for easy, effective cleaning.

Size:mm(12k)



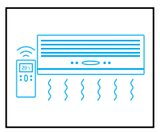



Digital Temperature Display


4 Way Air Flow


100% Copper Tubing


Fireproof Control Box


Advanced Remote Sensor with I Feel Technology



FOCUS ON COMPREHENSIVE CLEANING

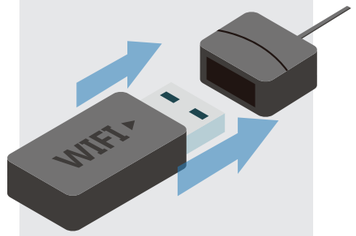
Introducing the 5th generation of self-cleaning technology: a complete upgrade! Our system uses a thorough six-step process to deep-clean both the indoor and outdoor units, achieving a 99.9% bacteria elimination rate.



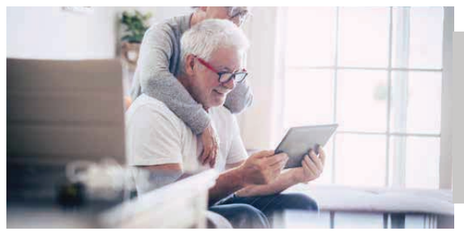
WIFI 2.0 (OPTIONAL)

Easily installed wifi module, with new upgraded mobile APP control system

Wifi 2.0



Turn on the air conditioner on the way home



Turn on the air conditioner of the elderly at home



Forget to turn off the conditioner when you go out

5VA CONTROLLER BOX

The highest level of fire-proof materials are adopted to protect the internal electronic control components, and prevent fire due to internal and external factors upon an accident



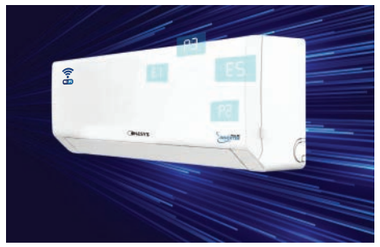
LEAKAGE PROTECTION

When leakage occures, the control system will immediately shut down so as to protect core components such as compressors from damage



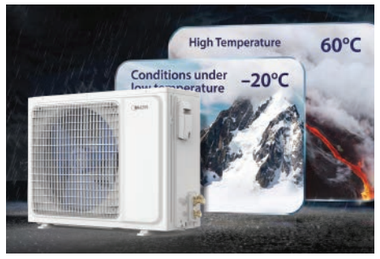
FAULT CODE INDICATION

When the machine operates with problems, display board will show the corresponding fault code to make after-sales service more convenient and fast



STABLY RUN IN -20C~60C

With the leading compression and cooling optimization technology and high reliable unit components, it ensures the reliable operation even in extreme ambient temperature



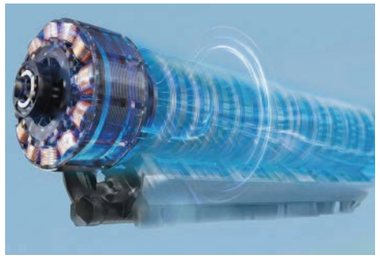
POWER OUTAGE MEMORY

Automatically reset the air conditioner as it was before power off when power back



5 VA CONTROLLER BOX

Innovate air duct technology break through angle limitation of air outlet with wider and further airflow, the coolness reaches every corner of the space



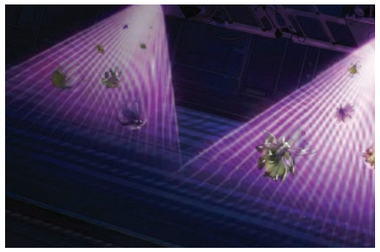
CLEANING REMINDER

When the filters need to be cleaned, The air conditioner will automitically remin the user



UVC CLEANING

New generation of super cleaning technology UVC with 99.9% bactieria cleaning rate



LONG DISTANCE AIR SUPPLYING

Coolness reaches every corner of the room as far as 11 meters, being more confortable



NEGATIVE ION

Clean your air and let you embrace the nature





	MODEL NUMBER	ON-AT3-IN12WS	ON-AT3-IN18WS	ON-AT3-IN24WS	ON-AT3-IN30WS	ON-AT3-IN36WS
General Data	Rated Capacity (Btu/h)	12000/11800	19100/18000	24000/22000	30000/28000	36000/32400
	Rated Power Consumption (W)	970/1300	1540/1200	1930/2270	2420/3100	2880/3630
	Rated Running Current (A)	4.5/5.2	7.0/8.4	9.0/10.0	11.0/14.0	13.0/18.0
	SEER Cooling (Btu/h)/W	12.35/9.10	12.45/9.00	12.435/9.710	12.40/9.05	12.50/8.95
	Power supply source (V/Ph/Hz)	220-240V~/50Hz - 60Hz	220-240V~/50Hz - 60Hz	220-240V~/50Hz - 60Hz	220-240V~/50Hz - 60Hz	220-240V~/50Hz - 60Hz
Indoor Unit	Air Flow Volume (m3/h)	650	1250	1300	1700	2000
	Noise Level dB(A)	42	49	47	51	53
	Evaporator row	2	2	2	2	2
	Fan Motor Type	DC Motor	DC Motor	DC Motor	DC Motor	DC Motor
	Evaporator pipe size	5*0.2	7*0.23	7*0.23	7*0.24	7*0.24
Outdoor Unit	Refrigerant (Type / kg)	R32 / 0.5kg	R32 / 0.8kg	R32 / 0.92kg	R32 / 1.8kg	R32 / 2.3kg
	Compressor type	Inverter	Inverter	Inverter	Inverter	Inverter
	Compressor Make	GMCC	GMCC	HIGHLY	GMCC	GMCC
	Condenser pipe size	5*0.2	5*0.2	5*0.2	7*0.24	7*0.24
	Condenser row	2	2	2	3	3
	Fan Motor Type	DC Motor	DC Motor	DC Motor	DC Motor	DC Motor
Dimensions & Weights	Indoor					
	Dimensions WxHxD (mm)	827x299x200	1140x334x229	1140x334x229	1240x357x258	1460x375x270
	Net Weight (Kg)	8.5	13	13	16	20
	Outdoor					
	Dimensions WxHxD (mm)	709x280x536	830x655x315	900x700x350	900x700x350	970x805x395
	Net Weight (Kg)	23	30	38.5	44	58

Key Features

GOLD FIN

R32 GAS

7 SEVEN STAR ENERGY EFFICIENCY RATE

Wi Fi

2 YEARS COMPREHENSIVE WARRANTY

10 YEARS WARRANTY FOR COMPRESSOR

N&SYS



PRIME

ON-OFF

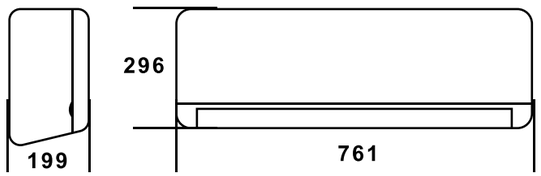






THE PCB IS EASY TO DISASSEMBLE AND ASSEMBLE

Size:mm(12k)



Gloss Finish

Crafted with a sleek, high-gloss acrylic finish, this panel design offers a seamless, reflective look that makes the machine feel inherently high-end and contemporary. Our rigorous quality control process selected a material blend that guarantees a lasting, deep gloss finish and maintains an outstandingly smooth surface for easy, effective cleaning.



