

Ducted Fixed Speed Technical Specifications



Indoor Model			42QSS018NS-2	42QSS024NS-2	42QSS036NS-3	42QSS048NS-2	42QSS060NS-2
Outdoor Model			38QUS018NS-2	38QUS024NS-2	38QUS036NT-2	38QUS048NT-2	38QUS060NT-2
Power supply		V-Ph-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	380-415V,3Ph,50Hz	380-415V,3Ph,50Hz	380-415V,3Ph,50Hz
Cooling (Standard conditions)	Capacity	Btu/h	18000	24000	36000	48000	55000
		W	5275	7034	10551	14068	16120
	Input	W	1950	2503	3650	5350	6360
	Current	A	8.7	10.9	6.1	9.2	11.0
	EER	W/W	2.71	2.81	2.89	2.63	2.53
Heating (Standard conditions)	Capacity	Btu/h	19000	26000	39000	55000	60000
		W	5569	7620	11430	16120	17585
	Input	W	1650	2230	3300	4815	5540
	Current	A	7.3	9.7	5.6	8.3	9.3
	COP	W/W	3.37	3.42	3.46	3.35	3.17
Rated Power Input		W	2900	3700	4250	6300	7500
Rated Current		A	15.0	18.0	7.0	11.0	12.6
Indoor air flow (Hi/Mi/Lo)		m ³ /h	1020/830/740	1350/1150/950	1804/1372/1149	2150/1800/1400	2400/1850/1490
Indoor noise level (Hi/Mi/Lo)		dB(A)	44/41/38	41/38/34.5	47/40.5/38	48.0/45.0/42.0	51.7/46.9/44.4
Indoor unit	Dimension(W*D*H)	mm	880x674x210	1100x774x249	1100x774x249	1200x874x300	1200x874x300
	Packing (W*D*H)	mm	1070x725x280	1305x805x315	1305x805x315	1405x915x365	1405x915x365
	Net/Gross weight	kg	23.4/28.8	32.6/39	32.2/39.4	46/54.5	46/54.5
Outdoor air flow		m ³ /h	2500	3650	3800	6000	6500
Outdoor noise level		dB(A)	57	59	63	62	62.8
Outdoor unit	Dimension(W*D*H)	mm	805x330x554	890x342x673	946x410x810	900x350x1170	900x350x1170
	Packing (W*D*H)	mm	915x370x615	995x398x740	1090x500x875	1032x443x1307	1032x443x1307
	Net/Gross weight	kg	37.8/40.4	52.9/55.9	73.0/77.5	98.6/109.3	99.7/111.2
Refrigerant type		kg	R410A/1.3	R410A/2.0	R410A/2.85	R410A/3.3	R410A/3.3
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm (1/4in)/12.7mm (1/2in)	9.52mm (3/8in)/15.9mm (5/8in)	9.52mm (3/8in)/19mm(3/4in)	9.52mm (3/8in)/19mm(3/4in)	9.52mm (3/8in)/19mm (3/4in)
	Max. refrigerant pipe length	m	25	25	30	50	50
	Max. difference in level	m	15	15	20	30	30
Connection wiring			2.5x3/1.0x2+0.5x2	2.5x3/1.0x3+0.5x2	1.5x3/1.0x3	2.5x5/1.0x3	2.5x5/1.0x3
Power supply wiring			2.5x3	2.5x3	2.5x5	2.5x5	2.5x5
Thermostat type			Wired Control	Wired Control	Wired Control	Wired Control	Wired Control
Operation temperature(depend remote)		°C	17~30	17~30	17~30	17~30	17~30
Room temperature	Indoor(cooling/heating)	°C	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~27
	Outdoor(cooling/heating)	°C	18~43/-7~24	18~43/-7~24	-7~43/-7~24	18~43/-7~24	-7~43/-7~24
Application area (Cooling Standard)		m ²	24~35	32~47	48~70	64~94	73~107

Notes

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. Std. Metraclark T&C's Apply. Refer to service and installation manual for features.

