

▶ Mini Chiller R22



Split type
8kW

Split type
10kW-15kW

Integral type
19kW-32kW

Integral type
35kW-45kW

▶ The mini chiller supplies chilled /hot water to indoor fan coil to realize the air conditioning purpose. It is used in the hotel, restaurant, office , villa, etc.



- ◇ Memory restart
- ◇ Safety and reliability thanks to advance compressor balance operation time control
- ◇ Low noise design
- ◇ Interface kit for up to 16 indoor units(FCU/AHU) linked control
- ◇ High and low pressure switch
- ◇ Completed safties:
 - High/low voltage protection
 - Overload protection
 - Phase-inverse/phase-open protection
 - Water depletion/break protection
 - Anti-freezed function



Memory function



Two circuits



Quiet design

Nominal operation condition and operation range

Item	Water side				Air side		
	Nominal operating		Operating range		Nominal operating condition		Operating range
	Inlet water temp.(°C)	Outlet water temp.(°C)	Outlet water temp.(°C)	Temp.difference between inlet & outlet(°C)	Outdoor temp. (DB °C)	Outdoor temp. (WB °C)	Outdoor temp. (DB °C)
Cooling	12	7	7~12	3~8	35	24	16~48
Heating	40	45	45~50	3~8	7	6	-15~28

Split type



Model	Heat pump		HLR8WZ-K	HLR10WSZ-K	HLR12.5WSZ-K	HLR15WSZ-K
Capacity	Cooling	kW	8	10	12.5	15
	Heating	kW	9	11	13	16
EER		W/W	2.65	2.70	2.70	2.70
COP		W/W	3.05	3.05	3.00	3.40
Power supply		V-Ph-Hz	220-240V-1Ph-50Hz			
Power input	Cooling	kW	3.00	3.60	4.50	5.00
	Heating	kW	2.95	3.60	4.40	4.90
Indoor unit (Water side)	Water flow volume	m ³ /h	1.40	1.69	2.20	2.59
		GPM	5	6.2	7.8	9.5
	Head of pump delivery	m	20	20	20	18
	Pump power input	W	550	550	550	550
	Expansion vessel volume	L	5	5	5	5
	Water Outlet/Inlet Diameter	inch	1	1	1	1
	Outline dimension(W×D×H)	mm	1100×450×288			
	Packaged dimension(W×D×H)	mm	1285×682×385			
	Net weight	kg	84	84	84	84
	Gross weight	kg	96	96	96	96
Sound pressure level	dB(A)	40	40	40	40	
Outdoor unit (Air side)	Compressor quantity	Unit	1	2	2	2
	Refrigerant charge volume	kg	3	1.8×2	2.2×2	2.35×2
	Outline dimension(W×D×H)	mm	950×412×840	950×412×1250	950×412×1250	1100×412×1250
	Package dimension(W×D×H)	mm	1110×450×880	1110×450×1280	1110×450×1280	1260×450×1280
	Net weight	kg	90	120	120	140
	Gross weight	kg	100	131	131	160
Sound pressure level	dB(A)	59	62	62	62	
Connection pipe diameter	Liquid	inch	1/2	1/4	3/8	3/8
	Gas	inch	3/4	1/2	5/8	5/8
Loading quantity (Outdoor unit)	20'GP/40'GP40'HQ		52/104/104	26/52/52	26/52/52	21/45/45
Loading quantity (Indoor unit)	20'GP/40'GP40'HQ		65/135/161	65/135/161	65/135/161	65/135/161

Integral type



Model	Heat pump		CHLR19S/A-M	CHLR25S/A-M	CHLR32S/A-M	CHLR35S/A-M	CHLR45S-M
Capacity	Cooling	kW	19	25	32	35	45
	Heating	kW	20	27	34	37	47.5
EER		W/W	2.80	2.78	2.91	3	2.67
COP		W/W	3.05	3.05	3.15	3.36	2.88
Power supply		V-Ph-Hz	380V-3Ph-50Hz				
Power input	Cooling	kW	6.80	9.00	11.00	11.50	16.90
	Heating	kW	6.56	8.85	10.80	11.00	16.50
Build-in chilled water pump	Water flow volume	m ³ /h	3.31	4.28	6.01	6.19	7.99
		GPM	12.1	15.7	22	22.6	29.3
	Head of delivery	m	22	24	25	27	27
	Power input	W	750	750	1500	1500	1500
Build-in expansion vessel volume		L	8	8	8	8	8
Chilled Water Outlet/Inlet Diameter		inch	1	1	1-1/2	1-1/2	1-1/2
Compressor quantity		Unit	2	2	2	2	2
Refrigerant charge volume		lb/kg	2.9×2	3.9×2	5.5×2	6.5×2	7.8×2
Dimension	Outline(W×D×H)	mm	1460×530×1850	1460×530×1850	1460×630×1850	1750×800×1760	1750×800×1760
	Package(W×D×H)	mm	1540×710×2100	1540×710×2100	1540×810×2100	1910×960×1970	1910×960×1970
Net weight		kg	370	390	455	580	670
Gross weight		kg	380	400	470	590	680
Sound pressure level		dB(A)	60	60	60	62	66
Loading quantity	20'GP/40'GP40'HQ		11/23/23	11/23/23	11/23/23	6/12/12	6/12/12