PTIMIZED MOUNTING PLATE WITH GRADIENTER



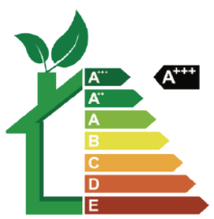
Automatic Washing



UV Sterilization



1 W Stand by



HIGH EFFICIENCY

The higher the energy efficiency rating, the lower the annual electricity consumption and the more energy efficient it is

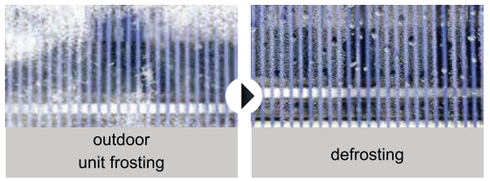


EUROVENT ORGANIZATION CERTIFICATION

The Eurovent organization certification is a threshold for government tenders. It can help you meet the bidding requirements and stand out among competitors.







The ON&SYS 5G automatic washing technology is a professional-grade cleaning system designed to maintain air conditioner hygiene and efficiency without manual intervention.

The system uses a six-step thermal cycle

- Condensation
- Frosting
- High-Temp Sterilization
- Flushing
- Outdoor Cleaning
- Drying

to achieve a 99.9% bacteria removal rate. It distinguishes itself by cleaning both the indoor and outdoor units, ensuring the air is pathogen-free and the machine operates at peak energy efficiency.

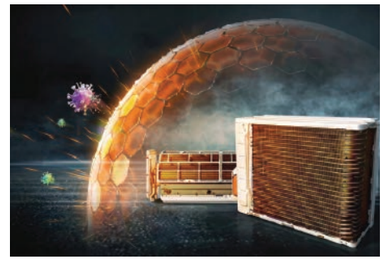
STABLE HIGH PERFORMANCE IN EXTREME ENVIRONMENT

Wide range of working environment temperature, all-weather response.
Startup at -25° C low temperature. Stable operation at 60°C high temperature.



GOLDEN FIN (OPTIONAL)

Golden fin is more resistant to oxidation and corrosion than ordinary blue fins of the most condensers. It also prevents bacteria from breeding and is able enhance heat efficiency



AIR CONDITIONING ECO MODE (OPTIONAL)

In cooling mode, the AC frequency is adjusted according to the different between room temperature and the set temperatureto achive energy-saving



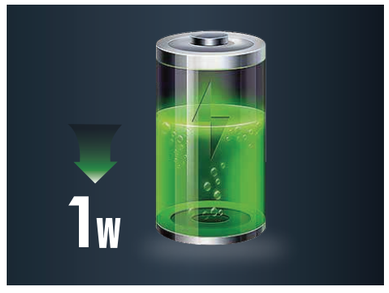
EXTERIOR SHEET METAL ANTI-CORROSION

Wagner spray coating equipment adopted for the outdoor unit, the hot-dip galvanized steel plate is sprayed with high temperature pure polyester powder material to prevent corrosion and rust.



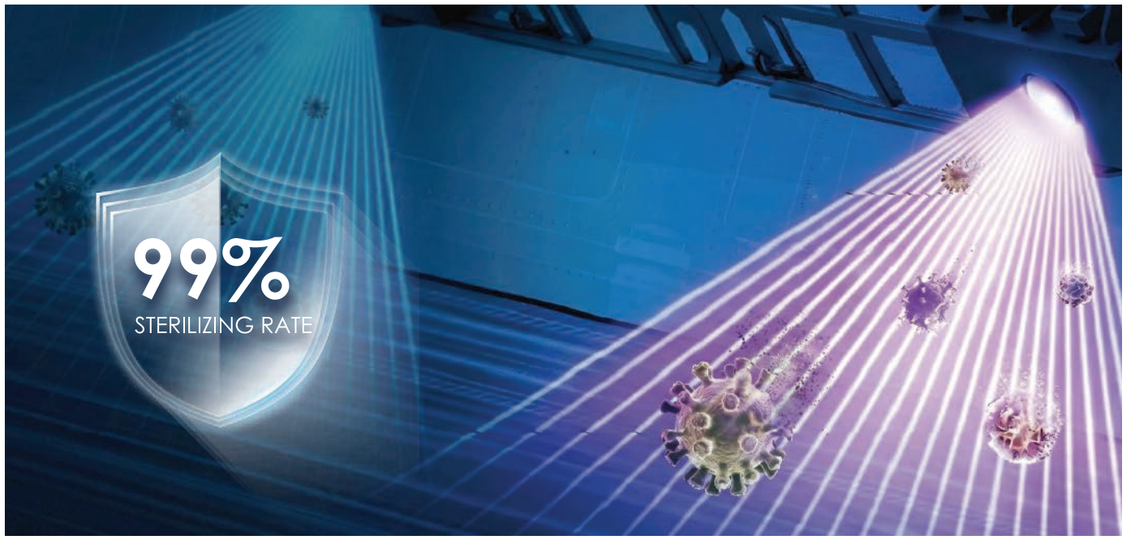
1 W STAND BY

With newly designed PCB, the 1W standby mode enables ON&SYS products to cut energy consumption from 4-5w to 1w.