NNRCS Product Test Compliance: Safety; SANS 60335-2-40 and Energy Efficiency; SANS 54511-3 and SANS 941

Ducted Inverter Technical Specifications



Ducted XDS		42QSS012XDS	42QSS018XDS	42QSS024XDS	42QSS036XDS	42QSS048XDS	42QSS060XDS	
Outdoor Model		38QUS012XDS	38QUS018XDS	38QUS024XDS	38QUS036XDS	38QUS048XDT	38QUS060XDT	
Power supply		V-Ph-Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz	
Cooling (Standard conditions)	Capacity	Btu/h	12000	18000	24000	36000	48000	52000
		W	3517	5275	7034	10551	14068	15240
	Input	W	1300	1720	2300	4160	5200	6000
	Current	A	5.7	7.6	10	18.8	8.5	10.5
	EER	W/W	2.71	3.07	3.06	2.54	2.71	2.54
Heating (Standard conditions)	Capacity	Btu/h	13000	19000	26000	40000	55000	62000
		W	3810	5569	7620	11723	16120	18171
	Input	W	1050	1653	2250	3200	4300	5200
	Current	A	5.5	7.25	9.78	14.5	7.0	8.9
	COP	W/W	3.63	3.37	3.39	3.66	3.75	3.49
Rated Power Input		W	2100	2950	3700	5000	7500	7500
Rated Current		A	9.1	13.5	19	22.5	14	14
Indoor air flow (Hi/Mi/Lo)		m3/h	600/480/300	911/706.3/515.2	1229/1035/825.1	2100/1800/1500	2600/2210/1820	2600/2210/1820
Indoor noise level (Hi/Mi/Lo)		dB(A)	38/34/25	41/38/34	41/39/37	44/42/39	53/51/48	53/51/48
Indoor unit	Dimension(W*D*H)	mm	700x506x200	880x674x210	1100x774x249	1360x774x249	1200x874x300	1200x874x300
	Packing (W*D*H)	mm	860x540x285	1070x725x280	1305x805x315	1570x805x330	1405x915x365	1405x915x365
	Net/Gross weight	kg	17.8/21.5	24.4/29.6	32.3/39.1	40.5/48.2	47.4/56.1	47.4/56.1
Outdoor air flow		m3/h	2200	2100	3500	4000	7500	7500
Outdoor noise level		dB(A)	56	55	60	64	64	64
Outdoor unit	Dimension(W*D*H)	mm	765x303x555	805x330x554	890x342x673	946x410x810	952x415x1333	952x415x1333
	Packing (W*D*H)	mm	887x337x610	915x370x615	995x398x740	1090x500x885	1095x495x1480	1095x495x1480
	Net/Gross weight	kg	26.9/29.2	33.6/36.2	45.1/48.3	67.6/72.1	109.9/123.5	109.9/123.5
Refrigerant type		kg	R410A/1.05	R410A/1.55	R410A/1.8	R410A/3.2	R410A/4.7	R410A/4.7
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm (1/4in)/9.52mm	6.35mm (1/4in)/12.7mm	9.52mm (3/8in)/15.9mm	9.52mm (3/8in)/15.9mm	9.52mm (3/8in)/15.9mm	9.52mm (3/8in)/15.9mm
	Max. refrigerant	m	25	30	50	75	75	75
	Max. difference in	m	10	20	25	30	30	30
Connection wiring			1.0x4//	1.5x4//	1.5x4//	1.5x4//	1.5x4//	1.5x4//
Power supply wiring			1.5x3	1.5x3	2.5x3	4.0x3	2.5x3	2.5x3
Thermostat type			Wired Control	Wired Control	Wired Control	Wired Control	Wired Control	Wired Control
Operation temperature		°C	17~30	17~30	17~30	17~30	17~30	17~30
Room temperature	Indoor(cooling/	°C	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30
	Outdoor(cooling/	°C	-15~50/-15~24	-15~50/-15~24	-15~50/-15~24	-15~50/-15~24	-15~50/-15~24	-15~50/-15~24
Application area (Cooling Stand-		m2	16~23	24~35	32~47	48~70	69~102	69~102

Notes

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