QCE - SERIES

Carrier
air-conditioners

Quiet

24-hour timer

Auto reset

Easy to install

Self-diagnostics feature

Self-protecting control routine

Easy to wash filter panel/grill

A CLASS
Energy Efficient

O-zone friendly
R-32

Carrier
Inverter R32

QCE - SERIES

Indoor & Outdoor QCE Units

Technical Specification

Indoor Model			42QCE009D8SE	42QCE012D8SE	42QCE018D8SE	42QCE024D8SE
Outdoor Model			38QCE009D8SE	38QCE012D8SE	38QCE018D8SE	38QCE024D8SE
Power supply		Ph-V-Hz	220-240V~, 1Ph, 50/60Hz	220-240V~, 1Ph, 50/60Hz	220-240V~, 1Ph, 50/60Hz	220-240V~, 1Ph, 50/60Hz
Cooling (Standard Conditions)	Capacity	Btu/h	9000	12000	18500	24000
	Range		4000~10000	4400~12500	3800~18620	4800~24500
	Input	W	820	1099	1670	2125
	Range		100~1020	280~1270	110~1820	320~2300
	Current	A	3.65	5.3	7.9	9.9
	Range		0.5~4.52	1.25~5.63	0.5~8.6	1.42~10.2
	EER	W/W	3.21	3.21	3.25	3.31
	SEER	W/W	6.15	6.25	7.5	7.0
	Energy Class		A++	A++	A++	A++
Heating (Standard Conditions)	Capacity	Btu/h	11000	12000	18500	24000
	Range		3100~12000	3600~13600	4500~19950	4900~24500
	Input	W	892	974	1485	1845
	Range		140~1080	300~1180	120~1658	380~2000
	Current	A	4.0	4.46	6.9	8.6
	Range		0.6~4.77	1.3~5.21	0.5~7.8	1.69~8.87
	COP	W/W	3.61	3.61	3.65	3.81
	SCOP	W/W	4.36	4.38	4.8	5.45
	Energy Class		A+	A+	A++	A+++
Rated Power Input		W	2200	2300	2500	2800
Rated Current		A	10	10.5	12	13
Indoor F/motor Speed (Hi/Mi/Lo)		r/min	1100/940/860	1030/898/832	1050/910/700	1050/910/840
Indoor coil	a.Number of rows		2	2	2	2
	b.Tube pitch(a)x row pitch(b)	mm	19.5x11.6+18x17.3	19.5x11.6+18x17.3	19.5x11.6	19.5x11.6
	c.Fin spacing	mm	1.3	1.3	1.3	1.3
	e.Tube outside dia.and type	mm	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ5,Inner groove tube
	f.Coil length x height x width	mm	530x72x17.3+530x117x23.2 +530x108x17.3	620x72x17.3+620x117x23.2 +620x108x17.3	770x195x23.2 +770x117x23.2	820x214.5x23.2 +820x117x23.2
	g.Number of circuits		2	2	4	6
Indoor air flow (Hi/Mi/Lo)		m3/h	515/365/290	550/400/250	915/750/675	1150/840/670
Indoor noise level (Hi/Mi/Lo)		dB(A)	38/33.5/21.5	36/32/20	44/38/35	46/39/31
Indoor unit	Dimension(W*D*H)	mm	723x199x286	813x201x289	975x218x308	1055x231x330
	Packing (W*D*H)	mm	780x270x365	780x270x365	1035x295x385	1130x405x310
	Net/Gross weight	kg	7.5/9.8	8.1/10.5	10.4/13.4	11.9/15.4
Outdoor F/motor speed		r/min	800/600	800/600	900/850/550	900/700/550
Outdoor coil	a.Number of rows		1	1	2	2
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x22
	c.Fin spacing	mm	1.4	1.4	1.4	1.4
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube
	f.Coil length x height x width	mm	750x462x13.37	750x462x13.37	755*504*13.37+735*504*13.37	860*504*44
	g.Number of circuits		2	2	4	6
Outdoor air flow		m3/h	1800	1800	1800	1800
Outdoor noise level		dB(A)	54	55	57.5	58
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495	765x303x555	805x330x554
	Packing (W*D*H)	mm	835x300x540	835x300x540	887x337x610	915x370x615
	Net/Gross weight	kg	19.7/21.6	20.6/22.4	24.6/26.8	32/34.3
Refrigerant type		kg	R32/0.52	R32/0.53	R32/0.9	R32/1.1
Design pressure		MPa	4.3/1.7	4.3/1.7	4.3/1.7	4.3/1.7
Refrigerant piping	Liquid side / Gas side	mm(inch)	6.35mm(1/4in)/9.52mm(3/8in)	6.35mm(1/4in)/9.52mm(3/8in)	6.35mm(1/4in)/12.7mm(1/2in)	9.52mm(3/8in)/15.9mm(5/8in)
	Max. refrigerant pipe length	m	35	35	30	30
	Max. difference in level	m	10	10	20	20
Connection wiring			1.5x4	1.5x4	1.5x4	1.5x4
Plug type			1.5x3/VDE plug	1.5x3/VDE plug	1.5x3/VDE plug	no-plug
Thermostat type			IR Remote Control	IR Remote Control	IR Remote Control	IR Remote Control
Operation temperature		˚C	17~30	17~30	17~30	17~30
Room temperature	Indoor(cooling/ heating)	˚C	16~32/0~30	16~32/0~30	16~32/0~30	16~32/0~30
	Outdoor(cooling/heating)	˚C	-15~50/-15~24	-15~50/-15~24	0~50/-15~24	0~50/-15~24
Application area (Cooling Standard)		m²	13~19	16~23	24~35	29~43

Information is applicable to a new unit with clean heat exchangers.
The above specifications and values subject to change without prior notice due to on-going product improvements.
The sound levels reflected are taken in an anechoic chamber.

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