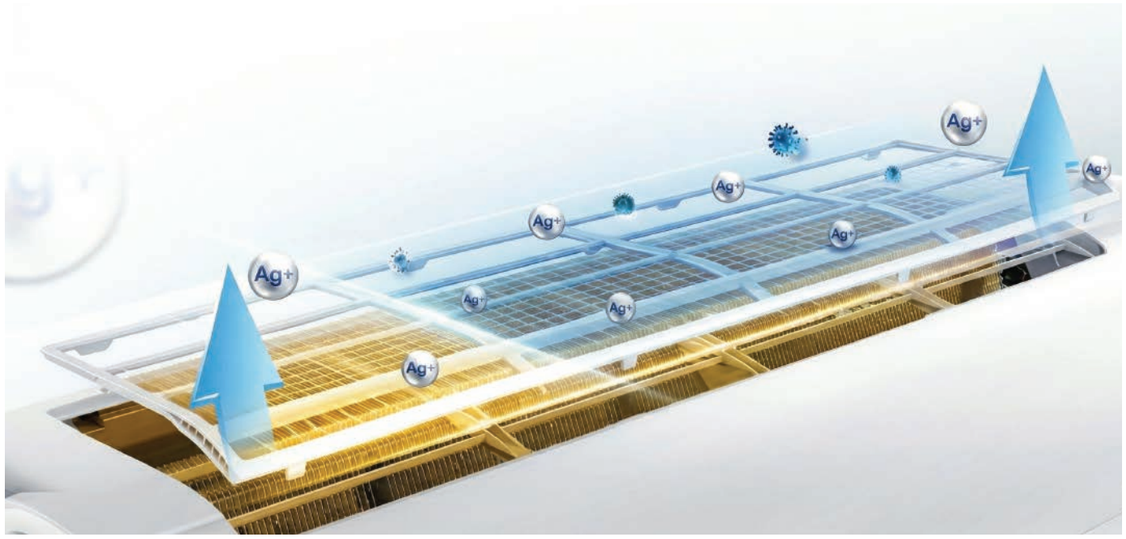
PRIME ON-OFF

ON&SYS



UV STERILIZATION (OPTIONAL)

The sterilizing rate is up to 99%



TOP-ACCESS DETACHABLE FILTER

The filter can be detached in 1s and easy to clean



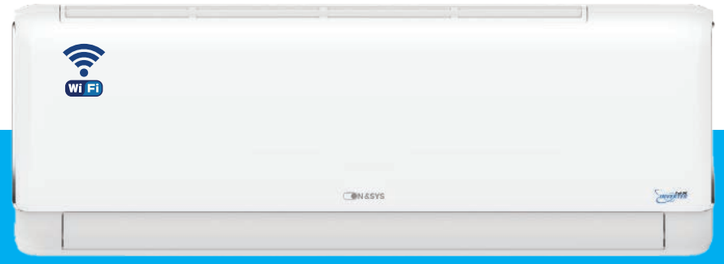
	MODEL NUMBER	ON-AT3-12WS	ON-AT3-18WS	ON-AT3-24WS	ON-AT3-30WS	ON-AT3-36WS
General Data	Rated Capacity (Btu/h)	12000/10236	17500/15300	22900/19900	28320/24700	32000/29680
	Rated Power Consumption (W)	1010/1210	1460/1760	1790	2400	2780
	Rated Running Current (A)	4.5/5.3	6.8/8.1	8.26/10.0	10.5/13.5	12
	SEER Cooling (Btu/h)/W	8.46	11.986/8.693	12.053/8.652	11.8/8.576	11.511/8.291
	Power supply source (V/Ph/Hz)	220-240V-/50Hz	220-240V-/50Hz	220-240V-/50Hz	220-240V/50Hz	220-240V/50Hz
Indoor Unit	Air Flow Volume (m3/h)	600	950	1300	1600	2000
	Noise Level dB(A)	41	47	50	52	55
	Evaporator row	2	2	2	2	2
	Fan Motor Type	DC Motor	DC Motor	DC Motor	DC Motor	DC Motor
	Evaporator pipe size	7*0.24	7*0.24	7*0.24	7*0.24	7*0.24
Outdoor Unit	Refrigerant (Type / kg)	R410A / 0.83kg	R410A / 1.03kg	R410A / 1.15kg	R410A / 2.25kg	R410A / 2.57kg
	Compressor type	Tropical Rotary	Tropical Rotary	Tropical Rotary	Tropical Rotary	Tropical Rotary
	Compressor Make	HIGHLY	GMCC	GMCC	HIGHLY	GREE
	Condenser pipe size	5*0.2	5*0.2	5*0.2	7*0.24	7*0.24
	Condenser row	2	2	2	3	3
	Fan Motor Type	AC Motor	AC Motor	AC Motor	AC Motor	AC Motor
Dimensions & Weights	Indoor					
	Dimensions WxHxD (mm)	837x296x205	952x310x227	1082x330x233	1250x360x253	1460*375*270
	Net Weight (Kg)	9.5	12.5	13	16	20
	Outdoor					
	Dimensions WxHxD (mm)	800x545x315	825x655x310	900x700x350	970*805*395	970*805*395
	Net Weight (Kg)	31	42.5	47.5	61.5	65

Optional Standard

- Hydrophilic Aluminium Fin
- Self-Cleaning
- Sleep Mode
- Anti-Fungus Function
- Anti-Cold-Air (Heat Pump Only)
- Self-diagnosis Function
- Powerful Dehumidification
- Super EMC performance
- Anti-Rust Cabinet
- Internal thread Copper Piping
- Timer
- iFeel
- iFavor
- Golden Fin
- Bio Filter
- Silver Ion Filter
- Ionizer
- Auto-Restart

