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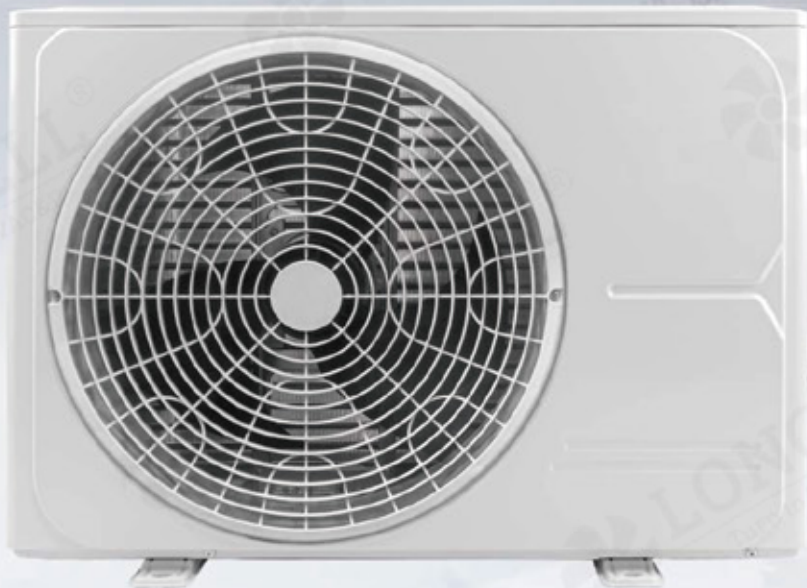
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***Longwell Technology
Ventilation Equipment***

—— **Household Air Conditioner**

Ningbo Longwell Electric Technology Co., Ltd



CATALOGUE

01-12 Wall-Mounted Air Conditioner

13-20 Floor Standing Air Conditioner

21-32 Cassette Unit

33-42 Ducted Unit

Wall-Mounted Air Conditioner

Professional HVAC Fan & Motors Manufacturer

Type Code

LW H A - C 35 - 01 A

A-Fixed-Speed
B-Inverter

Series Number

Compressor Capacity × 100

C-Cooling only H-Heating
CH-Cooling&Heating

A-Home-appliance Air Conditioning

H-Home Appliance

LW-Longwell



Air Conditioner Outdoor Unit

- *Heating performance*
- *Snow removal performance*
- *Heating performance Temperature stability*
- *Material weather resistance*
- *Reliability*



Environmentally
Friendly Refrigerant



Intelligent
Noise Reduction



Intelligent
DC Inverter



Intelligent
Defrosting



Strong Cooling



Comfort Heating



Strong and
Big Air Flow



Simple
Industrial Design

Air Conditioner Outdoor Unit

Features: Fast heating and cooling, high efficiency and energy saving, multiple silences, low temperature quick start. Configuration: Brand compressor, high-efficiency waterproof motor.

Panel No.1



Panel No.2



Panel No.4



Panel No.4



Air Conditioner Indoor Unit

Panel No.1



Panel No.2



Panel No.3



Panel No.4



Air Conditioner Indoor Unit

Panel No.5



Air Conditioner Indoor Unit

Panel No.7



Panel No.6



Panel No.8



Fixed-Speed Cooling Only Air Conditioner

Model			LWHA-C25-01A	LWHA-C32-01A	LWHA-C48-01A	LWHA-C65-01A
Rated power supply			1Ph/220-240V/50Hz	1Ph/220-240V/50Hz	1Ph/220-240V/50Hz	1Ph/220-240V/50Hz
Workable power supply			1Ph/185-260V/50Hz	1Ph/185-260V/50Hz	1Ph/185-260V/50Hz	1Ph/185-260V/50Hz
Cooling	Capacity(Btu/h)		9000	12000	18000	24000
	Capacity(W)		2500	3200	4800	6500
	Input(W)		900	1160	1690	2300
	Rated current(A)		4.1	5.3	7.8	10.7
	EER(W/W)		2.78	2.76	2.84	2.826086957
Heating	Capacity(Btu/h)		/	/	/	/
	Capacity(W)		/	/	/	/
	Input(W)		/	/	/	/
	Rated current(A)		/	/	/	/
	COP(W/W)		/	/	/	/
Max.input consumption(W)			1300	1750	2500	3000
Max.current(A)			5.8	7.9	11.6	13.9
Compressor		Type	Rotary	Rotary	Rotary	Rotary
Indoor unit	Indoor coil	Fin material	Golden& hydrophilic	Golden& hydrophilic	Golden& hydrophilic	Golden& hydrophilic
		Tube outside dia. and material	Φ7mm, inner Grooved	Φ7mm, inner Grooved	Φ7mm, inner Grooved	Φ7mm, inner Grooved
	Indoor air flow(Turbo/Hi/Mi/Lo)(m³/h)		500/450/370/320	500/450/370/320	850/750/650/580	1050/950/800/680
	Rated input power(cooling/heating)(W)		10	13	35	45
	Rated current(cooling/heating)(A)		0.2	0.2	0.35	0.4
	Moisture removal(kg/h)		0.8	1.1	2	2.6
	Noise level(Turbo/Hi/Mi/Lo)(dBA)		39/34/32/30	40/35/32/30	45/42/39/37	49/47/45/42
	Unit dimension(W×H×D)(mm)		695×275×190	780×275×190	910×295×205	1075×330×240
	Packing(W×H×D)(mm)		763×322×241	847×322×241	975×340×255	1146×412×318
	Net weight(kg)		6	6.5	9	14
Gross weight(kg)		8	8.5	11	18	
Outdoor unit	Outdoor coil	Fin material	Golden& hydrophilic	Golden& hydrophilic	Golden& hydrophilic	Golden& hydrophilic
		Tube outside dia. and material	Φ5mm, inner Grooved	Φ5mm, inner Grooved	Φ5mm, inner Grooved	Φ7mm, inner Grooved
	Noise level(dBA)		50	52	55	59
	Unit dimension(W×H×D)(mm)		610×295×495	710×295×495	730×305×550	780×350×600
	Packing(W×H×D)(mm)		704×324×530	818×328×530	835×340×580	896×387×625
	Net weight(kg)		18	22	29	35
	Gross weight(kg)		21	25	32	39
Refrigerant type		R410A	R410A	R410A	R410A	
Refrigerant pipe	Liquid side(mm)		Φ6	Φ6	Φ6	Φ6
	Gas side(mm)		Φ9	Φ9	Φ12	Φ12
	Max.refrigerant pipe length(m)		10	10	10	15
	Max.difference in level(m)		5	5	5	10
Operation temperature range			16°C~43°C	16°C~43°C	16°C~43°C	16°C~43°C
Ambient temperature range			16°C~48°C	16°C~48°C	16°C~48°C	16°C~48°C
Application area(MM2)			10~17	13~27	20~40	30~55
Sets per 40ft HQ/20ft			360/167	334/143	280/133	186/78

Fixed-Speed Heating & Cooling Air Conditioner

Model			LWHA-CH25-01A	LWHA-CH35-01A	LWHA-CH48-01A	LWHA-CH65-01A
Rated power supply			1Ph/220-240V/50Hz	1Ph/220-240V/50Hz	1Ph/220-240V/50Hz	1Ph/220-240V/50Hz
Workable power supply			1Ph/185-260V/50Hz	1Ph/185-260V/50Hz	1Ph/185-260V/50Hz	1Ph/185-260V/50Hz
Cooling	Capacity(Btu/h)		9000	12000	18000	24000
	Capacity(W)		2500	3200	4800	6500
	Input(W)		900	1160	1690	2300
	Rated current(A)		4.1	5.3	7.8	10.7
	EER(W/W)		2.78	2.76	2.84	2.83
Heating	Capacity(Btu/h)		9000	12000	18000	24000
	Capacity(W)		2500	3200	4800	6500
	Input(W)		900	1160	1690	2300
	Rated current(A)		4.1	5.3	7.8	10.7
	COP(W/W)		2.78	2.76	2.84	2.83
Max.input consumption(W)			1300	1750	2500	3000
Max.current(A)			5.8	7.9	11.6	13.9
Compressor	Type	Rotary	Rotary	Rotary	Rotary	
	Brand	GMCC, GREE	GMCC, GREE	GMCC, GREE	GMCC, GREE, HIGHLY	
Indoor unit	Indoor coil	Fin material	Golden& hydrophilic	Golden& hydrophilic	Golden& hydrophilic	Golden& hydrophilic
		Tube outside dia. and material	Φ7mm, inner Grooved	Φ7mm, inner Grooved	Φ7mm, inner Grooved	Φ7mm, inner Grooved
	Indoor air flow(Turbo/Hi/Mi/Lo)(m³/h)		500/450/370/320	500/450/370/320	850/750/650/580	1050/950/800/680
	Rated input power(cooling/heating)(W)		10	13	35	45
	Rated current(cooling/heating)(A)		0.2	0.2	0.35	0.4
	Moisture removal(kg/h)		0.8	1.1	2	2.6
	Noise level(Turbo/Hi/Mi/Lo)(dBA)		39/34/32/30	40/35/32/30	45/42/39/37	49/47/45/42
	Unit dimension(W×H×D)(mm)		695×275×190	780×275×190	910×295×205	1075×330×240
	Packing(W×H×D)(mm)		763×322×241	847×322×241	975×340×255	1146×412×318
	Net weight(kg)		6	6.5	9	14
	Gross weight(kg)		8	8.5	11	18
Outdoor unit	Outdoor coil	Fin material	Golden& hydrophilic	Golden& hydrophilic	Golden& hydrophilic	Golden& hydrophilic
		Tube outside dia. and material	Φ7mm, inner Grooved	Φ7mm, inner Grooved	Φ7mm, inner Grooved	Φ7mm, inner Grooved
	Noise level(dBA)		50	52	55	59
	Unit dimension(W×H×D)(mm)		610×295×495	710×295×495	730×305×550	780×350×600
	Packing(W×H×D)(mm)		704×324×530	818×328×530	835×340×580	896×387×625
	Net weight(kg)		19	23	30	37
	Gross weight(kg)		22	26	33	41
	Refrigerant type		R410A	R410A	R410A	R410A
Refrigerant pipe	Liquid side(mm)		Φ6	Φ6	Φ6	Φ6
	Gas side(mm)		Φ9	Φ9	Φ12	Φ12
	Max.refrigerant pipe length(m)		10	10	10	15
	Max.difference in level(m)		5	5	5	10
Operation temperature range			-7°C~43°C	-7°C~43°C	-7°C~43°C	-7°C~43°C
Ambient temperature range			-7°C~48°C	-7°C~48°C	-7°C~48°C	-7°C~48°C
Application area(MM2)			10~17	13~27	20~40	30~55
Sets per 40ft HQ/20ft			360/167	334/143	280/133	186/78

