

Specification of LC 9K

SYSTEM		Cassette 9K	Console 9K
Cooling capacity	kW	2.64 (0.9~3.7)	2.64 (0.9~3.2)
Heating capacity	kW	3.00 (0.8~3.8)	2.90 (0.8~3.7)
Heating capacity at -7℃	kW	2.7	2.7
Heating capacity at -10℃	kW	2.6	2.4
Heating capacity at -15℃	kW	2.2	2.1
P design capacity cooling	kW	2.64	2.64
P design capacity heating(average)	kW	2.40	2.30
P design capacity heating(warmer)	kW	2.60	2.50
SEER / SCOP(average) / SCOP(warmer)	W/W	6.2 / 4.0 / 5.1	6.1 / 4.0 / 5.1
Energy label		A++ / A+ / A+++	A++ / A+ / A+++
Yearly energy consumption	kWh	149/837/714	151/805/686
EER/COP	W/W	3.5/3.7	3.1/3.4
Standard current (cooling)	A	3.4	3.9
Standard input (cooling)	W	740	840
Standard current (heating)	A	3.6	3.8
Standard input (heating)	W	820	860

OUTDOOR UNIT		38QUS009DS-1
Temp range cooling	℃	-10~46
Temp range heating	℃	-15~24
Voltage / Hz / Ph		220-240V / 50Hz / 1Ph
Rated current	A	10
Rated input	W	2300
Refrigerant amount	kg	0.72
Compressor model		ASN98D22UFZ
Refrigerant oil / oil quantity	ml	ESTER OIL VG74 / 370
Liquid side/ Gas side	mm(inch)	Φ6.35/Φ9.52 (1/4"/3/8")
Standard piping length	m	5
Min piping length	m	3
Max piping length	m	25
Max difference	m	10
Additional charge	g/m	15
Sound power level	dB(A)	64
Sound pressure level	dB(A)	54
Airflow	m ³ /h	1900
Weight (Net/Gross)	kg	26.0/29.0
Dimensions (WxDxH)	mm	770×300×555
Packing (WxDxH)	mm	900×348×615

INDOOR UNIT		42QTD009DS-1	42QZA009DS-1
Indoor fan motor input	W	45	67
Indoor fan motor max current	A	0.40	0.60
Sound power level	dB(A)	58	60
Sound pressure level (high/med/low)	dB(A)	42/39/36	43/39/34
Air flow (high/med/low)	m ³ /h	560/430/390	460/400/360
Weight (Net/Gross)(Body)	kg	15.0/18.0	13.5/18.0
Weight (Net/Gross)(Panel)	kg	2.5/4.5	/
Dimensions (WxDxH)(Body)	mm	570x570x260	700x600x210
Packing (WxDxH)(Body)	mm	655x655x290	810x710x305
Dimensions (WxDxH)(Panel)	mm	647x647x50	/
Packing (WxDxH)(Panel)	mm	715x715x123	/

Note

* Sound data @ cooling mode

*-7℃/-10℃/-15℃ heating @ free frequency

Specification of LC 12K

SYSTEM		Cassette 12K	Console 12K	Ducted 12K
Cooling capacity	kW	3.52 (1.4~3.9)	3.52 (1.0~3.5)	3.52 (1.4~3.9)
Heating capacity	kW	4.00 (1.2~4.2)	3.70 (1.0~4.0)	3.80 (1.2~4.2)
Heating capacity at -7℃	kW	2.7	2.8	2.5
Heating capacity at -10℃	kW	2.7	2.6	2.2
Heating capacity at -15℃	kW	2.4	2.4	2.0
P design capacity cooling	kW	3.52	3.52	3.52
P design capacity heating(average)	kW	2.94	2.91	2.83
P design capacity heating(warmer)	kW	3.50	3.60	3.44
SEER / SCOP(average) / SCOP(warmer)	W/W	6.2 / 4.1 / 5.1	5.9 / 4.0 / 4.7	6.1 / 4.0 / 5.1
Energy label		A++ / A+ / A+++	A+ / A+ / A++	A++ / A+ / A+++
Yearly energy consumption	kWh	199/1002/960	207/1016/1072	202/985/941
EER/COP	W/W	3.1/3.6	3.0/3.5	2.8/3.2
Standard current (cooling)	A	5.0	5.0	5.5
Standard input (cooling)	W	1140	1140	1250
Standard current (heating)	A	4.7	4.7	5.2
Standard input (heating)	W	1080	1060	1190