PRIME Full DC INVERTER

N&SYS



ENERGY SAVING 55%

GOLD FIN

7 SEVEN STAR ENERGY EFFICIENCY RATE

R32 GAS

Wi Fi

AI FEATURED

2 YEARS COMPREHENSIVE WARRANTY

10 YEARS WARRANTY FOR COMPRESSOR

PRIME

Copeland piston compressor



GOLD FIN

7 SEVEN STAR ENERGY EFFICIENCY RATE

R410A R410 A GAS

AI FEATURED

2 YEARS COMPREHENSIVE WARRANTY

7 YEARS WARRANTY FOR COMPRESSOR

	MODEL NUMBER	ON-PQIN-12S	ON-PQIN-18S	ON-PQIN-24S	ON-PQIN-30S	ON-PQIN-36S
General Data	Rated Capacity (Btu/h)	12300/11600	19100/18000	24000/22000	30000/28000	36000/32400
	Rated Power Consumption (W)	970/1300	1540/1200	1930/2270	2420/3100	2880/3630
	Rated Running Current (A)	4.5/5.2	7.0/8.4	9.0/10.0	11.0/14.0	13.0/18.0
	SEER Cooling (Btu/h)/W	12.35/8.92	12.45/9.00	12.435/9.710	12.40/9.05	12.50/8.95
	Power supply source (V/Ph/Hz)	220-240V /50Hz - 60Hz	220-240V /50Hz - 60Hz	220-240V /50Hz - 60Hz	220-240V /50Hz - 60Hz	220-240V /50Hz - 60Hz
Indoor Unit	Air Flow Volume (m3/h)	650	950	1250	1700	2000
	Noise Level dB(A)	42	49	49	51	53
	Evaporator row	2	2	2	2	2
	Fan Motor Type	DC Motor	DC Motor	DC Motor	DC Motor	DC Motor
	Evaporator pipe size	5*0.2	7*0.23	7*0.23	7*0.24	7*0.24
Outdoor Unit	Refrigerant (Type / kg)	R32 / 0.5kg	R32 / 0.8kg	R32 / 0.92kg	R32 / 1.8kg	R32 / 2.3kg
	Compressor type	Inverter	Inverter	Inverter	Inverter	Inverter
	Compressor Make	GMCC	GMCC	GMCC	GMCC	GMCC
	Condenser pipe size	5*0.2	5*0.2	7*0.24	7*0.24	7*0.24
	Condenser row	2	2	2	3	3
	Fan Motor Type	DC Motor	DC Motor	DC Motor	DC Motor	DC Motor
Dimensions & Weights	Indoor					
	Dimensions WxHxD (mm)	816x295x200	960x310x222	1089x328x227	1240x357x258	1460x375x270
	Net Weight (Kg)	8.5	10.5	12.5	16	20
	Outdoor					
	Dimensions WxHxD (mm)	709x536x280	785x555x300	830x655x315	900x700x350	970x805x395
	Net Weight (Kg)	23	26	30	44	58

	MODEL NUMBER	ON-AT3-PT18WS	ON-AT3-PT24WS	ON-AT3-PT30WS	ON-AT3-PT36WS
General Data	Rated Capacity (Btu/h)	20000/16800	24900/21800	32000/27400	33000/28300
	Rated Power Consumption (W)	1980	2500	2700	2850
	Rated Running Current (A)	7.7/8.8	9.4/11	12.5/14	14/15.5
	SEER Cooling (Btu/h)/W	11.628/8.400	11.745/9.008	11.852/9.05	11.800/8.431
	Power supply source (V/Ph/Hz)	220-240V-/50Hz	220-240V-/50Hz	220-240V/50Hz	220-240V/50Hz
Indoor Unit	Air Flow Volume (m3/h)	1250	1650	2000	2000
	Noise Level dB(A)	51	51	53	54
	Evaporator row	2	2	2	2
	Fan Motor Type	DC Motor	DC Motor	DC Motor	DC Motor
	Evaporator pipe size	7*0.24	7*0.24	7*0.24	7*0.24
Outdoor Unit	Refrigerant (Type / kg)	R410 / 1.92kg	R410 / 2.0kg	R410 / 2.28kg	R410 / 2.28kg
	Compressor type	Piston	Piston	Piston	Piston
	Compressor Make	COPLAND	COPLAND	COPLAND	COPLAND
	Condenser pipe size	7*0.24	7*0.24	7*0.24	7*0.24
	Condenser row	2	2	3	3
	Fan Motor Type	AC Motor	AC Motor	AC Motor	AC Motor
Dimensions & Weights	Indoor				
	Dimensions WxHxD (mm)	1089x328x227	1250x360x253	1460x375x270	1460x375x270
	Net Weight (Kg)	12.5	16	20	20
	Outdoor				
	Dimensions WxHxD (mm)	970*805*395	970*805*395	970*805*395	970*805*395
	Net Weight (Kg)	70	70	70	72.5

PRIME Full DC INVERTER

ADVANCED COOLING THAT ADAPTS TO YOU

Corner-to-Corner Cooling



Self-diagnosis Function

ABS material

Sleep Mode

Timer

- Drying and mildew prevention
- Cold Air Proofing
- Trouble shooting



Outdoor



Control

ECO MODE

New frequency conversion technology, high efficiency operation of inner components



4D AIR FLOW

Air blades can swing vertically and hozontally, which helps to improve air distribution and flow



INTELLIGENT WIFI FUNCTION

Develop the leading technology, intelligent connection with mobile phone and achive remote control of the air conditioning



STRONG AIR OUTLET

Stronger air flow with stable operation in high temperature and long distance outlet



FLOOR STAND

				ON-AT3-IN48FS	ON-AT3-IN60FS
Rated Capacity	Cooling			49000(T1)/46000(T3)	60000(T1) / 54000(T3)
Max. Input Power				3950	4800
Max. Input Current				17.5	21
EER Cooling				12.5/9.5	12.4/9.1
Power supply source				220-240V~/50Hz	220-240V~/50Hz
Refrigerant				R410A	R410A
Air Flow Volume				2400	2800
Noise level				48/58	48/58
Indoor unit weight（Net ）				45	45
Outdoor unit weight（Net ）				83	90
Evaporator	Rows			2	2
	tube pitch			20.5	20.5
	row pich			12.7	12.7
	Tube	Material		Copper	Copper
		Length		527	527
		Diameter		7	7
		Thickness		0.24	0.24
		Quantity		69	69
	Fin	Thickness		0.094	0.094
		Fin spacing		1.4	1.4
Dimension				655*1945*495	655*1945*495
Compressor Parameter	Type			Inverter	Inverter
	Brand			HIGHLY	LANDA
	Air circulation			3200	3200
Condenser	Rows			2	3
	tube pitch			22	22
	row pich (D)			19.05	19.05
	Tube	Material		Copper	Copper
		Length		918	1220
		Diameter		7	7
		Thickness		0.23	0.23
		Quantity		58	96
	Fin	Thickness		0.095	0.095
		Fin spacing		1.4	1.4
Dimension (WxHxD)				940x1320x340	940x1366x401



