

ARTIC

SEER A+++ FULL 5D
3D AIRFLOW
WIFI CONTROL
SMART AIR FLOW
MUTE MODE 18 dB LOWEST
LEAKAGE DETECTION
TIMER



RELIABILITY

Strong heating at -25°C
Strong cooling at 53°C
Rust proof
Wide voltage range START
UP
Intelligent defrost
Self-diagnosis
Auto restart
Base heating belt

COMFORT

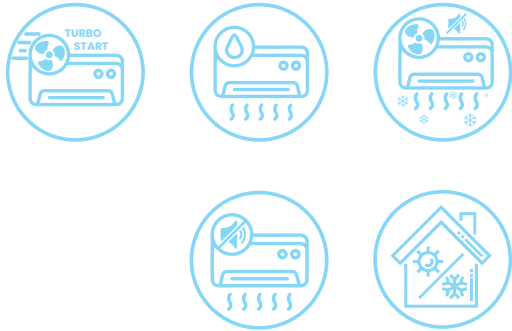
7 Fan speed
Turbo mode
Comfortable cooling
Independed dehumidification
Auto mode
Smart air flow
Rapid cooling/heating
Gentle cool wind
3D Air flow
Vector precision air supply

HEALTH

Hidden display
Self cleaning

ENERGY SAVING

AI Energy saving 2.0
Eco mode
Timer
Sleep mode



ARTIC DATA SHEET



Model		ART09IDU/ART09ODU	ART12IDU/ART12ODU	ART18IDU/ART18ODU	ART24IDU/ART24ODU
Power supply		220-240V~50Hz/1P	220-240V~50Hz/1P	220-240V~50Hz/1P	220-240V~50Hz/1P
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor
Voltage Range		165~265	165~265	165~265	165~265
	Cooling capacity	W	2610(940~3700)	3520(1000~4600)	5200(1250~6920)
	Power consumption	W	672(240~1380)	1051(290~1510)	1417(330~2350)
	Operating current	A	3.0(1.2~8.1)	4.8(1.5~9.2)	6.4(1.7~12.0)
Cooling	EER	W/W	3.88	3.34	3.66
	Pdesignc	W	2600	3500	5200
	SEER	W/W	8.5	8.5	8.5
	Energy Class		A+++	A+++	A+++
Seasonal Cooling	Annual energy consumption	kwh/a	108	145	215
	Heating capacity	W	3320(940~4000)	3860(1000~4900)	5500(1250~6990)
	Power consumption	W	860(240~1552)	963(290~1720)	1401(340~2540)
	Operating current	A	3.9(1.2~9.0)	4.0(1.5~10.0)	6.4(1.7~13.0)
Heating	COP	W/W	3.86	4	3.92
	PdesignH	W	2400	2500	4200
	SCOP	W/W	4.6	4.7	4.6
	Energy Class		A++	A++	A++
Seasonal Heating (Average)	Annual energy consumption	kwh/a	731	745	1279
	Declare capacity(-10℃)	W	2200	2300	3800
	Back up heating capacity(-10℃)	W	200	200	400
	PdesignH	W	2500	3500	5000
Seasonal Heating (Warmer)	SCOP	W/W	5.2	5.9	5.6
	Energy Class		A+++	A+++	A+++
	Annual energy consumption	kwh/a	674	831	1250
	Declare capacity(2℃)	W	2500	3500	5000
Seasonal Heating (Colder)	Back up heating capacity(2℃)	W	0	0	0
	PdesignH	W	2800	3400	5400
	Annual energy consumption	W/W	3.6	3.7	3.6
	Energy Class		A	A	A
Moisture removal	Annual energy consumption	kwh/a	1634	1930	3150
	Declare capacity(-22℃)	W	2100	2400	4200
	Back up heating capacity(-22℃)	W	700	1000	1200
	Moisture removal	Liters/h	1.2	1.5	1.8
Indoor unit	Sound power(S/I/H/M/M/L/L/Mute)	dB(A)	54/50/47/44/39/35/29	54/50/47/44/39/35/29	57/52/50/48/46/44/42
	Sound pressure(S/I/H/M/M/L/L/Mute)	dB(A)	44/41/37/34/29/25/19	44/41/37/34/29/25/19	47/42/40/38/34/32
	Air circulation (S/I/H-M/M/M-L/L/Mute)	m³/h	650/630/590/550/510/470/420	650/630/590/550/510/470/420	860/790/740/690/650/590/530
	M/M-M/L/L/Mute)	m³/h	680/650/610/570/540/500/460	680/650/610/570/540/500/460	900/810/760/700/650/590/530
Fan speed (S/I/H-M/M/M-L/L/Mute)	Cooling	rpm	1080/1020/940/880/810/750/680	1160/1090/1120/1030/950/870/800	1360/1230/1120/1030/950/870/800
	Heating	rpm	940/880/810/750/680/630/580	1030/940/880/810/750/680/630	1360/1230/1120/1030/950/870/800
	Indoor fan motor Type		DC	DC	DC
	Net weight	kg	9	9	10
Outdoor unit	Gross weight	kg	11	11	13
	Net dimensions (W x H x D)	mm	820×306×195	820×306×195	920×306×195
	Packing dimensions(W x H x D)-1	mm	890×380×265	890×380×265	990×380×265
	Packing dimensions(W x H x D)-2	mm	890×380×265	890×380×265	990×380×265
Refrigerant	Type		R32	R32	R32
	Charge	kg	0.57	0.6	0.87
	GWP		675	675	675
	CO2 equivalent		0.385	0.405	0.588
Outdoor air circulation		m³/h	2000	2300	3000
	Outdoor fan speed(S/I/H/M/L/Mute)	rpm	920/920/810/730/610	900/810/830/670/650	850/830/710/610/530
	Heating	rpm	850/850/810/750/650	910/870/830/770/650	850/850/730/610/510
	Outdoor fan motor Type		DC	DC	DC
Outdoor sound power		dB(A)	62	63	65
	Outdoor sound pressure	dB(A)	52	53	55
	Expansion device		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
	Net weight	kg	22	24	38
Gross weight(Without pipe)		kg	24	26	41
	Gross weight(With pipe)	kg	25	27	42
	Net dimensions (W x H x D)	mm	787×498×290	810×549×305	927×699×380
	Packing dimensions(W x H x D)-no pipe&3m pipe	mm	818×520×325	835×575×328	960×732×430
Connections	Connecting Wiring (Core x Size)	mm²	4×0.75mm²	4×0.75mm²	4×0.75mm²
	Power supply cable(Core x Size)	mm²	3×1.5	3×1.5	3×2.5
	Drainage pipe diameter	mm	16	16	16
	Connecting Pipe		3/8"	3/8"	1/2"
Others	Application area	m²	9~16	14~22	20~35
	Max. refrigerant pipe length	m	25	25	25
	Standard precharge total pipe length	m	5	5	5
	Additional refrigerant charge	g/m	15	15	25
Operation temperature range		m	16~31	16~31	16~31
	Ambient temperature	℃	Cooling:-15~53/Heating:-25~30	Cooling:-15~53/Heating:-25~30	Cooling:-15~53/Heating:-25~30
	range	℃	Cooling:17~32/Heating:0~30	Cooling:17~32/Heating:0~30	Cooling:17~32/Heating:0~30
		℃	Cooling:-15~53/Heating:-25~30	Cooling:-15~53/Heating:-25~30	Cooling:-15~53/Heating:-25~30