OUTDOOR UNIT		38QUS012DS-1
Temp range cooling	℃	-10~46
Temp range heating	℃	-15~24
Voltage / Hz / Ph		220-240V / 50Hz / 1Ph
Rated current	A	10
Rated input	W	2300
Refrigerant amount	kg	1.05
Compressor model		ASN98D22UFZ
Refrigerant oil / oil quantity	ml	ESTER OIL VG74 / 370
Liquid side/ Gas side	mm(inch)	Φ6.35/Φ9.52 (1/4"/3/8")
Standard piping length	m	5
Min piping length	m	3
Max piping length	m	25
Max difference	m	10
Additional charge	g/m	15
Sound power level	dB(A)	65
Sound pressure level	dB(A)	56
Airflow	m ³ /h	2100
Weight (Net/Gross)	kg	28.5 / 31.5
Dimensions (WxDxH)	mm	800×333×554
Packing (WxDxH)	mm	920×390×615

INDOOR UNIT		42QTD012DS-1	42QZA012DS-1	42QSS012DS-1
Indoor fan motor input	W	45	67	100
Indoor fan motor max current	A	0.40	0.60	0.93
Sound power level	dB(A)	59	60	60
Sound pressure level (high/med/low)	dB(A)	42/39/36	45/43/38	42/38/35
Air flow (high/med/low)	m ³ /h	560/430/390	530/480/360	540/500/370
External static pressure	Pa	0	0	0~40
Weight (Net/Gross)(Body)	kg	16.5/19.0	15.0/19.5	18.5/23.0
Weight (Net/Gross)(Panel)	kg	2.5/4.5	/	/
Dimensions (WxDxH)(Body)	mm	570x570x260	700x600x210	700x635x210
Packing (WxDxH)(Body)	mm	655x655x290	810x710x305	915x655x290
Dimensions (WxDxH)(Panel)	mm	647x647x50	/	/
Packing (WxDxH)(Panel)	mm	715x715x123	/	/

Note

* Sound data @ cooling mode

*-7℃/-10℃/-15℃ heating @ free frequency

Specification of LC 18K

SYSTEM		Cassette 18K	Console 18K	Under-ceiling 18K	Ducted 18K
Cooling capacity	kW	5.00 (2.0~5.5)	4.40 (2.0~4.6)	5.00 (2.0~5.5)	5.00 (2.0~5.5)
Heating capacity	kW	5.50 (2.0~6.0)	5.40 (2.0~5.5)	5.50 (2.0~6.0)	5.40 (2.0~6.0)
Heating capacity at -7℃	kW	3.9	3.3	4.3	4.0
Heating capacity at -10℃	kW	3.9	3.3	3.9	3.6
Heating capacity at -15℃	kW	2.2	2.2	3.2	2.5
P design capacity cooling	kW	5.00	4.40	5.00	5.00
P design capacity heating(average)	kW	3.90	3.00	4.32	4.20
P design capacity heating(warmer)	kW	4.90	4.10	5.35	5.34
SEER / SCOP(average) / SCOP(warmer)	W/W	6.0 / 4.0 / 5.1	6.1 / 4.0 / 5.1	5.9 / 4.1 / 5.1	6.3 / 4.0 / 5.1
Energy label		A+ / A+ / A+++	A++ / A+ / A+++	A+ / A+ / A+++	A++ / A+ / A+++
Yearly energy consumption	kWh	293/1365/1345	252/1048/1124	298/1470/1466	277/1468/1465
EER/COP	W/W	2.8/3.1	2.7/2.8	2.8/4.0	2.8/3.6
Standard current (cooling)	A	8.1	7.8	7.8	7.7
Standard input (cooling)	W	1800	1600	1720	1680
Standard current (heating)	A	7.5	8.2	6.1	6.6
Standard input (heating)	W	1700	1760	1360	1500