ENERGY SAVING

SMART LIFE -SMART HOME

GOLD FIN

CONTROL

R410 A GAS

SEVEN STAR ENERGY EFFICIENCY RATE

FEATURED

7 YEARS WARRANTY FOR COMPRESSOR

2 YEARS COMPREHENSIVE WARRANTY

FLOOR STAND

				ON-AT3-36FS
Rated Capacity			Btu/h	32073(T1)/29125(T3)
Rated Power Consumption			W	2730(T1)/3320(T3)
Rated Running Current			A	12.4
Max. Input Power			W	4100
Max. Input Current			A	20
EER Cooling			(Btu/h)/W	11.7(T1)/8.77(T3)
Power supply source			V/Ph/Hz	220-240V~/50Hz
Refrigerant			/	R410A
Air Flow Volume			m3/h	2100
Noise level			dB（A)	58
Noise level			dB（A)	58
Indoor unit weight （Net ）			Kg	57
Outdoor unit weight（Net ）			Kg	67
Evaporator	Rows		Row	3
	tube pitch		mm	25.4
	row pich		mm	22
	Tube	Material	/	Copper
		Length	mm	450
		Diameter	mm	9.52
		Thickness	mm	0.27
		Quantity	PCS	50
	Fin	Thickness	mm	0.095
		Fin spacing	mm	1.4
	Fan	Type	/	Cross flow fan
		Material	/	AS
		Diameter	mm	Φ372
		Length	mm	180.3
Dimension			mm	580×1925×400
Compressor Model			/	QXAS-F325N050A
Compressor Parameter	Type		/	Rotary
	Brand		/	LINGDA
Fan system	Fan	Type	/	Axial flow fan
		Blade Material	/	AS
		Diameter	mm	550
	Fan Motor	Model	/	D-90-8 310V
		Motor speed (H/M/L)	rpm	1000/900
		Rated Input Power	W	133
		Rated Output Power	W	90
Condenser	Air circulation		m3/h	3200
	Rows		Row	3
	Tube pitch		mm	20.5
	Row pich (D)		mm	12.7
	Tube	Material	/	Copper
		Length	mm	977
		Diameter	mm	7
		Thickness	/	0.23
		Quantity	PCS	54
	Fin	Thickness	mm	0.095
		Fin spaceing	mm	1.4
Dimension	Net Dimension (Width x Depth x Height)		mm	970×805×395
	Packing Dimension (Width x Depth x Height)		mm	1105×885×495



XTREME

ON&SYS

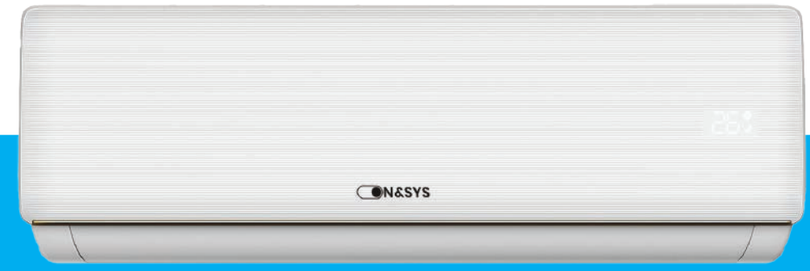
FLOOR STAND

ENERGY SAVING · SMART LIFE -SMART HOME · GOLD FIN · CONTROL · R410 A GAS

SEVEN STAR ENERGY EFFICIENCY RATE · FEATURED · 7 YEARS WARRANTY FOR COMPRESSOR · 2 YEARS COMPREHENSIVE WARRANTY



Model Number			ONXT-IN36FS	ONXT-IN60FS
Type			Heating pump	Heating pump
Power supply		Ph-V-Hz	1ph 220-240V/50HZ	1ph 220-240V/50HZ
Voltage Range		V	165-265	198-264
Cooling (T1)	Capacity	Btu/h	33000 (19000-36000)	50000 (9895-54592)
	Capacity	W	9672 (5569-10551)	14654 (2900-16000)
	Rated power Input	W	2640 (1520-2880)	4237 (900-5700)
	Rated current	A	11.9 (6.8-13.1)	18.8 (4.5-30.0)
	EER	Btu/h/W	12.500	11.801
Cooling (T3)	Capacity	Btu/h	31000 (19000-34500)	42000 (21837-45380)
	Capacity	W	9086 (5569-10111)	12309 (6400-13300)
	Rated power Input	W	3690 (2262-4107)	5060 (2100-5700)
	Rated current	A	16.5 (10.1-18.4)	22.5 (10.0-30.0)
	EER	Btu/h/W	8.401	8.300
Cooling (T4)	Capacity	Btu/h	28000 (19000-30000)	38000
	Capacity	W	8206 (5569-8792)	11137
	Rated power Input	W	3457 (2346-3704)	4720
	Rated current	A	15.5(10.5-16.6)	20.70
	EER	Btu/h/W	8.100	8.051
Cooling	Max power Input	W	5340	5700
	Max current	A	24.0	30.0
Heating (H1)	Capacity	W	9965 (7034-11580)	16500 (6100-16800)
	Rated power Input	W	2709 (1912-3148)	4717 (1800-6200)
	Rated current	A	12.2(8.45-13.7)	20.9 (9.0-30.0)
	COP	W/W	3.68	3.50
Heating	Max power Input	W	4092	6200
	Max current	A	18.0	30.0
Moisture removal		Liters/h	2.8	4.8
Indoor noise level		dB(A)	42	47
Outdoor noise level		dB(A)	63	66
Climate type			T1/T3/T4	T1/T3/T4
Power supply			1ph 220-240V/50HZ	1ph 220-240V/50HZ
Refrigerant			R410A/ 2.35 Kg	R410A/4.25Kg
	Model		ATF250D22	GTH420
	Type		Rotary Inverter	Rotary
	Brand		GMCC	Highly
Defrosting system			Microcomputer controlled reverse system	Microcomputer controlled reverse system
Fan System				
Indoor air volume(Cooling/Heating)		m3/h	1600/1600	2100/2300
Indoor fan type			centrifugal	Centrifugal
Indoor fan motor		model	22001-000204	22001-000204 DC
		brand	Broad-ocean	Broad-ocean
Outdoor fan type			Propeller	Propeller
		model	22001-000110 (DC)	25001-000392 DC
Outdoor fan motor		brand	Broad-ocean	Broad-ocean
Outdoor fan speed		rpm	850	850
Suitable area		m2	40-60	75-120
Net dimensions	Indoor	mm	600x390x1918	600x390x1918
	Outdoor	mm	967x421x803	1021x409x1339
Net weight	Indoor	kg	51	59
	Outdoor	kg	55	91

