



# Inverter Ducted | 42QSM/38QUS

## FEATURES

**Compact and versatile is the ideal choice for new or refurbished buildings.**

Slim line profile that allows installation in applications with low available height.

Reliable and durable unit thanks to high efficient DC rotary inverter driven compressor.

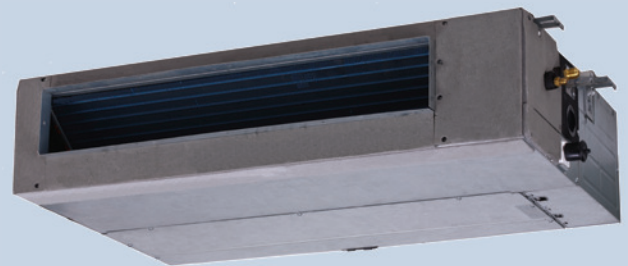
Easy installation and maintenance as all components can be accessed by removing the grille.

Equipped with fresh air intake.

Built in Drain Pump that can lift the condensate water up to 750 mm.

Standard equipped air filter.

Choice of wired (optional) or wireless controls (standard).



Unit



Remote controle

# TECHNICAL SPECIFICATIONS

INDOOR UNIT		42QSM012DS	42QSM018DS	42QSM024DS	42QSM036DS	42QSM048DS	42QSM060DS
OUTDOOR UNIT		38QUS012DS	38QUS018DS	38QUS024DS	38QUS036DS	38QUS048DT	38QUS060DT
Cooling capacity	KW	3.5(1.0~3.7)	5.2(2.1~5.5)	6.8(2.5~7.0)	10.3(5.3~12.0)	12.2(7.7~14.2)	13.0(7.5~15.8)
Heating capacity	KW	3.6(1.0~4.1)	5.4(2.0~6.0)	6.8(2.4~7.0)	11.5(5.7~14.0)	14.5(7.5~18.0)	17.0(7.4~20.2)
Heating capacity at -7°C	KW	3,2	4,1	4,3	9,1	/	/
P design capacity cooling	KW	3,5	5,2	6,8	10,3	/	/
P design capacity heating (average)	KW	2,7	4,1	5,1	10,3	/	/
Temp range cooling	°C	-10~46	-10~46	-10~46	-10~46	-10~46	-10~46
Temp range heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24
SEER / SCOP (warmer) / SCOP (average)		5.8 / 5.1 / 3.8	5.9 / 5.1 / 3.8	6.0 / 4.6 / 3.8	6.0 / 4.9 / 3.8		
EER / COP						3.0 / 3.2	2.8 / 2.9
Energy label		A+ / A+++ / A	A+ / A+++ / A	A+ / A++ / A	A+ / A++ / A	B / C	C / D
Yearly energy consumption	kWh	211 / 851 / 995	308 / 1235 / 1511	397 / 1879 / 2161	601 / 3000 / 3795	2100 / 2400	2350 / 2850
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
Standard current (cooling)	A	5,0	8,1	10,5	19,1	6,2	7,5
Standard input (cooling)	W	1150	1840	2450	4350	4200	4700
Standard current (heating)	A	5,7	7,3	9,6	13,9	7,3	9,1
Standard input (heating)	W	1300	1650	2200	3200	4800	5700
Refrigerant amount R410a	kg	1,03	1,70	2,15	3,65	4,35	4,60
Liquid side / Gas side	inch	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"
Standard piping length	m	5	5	5	5	5	5
Min. piping length	m	3	3	3	3	3	3
Max. piping length	m	20	25	25	30	30	30
Max. difference	m	8	10	10	10	15	15
Additional charge	g/m	15	15	30	30	30	30

INDOOR UNIT		42QSM012DS	42QSM018DS	42QSM024DS	42QSM036DS	42QSM048DS	42QSM060DS
Sound power level	dB(A)	56	57	62	62	65	65
Sound pressure level (H/M/L/S)	dB(A)	42/40/38	42/40/38	44/41/34	46/44/42	50/47/44	50/47/44
Airflow (H/M/L/S)	m3/h	520/450/380	920/840/760	1360/1200/1000	1750/1500/1280	2200/1900/1600	2200/1900/1600
External static pressure	Pa	40	70	70	80	80	80
Weight unit	kg	18.5	23	26.5	44	45 / 53	45 / 53
Dimensions unit (WxDxH)	mm	700x635x210	920x635x210	920x635x270	1200x865x300	1200x865x300	1200x865x300
OUTDOOR UNIT		38QUS012DS	38QUS018DS	38QUS024DS	38QUS036DS	38QUS048DT	38QUS060DT
Sound power level	dB(A)	62	63	68	69	74	74
Sound pressure level	dB(A)	54	58	61	63	63	63
Airflow	m3/h	2000	2000	2500	4300	6800	6800
Weight	kg	30.5	37.0	47.0	72.0	103.0	103.0
Dimensions (WxDxH)	mm	810x310x558	810x310x558	845x320x700	945x395x810	938x392x1369	938x392x1369

## Notes:

Cooling Capacities are based on 27°C (WB) indoor air temperature and 35 °C (DB) / 24 °C (WB) outdoor air temperature.

Heating Capacities are based on 20 °C (DB) / 15 °C (WB) indoor air temperature and 7 °C (DB) / 6 °C (WB) outdoor air temperature.



United Technologies

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