OUTDOOR UNIT		38QUS018DS-1			
Temp range cooling	℃	-10~46			
Temp range heating	℃	-15~24			
Voltage / Hz / Ph		220-240V / 50Hz / 1Ph			
Rated current	A	11			
Rated input	W	2530			
Refrigerant amount	kg	1.7			
Compressor model		ASM135D23UFZ			
Refrigerant oil / oil quantity	ml	ESTER OIL VG74 / 450			
Liquid side/ Gas side	mm(inch)	Φ6.35/Φ12.7 (1/4"/1/2")			
Standard piping length	m	5			
Min piping length	m	3			
Max piping length	m	30			
Max difference	m	20			
Additional charge	g/m	15			
Sound power level	dB(A)	65			
Sound pressure level	dB(A)	57			
Airflow	m ³ /h	2100			
Weight (Net/Gross)	kg	38.0/40.5			
Dimensions (WxDxH)	mm	800×333×554			
Packing (WxDxH)	mm	920×390×615			

INDOOR UNIT		42QTD018DS-1	42QZA018DS-1	42QZL018DS-1	42QSS018DS-1
Indoor fan motor input	W	45	67	100	90
Indoor fan motor max current	A	0.40	0.60	0.93	0.75
Sound power level	dB(A)	60	60	58	60
Sound pressure level (high/med/low)	dB(A)	45/42/36	46/44/42	45/42/39	42/40/38
Air flow (high/med/low)	m ³ /h	650/530/370	530/470/430	900/790/670	790/660/490
External static pressure	Pa	0	0	0	0~80
Weight (Net/Gross)(Body)	kg	16.5/19.0	15.0/19.5	27.0/32.0	23.0/29.0
Weight (Net/Gross)(Panel)	kg	2.5/4.5	/	/	/
Dimensions (WxDxH)(Body)	mm	570x570x260	700x600x210	1068x675x235	880x674x210
Packing (WxDxH)(Body)	mm	655x655x290	810x710x305	1145x755x313	1070x725x270
Dimensions (WxDxH)(Panel)	mm	647x647x50	/	/	/
Packing (WxDxH)(Panel)	mm	715x715x123	/	/	/

Note

* Sound data @ cooling mode

*-7℃/-10℃/-15℃ heating @ free frequency

Specification of LC 24K

SYSTEM		Cassette 24K	Under-ceiling 24K	Ducted 24K
Cooling capacity	kW	7.03 (2.5~8.0)	7.03 (2.5~8.0)	7.03 (2.5~7.7)
Heating capacity	kW	7.03 (2.5~8.5)	7.30 (2.5~8.5)	7.40 (2.4~8.7)
Heating capacity at -7°C	kW	5.4	5.3	5.3
Heating capacity at -10°C	kW	5	5.5	4.7
Heating capacity at -15°C	kW	3.7	4.9	3.5
P design capacity cooling	kW	7.03	7.03	7.03
P design capacity heating(average)	kW	5.54	5.20	5.20
P design capacity heating(warmer)	kW	7.80	7.80	7.50
SEER / SCOP(average) / SCOP(warmer)	W/W	6.1 / 4.0 / 4.8	5.8 / 4.0 / 4.6	6.1 / 4.0 / 5.1
Energy label		A++ / A+ / A++	A+ / A+ / A++	A++ / A+ / A+++
Yearly energy consumption	kWh	403/1937/2277	424/1820/2373	401/1820/2058
EER/COP	W/W	3.0/3.2	2.9/3.3	3.1/3.4
Standard current (cooling)	A	10.5	11.0	9.7
Standard input (cooling)	W	2400	2430	2300
Standard current (heating)	A	9.6	9.6	9.5
Standard input (heating)	W	2180	2180	2150

OUTDOOR UNIT		38QUS024DS-1
Temp range cooling	°C	-10~46
Temp range heating	°C	-15~24
Voltage / Hz / Ph		220-240V / 50Hz / 1Ph
Rated current	A	16
Rated input	W	3680
Refrigerant amount	kg	2.05
Compressor model		ATF235D22UMT
Refrigerant oil / oil quantity	ml	ESTER OIL VG74 / 670
Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9(3/8"/5/8")
Standard piping length	m	5
Min piping length	m	3
Max piping length	m	40
Max difference	m	20
Additional charge	g/m	30
Sound power level	dB(A)	69
Sound pressure level	dB(A)	61
Airflow	m ³ /h	2700
Weight (Net/Gross)	kg	50/54.5
Dimensions (WxDxH)	mm	845×363×702
Packing (WxDxH)	mm	965×395×765