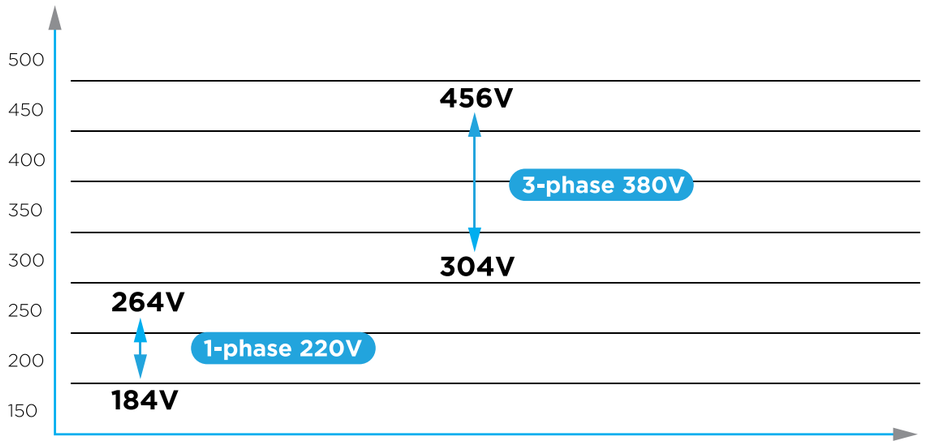


ENERGY SAVING · SMART LIFE -SMART HOME · GOLD FIN · CONTROL · R410 A GAS · SEVEN STAR ENERGY EFFICIENCY RATE · FEATURED · 7 YEARS WARRANTY FOR COMPRESSOR · 2 YEARS COMPREHENSIVE WARRANTY

	MODEL NUMBER	ONXT-RT12WS	ONXT-RT18WS	ONXT-RT24WS	ONXT-RT30WS	ONXT-RT36WS
General Data	Rated Capacity (Btu/h)	12000/11800	19100/18000	24000/22000	30000/28000	36000/32400
	Rated Power Consumption (W)	970/1300	1540/1200	1930/2270	2420/3100	2880/3630
	Rated Running Current (A)	4.5/5.2	7.0/8.4	9.0/10.0	11.0/14.0	13.0/18.0
	SEER Cooling (Btu/h)/W	12.35/9.10	12.45/9.00	12.435/9.710	12.40/9.05	12.50/8.95
	Power supply source (V/Ph/Hz)	220-240V-/50Hz - 60Hz	220-240V-/50Hz - 60Hz	220-240V-/50Hz - 60Hz	220-240V-/50Hz - 60Hz	220-240V-/50Hz - 60Hz
Indoor Unit	Air Flow Volume (m3/h)	650	1250	1300	1700	2000
	Noise Level dB(A)	42	49	47	51	53
	Evaporator row	2	2	2	2	2
	Fan Motor Type	DC Motor	DC Motor	DC Motor	DC Motor	DC Motor
	Evaporator pipe size	5*0.2	7*0.23	7*0.23	7*0.24	7*0.24
Outdoor Unit	Refrigerant (Type / kg)	R32 / 0.5kg	R32 / 0.8kg	R32 / 0.92kg	R32 / 1.8kg	R32 / 2.3kg
	Compressor type	Inverter	Inverter	Inverter	Inverter	Inverter
	Compressor Make	GMCC	GMCC	HIGHLY	GMCC	GMCC
	Condenser pipe size	5*0.2	5*0.2	5*0.2	7*0.24	7*0.24
	Condenser row	2	2	2	3	3
	Fan Motor Type	DC Motor	DC Motor	DC Motor	DC Motor	DC Motor
Dimensions & Weights	Indoor					
	Dimensions WxHxD (mm)	827x299x200	1140x334x229	1140x334x229	1240x357x258	1460x375x270
	Net Weight (Kg)	8.5	13	13	16	20
	Outdoor					
	Dimensions WxHxD (mm)	709x280x536	830x655x315	900x700x350	900x700x350	970x805x395
	Net Weight (Kg)	23	30	38.5	44	58

PRODUCT KEY FEATURES

1. Compressor, motor, ekectric control components can withstand wider voltage operation
2. The unit has the function of frequency reduction protect to avoid overheating and overcurrent





High Reliability

ON&SYS air conditioners use energy- efficient compressor, pressure switch and other components, which to havea more stable system and reducing maintenance rates



DC Inverter Compressor

Voltage Protection

When the voltage of the unit is over the rated maximum voltage or below a certain value, the voltage automatically shut off to protect the unit and the power supply.

Overcurrent Protection

When the current is over the adjustment value, the protection device will be activated and the fuse will fuse to cut off the circuit in time, so that the equipment can avoid damage caused by over-current.



High/Low pressure Switch

Overheating Protection

When the current is over the adjustment value, the temperature rises, and the motor is cut off during over current operation to avoid burning of the motor due to overload.

Temperature Protection

When the outdoor temperature sensor checks that, the temperature is over the normal operating temperature, the unit will stop running to avoid burning of the electric control IPM due to high temperature.

Lack-phase Protection

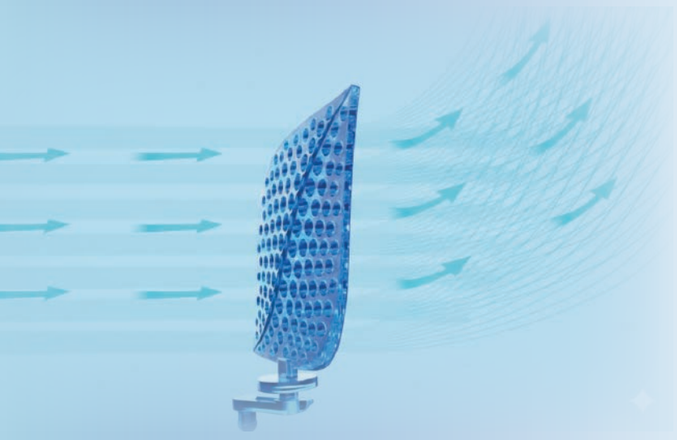
When the phase in the three-phase power supply of the unit is broken, the unit will be powered off and alarmed in an emergency, avoiding the original three phase unit running under two-phase power supply and causing burnout



Hydrophilic Aluminum Fin

The ON&SYS products use blue hydrophilic aluminum fin. Compared to traditional non-hydrophilic heat exchanger, hydrophilic can be increased by 68% and corrosion resistance by 3 times. The hydrophilic coating improves heat transfer efficiency while protecting the unit from unnecessary wear and corrosion

Better Comfort



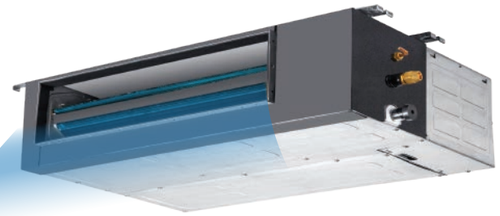


Soft wind panel (optional)