Inverter Cooling Only Air Conditioner

Model		LWHA-C25-01B	LWHA-C32-01B	LWHA-C48-01B	LWHA-C68-01B
Rated power supply		1Ph/220-240V/50Hz	1Ph/220-240V/50Hz	1Ph/220-240V/50Hz	1Ph/220-240V/50Hz
Workable power supply		1Ph/150-260V/50Hz	1Ph/150-260V/50Hz	1Ph/150-260V/50Hz	1Ph/150-260V/50Hz
Cooling	Capacity(Btu/h)	9000	12000	18000	24000
	Capacity(W)	2500(150-3000)	3200(150-3600)	4800(1250-5910)	6810(1830-7800)
	Input(W)	900(100-1200)	1180(75-1560)	1780(330-2340)	2350(410-2830)
	Rated current(A)	4.0(0.8-5.3)	5.3(0.5-6.9)	7.9(1.7-12)	10.5(2.3-12.3)
	EER(W/W)	2.78	2.71	2.7	2.9
Heating	Capacity(Btu/h)	/	/	/	/
	Capacity(W)	/	/	/	/
	Input(W)	/	/	/	/
	Rated current(A)	/	/	/	/
	COP(W/W)	/	/	/	/
Max.input consumption(W)		1600	1720	2520	3100
Max.current(A)		8.5	9	13	14.8
Compressor	Type	Rotary	Rotary	Rotary	Rotary
	Brand	GMCC, GREE	GMCC	HIGHLY	GMCC
Indoor coil	Fin material	Golden& hydrophilic	Golden& hydrophilic	Golden& hydrophilic	Golden& hydrophilic
	Tube outside dia. and material	Φ7mm, inner Grooved	Φ7mm, inner Grooved	Φ7mm, inner Grooved	Φ7mm, inner Grooved
Indoor unit	Indoor air flow(Turbo/Hi/Mi/Lo)(m³/h)	500/450/370/320	550/500/450/370	850/750/650/580	1050/950/800/680
	Rated input power(cooling/heating)(W)	30	30	35	45
	Rated current(cooling/heating)(A)	0.2	0.2	0.35	0.4
	Moisture removal(kg/h)	0.8	0.8	2	2.6
	Noise level(Turbo/Hi/Mi/Lo)(dBA)	39/34/32/30	42/39/36/33	45/42/39/37	49/47/45/42
	Unit dimension(W×H×D)(mm)	695×275×190	780×275×190	910×295×205	1030×360×248
	Packing(W×H×D)(mm)	763×322×241	847×322×241	975×340×255	1094×434×324
	Net weight(kg)	6	6.5	10	13
	Gross weight(kg)	8	8.5	12	16
Outdoor coil	Fin material	Golden& hydrophilic	Golden& hydrophilic	Golden& hydrophilic	Golden& hydrophilic
	Tube outside dia. and material	Φ5mm, inner Grooved	Φ5mm, inner Grooved	Φ7mm, inner Grooved	Φ5mm, inner Grooved
Outdoor unit	Noise level(dBA)	50	52	55	59
	Unit dimension(W×H×D)(mm)	610×295×495	710×295×495	760×305×550	780×350×600
	Packing(W×H×D)(mm)	704×324×530	818×328×530	869×339×588	896×387×625
	Net weight(kg)	17	19	24	30
	Gross weight(kg)	20	22	28	34
	Refrigerant type	R410A/340g	R410A/340g	R410A/770g	R410A/810g
	Liquid side(mm)	Φ6	Φ6	Φ6	Φ6
	Gas side(mm)	Φ9	Φ9	Φ12	Φ12
	Max.refrigerant pipe length(m)	10	10	10	15
	Max.difference in level(m)	5	5	5	10
Refrigerant pipe	Operation temperature range	16°C~43°C	16°C~43°C	16°C~43°C	16°C~43°C
	Ambient temperature range	16°C~48°C	16°C~48°C	16°C~48°C	16°C~48°C
	Application area(MM2)	10~17	13~27	20~40	30~55
	Sets per 40ft HQ/20ft	360/167	334/143	267/-	184/-

Inverter Heating & Cooling Air Conditioner

Model		LWHA-CH25-01B	LWHA-CH35-01B	LWHA-CH48-01B	LWHA-CH68-01B
Rated power supply		1Ph/220-240V/50Hz	1Ph/220-240V/50Hz	1Ph/220-240V/50Hz	1Ph/220-240V/50Hz
Workable power supply		1Ph/150-260V/50Hz	1Ph/150-260V/50Hz	1Ph/160-260V/50Hz	1Ph/160-260V/50Hz
Cooling	Capacity(Btu/h)	9000	12000	18000	24000
	Capacity(W)	2500(150-3000)	3200(150-3500)	4800(1250-5910)	6810(1830-7800)
	Input(W)	900(100-1200)	1280(75-1560)	1780(330-2340)	2350(410-2830)
	Rated current(A)	4.0(0.8-5.3)	5.7(0.5-6.9)	7.9(1.7-12)	10.5(2.3-12.3)
	EER(W/W)	2.78	2.5	2.7	2.9
Heating	Capacity(Btu/h)	9000	12000	18000	24000
	Capacity(W)	2800(150-3300)	3300(150-3700)	4800(1250-6070)	6870(1850-7900)
	Input(W)	960(75-1260)	1260(75-1580)	1670(340-2520)	2240(420-3000)
	Rated current(A)	4.3(0.5-5.6)	5.6(0.5-7)	7.5(1.7-13)	10(2.3-13.5)
	COP(W/W)	2.92	2.62	2.87	3.07
Max.input consumption(W)		1600	1720	2520	3100
Max.current(A)		8.5	9	13	14.8
Compressor	Type	Rotary	Rotary	Rotary	Rotary
	Brand	GMCC, GREE	GMCC	GMCC	GMCC
Indoor coil	Fin material	Golden& hydrophilic	Golden& hydrophilic	Golden& hydrophilic	Golden& hydrophilic
	Tube outside dia. and material	Φ7mm, inner Grooved	Φ7mm, inner Grooved	Φ7mm, inner Grooved	Φ7mm, inner Grooved
Indoor unit	Indoor air flow(Turbo/Hi/Mi/Lo)(m³/h)	500/450/370/320	550/500/450/370	850/750/650/580	1050/950/800/680
	Rated input power(cooling/heating)(W)	30	30	35	45
	Rated current(cooling/heating)(A)	0.2	0.2	0.35	0.4
	Moisture removal(kg/h)	0.8	0.8	2	2.6
	Noise level(Turbo/Hi/Mi/Lo)(dBA)	39/34/32/30	42/39/36/33	45/42/39/37	49/47/45/42
	Unit dimension(W×H×D)(mm)	610×295×495	780×275×190	910×295×205	1075×330×240
	Packing(W×H×D)(mm)	704×324×530	847×322×241	975×340×255	1146×412×318
	Net weight(kg)	6	7	10	14
	Gross weight(kg)	8	9	12	18
Outdoor coil	Fin material	Golden& hydrophilic	Golden& hydrophilic	Golden& hydrophilic	Golden& hydrophilic
	Tube outside dia. and material	Φ7mm, inner Grooved	Φ7mm, inner Grooved	Φ7mm, inner Grooved	Φ7mm, inner Grooved
Outdoor unit	Noise level(dBA)	50	52	55	59
	Unit dimension(W×H×D)(mm)	710×295×495	710×295×495	760×305×550	780×350×600
	Packing(W×H×D)(mm)	818×328×530	818×328×530	869×339×588	896×387×625
	Net weight(kg)	20	21	24	30
	Gross weight(kg)	23	24	28	34
	Refrigerant type	R410A/520g	R410A/560g	R410A/770g	R410A/1070g
	Liquid side(mm)	Φ6	Φ6	Φ6	Φ6
	Gas side(mm)	Φ9	Φ9	Φ12	Φ15.88
	Max.refrigerant pipe length(m)	10	10	10	15
	Max.difference in level(m)	5	5	5	10
Refrigerant pipe	Operation temperature range	-7°C~43°C	-7°C~43°C	-7°C~43°C	-7°C~43°C
	Ambient temperature range	-7°C~48°C	-7°C~48°C	-7°C~48°C	-7°C~48°C
	Application area(MM2)	10~17	13~27	20~40	30~55
	Sets per 40ft HQ/20ft	360/167	334/143	267/-	186/81