INDOOR UNIT		42QTD024DS-1	42QZL024DS-1	42QSS024DS-1
Indoor fan motor input	W	141	100	90
Indoor fan motor max current	A	1.20	0.93	0.75
Sound power level	dB(A)	61	65	61
Sound pressure level (high/med/low)	dB(A)	49/46/43	50/47/41	43/40/38
Air flow (high/med/low)	m ³ /h	1350/1200/1070	1150/1040/790	1120/900/420
External static pressure	Pa	0	0	0~100
Weight (Net/Gross)(Body)	kg	24.5/30.0	27.0/32.0	30.2/37.3
Weight (Net/Gross)(Panel)	kg	5 / 8	/	/
Dimensions (WxDxH)(Body)	mm	840x840x245	1068x675x235	1100x774x249
Packing (WxDxH)(Body)	mm	900x900x265	1145x755x313	1305x805x305
Dimensions (WxDxH)(Panel)	mm	950x950x55	/	/
Packing (WxDxH)(Panel)	mm	1035x1035x90	/	/

Note

* Sound data @ cooling mode

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

Specification of LC 30K

SYSTEM		Cassette 30K	Under-ceiling 30K	Ducted 30K
Cooling capacity	kW	8.40 (2.1~10.5)	8.40 (2.1~10.5)	8.70 (2.1~10.5)
Heating capacity	kW	9.10 (2.1~10.5)	9.00 (2.1~10.8)	9.30 (2.1~10.8)
Heating capacity at -7℃	kW	6.6	6.5	7
Heating capacity at -10℃	kW	6.1	6.2	6.6
Heating capacity at -15℃	kW	5.5	5.7	6
P design capacity cooling	kW	8.40	8.40	8.70
P design capacity heating(average)	kW	7.00	7.91	7.23
P design capacity heating(warmer)	kW	7.20	7.80	7.00
SEER/SCOP(average)/SCOP(warmer)	W/W	6.4 / 4.0 / 5.2	6.3 / 4.0 / 5.2	6.5 / 4.0 / 4.8
Energy label		A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++
Yearly energy consumption	kWh	459/2453/1950	469/2769/2108	469/2532/2040
EER/COP	W/W	3.0/3.8	2.8/3.6	3.0/3.7
Standard current (cooling)	A	12.4	13.5	13.1
Standard input (cooling)	W	2780	2970	2860
Standard current (heating)	A	10.6	11.3	11.6
Standard input (heating)	W	2300	2480	2490

OUTDOOR UNIT		38QUS030DS-1
Temp range cooling	℃	-10~46
Temp range heating	℃	-15~24
Voltage / Hz / Ph		220-240V / 50Hz / 1Ph
Rated current	A	19
Rated input	W	3400
Refrigerant amount	kg	2.80
Compressor model		ATF235D22UMT
Refrigerant oil / oil quantity	ml	ESTER OIL VG74 / 670
Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9 (3/8"/5/8")
Standard piping length	m	5
Min piping length	m	3
Max piping length	m	50
Max difference	m	25
Additional charge	g/m	30
Sound power level	dB(A)	70
Sound pressure level	dB(A)	62
Airflow	m ³ /h	4300
Weight (Net/Gross)	kg	62.9/68.5
Dimensions (WxDxH)	mm	946x410x810
Packing (WxDxH)	mm	1090x500x875

INDOOR UNIT		42QTD030DS-1	42QZL030DS-1	42QSS030DS-1
Indoor fan motor input	W	141	130	250
Indoor fan motor max current	A	1.20	1.06	1.52
Sound power level	dB(A)	65	65	65
Sound pressure level (high/med/low)	dB(A)	50/48/44	54/49/44	47/45/42
Air flow (high/med/low)	m ³ /h	1390/1110/750	1650/1450/1250	1900/1560/1205
External static pressure	Pa	0	0	0~120
Weight (Net/Gross)(Body)	kg	26.5/30.5	31/36.5	40.5/48.5
Weight (Net/Gross)(Panel)	kg	5 / 8	/	/
Dimensions (WxDxH)(Body)	mm	840x840x245	1285x675x235	1360x774x249
Packing (WxDxH)(Body)	mm	900x900x265	1360x755x313	1570x805x305
Dimensions (WxDxH)(Panel)	mm	950x950x55	/	/
Packing (WxDxH)(Panel)	mm	1035x1035x90	/	/

Note

* Sound data @ cooling mode

* -7℃/-10℃/-15℃ heating @ free frequency

Specification of LC 36K (single phase)

