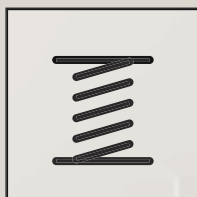


Inverter Under-ceiling XPower 42QZL



3D DC Inverter



Timer



Sleep Mode



Dry Mode



Auto Leak Detection



United Technologies
turn to the experts 

Slim and stylish with high performance



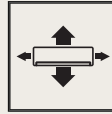
R32
REFRIGERANT 

R410A
REFRIGERANT



EUROVENT CERTIFIED PERFORMANCE:

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



3D AIR FLOW LOUVERS:

The unit can distribute air around in three directions and in 90° angle, to match the installation conditions.



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.



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.



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

- Floor or ceiling installation:

The unit can be installed either on the floor or on the ceiling. It has 3-way piping sockets and 2-way drainage directions that allow for easy installation in every position.

- 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).

- 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		42QZL018DS-1	42QZL024DS-1	42QZL030DS-1	42QZL036DS-1	42QZL048DS-1
OUTDOOR UNIT		38QUS018DS-1	38QUS024DS-1	38QUS030DS-1	38QUS036DS-1	38QUS048DS-1
Cooling capacity	kW	5.00 (2.0-5.5)	7.03 (2.5-8.0)	8.40 (2.1-10.5)	10.4 (4.4-11.0)	13.6 (4.8-14.0)
Heating capacity	kW	5.50 (2.0-6.0)	7.30 (2.5-8.5)	9.00 (2.1-10.8)	11.9 (3.7-13.8)	15.5 (5.4-16.0)
Heating capacity at -7°C	kW	4,3	5,3	6,5	9,8	11,3
Heating capacity at -10°C	kW	3,9	5,5	6,2	8,4	10,8
Heating capacity at -15°C	kW	3,2	4,9	5,7	8,2	9,4
SEER/SCOP (average)/SCOP (warmer)	W/W	5.9 / 4.1 / 5.1	5.8 / 4.0 / 4.6	6.3 / 4.0 / 5.2	6.3 / 4.0 / 5.1	5.9 / 4.0 / 5.3
Energy label		A+ / A+ / A+++	A+ / A+ / A++	A++ / A+ / A+++	A++ / A+ / A+++	A+ / A+ / A+++
Yearly energy consumption	kWh	298/1470/1466	424/1820/2373	469/2769/2108	576/3561/2922	810/3718/3167
EER/COP	W/W	2.8/4.0	2.9/3.3	2.8/3.6	2.6/3.7	2.4/2.9
Standard current (cooling)	A	7,8	11	13,5	17,1	24,4
Standard input (cooling)	W	1720	2430	2970	3970	5620
Standard current (heating)	A	6,1	9,6	11,3	14	23,4
Standard input (heating)	W	1360	2180	2480	3200	5300

INDOOR UNIT		42QZL018DS-1	42QZL024DS-1	42QZL030DS-1	42QZL036DS-1	42QZL048DS-1
Sound power level	dB(A)	58	65	65	65	69
Sound pressure level (high/med/low)	dB(A)	45/42/39	50/47/41	54/49/44	55/51/46	55/51/46
Air flow (high/med/low)	m³/h	900/790/670	1150/1040/790	1650/1450/1250	2000/1700/1350	2100/1700/1500
Weight (net/gross)	kg	27.0/32.0	27.0/32.0	31/36.5	38/44	38.2/44.6
Dimensions (WxDxH)	mm	1068x675x235	1068x675x235	1285x675x235	1650x675x235	1650x675x235

OUTDOOR UNIT		38QUS018DS-1	38QUS024DS-1	38QUS030DS-1	38QUS036DS-1	38QUS048DS-1
Temp range cooling	°C	-10 - 46	-10 - 46	-10 - 46	-10 - 46	-10 - 46
Temp range heating	°C	-15 - 24	-15 - 24	-15 - 24	-15 - 24	-15 - 24
Refrigerant amount	kg	1,7	2	2,8	3,2	4
Liquid side/Gas side	inn	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
Min piping length	m	3	3	3	3	3
Max piping length	m	30	40	50	50	50
Max difference	m	20	20	25	25	25
Additional charge	g/m	15	15	15	15	15
Sound power level	dB(A)	65	69	70	70	75
Sound pressure level	dB(A)	57	61	62	64	64
Air flow	m³/h	2100	2700	4300	4150	6800
Weight (net/gross)	kg	38.0/40.5	50/54.5	62.9/68.5	67.2/72.9	95.1/108.4
Dimensions (WxDxH)	mm	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

