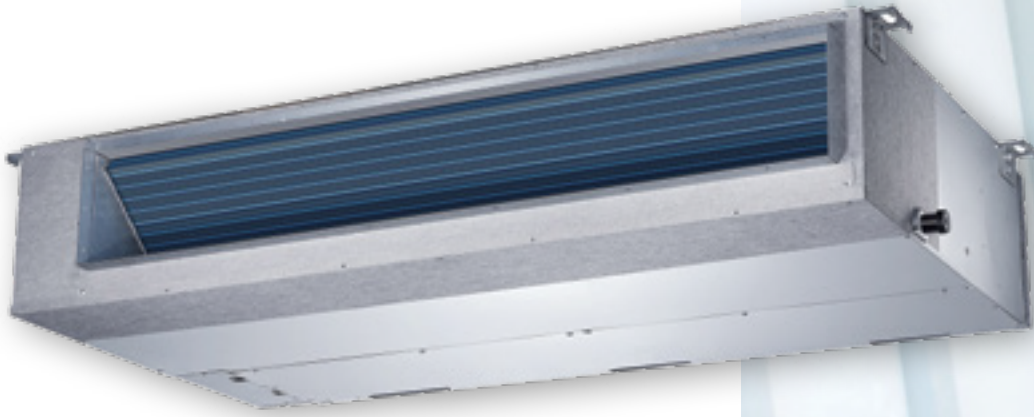


INVERTER DUCTED

XPOWER 42QSS



**R32**  
REFRIGERANT



Sleep Mode



Dry Mode



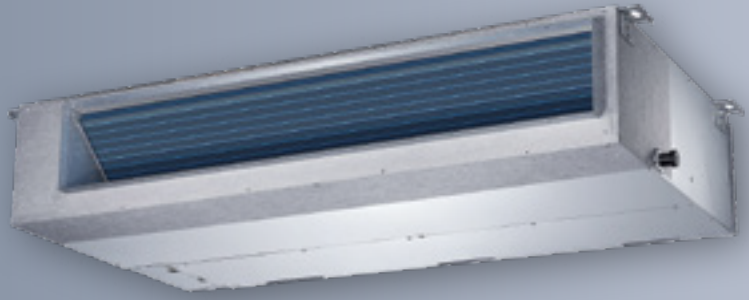
Auto Leak Detection





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

## INVERTER DUCTED XPOWER 42QSS



















### DISCREET COMFORT

Carrier duct unit has slim design with reduced height, suitable for low-ceiling installations. It comes ready with the option of fresh air intake function when connected to additional ventilation duct.

Whether return air is required from the rear or bottom, both can be easily achieved on-site by changing over the cover, as both air inlet have the same frame size.

Moreover, the unit is designed with wide external static pressure ranges from 0 Pa to 160 Pa, suitable for short or long duct, with or without damper. Equipped with constant air volume control technology, Carrier Concealed Duct automatically adjusts the static pressure to deliver constant air volume for optimal occupants' comfort. Moreover, reserved ports are available for long distance on-off remote control by connecting to a switch, and providing an alarm signal for external alarm light or vibration gauge.

### FEATURES

- |  |  |  |
|--|--|--|
|  Built-in Drain Pump (optional) |  Turbo Mode                   |  Electrical Voltage Protection (168 to 264V) |
|  Auto Leak Detection            |  Sleep Mode                   |  Bright LCD Screen Remote Control            |
|  Auto Defrost                   |  Dry Mode                     |  Twin function                               |
|  Auto Swing                     |  "My" Mode                    |  Wired Control                               |
|  Auto Restart                   |  Louver Function/Horizontally |  |
|  Timer                          |  Cold Draft Prevention        |  |

