

# 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	380-415V, 3Ph, 50Hz	380-415V, 3Ph, 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)		m <sup>3</sup> /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		m <sup>3</sup> /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-		m <sup>2</sup>	16~23	24~35	32~47	48~70	69~102	69~102

## 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 & SANS 941