Floor Standing Air Conditioner

Professional HVAC Fan & Motors Manufacturer



Type Code

LW H A - C 35 - 01 W

W-Outdoor unit
N-Indoor unit

Series Number

Compressor Capacity × 100

C-Cooling only H-Heating
CH-Cooling&Heating

A-Home-appliance Air Conditioning

H-Home Appliance

LW-Longwell

Floor Standing Unit

DC Inverter & ON/OFF Outdoor Unit



Indoor Unit



ON/OFF Type

Outdoor unit Model		LWHA-C24-01 W	LWHA-CH24-01W	LWHA-C36-01W	LWHA-CH36-01W	LWHA-C42-01W
Indoor unit Model		LWHA-C24-01 N	LWHA-CH24-01N	LWHA-C36-01N	LWHA-CH36-01N	LWHA-C42-01N
40"HQ Container capacity(PCS)		76	76	76	76	42
Power supply(V/N/Hz)		220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50
Cooling	Capacity(Btu/h)	24000	24000	36000	36000	42000
	Capacity(W)	7200	7200	10600	10600	12300
	Power input(W)	2500	2500	3810	3550	4200
	EER(W/W)	2.88	2.88	2.78	2.99	2.93
	Capacity(Btu/h)	/	26500	/	39600	/
Heating	Capacity(W)	/	8000	/	11600	/
	Power input(W)	/	2600	/	3100	/
	COP(W/W)	/	3.08	/	2.78	/
	Max.Input(W)	3850	3850	3850	3850	5600
Max.Current(A)		17.5	17.5	17.5	17.5	10.5
Indoor air flow(m³/h)		1200	1200	1200	1200	2150/1750/1550
Indoor noise level(Hi/Me/Lo)(dBA)		37/43/46	37/43/46	37/43/46	37/43/46	52/49/44
Indoor unit	Unit dimension(W×H×D)(mm)	500×1720×315	500×1720×315	500×1720×315	500×1720×315	581×1906×385
	Packing(W×H×D)(mm)	605×1795×425	605×1795×425	605×1795×425	605×1795×425	707×2048×510
	Net weight(kg)	34.5	34.5	34.5	34.5	60
	Gross weight(kg)	41	41	41	41	70
	Drain pipe (mm)	OD25	OD25	OD25	OD25	OD25
Outdoor unit	Noise level(dBA)	56	56	56	56	60
	Unit dimension(W×H×D)(mm)	910×685×340	910×685×340	910×685×340	910×685×340	940×1250×340
	Packing(W×H×D)(mm)	1030×770×470	1030×770×470	1030×770×470	1030×770×470	1060×1385×435
	Net weight(kg)	52	52	52	52	70
	Gross weight(kg)	55	55	55	55	80
Refrigerant pipe	Refrigerant type	R32	R32	R32	R32	R410A
	Refrigerant amount(kg)	1.4	1.4	1.4	1.4	2.5
	Liquid side(inch)	1/4	1/4	1/4	1/4	3/8
	Gas side(inch)	5/8	5/8	5/8	5/8	3/4
	Max.pipe length(m)	20	20	20	20	50
	Max.height drop(m)	15	15	15	15	30

Notes:

1. Nominal cooling capacities are based on conditions: indoor temperature 27°CDB,19°CWB; outdoor temperature 35°CDB.
2. Nominal heating capacities are based on conditions: indoor temperature 20°CDB; outdoor temperature 7°CDB, 6°CWB.
3. Cooling outdoor operation temperature range: 18°CDB ~48°CDB. Heating outdoor operation temperature range: -7°CDB ~24°CDB.
4. Actual noise level may difer, depending on the room structure, etc, since these noise values are from an anechoic room.
5. The above design and specification are subject to change without prior notice for product improvement.

ON/OFF Type

Outdoor unit Model Indoor unit Model		LWHA-CH42-01W LWHA-CH42-01N	LWHA-C48-01W LWHA-C48-01N	LWHA-CH48-01W LWHA-CH48-01N	LWHA-C60-01W LWHA-C60-01N	LWHA-CH60-01W LWHA-CH60-01N
40"HQ Container capacity(PCS)		42	42	42	42	42
Power supply(V/N/Hz)		380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Cooling	Capacity(Btu/h)	42000	48000	48000	60000	60000
	Capacity(W)	12300	14100	14100	17600	17600
	Power input(W)	4200	4620	4620	5700	5700
	EER(W/W)	2.93	3.05	3.05	3.09	3.09
Heating	Capacity(Btu/h)	47000	/	50000	/	62000
	Capacity(W)	13800	/	14600	/	18000
	Power input(W)	4510	/	4650	/	5610
	COP(W/W)	3.06	/	3.14	/	3.21
Max.Input(W)		5600	5600	5600	7550	7550
Max.Current(A)		10.5	10.5	10.5	17.1	17.1
Indoor air flow(m³/h)		2150/1750/1550	2150/1750/1550	2150/1750/1550	2150/1750/1550	2150/1750/1550
Indoor noise level(Hi/Me/Lo)(dBA)		52/49/44	52/49/44	52/49/44	52/49/44	52/49/44
Indoor unit	Unit dimension(W×H×D)(mm)	581×1906×385	581×1906×385	581×1906×385	581×1906×385	581×1906×385
	Packing(W×H×D)(mm)	707×2048×510	707×2048×510	707×2048×510	707×2048×510	707×2048×510
	Net weight(kg)	60	60	60	60	60
	Gross weight(kg)	70	70	70	70	70
	Drain pipe (mm)	OD25	OD25	OD25	OD25	OD25
	Noise level(dBA)	60	60	60	62	62
Outdoor unit	Unit dimension(W×H×D)(mm)	940×1250×340	940×1250×340	940×1250×340	940×1250×340	940×1250×340
	Packing(W×H×D)(mm)	1060×1385×435	1060×1385×435	1060×1385×435	1060×1385×435	1060×1385×435
	Net weight(kg)	76	70	76	95	95
	Gross weight(kg)	86	80	86	105	105
	Refrigerant type	R410A	R410A	R410A	R410A	R410A
	Refrigerant amount(kg)	2.5	2.5	2.5	3.3	3.3
Refrigerant pipe	Liquid side(inch)	3/8	3/8	3/8	3/8	3/8
	Gas side(inch)	3/4	3/4	3/4	3/4	3/4
	Max.pipe length(m)	50	50	50	50	50
	Max.height drop(m)	30	30	30	30	30

Notes:

1. Nominal cooling capacities are based on conditions: indoor temperature 27°CDB,19°CWB; outdoor temperature 35°CDB.
2. Nominal heating capacities are based on conditions: indoor temperature 20°CDB; outdoor temperature 7°CDB, 6°CWB.
3. Cooling outdoor operation temperature range: 18°CDB ~48°CDB. Heating outdoor operation temperature range: -7°CDB ~24°CDB.
4. Actual noise level may difer, depending on the room structure, etc, since these noise values are from an anechoic room.
5. The above design and specification are subject to change without prior notice for product improvement.

DC Inverter Type

Outdoor unit Model Indoor unit Model		LWHA-C36-02W LWHA-C36-02N	LWHA-CH36-02W LWHA-CH36-02N	LWHA-C48-02W LWHA-C48-02N	LWHA-CH48-02W LWHA-CH48-02N
40"HQ Container capacity(PCS)		54	54	44	44
Power supply(V/N/Hz)		220/1/50	220/1/50	220-240/1/50	220-240/1/50
Cooling	Capacity(W)	10550	10550	14000	14000
	Power input(W)	3700	3700	4700	4700
	Rated current(A)	17.2	17.2	22.3	22.3
	EER(W/W)	2.85	2.85	2.98	2.98
Heating	Capacity(W)	/	11600	/	14000
	Power input(W)	/	3550	/	4350
	Rated current(A)	/	16.6	/	21.2
	COP(W/W)	/	3.27	/	3.22
Max.Input(W)		4900	4900	6000	6000
Max.Current(A)		7.8	7.8	28.5	28.5
Indoor air flow(m³/h)		2150/1750/1550	2150/1750/1550	2150/1750/1550	2150/1750/1550
Indoor noise level(Hi/Me/Lo)(dBA)		52/48/44	52/48/44	52/48/44	52/48/44
Indoor unit	Unit dimension(W×H×D)(mm)	582×1890×388	582×1890×388	582×1890×388	582×1890×388
	Packing(W×H×D)(mm)	685×2050×490	685×2050×490	685×2050×490	685×2050×490
	Net weight(kg)	52	52	52	52
	Gross weight(kg)	64	64	64	64
	Drain pipe (mm)	DN25	DN25	OD25	OD25
	Compressor type	DC inverter rotary	DC inverter rotary	DC inverter rotary	DC inverter rotary
Outdoor unit	Noise level(dBA)	57	57	60	60
	Unit dimension(W×H×D)(mm)	935×805×375	935×805×375	940×1265×340	935×805×375
	Packing(W×H×D)(mm)	1060×860×480	1060×860×480	1060×1385×435	1060×1385×435
	Net weight(kg)	57.5	57.5	75	75
	Gross weight(kg)	60	60	85	85
	Refrigerant type	R410A	R410A	R410A	R410A
Refrigerant pipe	Liquid side(inch)	3/8	3/8	3/8	3/8
	Gas side(inch)	5/8	5/8	3/4	3/4
	Max.refrigerant pipe length(m)	30	30	50	50
	Max.difference in level(m)	20	20	30	30

Notes:

1. Nominal cooling capacities are based on conditions: indoor temperature 27°CDB,19°CWB; outdoor temperature 35°CDB.
2. Nominal heating capacities are based on conditions: indoor temperature 20°CDB; outdoor temperature 7°CDB, 6°CWB.
3. Cooling outdoor operation temperature range: 18°CDB ~48°CDB. Heating outdoor operation temperature range: -7°CDB ~24°CDB.
4. Actual noise level may difer, depending on the room structure, etc, since these noise values are from an anechoic room.
5. The above design and specification are subject to change without prior notice for product improvement.