# TECHNICAL CHARACTERISTICS

## SINGLE PHASE

### INDOOR UNIT

### OUTDOOR UNIT

		42QSS012D8S-1	42QSS018D8S-1	42QSS024D8S	42QSS030D8S	42QSS036D8S	42QSS042D8S
		38QUS012D8S-1	38QUS018D8S-1	38QUS024D8S	38QUS030D8S	38QUS036D8S	38QUS042D8S
Cooling capacity	kW	3.50 (0.53~3.99)	5.40 (2.55~5.86)	7.10 (3.28~8.16)	8.75 (2.23~9.85)	10.50 (2.75~11.14)	12.00 (2.93~12.31)
Heating capacity	kW	4.40 (1.00~4.39)	5.80 (2.20~6.15)	7.45 (2.81~8.49)	9.30 (2.70~10.02)	12.10 (2.78~12.78)	13.50 (3.37~14.07)
Heating cap. at -7°C	kW	3,0	4,45	6,1	6,5	9,1	9,6
Heating cap. at -10°C	kW	2,7	3,75	5,5	6,0	8,1	8,8
Heating cap. at -15°C	kW	2,5	3,30	4,8	5,3	7,8	8,1
SEER/SCOP (average) SCOP (warmer)	W/W	6.3 / 4.0 / 5.1	6.6 / 4.0 / 5.1	6.2 / 4.0 / 5.2	6.8 / 4.0 / 5.7	6.3 / 4.0 / 5.3	6.2 / 4.0 / 5.6
Energy label		A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++
Yearly energy consumption	kWh	194 / 945 / 933	286 / 1505 / 1455	401 / 1890 / 1561	450 / 2800 / 2014	583 / 2940 / 2589	677 / 3255 / 2550
EER/COP	W/W	3.27 / 3.78	3.48 / 3.82	3.15 / 4.14	3.43 / 4.04	2.63 / 3.69	2.86 / 3.91
Standard current (cooling)	A	4,8	6,8	10,0	11,5	17,5	18,5
Standard input (cooling)	W	1070	1550	2250	2550	4000	4200
Standard current (heating)	A	5,3	6,7	8,0	10,0	14,5	15,0
Standard input (heating)	W	1165	1520	1800	2300	3280	3450

### INDOOR UNIT

### OUTDOOR UNIT

		42QSS012D8S-1	42QSS018D8S-1	42QSS024D8S	42QSS030D8S	42QSS036D8S	42QSS042D8S
		38QUS012D8S-1	38QUS018D8S-1	38QUS024D8S	38QUS030D8S	38QUS036D8S	38QUS042D8S
Sound power level	dB(A)	58	58	62	64	62,0	67,0
Sound pressure level (high/med/low/silence)	dB(A)	34.5/30.5/29.0/23.0	41.0/38.0/34.0/26.0	49.0/46.0/41.0	50.5/48.0/46.0	50.0/48.0/46.0	51.5/49.0/48.0
Air flow (high/med/low)	m³/h	600/480/300	910/710/515	1230/1035/825	2100/1800/1500	2100/1800/1500	2400 / 2040 / 1680
Weight	kg	17.8	24.4	32.3	40.5	40.5	47.6
Dimensions (WxDxH)	mm	700x506x200	880x674x210	1100x774x249	1360x774x249	1360x774x249	1200x874x300
Temp range cooling	°C	-15~50					
Temp range heating	°C	-15~24					
Liquid side/Gas side		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	25	30	50	50	65	65
Max difference	m	10	20	25	25	30	30
Additional charge	g/m	12	12	24	24	24	24
Refrigerant amount	kg	0.72	1.15	1.50	2.0	2.40	2.80
Sound power level	dB(A)	59.10	64	65	68.30	68.54	72.19
Sound pressure level	dB(A)	54	57	60	61.5	63	63
Air flow	m³/h	2200	2100	3500	3800	4000	4000
Weight	kg	26.6	32.5	43.9	52.8	66.9	71.0
Dimensions (WxDxH)	mm	765X303X555	805X330X554	890x342x673	946x410x810	946x410x810	946x410x810
Voltage/Hz/Ph		220~240V / 50Hz / 1Ph					

Notes:

\* Sound data @ cooling mode

\*-7°C/-10°C/-15°C heating @ free frequency

\* Preliminary Data



# TECHNICAL CHARACTERISTICS

## THREE PHASE

### INDOOR UNIT

### OUTDOOR UNIT

Cooling capacity	kW	10.60 (2.73~11.78)	14.10 (3.52~15.53)	15.40 (4.10~17.30)
Heating capacity	kW	12.10 (2.78~12.84)	15.50 (4.10~18.17)	18.30 (4.40~20.50)
Heating capacity at -7°C	kW	9,1	12,8	13,2
Heating capacity at -10°C	kW	7,6	11,45	12,0
Heating capacity at -15°C	kW	7,0	10,8	11,7
SEER/SCOP (average)/ SCOP (warmer)	W/W	6.1 / 4.0 / 5.1	6.1 / 4.0 / 5.0	6.1 / 4.0 / 5.2
Energy label		A++ / A+ / A+++	A++ / A+ / A++	A++ / A+ / A+++
Yearly energy consumption	kWh	608 / 3080 / 2745	809 / 4095 / 3220	884 / 4445 / 3446
EER/COP	W/W	2.62 / 3.67	2.79 / 3.44	2.93 / 3.52
Standard current (cooling)	A	6,5	8,5	9,6
Standard input (cooling)	W	4050	5050	5250
Standard current (heating)	A	5,8	8,0	9,5
Standard input (heating)	W	3300	4500	5200