SYSTEM		Cassette 36K	Under-ceiling 36K	Ducted 36K
Cooling capacity	kW	10.2 (4.5~11.0)	10.4 (4.4~11.0)	10.2 (3.7~11.0)
Heating capacity	kW	11.3 (3.7~13.7)	11.9 (3.7~13.8)	12.7 (3.0~14.0)
Heating capacity at -7℃	kW	9.7	9.8	10.3
Heating capacity at -10℃	kW	8.3	8.4	9.6
Heating capacity at -15℃	kW	8.2	8.2	8.3
P design capacity cooling	kW	10.2	10.4	10.2
P design capacity heating(average)	kW	9.3	10.2	10.3
P design capacity heating(warmer)	kW	10.3	10.6	10.6
SEER/SCOP(average)/SCOP(warmer)	W/W	6.0 / 4.0 / 5.0	6.3 / 4.0 / 5.1	6.2 / 4.0 / 5.1
Energy label		A+ / A+ / A++	A++ / A+ / A+++	A++ / A+ / A+++
Yearly energy consumption	kWh	588/3244/2894	576/3561/2922	574/3598/2888
EER/COP	W/W	2.7/3.4	2.6/3.7	2.6/3.7
Standard current (cooling)	A	16.6	17.1	17.4
Standard input (cooling)	W	3750	3970	3890
Standard current (heating)	A	15.2	14.0	15.7
Standard input (heating)	W	3300	3200	3410

OUTDOOR UNIT		38QUS036DS-1
Temp range cooling	℃	-10~46
Temp range heating	℃	-15~24
Voltage / Hz / Ph		220-240V / 50Hz / 1Ph
Rated current	A	23
Rated input	W	4800
Refrigerant amount	kg	3.65
Compressor model		ATF310D43UMT
Refrigerant oil / oil quantity	ml	ESTER OIL VG74 / 1000
Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9 (3/8"/5/8")
Standard piping length	m	5
Min piping length	m	3
Max piping length	m	50
Max difference	m	25
Additional charge	g/m	30
Sound power level	dB(A)	70
Sound pressure level	dB(A)	64
Airflow	m ³ /h	4150
Weight (Net/Gross)	kg	70.5/76.1
Dimensions (WxDxH)	mm	946x410x810
Packing (WxDxH)	mm	1090x500x875

INDOOR UNIT		42QTD036DS-1	42QZL036DS-1	42QSS036DS-1
Indoor fan motor input	W	141	192	250
Indoor fan motor max current	A	1.20	1.66	1.52
Sound power level	dB(A)	65	65	65
Sound pressure level (high/med/low)	dB(A)	53/51/48	55/51/46	47/45/42
Air flow (high/med/low)	m ³ /h	1800/1600/1400	2000/1700/1350	1900/1550/1200
External static pressure	Pa	0	0	0~120
Weight (Net/Gross)(Body)	kg	27.5/31.5	38/44	40.5/48.5
Weight (Net/Gross)(Panel)	kg	5 / 8	/	/
Dimensions (WxDxH)(Body)	mm	840x840x245	1650x675x235	1360x774x249
Packing (WxDxH)(Body)	mm	900x900x265	1725x755x313	1570x805x305
Dimensions (WxDxH)(Panel)	mm	950x950x55	/	/
Packing (WxDxH)(Panel)	mm	1035x1035x90	/	/

Note

* Sound data @ cooling mode

*-7℃/-10℃/-15℃ heating @ free frequency

Specification of LC 36K (3 phase)

SYSTEM		Cassette 36K	Under-ceiling 36K	Ducted 36K
Cooling capacity	kW	10.2 (3.8~11.5)	10.4 (4.0~11.4)	10.2 (3.6~11.0)
Heating capacity	kW	11.3 (2.9~13.8)	11.9 (2.9~14.5)	12.7 (2.7~13.5)
Heating capacity at -7℃	kW	9.6	9.7	9.9
Heating capacity at -10℃	kW	8.2	8.3	9.1
Heating capacity at -15℃	kW	8.1	8.2	8.1
P design capacity cooling	kW	10.2	10.4	10.2
P design capacity heating(average)	kW	9.6	10.3	10.0
P design capacity heating(warmer)	kW	10.2	10.4	10.3
SEER/SCOP(average)/SCOP(warmer)	W/W	5.9 / 4.0 / 5.0	6.3 / 4.0 / 5.1	6.2 / 4.0 / 5.0
Energy label		A+ / A+ / A++	A++ / A+ / A+++	A++ / A+ / A++
Yearly energy consumption	kWh	610/3360/2885	575/3599/2874	577/3481/2912
EER/COP	W/W	2.6/3.4	2.8/3.7	2.6/3.7
Standard current (cooling)	A	6.0	6.0	6.2
Standard input (cooling)	W	3890	3680	3890
Standard current (heating)	A	5.3	5.3	5.3
Standard input (heating)	W	3300	3200	3390