THREE PHASE

INDOOR UNIT		42QZL036DS-1	42QZL048DS-1	42QZL060DS-1
OUTDOOR UNIT		38QUS036DT-1	38QUS048DT-1	38QUS060DT-1
Cooling capacity	kW	10.4 (4.0-11.4)	13.6 (4.8-14.0)	15.5 (5.4-16.0)
Heating capacity	kW	11.9 (2.9-14.5)	15.5 (5.4-16.0)	17.5 (4.3-18.5)
Heating capacity at -7°C	kW	9,7	11,1	11,5
Heating capacity at -10°C	kW	8,3	10,5	11,1
Heating capacity at -15°C	kW	8,2	8,6	9,9
SEER/SCOP (average)/SCOP (warmer)	W/W	6.3 / 4.0 / 5.1	5.8 / 4.0 / 5.3	5.8 / 4.1 / 5.1
Energy label		A++ / A+ / A+++	A+ / A+ / A+++	A+ / A+ / A+++
Yearly energy consumption	kWh	575/3599/2874	815/3954/3179	938/4011/3173
EER/COP	W/W	2.8/3.7	2.4/3.0	2.5/3.1
Standard current (cooling)	A	6	9,3	10,5
Standard input (cooling)	W	3680	5620	6150
Standard current (heating)	A	5,3	8,6	9,4
Standard input (heating)	W	3200	5130	5600

INDOOR UNIT		42QZL036DS-1	42QZL048DS-1	42QZL060DS-1
Sound power level	dB(A)	65	69	73
Sound pressure level (high/med/low)	dB(A)	55/51/46	55/51/46	56/51/47
Air flow (high/med/low)	m³/h	2000/1700/1350	2100/1700/1500	2250/1900/1500
Weight (net/gross)	kg	38/44	38.2/44.6	40.5/47
Dimensions (WxDxH)	mm	1650x675x235	1650x675x235	1650x675x235

OUTDOOR UNIT		38QUS036DT-1	38QUS048DT-1	38QUS060DT-1
Temp range cooling	°C	-10 - 46	-10 - 46	-10 - 46
Temp range heating	°C	-15 - 24	-15 - 24	-15 - 24
Refrigerant amount	kg	3,65	4	4,3
Liquid side/Gas side	inn	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	50	50	50
Max difference	m	25	25	25
Additional charge	g/m	15	15	15
Sound power level	dB(A)	70	75	77
Sound pressure level	dB(A)	64	64	64
Air flow	m³/h	4150	6800	7000
Weight (net/gross)	kg	85.3/91	108.1/121.2	112.8/126
Dimensions (WxDxH)	mm	946x410x810	952x415x1333	952x415x1333
Voltage/Hz/Ph		380-415V / 50Hz / 3Ph		

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

* Preliminary Data

SINGLE PHASE

INDOOR UNIT		42QZL018R8S	42QZL024R8S	42QZL036R8S
OUTDOOR UNIT		38QUS018R8S	38QUS024R8S	38QUS036R8S
Cooling capacity	kW	5.20(2.60-5.60)	7.05(3.20-7.70)	10.50(3.90-10.70)
Heating capacity	kW	5.70(2.30-5.80)	7.40(2.70-8.30)	12.50(2.90-13.50)
Heating capacity at -7°C	kW	4,30	5,30	9,80
Heating capacity at -10°C	kW	3,90	5,50	8,40
Heating capacity at -15°C	kW	3,20	4,90	8,20
SEER/SCOP (average)/SCOP (warmer)	W/W	6.9 / 4.0 / 5.1	6.3 / 4.0 / 5.0	6.6 / 4.0 / 5.1
Energy label		A++ / A+ / A+++	A++ / A+ / A++	A++ / A+ / A+++
Yearly energy consumption	kWh	264 / 1645 / 1290	392 / 1855 / 1372	557 / 3045 / 2910
EER/COP	W/W	3.06 / 3.77	3.07 / 3.47	2.65 / 3.62
Standard current (cooling)	A	7,7	10,1	17,1
Standard input (cooling)	W	1700	2230	3830
Standard current (heating)	A	6,8	9,7	15,3
Standard input (heating)	W	1500	2130	3450