DC Inverter Type

Outdoor unit Model Indoor unit Model		LWHA-C60-02W LWHA-C60-02N	LWHA-CH60-02W LWHA-CH60-02N	LWHA-C48-03W LWHA-C48-03N	LWHA-CH48-03W LWHA-CH48-03N
40"HQ Container capacity(PCS)		44	44	44	44
Power supply(V/N/Hz)		220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50
Cooling	Capacity(W)	17500	17500	14000	14000
	Power input(W)	5870	5870	4700	4700
	Rated current(A)	27.9	27.9	7.4	7.4
	EER(W/W)	2.98	2.98	2.98	2.98
Heating	Capacity(W)	/	17500	/	14000
	Power input(W)	/	5430	/	4350
	Rated current(A)	/	26.5	/	6.9
	COP(W/W)	/	3.22	/	3.22
Max.Input(W)		6000	6000	6000	6000
Max.Current(A)		28.5	28.5	10.5	10.5
Indoor air flow(m³/h)		2150/1750/1550	2150/1750/1550	2150/1750/1550	2150/1750/1550
Indoor noise level(Hi/Me/Lo)(dBA)		52/48/44	52/48/44	52/48/44	52/48/44
Indoor unit	Unit dimension(W×H×D)(mm)	582×1890×388	582×1890×388	582×1890×388	582×1890×388
	Packing(W×H×D)(mm)	685×2050×490	685×2050×490	685×2050×490	685×2050×490
	Net weight(kg)	52	52	52	52
	Gross weight(kg)	64	64	64	64
	Drain pipe (mm)	OD25	OD25	DN25	DN25
Outdoor unit	Compressor type	DC inverter rotary	DC inverter rotary	DC inverter rotary	DC inverter rotary
	Noise level(dBA)	60	60	60	60
	Unit dimension(W×H×D)(mm)	940×1265×340	940×1265×340	940×1265×340	940×1265×340
	Packing(W×H×D)(mm)	1060×1385×435	1060×1385×435	1060×1385×435	1060×1385×435
	Net weight(kg)	75	75	73	75
	Gross weight(kg)	85	85	83	85
	Refrigerant type	R410A	R410A	R410A	R410A
	Liquid side(inch)	3/8	3/8	3/8	3/8
	Gas side(inch)	3/4	3/4	3/4	3/4
	Max.refrigerant pipe length(m)	50	50	50	50
Refrigerant pipe	Max.difference in level(m)	30	30	30	30

Notes:

1. Nominal cooling capacities are based on conditions: indoor temperature 27°CDB,19°CWB; outdoor temperature 35°CDB.
2. Nominal heating capacities are based on conditions: indoor temperature 20°CDB; outdoor temperature 7°CDB, 6°CWB.
3. Cooling outdoor operation temperature range: 18°CDB ~48°CDB. Heating outdoor operation temperature range: -7°CDB ~24°CDB.
4. Actual noise level may difer, depending on the room structure, etc, since these noise values are from an anechoic room.
5. The above design and specification are subject to change without prior notice for product improvement.

DC Inverter Type

Outdoor unit Model Indoor unit Model		LWHA-C60-03W LWHA-C60-03N	LWHA-CH60-03W LWHA-CH60-03N	LWHA-C100-01W LWHA-C100-01N	LWHA-CH100-01W LWHA-CH100-01N
40"HQ Container capacity(PCS)		44	44	23	23
Power supply(V/N/Hz)		380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Cooling	Capacity(W)	17500	17500	29300	29300
	Power input(W)	5870	5870	9400	9400
	Rated current(A)	9.3	9.3	15	15
	EER(W/W)	2.98	2.98	3.12	3.12
Heating	Capacity(W)	/	17500	/	30800
	Power input(W)	/	5430	/	9600
	Rated current(A)	/	8.6	/	15.4
	COP(W/W)	/	3.22	/	3.21
Max.Input(W)		6000	6000	13000	13000
Max.Current(A)		10.5	10.5	25.5	25.5
Indoor air flow(m³/h)		2150/1750/1550	2150/1750/1550	4500/3800/3250	4500/3800/3250
Indoor noise level(Hi/Me/Lo)(dBA)		52/48/44	52/48/44	60/56/52	60/56/52
Indoor unit	Unit dimension(W×H×D)(mm)	582×1890×388	582×1890×388	1200×1850×380	1200×1850×380
	Packing(W×H×D)(mm)	685×2050×490	685×2050×490	1282×1990×400	1282×1990×400
	Net weight(kg)	52	52	130	130
	Gross weight(kg)	64	64	150	150
	Drain pipe (mm)	DN25	DN25	DN25	DN25
Outdoor unit	Compressor type	DC inverter rotary	DC inverter rotary	DC inverter rotary	DC inverter rotary
	Noise level(dBA)	60	60	62	62
	Unit dimension(W×H×D)(mm)	940×1265×340	940×1265×340	1120×1560×400	1120×1560×400
	Packing(W×H×D)(mm)	1060×1385×435	1060×1385×435	1260×1730×530	1260×1730×530
	Net weight(kg)	73	75	135	135
	Gross weight(kg)	83	85	155	155
	Refrigerant type	R410A	R410A	R410A	R410A
	Liquid side(inch)	3/8	3/8	3/8	3/8
	Gas side(inch)	3/4	3/4	7/8	7/8
	Max.refrigerant pipe length(m)	50	50	50	50
Refrigerant pipe	Max.difference in level(m)	30	30	30	30

Notes:

1. Nominal cooling capacities are based on conditions: indoor temperature 27°CDB,19°CWB; outdoor temperature 35°CDB.
2. Nominal heating capacities are based on conditions: indoor temperature 20°CDB; outdoor temperature 7°CDB, 6°CWB.
3. Cooling outdoor operation temperature range: 18°CDB ~48°CDB. Heating outdoor operation temperature range: -7°CDB ~24°CDB.
4. Actual noise level may difer, depending on the room structure, etc, since these noise values are from an anechoic room.
5. The above design and specification are subject to change without prior notice for product improvement.

Cassette Unit

Professional HVAC Fan & Motors Manufacturer



Energy Saving



3 Speeds



Auto Swing



Dehumidification



Auto Start



Timmer



Long Life Filter



LED Display



Drain Pan



WIFI Control

Type Code

LW FP - 18 K A - 01

Series number

Installation method

A-Concealed installation
M-Exposed installation

Structural form

W-Horizontal L-Vertical K-Cassette

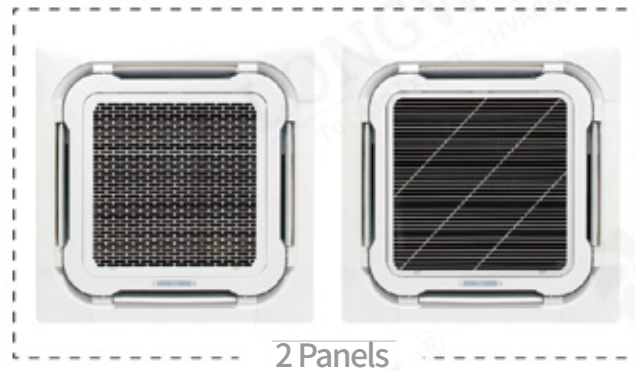
Capacity ×1000

FP-Fan Coil Unit

LW-Longwell

High-lift Drainage Water Pump

The products are novel and practical, stylish in appearance. meet the needs of multi-level personalised. and are widely used in various places such as shopping malls, office and other commercial buildings.



High-efficiency Low-noise Compressor

Equipped with high-efficiency rotary compressor, compared with models with scroll compressors. the power is stronger, cooling and heating performance is faster, anti-fading ability is higher.

Easy to deal with high temperature in cooling mode and low temperature in heating mode. The running parts of the compressor wear less, run smoothly, with low noise and long service life.

The inverter model adopts high-efficiency DC inverter compressor, When starting up, it runs at high speed, strong output, and one step faster in heating and cooling: When normal running, accurate output, reducing indoor temperature fluctuations, comfort and power saving.



Powerful



Quiet



Efficiency



Inner Threaded Copper Tube

The internal threaded copper tube effectively improves the heat exchange effect by increasing the inner surface area of the tube and enhancing the disturbance.

Destroy the boundary layer of refrigerant flow, increase disturbance and improve heat exchange efficiency.

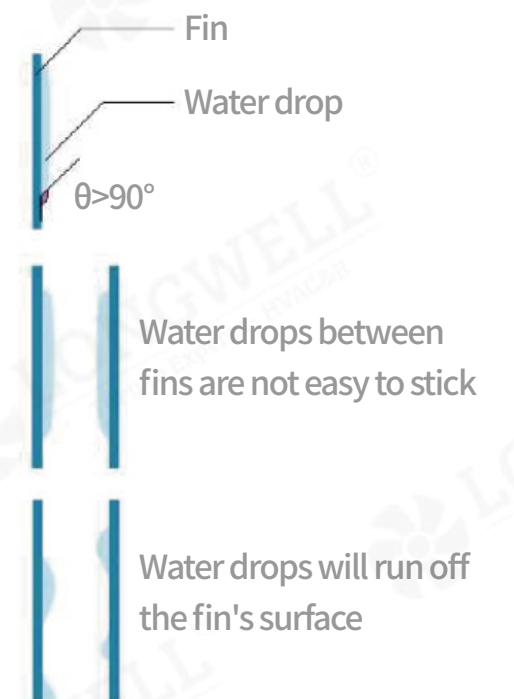
The heat transfer coefficient is higher and the energy saving effect is better.



The inner threaded pipe destroys the boundary layer of the refrigerant flow and enhances the disturbance, thereby enhancing the heat exchange.

WIFI Control Function(Optional)

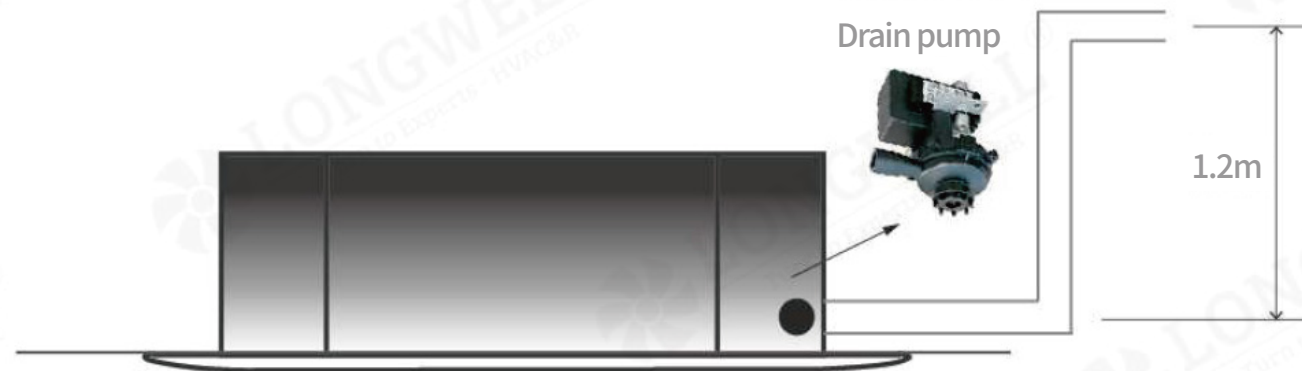
Optional WIFI remote control module can be chosen, through the mobile phone to remotely control the air conditioner.



