

# Inverter Ducted XPower 42QSS

---



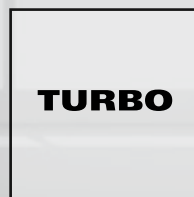
3D DC Inverter



Timer



Sleep Mode



Turbo Mode



Auto Leak Detection



**EUROVENT CERTIFIED PERFORMANCE:**

Eurovent Certification certifies the performance ratings of the air-condition unit according to European and international standards.



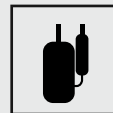
**BUILT-IN DRAIN PUMP:**

The drain pump can remove the condensing water from the unit, up to 750mm high. The drainage piping is easy to install even at narrow spaces.



**3D DC INVERTER:**

The outdoor unit is equipped with DC inverter technology compressor and DC inverter fan motor. The indoor unit is also equipped with a DC inverter fan motor. With 3 DC inverter motors the unit achieves maximum performance and energy efficiency.



**TWIN-ROTARY COMPRESSORS:**

Units from 24,000 to 60,000 BTU are equipped with DC Twin-Rotary compressors, which contribute to the system's high performance and reliability. The two-rotary compression cylinders, offset from each other by 180° and a DC brushless motor with the shaft in perfect balance, ensure reduced vibrations and lower noise levels even when operating at very low speeds. They have an extremely wide range between the minimum and maximum capacity, therefore the system is always optimized to provide maximum comfort with extremely high efficiency levels.

## Instalation Flexibility

**- Slim design:**

The unit has slim design with reduced height, suitable for low-ceiling installations.

**- Two way air inlet:**

The unit offers air intake both from the back and bottom side, for more flexible installation.

**- Fresh air intake:**

A ventilation motor can be installed in the fresh-air duct, connected to the ventilation connector, and work with the indoor fan to increase the volume of fresh air (optional).

**- Auto adjust external static pressure:**

With automatic air-flow adjustment function, the unit can adapt its fan speed to a lower or higher curve, to decrease or increase air-flow depending on resistance.

**- Increased external static pressure:**

The optimized air scroll design can deliver higher external static pressure.

**- Reserved dry contact ports:**

With the reserved ports, a remote switch can be easily connected for a remote control. The built-in PCB can produce alarm signal which can be connected to an external alarm light or vibration gauge.

## SINGLE PHASE

INDOOR UNIT		42QSS012DS-1	42QSS018DS-1	42QSS024DS-1	42QSS030DS-1	42QSS036DS-1	42QSS048DS-1
OUTDOOR UNIT		38QUS012DS-1	38QUS018DS-1	38QUS024DS-1	38QUS030DS-1	38QUS036DS-1	38QUS048DS-1
Cooling capacity	kW	3.52 (1.4-3.9)	5.00 (2.0-5.5)	7.03 (2.5-7.7)	8.70 (2.1-10.5)	10.2 (3.7-11.0)	13.7 (5.1-14.4)
Heating capacity	kW	3.80 (1.2-4.2)	5.40 (2.0-6.0)	7.40 (2.4-8.7)	9.30 (2.1-10.8)	12.7 (3.0-14.0)	15.4 (4.4-16.4)
Heating cap. at -7°C	kW	2,5	4	5,3	7	10,3	10,8
Heating cap. at -10°C	kW	2,2	3,6	4,7	6,6	9,6	10,3
Heating cap. at -15°C	kW	2	2,5	3,5	6	8,3	8,9
SEER/SCOP (average)/SCOP (warmer)	W/W	6.1/4.0/5.1	6.3/4.0/5.1	6.1/4.0/5.1	6.5/4.0/4.8	6.2/4.0/5.1	5.8/4.0/4.9
Energy label		A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++	A+ / A+ / A++
Yearly energy consumption	kWh	202/985/941	277/1468/1465	401/1820/2058	469/2532/2040	574/3598/2888	826/3597/3337
EER/COP	W/W	2.8/3.2	2.8/3.6	3.1/3.4	3.0/3.7	2.6/3.7	2.7/3.5
Standard current (cooling)	A	5,5	7,7	9,7	13,1	17,4	22,3
Standard input (cooling)	W	1250	1680	2300	2860	3890	5070
Standard current (heating)	A	5,2	6,6	9,5	11,6	15,7	19,5
Standard input (heating)	W	1190	1500	2150	2490	3410	4400

INDOOR UNIT		42QSS012DS-1	42QSS018DS-1	42QSS024DS-1	42QSS030DS-1	42QSS036DS-1	42QSS048DS-1
Sound power level	dB(A)	60	60	61	65	65	71
Sound pressure level (high/med/low)	dB(A)	42/38/35	42/40/38	43/40/38	47/45/42	47/45/42	53/51/49
Air flow (high/med/low)	m³/h	540/500/370	790/660/490	1120/900/420	1900/1560/1205	1900/1550/1200	2400/2050/1750
Weight (net/gross)	kg	18.5/23.0	23.0/29.0	30.2/37.3	40.5/48.5	40.5/48.5	46/55
Dimensions (WxDxH)	mm	700x635x210	880x674x210	1100x774x249	1360x774x249	1360x774x249	1200x874x300

OUTDOOR UNIT		38QUS012DS-1	38QUS018DS-1	38QUS024DS-1	38QUS030DS-1	38QUS036DS-1	38QUS048DS-1
Temp range cooling	°C	-10 - 46	-10 - 46	-10 - 46	-10 - 46	-10 - 46	-10 - 46
Temp range heating	°C	°C	-15 - 24	-15 - 24	-15 - 24	-15 - 24	-15 - 24
Refrigerant amount	kg	0,65	1,7	2	2,8	3,2	4
Liquid side/Gas side	inn	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	40	50	50	50
Max difference	m	10	20	20	25	25	25
Additional charge	g/m	15	15	15	15	15	15
Sound power level	dB(A)	65	65	69	70	70	75
Sound pressure level	dB(A)	56	57	61	62	64	64
Air flow	m³/h	2100	2100	2700	4300	4150	6800
Weight (net/gross)	kg	28.5 / 31.5	38.0/40.5	50/54.5	62.9/68.5	67.2/72.9	95.1/108.4
Dimensions (WxDxH)	mm	800x333x554	800x333x554	845x363x702	946x410x810	946x410x810	952x415x1333
Voltage/Hz/Ph		220-240V / 50Hz / 1Ph					

Note  
 \* Sound data @ cooling mode  
 \* -7°C / -10°C / -15°C heating @ free frequency

\* Preliminary Data