INDOOR UNIT		42QZL018R8S	42QZL024R8S	42QZL036R8S
Sound power level	dB(A)	57	62	63
Sound pressure level (high/med/low)	dB(A)	45 / 40 / 37	49 / 46 / 41	50 / 46 / 42
Air flow (high/med/low)	m³/h	900 / 790 / 680	1200 / 1070 / 850	2160 / 1840 / 1430
Weight (net/gross)	kg	27.0 / 32.0	27.0 / 32.0	41.2 / 47.6
Dimensions (WxDxH)	mm	1068×675×235	1068×675×235	1650×675×235

OUTDOOR UNIT		38QUS018R8S	38QUS024R8S	38QUS036R8S
Temp range cooling	°C		-15-50	
Temp range heating	°C		-15-24	
Refrigerant amount	kg	1,35	1,5	2,4
Liquid side/Gas side	inn	1/4 / 1/2	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	30	50	65
Max difference	m	20	25	30
Additional charge	g/m	12	24	24
Sound power level	dB(A)	65	67	69
Sound pressure level	dB(A)	57	61	64
Air flow	m³/h	2100	2700	4000
Weight (net/gross)	kg	35.5 / 38.5	49.5 / 53.0	67.0 / 73.5
Dimensions (WxDxH)	mm	800×333×554	845×363×702	946×410×810
Voltage/Hz/Ph			220-240V / 50HZ / 1PH	

Note

* Sound data @ cooling mode

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

* Preliminary Data

THREE PHASE

INDOOR UNIT		42QZL036R8S	42QZL048R8S	42QZL060R8S
OUTDOOR UNIT		38QUS036R8T	38QUS048R8T	38QUS060R8T
Cooling capacity	kW	10.50(3.90-11.20)	14.00(4.90-15.10)	15.40(5.20-17.00)
Heating capacity	kW	10.80(2.80-13.90)	15.60(3.80-18.00)	18.00(4.30-19.60)
Heating capacity at -7°C	kW	9,70	11,10	11,50
Heating capacity at -10°C	kW	8,30	10,50	11,10
Heating capacity at -15°C	kW	8,20	8,60	9,90
SEER/SCOP (average)/SCOP (warmer)	W/W	6.5 / 4.0 / 5.1	6.1 / 4.0 / 4.8	6.1 / 4.0 / 5.1
Energy label		A++ / A+ / A+++	A++ / A+ / A++	A++ / A+ / A+++
Yearly energy consumption	kWh	565 / 3045 / 2471	803 / 3885 / 3529	884 / 4130 / 3376
EER/COP	W/W	2.80 / 3.65	2.55 / 2.85	2.55 / 2.95
Standard current (cooling)	A	6,7	9,1	10,1
Standard input (cooling)	W	4000	5500	6050
Standard current (heating)	A	5,1	8,2	10,2
Standard input (heating)	W	2950	5030	6100

INDOOR UNIT		42QZL036R8S	42QZL048R8S	42QZL060R8S
Sound power level	dB(A)	63	66	68
Sound pressure level (high/med/low)	dB(A)	50 / 46 / 42	52 / 48 / 43	54 / 47 / 43
Air flow (high/med/low)	m³/h	2160 / 1840 / 1430	2330 / 1930 / 1420	2450 / 1830 / 1430
Weight (net/gross)	kg	41.2 / 47.6	41.2 / 47.6	41.4 / 47.8
Dimensions (WxDxH)	mm	1650×675×235	1650×675×235	1650×675×235

OUTDOOR UNIT		38QUS036R8T	38QUS048R8T	38QUS060R8T
Temp range cooling	°C		-15-50	
Temp range heating	°C		-15-24	
Refrigerant amount	kg	2,4	2,8	2,95
Liquid side/Gas side	inn	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
Sound power level	dB(A)	69	75	77
Sound pressure level	dB(A)	64	66	66
Air flow	m³/h	4000	7500	7500
Weight (net/gross)	kg	81.5 / 87.0	107.0 / 120.0	112.0 / 125.0
Dimensions (WxDxH)	mm	946×410×810	952×415×1333	952×415×1333
Voltage/Hz/Ph			380-415V / 50HZ / 3PH	

Note

* Sound data @ cooling mode

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

* Preliminary Data

Basic Features

	Auto Leak Detection	●	TURBO Turbo Mode	●		Cold Draft Prevention	●	
	Auto Defrost	●		Sleep Mode	●		Electrical Voltage Protection (168 To 264V)	●
	Auto Swing	●		Dry Mode	●		Bright LCD Screen Remote Control	●
	Auto Restart	●		"My" Mode	●		Wired Control	○
	Timer	●		Louver Position Memory				