Degreasing and antifouling hydrophilic aluminum foil fins

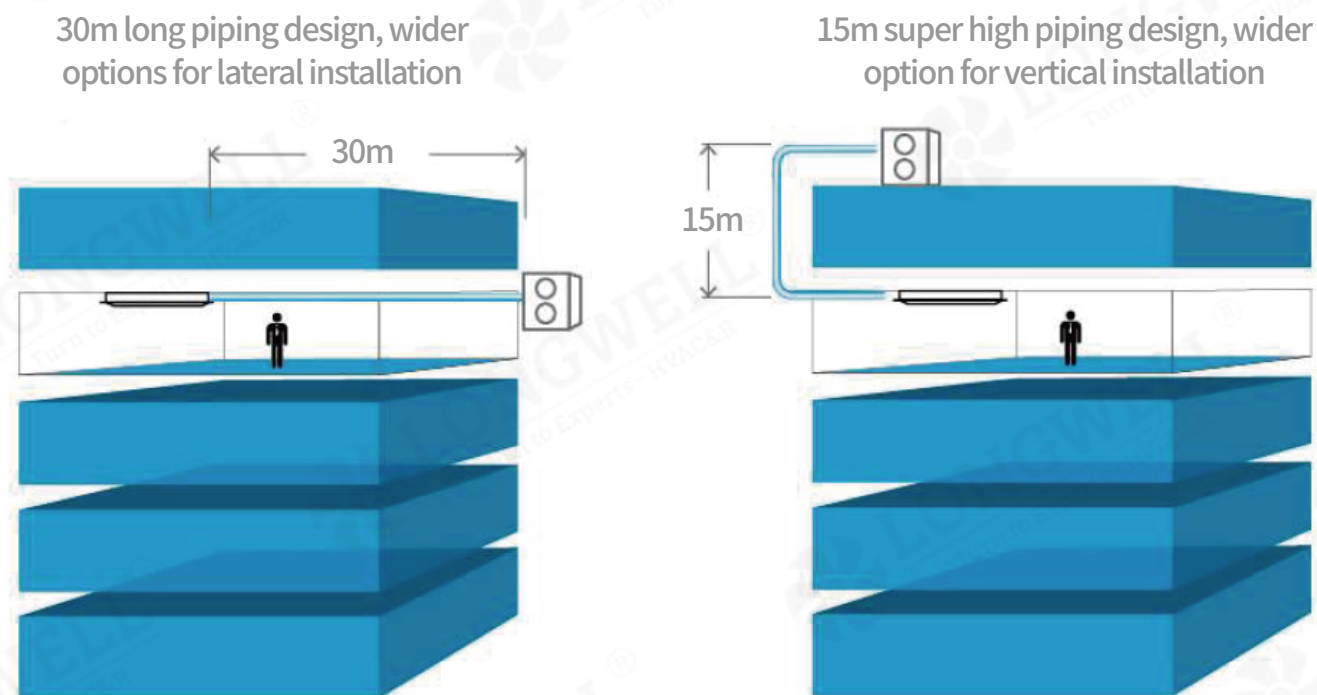
High-lift Drainage Water Pump

The 1.2-meter-high head drain pump is used, which greatly facilitates the installation and arrangement of the drain pipe, making the condensate discharge smoother and more thorough.



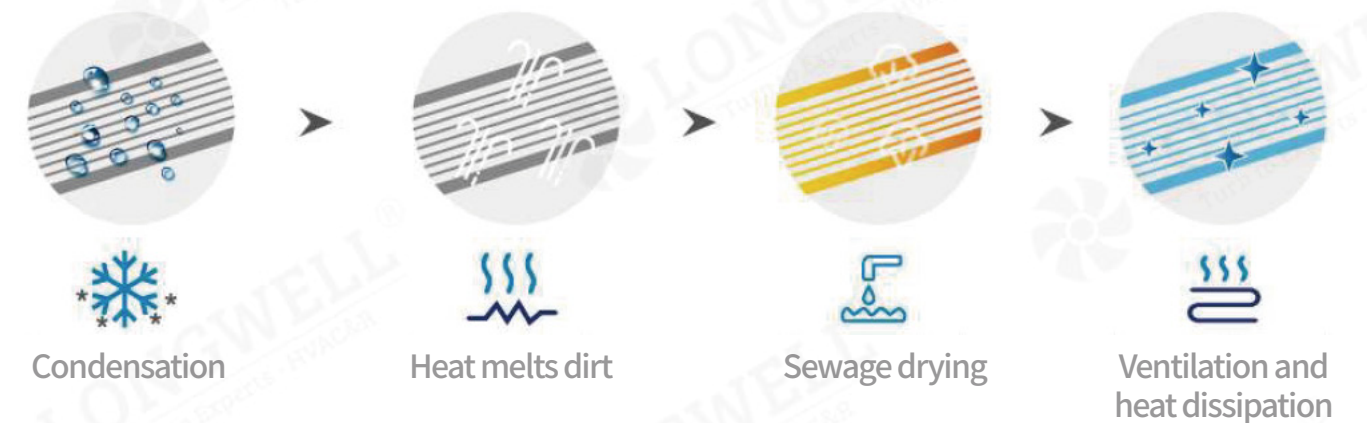
Long Piping Design, Flexible Installation

The 15-meter height drop design and the 30-meter super-long piping design meet the installation needs of different places.



Heat Exchanger Self-cleaning Function

The self-cleaning function can combine the condensed water generated on the surface of the evaporator with the dust, and remove the condensed water while taking away the dust.



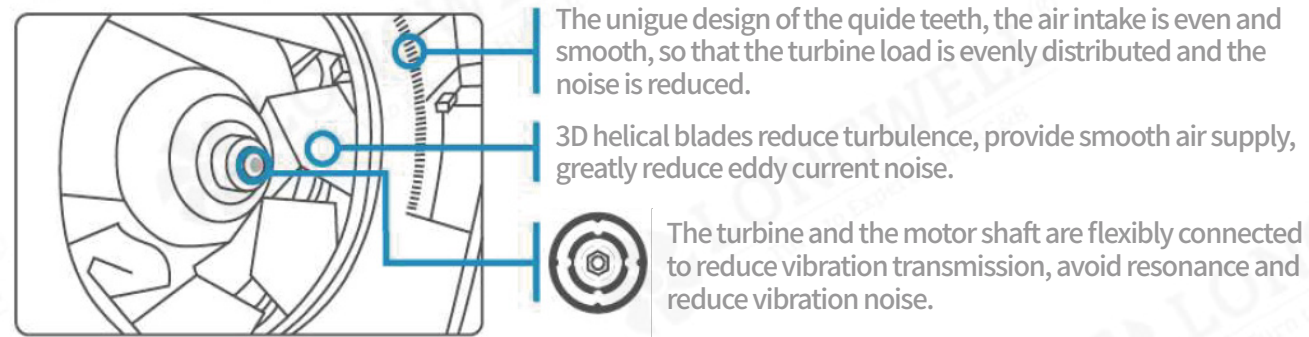
WIFI Control Function(Optional)

Optional WIFI remote control module can be chosen, through the mobile phone to remotely control the air conditioner.



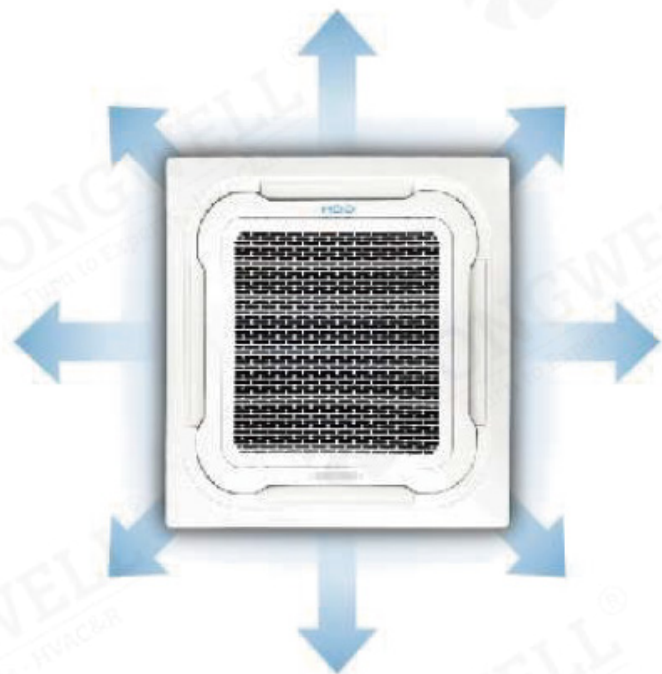
Low Noise Big Volume Centrifugal Fan

The fan wheel adopts 3D spiral blade of aerospace technology. which has smooth air output, large air volume, balanced and stable air flow, and greatly reduces the eddy current noise, and the operation is quiet and comfortable.



360° Air Supply, No Dead Angel

360° air outlet, no dead angle for air supply. 360° automatic swing, wide range of air supply, so that the air flow reaches all corners of the room, and the air can also be supplied at a specified angle to enjoy the comfort.



LED Digital Display Panel

Embedded LED digital display on the panel, real-time display of temperature and mode, accurate and detailed display of machine operating status and data, high-end and practical.



UVC Sterilization Function(Optional)

UVC powerful sterilization accessories can be customized to effectively kill Escherichia coli. Corynebacterium diphtheria. Mycobacterium tuberculosis, Salmonella, etc. The process is non-toxic, no residue, no peculiar smell, and protects human health.