OUTDOOR UNIT		38QUS036DT-1
Temp range cooling	℃	-10~46
Temp range heating	℃	-15~24
Voltage / Hz / Ph		380~415V / 50Hz / 3Ph
Rated current	A	12
Rated input	W	4800
Refrigerant amount	kg	3.65
Compressor model		ATF310D43UMT
Refrigerant oil / oil quantity	ml	ESTER OIL VG74 / 1000
Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9 (3/8"/5/8")
Standard piping length	m	5
Min piping length	m	3
Max piping length	m	50
Max difference	m	25
Additional charge	g/m	30
Sound power level	dB(A)	70
Sound pressure level	dB(A)	64
Airflow	m ³ /h	4150
Weight (Net/Gross)	kg	85.3/91
Dimensions (WxDxH)	mm	946x410x810
Packing (WxDxH)	mm	1090x500x875

INDOOR UNIT		42QTD036DS-1	42QZL036DS-1	42QSS036DS-1
Indoor fan motor input	W	141	192	250
Indoor fan motor max current	A	1.20	1.66	1.52
Sound power level	dB(A)	65	65	65
Sound pressure level (high/med/low)	dB(A)	53/51/48	55/51/46	47/45/43
Air flow (high/med/low)	m ³ /h	1800/1600/1400	2000/1700/1350	1900/1550/1200
External static pressure	Pa	0	0	0~120
Weight (Net/Gross)(Body)	kg	27.5/31.5	38/44	40.5/48.5
Weight (Net/Gross)(Panel)	kg	5 / 8	/	/
Dimensions (WxDxH)(Body)	mm	840x840x245	1650x675x235	1360x774x249
Packing (WxDxH)(Body)	mm	900x900x265	1725x755x313	1570x805x305
Dimensions (WxDxH)(Panel)	mm	950x950x55	/	/
Packing (WxDxH)(Panel)	mm	1035x1035x90	/	/

Note

* Sound data @ cooling mode

*-7℃/-10℃/-15℃ heating @ free frequency

Specification of LC 48K (single phase)

SYSTEM		Cassette 48K	Under-ceiling 48K	Ducted 48K
Cooling capacity	kW	13.4 (4.8~14.0)	13.6 (4.8~14.0)	13.7 (5.1~14.4)
Heating capacity	kW	15.5 (5.4~16.0)	15.5 (5.4~16.0)	15.4 (4.4~16.4)
Heating capacity at -7℃	kW	10.4	11.3	10.8
Heating capacity at -10℃	kW	9.9	10.8	10.3
Heating capacity at -15℃	kW	8.4	9.4	8.9
P design capacity cooling	kW	13.4	13.6	13.7
P design capacity heating(average)	kW	10.7	10.6	10.3
P design capacity heating(warmer)	kW	11.8	11.9	11.6
SEER/SCOP(average)/SCOP(warmer)	W/W	5.5 / 4.0 / 5.0	5.9 / 4.0 / 5.3	5.8 / 4.0 / 4.9
Energy label		A / A+ / A++	A+ / A+ / A+++	A+ / A+ / A++
Yearly energy consumption	kWh	852/3756/3323	810/3718/3167	826/3597/3337
EER/COP	W/W	2.4/2.9	2.4/2.9	2.7/3.5
Standard current (cooling)	A	24.1	24.4	22.3
Standard input (cooling)	W	5530	5620	5070
Standard current (heating)	A	23.1	23.4	19.5
Standard input (heating)	W	5300	5300	4400

