

2. General Specifications

Indoor Model			AR09TXHQASINEU AR09TXHQBWKNEU	AR12TXHQASINEU AR12TXHQBWKNEU
Outdoor Model			AR09TXHQASIXEU AR09TXHQBWKXEU	AR12TXHQASIXEU AR12TXHQBWKXEU
Power supply	V- Ph-Hz		220~240-1-50	220~240-1-50
Rated Cooling Capacity	Btu/h		9000(3100~11600)	12000(3800~14200)
Cooling Power input	W		770(100~1240)	1213(130~1580)
Cooling Current	A		3.3(0.4~5.4)	5.3(0.5~6.9)
Rated Heating Capacity	Btu/h		10000(2800~11500)	13000(3700~14400)
Heating Power input	W		750(120~1200)	1088(100~1680)
Heating Current	A		3.2(0.5~5.2)	4.7(0.4~6.9)
Seasonal Cooling	Pdesignc	kW	2.8	3.6
	SEER	W/W	6.3	6.1
	Energy Efficiency Class		A++	A++
Heating(Average)	Pdesignh	kW	2.6	2.7
	SCOP	W/W	4.0	3.9
	Energy Efficiency Class		A+	A
	Tbiv	°C	-7	-7
Tol	°C		-15	-15
Max. input consumption	W		2150	2150
Max. current	A		10	10
Compressor	Model		KSK103D33UEZ3(YJ)	KSK103D33UEZ3(YJ)
	Type		Rotary	Rotary
	Brand		GMCC	GMCC
	Capacity	W	3250	3250
	Input	W	829	829
	Rated current(RLA)	A	5.6	5.6
	Locked rotor Amp(LRA)	A	/	/
	Thermal protector		/	/
	Thermal protector position		/	/
	Capacitor	uF	/	/
	Refrigerant oil/oil charge	ml	ESTER OIL VG74/310	ESTER OIL VG74/310
Indoor fan motor	Model		YKFG-13-4-38L-4	YKFG-13-4-38L-4
	Input	W	40	40.0
	Output	W	13	13
	Capacitor	uF	1.2	1.2
	Speed(Hi/Mi/Lo)	r/min	1030/900/750	1150/950/750
Indoor coil	Number of rows		2.0	2
	Tube pitch(a)x row pitch(b)	mm	19.5x11.6	19.5x11.6
	Fin spacing	mm	1.2	1.2
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ5,Inner groove tube	Φ5,Inner groove tube
	Coil length x height x width	mm	595x78x23.2+595x117x23.2+595x78x23.2	595x78x23.2+595x117x23.2+595x78x23.2
	Number of circuits		4	4

Indoor air flow (Hi/Mi/Lo)		m3/h	466/360/325	540/430/314
Indoor sound pressure level (Hi/Mi/Lo)		dB(A)	41/28	43/29
Indoor sound power level		dB(A)	55	55
Indoor unit	Dimension(W*D*H)	mm	805x194x285	805x194x285
	Packing (W*D*H)	mm	880x285x360	880x285x360
	Net/Gross weight	Kg	8.1/11.1	8.1/11.1
Outdoor fan motor	Model		ZKFN-34-10-1	ZKFN-34-10-1
	Output	W	34	34
	Capacitor	uF	/	/
	Speed	r/min	760/450	790/450
Outdoor coil	Number of rows		1	1
	Tube pitch(a)x row pitch(b)	mm	21x22	21x22
	Fin spacing	mm	1.3	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube
	Coil length x height x width	mm	740x462x22	740x462x22
	Number of circuits		2	2
Outdoor air flow		m3/h	1750	1800
Outdoor sound pressure level		dB(A)	55	55
Outdoor sound power level		dB(A)	62	65
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495
	Packing (W*D*H)	mm	835x300x540	835x300x540
	Net/Gross weight	Kg	23.2/25.5	23.2/25.5
Refrigerant	Type		R32	R32
	GWP		675	675
	Charged quantity	Kg	0.55	0.55
Design pressure		MPa	4.3/1.7	4.3/1.7
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ9.52(1/4"/3/8")	Φ6.35/Φ9.52(1/4"/3/8")
	Max. refrigerant pipe length	m	25	25
	Max. difference in level	m	10	10
Connection wiring			1.5x5Core	1.5x5Core
Plug type			no-plug	no-plug
Thermostat type			Remote Control	Remote Control
Operation temperature			17-32	17-32
Ambient temperature	Indoor(cooling/ heating)	°C	17-32/0-30	17-32/0-30
	Outdoor(cooling/heating)	°C	-10-46/-15-24	-10-46/-15-24
Qty'per 20' /40' /40'HQ			130/240/260	130/240/260

Notes:

1) Capacities are based on the following conditions:

Cooling(T1): - Indoor Temperature 27°C(80.6°F) DB /19 °C(66.2°F) WB

-Outdoor Temperature 35 °C(95°F) DB /24 °C(75.2°F) WB

-Interconnecting Piping Length 5m

- Level Difference of Zero.

Heating: - Indoor Temperature 20°C(68°F) DB / 15°C(59°F) WB

-Outdoor Temperature 7°C(44.6°F) DB / 6°C(42.8°F) WB

- Interconnecting Piping Length 5 m

- Level Difference of Zero.

2) Capacities are Net Capacities.

3) Due to our policy of innovation some specifications may be changed without notification.