Cassette Unit Performance Parameter Table

Model		LWFP-18KA-01	LWFP-18KA-02	LWFP-24KA-01	LWFP-24KA-02
Power supply(V/N/Hz)		220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Type		Cassette	Cassette	Cassette	Cassette
Power supply mode		Indoor	Indoor	Outdoor	Outdoor
Control type		Wired/Wireless	Wired/Wireless	Wired/Wireless	Wired/Wireless
Cooling	Capacity(Btu/h)	18000	18000	24000	24000
	Capacity(W)	5300	5300	7200	7200
	Power input(W)	1750	1750	2650	2650
	Rated current(A)	8.08	8.08	12	12
	EER(W/W)	3.02	3.02	2.72	2.72
Heating	Capacity(Btu/h)	/	20000	/	26950
	Capacity(W)	/	5900	/	7900
	Power input(W)	/	1920	/	2400
	Rated current(A)	/	8.86	/	11
	COP(W/W)	/	3.07	/	3.4
Max.input(W)		2850	2850	3800	3800
Max.current(A)		15.3	15.3	20.5	20.5
Compressor	Model	GSH190TV-C8EUL	GSH190TV-C8EUL	GSH264CV-C8LU5	GSH264CV-C8LU5
	Type	Rotary	Rotary	Rotary	Rotary
	Brand	Highly	Highly	Highly	Highly
	Capacity(W)	6180	6180	7825	7825
	Input(W)	1315	1315	2210	2210
	Rated current(A)	6.2	6.2	9.0	9.0
	Locked rotor Amp(A)	41	41	60	60
	Capacitor(uF)	45	45	60	55
Indoor fan motor	Model	YDK-55	YDK-55	YDK-55	YDK-55
	Brand	kaibang/lifeng/lvzhi	kaibang/lifeng/lvzhi	kaibang/lifeng/lvzhi	kaibang/lifeng/lvzhi
Evaporator	a.Number of rows	2	2	2	2
	b.Tube pitch(a)× row pitch(b)(mm)	21×13.37	21×13.37	21×13.37	21×13.37
	c.Fin material	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	d.Fin spacing(mm)	1.3	1.3	1.3	1.3
	e.Tube outside dia.and type(mm)	7	7	7	7
Indoor unit	Indoor air flow(m³/h)	1300	1300	1300	1300
	Indoor noise level(Hi/Me/Lo)(dBA)	48/44/38	48/44/38	48/44/38	48/44/38
	Unit dimension(W×H×D)(mm)	830×230×830	830×230×830	830×230×830	830×230×830
	Packing(W×H×D)(mm)	925×290×925	925×290×925	925×290×925	925×290×925
	Net weight(kg)	23	23	23	23
	Gross weight(kg)	26.5	26.5	26.5	26.5
Panel	Dimension(W×H×D)(mm)	950×45×950	950×45×950	950×45×950	950×45×950
	Packing(W×H×D)(mm)	1030×90×1030	1030×90×1030	1030×90×1030	1030×90×1030
	Net weight(kg)	6	6	6	6
	Gross weight(kg)	8	8	8	8

	Model	YDK-25	YDK-25	YDK53-6KB(B)/YDK55-6H(B)	YDK53-6KB(B)/YDK55-6H(B)
	Brand	kaibang/lifeng/lvzhi	kaibang/lifeng/lvzhi	kaibang/lifeng/lvzhi	kaibang/lifeng/lvzhi
Outdoor fan motor	No.of Blade(Pieces)	3	3	3	3
	a.Number of rows	1	1	1	1
Condenser	b.Tube pitch(a)× row pitch(b)(mm)	25.4×22	25.4×22	21×22	21×22
	c.Fin material	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	d.Tube outside dia.and type(mm)	Φ9.52	Φ9.52	Φ7	Φ7
	Fin spacing(mm)	1.4	1.4	1.4	1.4
	Face area(mm²)	475996	475996	516432	516432
	Noise level(dBA)	54	54	56	56
Outdoor unit	Unit dimension(W×H×D)(mm)	790×535×290	790×535×290	840×705×315	840×705×315
	Packing(W×H×D)(mm)	900×620×400	900×620×400	965×750×390	965×750×390
	Net weight(kg)	38	38	45	45
	Gross weight(kg)	42	42	48	48
	Refrigerant type	R410A	R410A	R410A	R410A
	Refrigerant amount (kg)	1.3	1.3	1.25	1.25
	Liquid side(inch)	1/4	1/4	3/8	3/8
	Gas side(inch)	1/2	1/2	5/8	5/8
	Max.refrigerant pipe length(m)	20	20	20	20
	Max.difference in level(m)	15	15	15	15
Refrigerant pipe	Drain pipe(mm)	OD25	OD25	OD25	OD25
	Max.suction pressure(MPa)	4.5	4.5	4.5	4.5
	Max.discharge pressure(MPa)	1.5	1.5	1.5	1.5
	Max.pressure of coil(MPa)	12	12	12	12
Ambient temperature range	Cooling(°C)	18~48	18~48	18~48	18~48
	Heating(°C)	-7~24	-7~24	/	-7~24
40"HQ Container capacity(PCS)		110	110	100	100

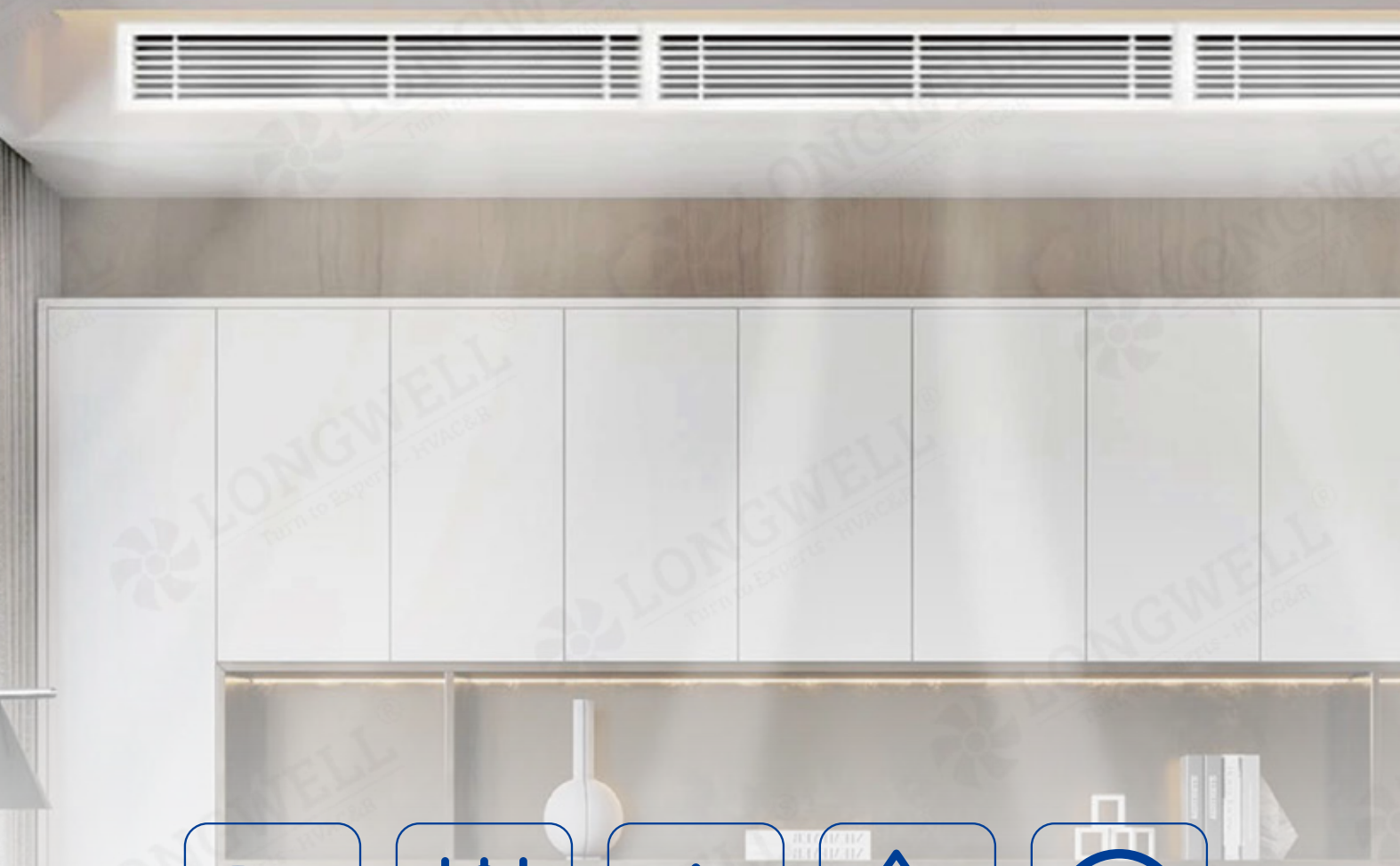
Cassette Unit Performance Parameter Table

Model		LWFP-42KA-01	LWFP-42KA-02	LWFP-48KA-01	LWFP-48KA-02
Power supply(V/N/Hz)		380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Type		Cassette	Cassette	Cassette	Cassette
Power supply mode		Outdoor	Outdoor	Outdoor	Outdoor
Control type		Wired/Wireless	Wired/Wireless	Wired/Wireless	Wired/Wireless
Cooling	Capacity(Btu/h)	42000	42000	48000	48000
	Capacity(W)	12300	12300	14100	14100
	Power input(W)	4140	4140	4560	4560
	Rated current(A)	6.62	6.62	7.29	7.29
	EER(W/W)	2.97	2.97	3.09	3.09
Heating	Capacity(Btu/h)	/	47000	/	50000
	Capacity(W)	/	13800	/	14700
	Power input(W)	/	4550	/	4710
	Rated current(A)	/	7.28	/	7.53
	COP(W/W)	/	3.03	/	3.12
Max.input(W)		5600	5600	5600	5600
Max.current(A)		10.5	10.5	10.5	10.5
Compressor	Model	QXAS-F41SN050	QXAS-F41SN050	QXAS-F41SN050	QXAS-F41SN050
	Type	Rotary	Rotary	Rotary	Rotary
	Brand	Gree	Gree	Gree	Gree
	Capacity(W)	10300	10300	10300	10300
	Input(W)	3370	3370	3370	3370
	Rated current(A)	6.45	6.45	6.45	6.45
	Locked rotor Amp(A)	42	42	42	42
	Capacitor(uF)	/	/	/	/
Indoor fan motor	Model	YDK-75	YDK-75	YDK-75	YDK-75
	Brand	kaibang/lifeng/lvzhi	kaibang/lifeng/lvzhi	kaibang/lifeng/lvzhi	kaibang/lifeng/lvzhi
Evaporator	a.Number of rows	2	2	2	2
	b.Tube pitch(a)× row pitch(b)(mm)	21×13.37	21×13.37	21×13.37	21×13.37
	c.Fin material	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	d.Fin spacing(mm)	1.3	1.3	1.3	1.3
	e.Tube outside dia.and type(mm)	7	7	7	7
Indoor unit	Indoor air flow(m³/h)	1800	1800	1800	1800
	Indoor noise level(Hi/Me/Lo)(dBA)	52/48/40	52/48/40	52/48/40	52/48/40
	Unit dimension(W×H×D)(mm)	830×300×830	830×300×830	830×300×830	830×300×830
	Packing(W×H×D)(mm)	925×360×925	925×360×925	925×360×925	925×360×925
	Net weight(kg)	27.5	27.5	27.5	27.5
	Gross weight(kg)	31.5	31.5	31.5	31.5
Panel	Dimension(W×H×D)(mm)	950×45×950	950×45×950	950×45×950	950×45×950
	Packing(W×H×D)(mm)	1030×90×1030	1030×90×1030	1030×90×1030	1030×90×1030
	Net weight(kg)	6	6	6	6
	Gross weight(kg)	8	8	8	8

