

CHILLER

Mini-chiller R410A



8kW



10kW, 15kW



22kW, 25kW



35kW, 45kW

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



- ◇ Flexible installation thanks to slope up air discharge structure.
- ◇ Water pump.
- ◇ Expansion vessel.
- ◇ Safety valve, auto water replenishing valve, auto air evacuation valve.
- ◇ Detached cooler/heater design, which makes installation more flexible
- ◇ Compact design: the height the cooler/heater is only 288mm(split type)
- ◇ Wide operation range of heat mode in cold season, thanks to the cooler/heater which can be installed in indoor ceiling void to avoid freezing problem



Memory function



Two circuits



Quiet design



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	-	16~48
Heating	40	45	45~50	3~8	7	6	-15~28

Integral Type



Model	Heating Pump		CHLR22SNa-M	CHLR25SNa-M	CHLR35SNa-M	CHLR45SNa-M
Capacity	Cooling	kW	21.5	22.8	31	42
	Heating	kW	25	25	37.5	49
	EER	W/W	2.5	2.6	2.6	2.3
	COP	W/W	2.9	2.8	3.00	2.8
	Power supply	V-Ph-Hz	380-415V-3Ph-50Hz			
Power Input	Cooling	kW	8.6	8.8	11.9	18.3
	Heating	kW	8.6	8.9	12.5	17.5
	Compressor quantity	Unit	2	2	2	2
	Refrigerant charge volume	kg	3.6×2	4.8×2	6.5×2	7.8×2
Build-in chilled water pump	Water flow Volume	m ³ /h	3.3	4.3	5.0	7.9
		GPM	12.1	15.8	18	29
	Head of delivery	m	22	24	25	27
	Power Input	W	750	750	1500	1500
	Build-in expansion tank volume	L	8	8	8	8
	Chilled water outlet/inlet dimension	inch	1	1	1-1/2	1-1/2
Dimension	Outline (L×W×H)	mm	1460×530×1850	1460×530×1850	1750×800×1760	1750×800×1760
	Package (L×W×H)	mm	1540×610×2100	1540×610×2100	1910×960×1970	1910×960×1970
	Net Weight	kg	370	390	680	755
	Gross weight	kg	380	400	690	765
	Sound Pressure Level	dB(A)	66	66	68	68
Loading quantity		20' GP	12	12	6	12
		40' GP	25	25	13	25
		40' HQ	25	25	13	25

Split Type



Model	Heating Pump		CHLR8WZNa-M	CHLR10WZNa-M	CHLR12.5WZNa-M	CHLR15WZNa-M
Capacity	Cooling	kW	7.5	10	12.5	14.2
	Heating	kW	9	12	13	16.5
	EER	W/W	2.1	2.2	2.2	2.5
	COP	W/W	2.7	2.7	2.7	3.1
	Power supply	V-Ph-Hz	380-415V-3Ph-50Hz			
Power Input	Cooling	kW	3.5	4.4	5.7	5.7
	Heating	kW	3.3	4.4	4.8	5.3
	Compressor quantity	Unit	1	1	1	1
	Refrigerant charge volume	kg	3.1	3.55	4.5	5.5
Build-in chilled water pump	Water flow Volume	m ³ /h	1.4	1.7	2.1	2.6
		GPM	5.0	6.3	7.79	9.5
	Head of delivery	m	18	18	18	18
	Power Input	W	550	550	550	550
	Build-in expansion tank volume	L	5	5	5	5
	Chilled water outlet/inlet dimension	inch	1	1	1	1
Indoor unit	Outline dimension (W×D×H)	mm	1100×450×288	1100×450×288	1100×450×288	1100×450×288
	Packaged dimension(W×D×H)	mm	1285×682×385	1285×682×385	1285×682×385	1285×682×385
	Net Weight	kg	84	84	84	84
	Gross weight	kg	96	96	96	96
	Sound Pressure Level	dB(A)	38	38	38	38
Outdoor unit	Outline dimension (W×D×H)	mm	950×412×840	950×412×1250	950×412×1250	950×412×1250
	Package dimension(W×D×H)	mm	1100×450×985	1110×450×1385	1110×450×1385	1260×450×1385
	Net Weight	kg	90	112	115	123
	Gross weight	kg	100	123	126	134
Connection pipe	Sound Pressure Level	dB(A)	60	60	60	60
	Liquid	inch	1/2	1/2	1/2	1/2
		Gas	inch	3/4	3/4	3/4
Loading quantity		20' GP	25	30	30	30
		40' GP	52	63	63	63
		40' HQ	52	64	64	64