OUTDOOR UNIT		38QUS048DS-1
Temp range cooling	℃	-10~46
Temp range heating	℃	-15~24
Voltage / Hz / Ph		220-240V / 50Hz / 1Ph
Rated current	A	26.5
Rated input	W	6100
Refrigerant amount	kg	4.00
Compressor model		ATQ420D1UMU
Refrigerant oil / oil quantity	ml	ESTER OIL VG74 / 1400
Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9 (3/8"/5/8")
Standard piping length	m	5
Min piping length	m	3
Max piping length	m	50
Max difference	m	25
Additional charge	g/m	30
Sound power level	dB(A)	75
Sound pressure level	dB(A)	64
Airflow	m ³ /h	6800
Weight (Net/Gross)	kg	95.1/108.4
Dimensions (WxDxH)	mm	952x415x1333
Packing (WxDxH)	mm	1095x495x1480

INDOOR UNIT		42QTD048DS-1	42QZL048DS-1	42QSS048DS-1
Indoor fan motor input	W	141	192	240
Indoor fan motor max current	A	1.20	1.66	1.90
Sound power level	dB(A)	67	69	71
Sound pressure level (high/med/low)	dB(A)	51/49/47	55/51/46	53/51/49
Air flow (high/med/low)	m ³ /h	1900/1600/1330	2100/1700/1500	2400/2050/1750
External static pressure	Pa	0	0	0~160
Weight (Net/Gross)(Body)	kg	28/32.1	38.2/44.6	46/55
Weight (Net/Gross)(Panel)	kg	5 / 8	/	/
Dimensions (WxDxH)(Body)	mm	840x840x287	1650x675x235	1200x874x300
Packing (WxDxH)(Body)	mm	900x900x292	1725x755x313	1405x915x355
Dimensions (WxDxH)(Panel)	mm	950x950x55	/	/
Packing (WxDxH)(Panel)	mm	1035x1035x90	/	/

Note

* Sound data @ cooling mode

*-7℃/-10℃/-15℃ heating @ free frequency

Specification of LC 48K (3 phase)

SYSTEM		Cassette 48K	Under-ceiling 48K	Ducted 48K
Cooling capacity	kW	13.4 (4.8~14.0)	13.6 (4.8~14.0)	13.7 (4.9~14.2)
Heating capacity	kW	15.5 (5.4~16.0)	15.5 (5.4~16.0)	15.4 (4.7~16.9)
Heating capacity at -7℃	kW	10.5	11.1	11.6
Heating capacity at -10℃	kW	10	10.5	10.7
Heating capacity at -15℃	kW	8.5	8.6	9.1
P design capacity cooling	kW	13.4	13.6	13.7
P design capacity heating(average)	kW	11.0	11.3	11.5
P design capacity heating(warmer)	kW	11.8	12.1	12.4
SEER/SCOP(average)/SCOP(warmer)	W/W	5.6 / 4.0 / 5.1	5.8 / 4.0 / 5.3	5.9 / 4.0 / 5.4
Energy label		A+ / A+ / A+++	A+ / A+ / A+++	A+ / A+ / A+++
Yearly energy consumption	kWh	834/3847/3231	815/3954/3179	813/4030/3206
EER/COP	W/W	2.5/3.0	2.4/3.0	2.6/3.7
Standard current (cooling)	A	8.9	9.3	8.4
Standard input (cooling)	W	5310	5620	5230
Standard current (heating)	A	8.5	8.6	6.9
Standard input (heating)	W	5130	5130	4240

OUTDOOR UNIT		38QUS048DT-1
Temp range cooling	℃	-10~46
Temp range heating	℃	-15~24
Voltage / Hz / Ph		380~415V / 50Hz / 3Ph
Rated current	A	13
Rated input	W	6100
Refrigerant amount	kg	4.00
Compressor model		ATQ420D1UMU
Refrigerant oil / oil quantity	ml	ESTER OIL VG74 / 1400
Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9 (3/8"/5/8")
Standard piping length	m	5
Min piping length	m	3
Max piping length	m	50
Max difference	m	25
Additional charge	g/m	30
Sound power level	dB(A)	75
Sound pressure level	dB(A)	64
Airflow	m ³ /h	6800
Weight (Net/Gross)	kg	108.1/121.2
Dimensions (WxDxH)	mm	952x415x1333
Packing (WxDxH)	mm	1095x495x1480

