

Cassette Fixed Speed Technical Specifications



Indoor Model		42QTD012NS-2	42QTD018NS-2	42QTD024NSX	42QTD036NSX	42QTD048NSX	42QTD060NSX	
Outdoor Model		38QUS012NS-2	38QUS018NS-2	38QUS024NS-2	38QUS036NT-2	38QUS048NT-2	38QUS060NT-2	
Power supply from		Indoor	Indoor	Indoor	Outdoor	Indoor	Indoor	
Power supply		V-Ph- 220-240V,1Ph,50Hz	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	12000	18000	24000	36000	55000	
		kW	3517	5275	7034	10551	16120	
	Input	W	1095	1920	2417	3600	6270	
	Current	A	4.8	8.5	10.6	6.5	9.2	
EER	W/W	3.21	2.75	2.91	2.93	2.71	2.57	
Heating (Standard conditions)	Capacity	Btu/h	13000	19000	26000	38000	52000	
		kW	3810	5569	7620	11137	15240	
	Input	W	1180	1700	2200	3600	4763	
	Current	A	5.3	7.5	9.6	6.5	8.5	
COP	W/W	3.23	3.28	3.46	3.09	3.20	3.08	
Rated Power Input		W	1650	2900	3700	4250	6300	
Rated Current		A	8.0	15.0	18.0	7.0	11.0	
Indoor air flow (Hi/Mi/Lo)		m3/h	612/477/388	730/570/470	1300/1000/820	1960/1660/1400	1916/1780/1620	2100/1920/1730
Indoor noise level (Hi/Mi/Lo)		dB(A)	41/36/33	45/42/38	45.5/40/37.5	52/48/45	54/52/50	54.0/51.5/48.0
Indoor unit	Dimension(W*D*H)	mm	570x570x260	570x570x260	830x830x205	830x830x245	830x830x245	830x830x287
	Packing (W*D*H)	mm	655x655x290	655x655x290	910x910x250	910x910x290	910x910x290	910x910x330
	Net/Gross weight	kg	15/17.8	16.4/19.4	22.2/26.2	26.1/30.0	28.3/32.3	30.5/34.5
Outdoor air flow		m3/h	2500	2500	3650	3800	6000	6500
Outdoor noise level		dB(A)	55	58.5	60	62.5	62	61.5
Outdoor unit	Dimension(W*D*H)	mm	805x330x554	805x330x554	890x342x673	946x410x810	900x350x1170	900x350x1170
	Packing (W*D*H)	mm	915x370x615	915x370x615	995x398x740	1090x500x875	1032x443x1307	1032x443x1307
	Net/Gross weight	kg	32.3/34.9	37.8/40.4	52.9/55.9	73.0/77.5	98.6/109.3	99.7/111.2
Refrigerant type		kg	R410A/0.85	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)	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	15	25	25	30	50	50
	Max. difference in level	m	8	15	15	20	30	30
Connection wiring			2.5x3/1.0x2+0.75x2	2.5x3/1.0x2+0.75x2	2.5x3/1.0x3+0.5x2	1.5x3/1.0x3	1.5x5/1.0x3	2.5x5/1.0x3
Power supply wiring			2.5x3	2.5x3	2.5x3	2.5x5	2.5x5	2.5x5
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature(depend remote)		°C	17~30	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	17~32/0~30	17~32/0~30
	Outdoor(cooling/heating)	°C	18~43/-7~24	18~43/-7~24	18~43/-7~24	-7~43/-7~24	18~43/-7~24	-7~43/-7~24
Application area (Cooling Standard)		m2	16~23	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 & SANS 941

Cassette Inverter Technical Specifications



Indoor Model		42QTD012XDS	42QTD018XDS	42QTD024XDS	42QTD036XDS	42QTD048XDS	42QTD060XDS	
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	1150	1800	2300	4160	4710	5800
	Current	A	5.1	7.9	10	18.8	7.5	9.5
	EER	W/W	3.06	2.93	3.06	2.54	2.99	2.63
Heating (Standard conditions)	Capacity	Btu/h	13000	19000	26000	38000	55000	62000
		W	3810	5569	7620	11137	16120	18171
	Input	W	1060	1520	2250	3250	4750	5700
	Current	A	4.7	6.6	9.78	14.7	7.5	9.4
	COP	W/W	3.59	3.66	3.39	3.43	3.39	3.19
Rated Power Input		W	2100	2950	3700	5000	7500	7500
Rated Current		A	9.1	13.5	19.0	22.5	14	14
Indoor air flow (Hi/Mi/Lo)		m3/h	569/485/389	680/584/479	1247/1118/992	1700/1530/1300	2000/1850/1650	2000/1850/1650
Indoor noise level (Hi/Mi/Lo)		dB(A)	42/38/35	44/40.5/37	45.5/43/40.5	51/48/45	53/51/49	53/51/49
Indoor unit	Dimension (W*D*H)	mm	570x570x260	570x570x260	830x830x205	830x830x245	830x830x287	830x830x287
	Packing	mm	662x662x317	662x662x317	910x910x250	910x910x290	910x910x330	910x910x330
	Net/Gross	kg	16.3/20.4	16/20.6	21.6/25.4	27.2/31.2	29.3/33.5	29.3/33.5
Outdoor air flow		m3/h	2200	2100	3500	4000	7500	7500
Outdoor noise level		dB(A)	56	59	60	65	65	65
Outdoor unit	Dimension (W*D*H)	mm	765x303x555	805x330x554	890x342x673	946x410x810	952x415x1333	952x415x1333
	Packing	mm	887x337x610	915x370x615	995x398x740	1090x500x885	1095x495x1480	1095x495x1480
	Net/Gross	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 (3/8in)	6.35mm (1/4in)/12.7mm (1/2in)	9.52mm (3/8in)/15.9mm (5/8in)	9.52mm (3/8in)/15.9mm (5/8in)	9.52mm (3/8in)/15.9mm (5/8in)	9.52mm (3/8in)/15.9mm (5/8in)
	Max. refrigerant pipe	m	25	30	50	75	75	75
	Max. difference in level	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			Remote Control	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature		°C	16~30	16~30	16~30	16~30	16~30	16~30
Room temperature	Indoor (cooling/	°C	17~32/0~30	17~32/0~30	16~32/0~30	16~32/0~30	16~32/0~30	16~32/0~30
	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 Standard)		m2	16~23	24~35	32~47	48~70	71~104	71~104

Notes

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