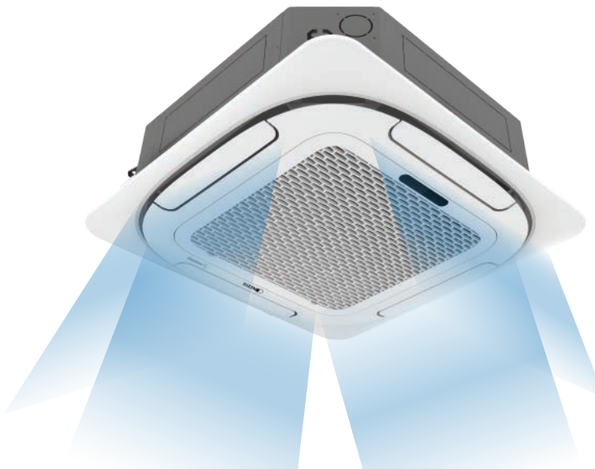
360 of outler wind, 2565 micro-hole soft wind blades to break up the airflow, making the wind soft and comfortable to the body

Health

Cassette / Duct reserves fresh air interface



Take in outdoor fresh air, ensure that the indoor air is fresh and circulated



FRESH AIR



30 dB

Low noise design

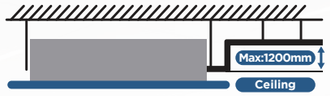
ON&SYS products through the reasonable air circuit design and 3D fan blade selection, increase the unit airflow and reduce operating noise, which can be as low as 30dB





Round Flow Cassette Type

Large range of airflow, low noise operation, WiFi operation, giving you a comfortable environment



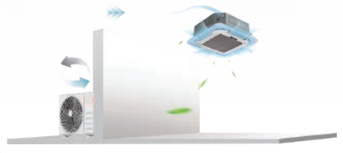
Built-in drain pump

Cassette with built in drain pump, can lift water up to 1200 mm which is convenient for installation and improve the drainage efficiency

LED digital display

Real-time operating temperature and operation faults are clearly displayed



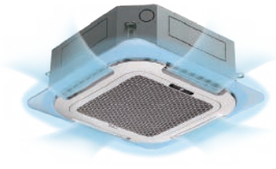


Reserved fresh air interface

Maximum intake of 15% of fresh air volume, make indoor air healthier and more comfortable

360 Surround air outlet

Annular air outlet supply without dead angle,keeps the room comfortable



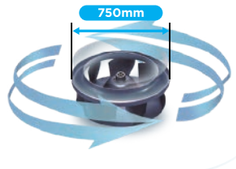


WiFi operation

Connect the device with one click to turn on

Ultra-low noise design

Adapting 750 mm fan blade and 3D air outlet design, decrease the air supply resistance, achieve ultra low noise



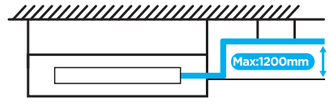


Super Slim Duct Type

Multiple air return methods, optional pumps, WiFi operation, making the project more flexible installation

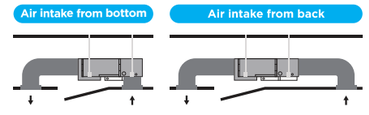
Optional water pump

Optional built-in drain pump, can lift water up to 1000 mm which is convenient to installation and improving drainage efficiency.



Flexible air intake

Standard built air return box, easy to adjust the back air return or down air return based installation requirement



Reserved freshair interface

Maximum intake of 15% of fresh air volume, make indoor air healthier and more comfortable



Dual drainage

It is more convenient and flexible in construction and installation



Ultra-thin design

Structure is compact, and the thickness of 3 HP duct unit can be as low as 210 mm



WiFi operation

Connect the device with one click to turn on



CASSETTE TYPE INDOOR UNIT



CB | RoHS | REACH

8-way air outlet panel · Built-in water pump · Ultra-low noise design · LED display · Wire/Remote control · Inverter technology

Healthy filter option · Comfort · Rapid started · Energy saving · Timer · Power-down memory

Model name	Cassette Indoor		ONXT-RT18CS	ONXT-RT24CS	ONXT-RT30CS	ONXT-RT36CS	ONXT-RT48CS	ONXT-RT60CS
Power supply		V/Hz/Ph	220-240V~/50Hz/1P					
Cooling	Capacity	Btu/h	18000	24000	30000	36000	48000	55000
	Capacity	W	5270	7030	8790	10548	14000	16100
	Input	W	1600	2100	2800	3600	4150	5500
	Rated current	A	7.20	9.20	14.00	7.00	7.60	10.00
	EER	W/W	3.29	3.35	3.14	2.93	3.37	2.93
Indoor air flow (Hi/Me/Lo)		m3/h	1250/1000/900	1600/1500/1400	1600/1500/1400	1600/1500/1400	1700/1500/1400	1900/1700/1500
Indoor noise level (Hi/Me/Lo)		dB(A)	41/39/35	50/48/46	50/48/46	50/48/46	50/48/46	52/50/48
Indoor dimension	Unit (WxHxD)	mm	840×245×840	840×245×840	840×245×840	840×245×840	840×290×840	840×290×840
	Packing (WxHxD)	mm	935×305×935	935×305×935	935×305×935	935×305×935	935×350×935	935×350×935
Indoor weight	Net	kg	22	24.5	26	26	28	28
	Gross	kg	26	29	30	30	33	33
Panel	Unit (WxHxD)	mm	950×45×950	950×45×950	950×45×950	950×45×950	950×45×950	950×45×950
	Packing (WxHxD)	mm	1055×90×1055	1055×90×1055	1055×90×1055	1055×90×1055	1055×90×1055	1055×90×1055
	Net/Gross	kg	6/9	6/9	6/9	6/9	6/9	6/9
Refrigerant	Type		R410A					
Refrigerant pipe	Liquid side	mm	6.35	9.52	9.52	9.52	9.52	9.52
	Gas side	mm	12.70	15.88	15.88	15.88	19.05	19.05
Drainage water pipe diameter		mm	OD32					
Operation temperature range		℃	-10~48					

DUCT TYPE INDOOR UNIT



CB | RoHS | REACH

Flexible installation · Dual direction of drainage · Ultra-low noise design · Ultra-thin design · Wire/Remote control · Healthy filter option

Built-in water pump · Comfort · Rapid started · Energy saving · Timer · Power-down memory