INDOOR UNIT		42QTD048DS-1	42QZL048DS-1	42QSS048DS-1
Indoor fan motor input	W	141	192	240
Indoor fan motor max current	A	1.20	1.66	1.90
Sound power level	dB(A)	67	69	71
Sound pressure level (high/med/low)	dB(A)	51/49/47	55/51/46	53/51/49
Air flow (high/med/low)	m ³ /h	1900/1600/1330	2100/1700/1500	2400/2050/1750
External static pressure	Pa	0	0	0~160
Weight (Net/Gross)(Body)	kg	28/32.1	38.2/44.6	46/55
Weight (Net/Gross)(Panel)	kg	5 / 8	/	/
Dimensions (WxDxH)(Body)	mm	840x840x287	1650x675x235	1200x874x300
Packing (WxDxH)(Body)	mm	900x900x292	1725x755x313	1405x915x355
Dimensions (WxDxH)(Panel)	mm	950x950x55	/	/
Packing (WxDxH)(Panel)	mm	1035x1035x90	/	/

Note

* Sound data @ cooling mode

*-7℃/-10℃/-15℃ heating @ free frequency

Specification of LC 60K (3 phase)

SYSTEM		Cassette 60K	Under-ceiling 60K	Ducted 60K
Cooling capacity	kW	15.1 (5.0~16.0)	15.5 (5.4~16.0)	15.4 (5.2~16.0)
Heating capacity	kW	18.0 (3.9~18.2)	17.5 (4.3~18.5)	17.6 (4.8~18.8)
Heating capacity at -7℃	kW	12.2	11.5	12.6
Heating capacity at -10℃	kW	11.9	11.1	11.8
Heating capacity at -15℃	kW	9.8	9.9	10.2
P design capacity cooling	kW	15.1	15.5	15.4
P design capacity heating(average)	kW	11.2	11.8	12.0
P design capacity heating(warmer)	kW	12.1	11.6	12.2
SEER/SCOP(average)/SCOP(warmer)	W/W	5.7 / 4.0 / 5.2	5.8 / 4.1 / 5.1	5.5 / 4.0 / 5.1
Energy label		A+ / A+ / A+++	A+ / A+ / A+++	A / A+ / A+++
Yearly energy consumption	kWh	929/3916/3225	938/4011/3173	963/4196/3328
EER/COP	W/W	2.4/3.1	2.5/3.1	2.3/3.4
Standard current (cooling)	A	10.6	10.5	11.0
Standard input (cooling)	W	6240	6150	6630
Standard current (heating)	A	9.5	9.4	8.6
Standard input (heating)	W	5760	5600	5140

OUTDOOR UNIT		38QUS060DT-1
Temp range cooling	℃	-10~46
Temp range heating	℃	-15~24
Voltage / Hz / Ph		380~415V / 50Hz / 3Ph
Rated current	A	14
Rated input	W	7500
Refrigerant amount	kg	4.30
Compressor model		ATQ420D1UMU
Refrigerant oil / oil quantity	ml	ESTER OIL VG74 / 1400
Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9 (3/8"/5/8")
Standard piping length	m	5
Min piping length	m	3
Max piping length	m	50
Max difference	m	25
Additional charge	g/m	30
Sound power level	dB(A)	77
Sound pressure level	dB(A)	64
Airflow	m ³ /h	7000
Weight (Net/Gross)	kg	112.8/126
Dimensions (WxDxH)	mm	952x415x1333
Packing (WxDxH)	mm	1095x495x1480

INDOOR UNIT		42QTD060DS-1	42QZL060DS-1	42QSS060DS-1
Indoor fan motor input	W	232	180	240
Indoor fan motor max current	A	1.92	1.50	1.9
Sound power level	dB(A)	70	73	76
Sound pressure level (high/med/low)	dB(A)	54/52/49	56/51/47	58/56/54
Air flow (high/med/low)	m ³ /h	2000/1780/1580	2250/1900/1500	2500/2100/1800
External static pressure	Pa	0	0	0~160
Weight (Net/Gross)(Body)	kg	31/34	40.5/47	46/55
Weight (Net/Gross)(Panel)	kg	5 / 8	/	/
Dimensions (WxDxH)(Body)	mm	840x840x287	1650x675x235	1200x874x300
Packing (WxDxH)(Body)	mm	900x900x292	1725x755x313	1405x915x355
Dimensions (WxDxH)(Panel)	mm	950x950x55	/	/
Packing (WxDxH)(Panel)	mm	1035x1035x90	/	/

Note

* Sound data @ cooling mode

*-7℃/-10℃/-15℃ heating @ free frequency