	Model	YDK-80	YDK-80	YDK-80	YDK-80
	Brand	kaibang/lifeng/lvzhi	kaibang/lifeng/lvzhi	kaibang/lifeng/lvzhi	kaibang/lifeng/lvzhi
Outdoor fan motor	No.of Blade(Pieces)	3	3	3	3
Condenser	a.Number of rows	2	2	2	2
	b.Tube pitch(a)× row pitch(b)(mm)	25.4×18.19	25.4×18.19	25.4×18.19	25.4×18.19
	c.Fin material	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	d.Tube outside dia.and type(mm)	Φ7	Φ7	Φ7	Φ7
	Fin spacing(mm)	60	60	1.6	1.6
	Face area(mm²)	1209248	1209248	1209248	1209248
Outdoor unit	Noise level(dBA)	60	60	60	60
	Unit dimension(W×H×D)(mm)	940×1250×340	940×1250×340	940×1250×340	940×1250×340
	Packing(W×H×D)(mm)	1060×1385×435	1060×1385×435	1060×1385×435	1060×1385×435
	Net weight(kg)	70	76	70	76
	Gross weight(kg)	80	86	80	86
	Refrigerant type	R410A	R410A	R410A	R410A
	Refrigerant amount (kg)	2.5	2.5	2.5	2.5
	Liquid side(inch)	3/8	3/8	3/8	3/8
	Gas side(inch)	3/4	3/4	3/4	3/4
	Max.refrigerant pipe length(m)	50	50	50	50
Refrigerant pipe	Max.difference in level(m)	30	30	30	30
Drain pipe(mm)		OD25	OD25	OD25	OD25
Max.suction pressure(MPa)		4.5	4.5	4.5	4.5
Max.discharge pressure(MPa)		1.5	1.5	1.5	1.5
Max.pressure of coil(MPa)		12	12	12	12
Ambient temperature range	Cooling(°C)	18~48	18~48	18~48	18~48
	Heating(°C)	/	-7~24	/	-7~24
40"HQ Container capacity(PCS)		56	56	56	56

Ducted Unit

Professional HVAC Fan & Motors Manufacturer



Energy Saving



3 Speeds



Auto Swing



Dehumidification



Auto Start



Timmer



Long Life Filter



LED Display

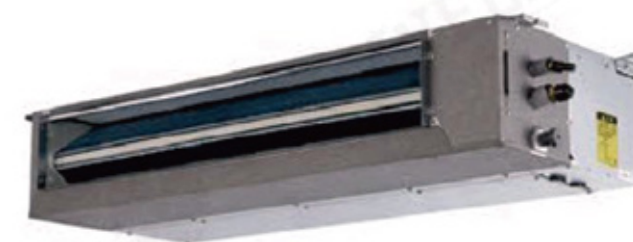


Drain Pan



WIFI Control

Ducted Unit



Low Pressure Ducted Unit



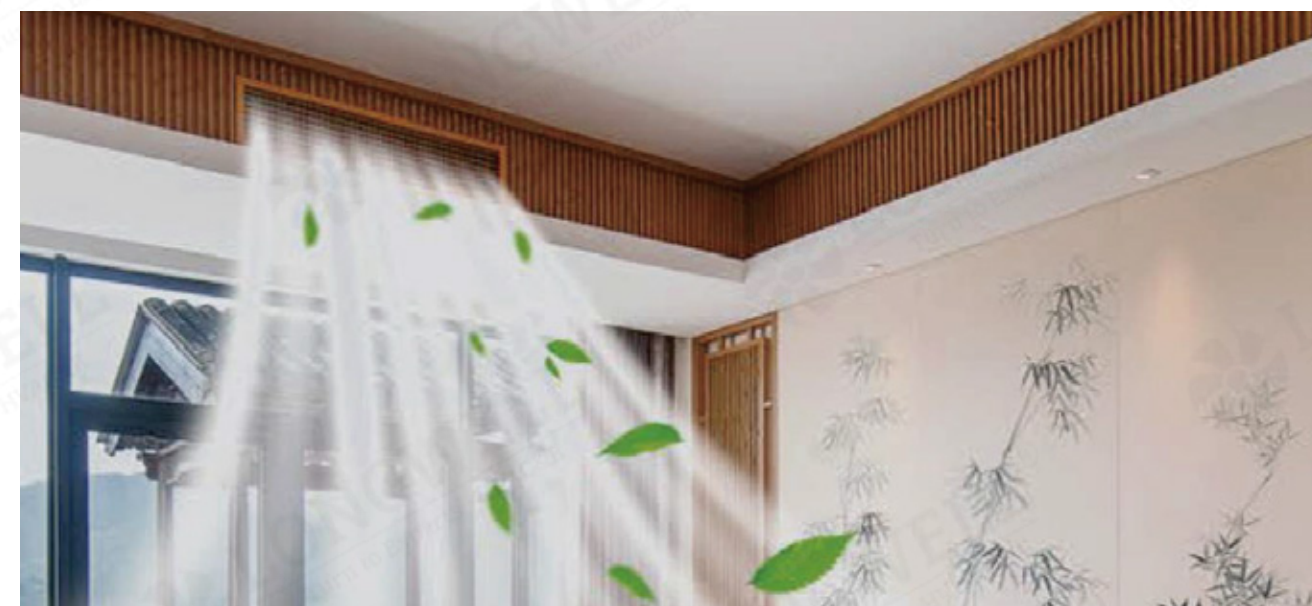
Medium Pressure Ducted Unit

Combines a number of patented technologies to completely upgrade the structure, performance and function of the air duct machine.

It adopts thin body design, invisible installation, and the effect is more beautiful. It can realize smart health functions such as smart phone remote control, UVC ultraviolet sterilization, and fresh air introduction, creating a comfortable environment for homes and offices and bringing a healthy and high-quality life.

According to the different static pressure of the unit, there are low static pressure air duct machines (0-30Pa) and medium static pressure air duct machines (10-80Pa).

Not only powerful, fast cooling and heating, but also long-distance air supply. It can be widely used in shopping malls, restaurants, supermarkets, conference rooms and other commercial and office places.



High-efficiency Low-noise Compressor

Equipped with high-efficiency rotary compressor, compared with models with scroll compressors. the power is stronger, cooling and heating performance is faster, anti-fading ability is higher.

Easy to deal with high temperature in cooling mode and low temperature in heating mode. The running parts of the compressor wear less, run smoothly, with low noise and long service life.

The inverter model adopts high-efficiency DC inverter compressor, When starting up, it runs at high speed, strong output, and one step faster in heating and cooling: When normal running, accurate output, reducing indoor temperature fluctuations, comfort and power saving.



Powerful



Quiet



Efficiency



Inner Threaded Copper Tube

The internal threaded copper tube effectively improves the heat exchange effect by increasing the inner surface area of the tube and enhancing the disturbance.

Destroy the boundary layer of refrigerant flow, increase disturbance and improve heat exchange efficiency.

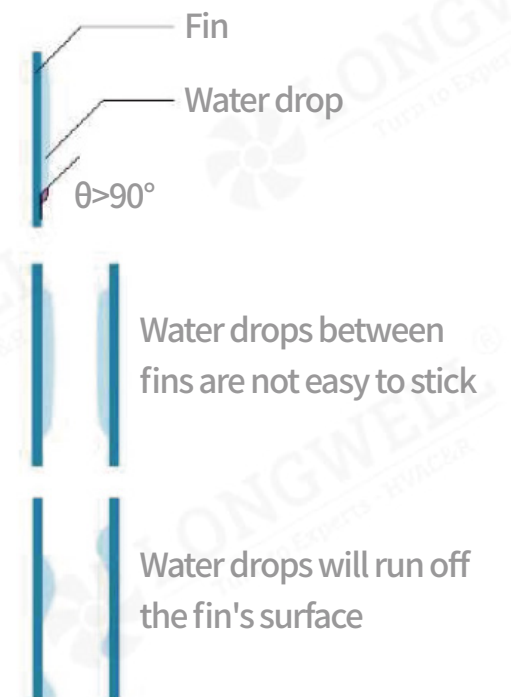
The heat transfer coefficient is higher and the energy saving effect is better.



The inner threaded pipe destroys the boundary layer of the refrigerant flow and enhances the disturbance, thereby enhancing the heat exchange.

Hydrophilic Aluminum Foil

The new hydrophilic aluminum foil has the ability of degreasing and anti-fouling, which can make the condensed water generated during the operation of the air conditioner flow away along the fins as soon as possible. When defrosting, the defrosting time can be greatly shortened, and the heating efficiency is higher.



Degreasing and antifouling hydrophilic aluminum foil fins

Ultra-thin Body, Convenient to Install

The thickness of the unit is only 210mm, which does not take up too much ceiling space, saves indoor space and improves indoor aesthetics.



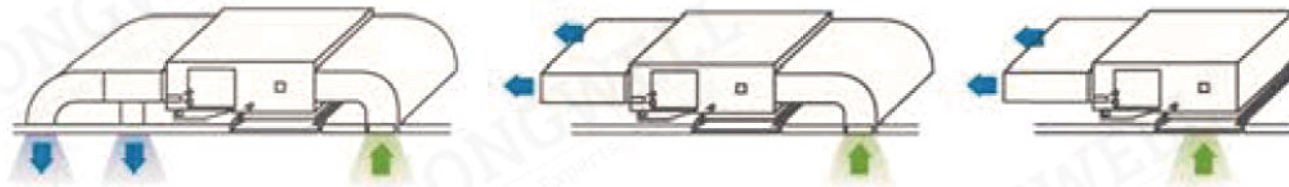
Access Control and Fire Alarm Connection

The indoor unit is equipped with a functional interface, which can be linked with the room card and connected to the fire protection system to realize automatic shutdown and safer use.