		42QSS036D8S	42QSS048D8S	42QSS060D8S
		38QUS036D8T	38QUS048D8T	38QUS060D8T
Cooling capacity	kW	10.60 (2.73~11.78)	14.10 (3.52~15.53)	15.40 (4.10~17.30)
Heating capacity	kW	12.10 (2.78~12.84)	15.50 (4.10~18.17)	18.30 (4.40~20.50)
Heating capacity at -7°C	kW	9,1	12,8	13,2
Heating capacity at -10°C	kW	7,6	11,45	12,0
Heating capacity at -15°C	kW	7,0	10,8	11,7
SEER/SCOP (average)/ SCOP (warmer)	W/W	6.1 / 4.0 / 5.1	6.1 / 4.0 / 5.0	6.1 / 4.0 / 5.2
Energy label		A++ / A+ / A+++	A++ / A+ / A++	A++ / A+ / A+++
Yearly energy consumption	kWh	608 / 3080 / 2745	809 / 4095 / 3220	884 / 4445 / 3446
EER/COP	W/W	2.62 / 3.67	2.79 / 3.44	2.93 / 3.52
Standard current (cooling)	A	6,5	8,5	9,6
Standard input (cooling)	W	4050	5050	5250
Standard current (heating)	A	5,8	8,0	9,5
Standard input (heating)	W	3300	4500	5200

### INDOOR UNIT

Sound power level	dB(A)	62,0	67,0	67,0
Sound pressure level (high/med/low/silence)	dB(A)	49.5/48.0/46.0/42.0	50.0/49.0/47.0/42.0	52.5/49.0/47.0/40.0
Air flow (high/med/low)	m³/h	2100/1800/1500	2400 / 2040 / 1680	2600 / 2210 / 1820
Weight	kg	40.5	47.6	47.4
Dimensions (WxDxH)	mm	1360x774x249	1200x874x300	1200x874x300

		42QSS036D8S	42QSS048D8S	42QSS060D8S
Sound power level	dB(A)	62,0	67,0	67,0
Sound pressure level (high/med/low/silence)	dB(A)	49.5/48.0/46.0/42.0	50.0/49.0/47.0/42.0	52.5/49.0/47.0/40.0
Air flow (high/med/low)	m³/h	2100/1800/1500	2400 / 2040 / 1680	2600 / 2210 / 1820
Weight	kg	40.5	47.6	47.4
Dimensions (WxDxH)	mm	1360x774x249	1200x874x300	1200x874x300

### OUTDOOR UNIT

Temp range cooling	°C	-15~50		
Temp range heating	°C	-15~24		
Liquid side/Gas side		3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"
Standard piping length	m	5	5	5
Min piping length	m	3	3	3
Max piping length	m	65	65	65
Max difference	m	30	30	30
Additional charge	g/m	24	24	24
Refrigerant amount	kgr	2.40	2.90	3.00
Sound power level	dB(A)	68.5	71.82	72.25
Sound pressure level	dB(A)	63	63,5	64
Air flow	m³/h	4000	7500	7500
Weight	kg	80.5	103.7	107.0
Dimensions (WxDxH)	mm	946x410x810	952x415x1333	952x415x1333
Voltage/Hz/Ph		380~415V / 50Hz / 3Ph		

		38QUS036D8T	38QUS048D8T	38QUS060D8T
Temp range cooling	°C	-15~50		
Temp range heating	°C	-15~24		
Liquid side/Gas side		3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"
Standard piping length	m	5	5	5
Min piping length	m	3	3	3
Max piping length	m	65	65	65
Max difference	m	30	30	30
Additional charge	g/m	24	24	24
Refrigerant amount	kgr	2.40	2.90	3.00
Sound power level	dB(A)	68.5	71.82	72.25
Sound pressure level	dB(A)	63	63,5	64
Air flow	m³/h	4000	7500	7500
Weight	kg	80.5	103.7	107.0
Dimensions (WxDxH)	mm	946x410x810	952x415x1333	952x415x1333
Voltage/Hz/Ph		380~415V / 50Hz / 3Ph		

Notes:

\* Sound data @ cooling mode

\* -7°C/-10°C/-15°C heating @ free frequency

\* Preliminary Data