Model name	Duct Indoor		ONXT-RT18DS	ONXT-RT24DS	ONXT-RT30DS	ONXT-RT36DS	ONXT-RT48DS	ONXT-RT60DS
Power supply		V/Hz/Ph	220-240V~/50Hz/1P					
Cooling	Capacity	Btu/h	18000	24000	30000	36000	48000	55000
	Capacity	W	5270	7030	8790	10548	14000	16100
	Input	W	1700	2100	2800	3600	4350	5600
	Rated current	A	7.50	9.20	14.00	7	8.00	10.10
	EER	W/W	3.10	3.35	3.14	2.93	3.22	2.88
Indoor air flow (Hi/Me/Lo)		m3/h	900/800/700	1300/1000/800	1600/1450/1350	1600/1450/1350	1900/1750/1550	1900/1750/1550
Indoor external static pressure (Hi)		Pa	25	25	37	37	50	50
Indoor noise level (Hi/Me/Lo)		dB(A)	43/35/32	46/43/41	46/44/42	46/44/42	47/44/42	47/44/42
Indoor dimension (with filter)	Unit (WxHxD)	mm	920×210×605	920×270×605	1140×270×745	1140×270×745	1200×300×835	1200×300×835
	Packing (WxHxD)	mm	1115×280×690	1115×340×690	1345×345×830	1345×345×830	1405×375×925	1405×375×925
Indoor weight	Net	kg	22	27.5	35	35	43	43
	Gross	kg	27	32	42	42	50	50
Refrigerant	Type		R410A					
Refrigerant pipe	Liquid side	mm	6.35	9.52	9.52	9.52	9.52	9.52
	Gas side	mm	12.70	15.88	15.88	15.88	19.05	19.05
Drainage water pipe diameter		mm	OD25					
Operation temperature range		℃	-10~48					

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27° CDB, 19° CWB; Outdoor temp: 35° CDB; Equivalent ref. piping: 7.5m (horizontal)
2. Nominal heating capacities are based on the following conditions: Indoor temp: 20° CDB; Outdoor temp: 7° CDB, 6° CWB; Equivalent ref. piping: 7.5m (horizontal)
3. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.

The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.

CEILING&FLOOR TYPE INDOOR UNIT



CB | RoHS | REACH

3D air flow · Flexible installation · Dual direction of drainage · LED display · Convenient maintenance · Wire/Remote control

Ultra-thin design · Comfort · Rapid started · Energy saving · Timer · Power-down memory

Model name	Ceiling Floor Indoor		ONXT-RT18C/F	ONXT-RT24C/F	ONXT-RT30C/F	ONXT-RT36C/F	ONXT-RT48C/F	ONXT-RT60C/F
Power supply		V/Hz/Ph	220-240V~/50Hz/1P					
Cooling	Capacity	Btu/h	18000	24000	30000	36000	48000	55000
	Capacity	W	5270	7030	8790	10548	14000	16100
	Input	W	1600	2000	2800	3600	4200	5500
	Rated current	A	7.50	8.8	14.00	7.0	7.70	10.00
	EER	W/W	3.29	3.52	3.14	2.93	3.33	2.93
Indoor air flow (Hi/Me/Lo)		m3/h	1000/900/800	1200/1100/1000	1600/1300/1100	1600/1300/1100	1950/1700/1450	1950/1700/1450
Indoor noise level (Hi/Me/Lo)		dB(A)	43/41/38	51/49/47	51/49/47	51/49/47	54/51/48	54/51/48
Indoor dimension	Unit (WxHxD)	mm	1055×675×235	1055×675×235	1275×675×235	1275×675×235	1635×675×235	1635×675×235
	Packing (WxHxD)	mm	1130×748×305	1130×748×305	1350×748×305	1350×748×305	1710×748×305	1710×748×305
Indoor weight	Net	kg	23	25	29	29	38	38
	Gross	kg	28	30	35	35	44	44
Refrigerant	Type		R410A					
Refrigerant pipe	Liquid side	mm	ϕ6.35	9.52	9.52	9.52	9.52	9.52
	Gas side	mm	ϕ12.7	ϕ15.88	ϕ15.88	ϕ15.88	ϕ19.05	ϕ19.05
Drainage water pipe diameter		mm	OD25					
Operation temperature range		℃	-10~48					

UNIVERSAL OUTDOOR UNIT



CB | RoHS | REACH

Universal design · 3D fan design · Long life span · Wide voltage operation · Convenient maintenance · Multiple protection

Rapid started · Energy saving · Power-down memory · Intelligent defrosting · High reliability

Model name	Universal Outdoor Unit		ONXT-RT18UD	ONXT-RT24UD	ONXT-RT30UD	ONXT-RT36UD	ONXT-RT48UD	ONXT-RT60UD
Power supply		V/Hz/Ph	380-415V~/50Hz/3P					
Max. input consumption		W	2200	3400	3800	4500	6000	8000
Max. current		A	10.0	15.0	18.0	9.5	10.8	14.3
Starting current		A	36.0	48.0	60.0	36	62.0	69.0
Max Operating Pressure(MPa)	Discharge	MPa	4.5	4.5	4.5	4.5	4.5	4.5
	Suction	MPa	1.5	1.5	1.5	1.5	1.5	1.5
Outdoor air flow		m3/h	2100	4000	4000	4900	6300	6300
Outdoor noise level		dB(A)	48	55	56	58	60	60
Outdoor dimension	Unit (WxHxD)	mm	760×540×260	845×700×330	845×700×330	910×805×360	940×1250×340	940×1250×340
	Packing (WxHxD)	mm	863×590×361	960×735×430	960×735×430	1030×860×475	1040×1362×430	1040×1362×430
Outdoor weight	Net	kg	32	43	47	57	74	84
	Gross	kg	35	47	50	61	84	94
Refrigerant	Type		R410A					
Throttle type			Capillary	Capillary	Capillary	Capillary	Capillary	Capillary
Refrigerant pipe	Liquid side	mm	6.35	9.52	9.52	9.52	9.52	9.52
	Gas side	mm	12.70	15.88	15.88	15.88	19.05	19.05
	Max. refrigerant pipe length	m	25	30	30	30	30	30
	Max. difference in level	m	15	15	15	20	30	30
Ambient temperature range	Cooling	℃	21~48					
	Heating	℃	/					

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27° CDB, 19° CWB; Outdoor temp: 35° CDB; Equivalent ref. piping: 7.5m (horizontal)
2. Nominal heating capacities are based on the following conditions: Indoor temp: 20° CDB; Outdoor temp: 7° CDB, 6° CWB; Equivalent ref. piping: 7.5m (horizontal)
3. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.

The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.