Multi-stage Static Pressure

Multi-stage static pressure is optional, and the installation is flexible and more convenient. According to different spatial structures, direct blowing or connecting air ducts can be selected to meet individual needs.



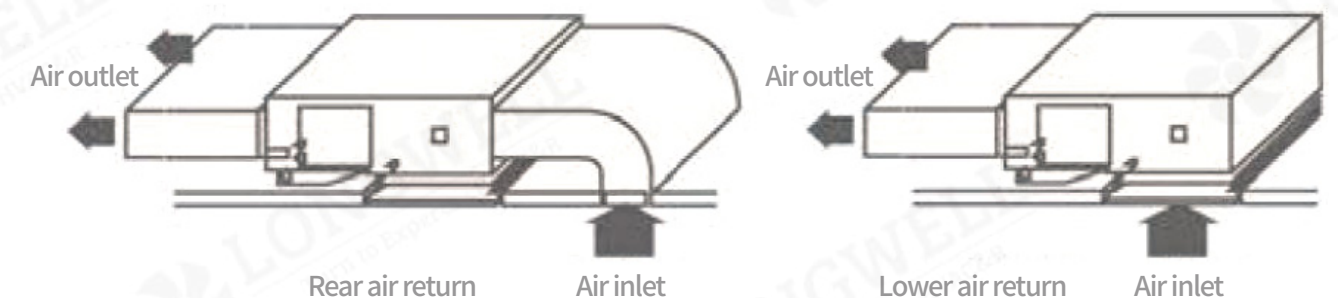
WIFI Control Function(Optional)

Optional WIFI remote control module can be chosen, through the mobile phone to remotely control the air conditioner.



Adjustable Air Return Method

During installation, it can be installed according to the needs of the site, just by changing the position of the return air baffle, the lower air return and the rear air return can be realized. The application is flexible and the installation is easy. (Rear air return is factory default installed)



High-efficiency Low Noise Motor

The indoor unit adopts a high-efficiency fan motor, a newly designed centrifugal fan and a new volute air duct system. Make the unit run smoothly, air supply is soft, and noise is lower.



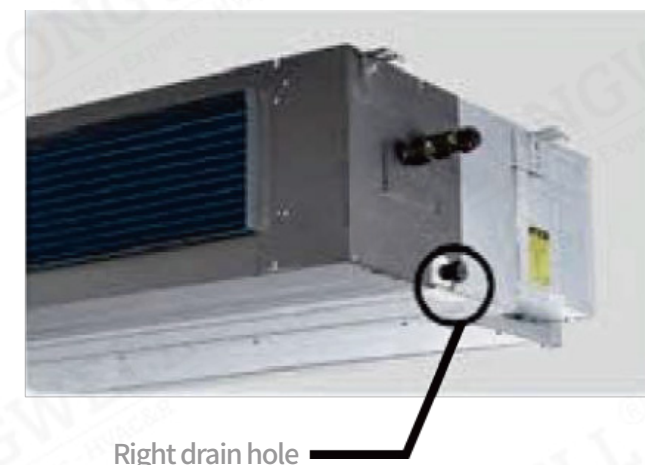
UVC Sterilization Function(Optional)

UVC powerful sterilization accessories can be customized to effectively kill Escherichia coli. Corynebacterium diphtheria. Mycobacterium tuberculosis, Salmonella, etc. The process is non-toxic, no residue, no peculiar smell, and protects human health.



Drainage on Both Sides

The unit reserves two drainage ports on the left and right, and the on-site installation can be flexibly selected according to actual needs, and the arrangement of the drainage pipes is more free and convenient.



DC Inverter Outdoor Unit



12k BTU/h



18k BTU/h



24k BTU/h



36k BTU/h



48k/60k BTU/h

Ducted Indoor Unit



Low Static Pressure(30Pa)
12k/18k/24k BTU/h



Medium Static Pressure(100Pa)
36k/48k BTU/h

Ducted Unit Performance Parameter Table

Outdoor unit Model		LW-MOU-V12 HR1	LW-MOU-V18 HR1	LW-MOU-V24 HR1
Indoor unit Model		LW-MDA-V12 HR1	LW-MDA-V18 HR1	LW-MDA-V24 HR1
Climate type		T1	T1	T1
Power supply(V/N/Hz)		220-240/1/50	220-240/1/50	220-240/1/50
Capacity code(BTu/h)		12K	18K	24K
Cooling	Capacity(W)	3500(750-4000)	5200(900-6200)	7200(1100-8000)
	Power input(W)	1400(250-1600)	1800(350-2500)	2500(550-3450)
	Rated current(A)	6.7(1.2-7.8)	8.5(1.8-12.2)	12.1(2.9-16.7)
	EER(W/W)	2.5	2.89	2.88
Heating	Capacity(W)	4000(800-4500)	5800(1000-7100)	8000(1200-9500)
	Power input(W)	1300(250-1700)	1850(350-2800)	2450(550-3300)
	Rated current(A)	6.2(1.2-8.3)	8.7(1.8-13.6)	11.8(2.9-16.1)
	COP(W/W)	3.08	3.14	3.27
Indoor unit	Fan motor type	AC	AC	AC
	External static pressure(Pa)	30	30	30
	Indoor air flow(m ³ /h)	650	900	1350
	Indoor noise level(Hi/Me/Lo)(dBA)	36/32/28	38/34/30	40/36/32
	Unit dimension(W×H×D)(mm)	700×210×470	920×210×470	1140×210×470
	Packing dimension(W×H×D)(mm)	870×260×530	1090×260×530	1310×260×530
	Net weight(kg)	17	20	26
	Gross weight(kg)	20	23	29
	Fan motor type	AC	AC	AC
	Compressor type	DC inverter rotary	DC inverter rotary	DC inverter rotary
Outdoor unit	Noise level(dBA)	50	54	56
	Unit dimension(W×H×D)(mm)	730×520×255	790×560×290	820×655×300
	Packing dimension(W×H×D)(mm)	840×605×345	900×620×400	935×715×425
	Net weight(kg)	23	30	42
	Gross weight(kg)	26	33	46
	Refrigerant type	R410A	R410A	R410A
	Liquid side(inch)	1/4	1/4	3/8
Refrigerant pipe	Gas side(inch)	1/2	1/2	5/8
	Max.length(m)	15	15	15
	Max.height difference(m)	8	8	8
Operation temperature	Cooling(°C)	18~50	18~50	18~50
	Heating(°C)	-7~24	-7~24	-7~24
Control type		Wired/Wireless	Wired/Wireless	Wired/Wireless

Notes:

1. Nominal cooling capacities are based on conditions: indoor temperature 27°CDB,19°CWB; outdoor temperature 35°CDB.
2. Nominal heating capacities are based on conditions: indoor temperature 20°CDB; outdoor temperature 7°CDB, 6°CWB.
3. Actual noise level may difer, depending on the room structure, etc, since these noise values are from an anechoic room.
4. The above design and specification are subject to change without prior notice for product improvement.

Ducted Unit Performance Parameter Table

Outdoor unit Model		LW-MOU-V36 HR1	LW-MOU-V48 HR1	LW-MOU-V48HZR1
Indoor unit Model		LW-MDB-V36 HR1	LW-MDB-V48 HR1	LW-MDB-V48HR1
Climate type		T1	T1	T1
Power supply(V/N/Hz)		220-240/1/50	220-240/1/50	380-415/3/50
Capacity code(BTu/h)		36K	48K	48K
Cooling	Capacity(W)	10550(1400-11700)	14000(2100-15400)	14000(2100-15400)
	Power input(W)	3750(680-4450)	4700(800-5850)	4700(800-5850)
	Rated current(A)	17.5(3.4-20.7)	22.3(4.5-30.2)	7.4(1.5-9.4)
	EER(W/W)	2.81	2.98	2.98
Heating	Capacity(W)	11600(1500-13000)	14000(2100-15400)	14000(2100-15400)
	Power input(W)	3600(680-4350)	4350(800-5650)	4350(800-5650)
	Rated current(A)	16.8(3.4-20.3)	21.2(4.5-29.5)	6.9(1.5-9.1)
	COP(W/W)	3.22	3.22	3.22
Indoor unit	Fan motor type	AC	AC	AC
	External static pressure(Pa)	100	100	100
	Indoor air flow(m ³ /h)	2150	2150	2150
	Indoor noise level(Hi/Me/Lo)(dBA)	48/44/40	48/44/40	48/44/40
	Unit dimension(W×H×D)(mm)	1200×300×840	1200×300×840	1200×300×840
	Packing dimension(W×H×D)(mm)	1395×370×925	1395×370×925	1395×370×925
	Net weight(kg)	42	42	42
	Gross weight(kg)	49	49	49
	Fan motor type	AC	AC	AC
	Compressor type	DC inverter rotary	DC inverter rotary	DC inverter rotary
Outdoor unit	Noise level(dBA)	57	60	60
	Unit dimension(W×H×D)(mm)	935×805×370	940×1265×340	940×1265×340
	Packing dimension(W×H×D)(mm)	1075×880×480	1060×1385×435	1060×1385×435
	Net weight(kg)	60	75	75
	Gross weight(kg)	64	85	85
	Refrigerant type	R410A	R410A	R410A
	Liquid side(inch)	3/8	3/8	3/8
Refrigerant pipe	Gas side(inch)	3/4	3/4	3/4
	Max.length(m)	20	20	20
	Max.height difference(m)	10	10	10
Operation temperature	Cooling(°C)	18~50	18~50	18~50
	Heating(°C)	-7~24	-7~24	-7~24
Control type		Wired/Wireless	Wired/Wireless	Wired/Wireless

Notes:

1. Nominal cooling capacities are based on conditions: indoor temperature 27°CDB,19°CWB; outdoor temperature 35°CDB.
2. Nominal heating capacities are based on conditions: indoor temperature 20°CDB; outdoor temperature 7°CDB, 6°CWB.
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