



Power supply	Monobloc Unit	V/Ph/H	220-240/1/50
Heating²	Capacity	kW	12,2
	Rated input	kW	2,44
	COP		4,96
Heating³	Capacity	kW	12
	Rated input	kW	3,86
	COP		3,11
Cooling⁴	Capacity	kW	12
	Rated input	kW	3
	EER		4
Cooling⁵	Capacity	kW	11,7
	Rated input	kW	4,3
	EER		2,75
Seasonal space heating energy efficiency class⁷	LWT at 35°C		A+++
	LWT at 55°C		A++
	LWT at 35°C		4,82
	LWT at 55°C		3,46
MOP(Maximum overcurrent protection)		A	35
DC Inv.Compressor	Model		9KD420ZBA21
	Quantity		1
	Twin rotary DC inverter		
	Brand		panasonic
	RPM	rps	3450
	Capacity	W	12250
	Input	W	4495
	Power Supply	Ph-V-Hz	380-415/3/50
	Operating Frequency	Hz	15~120
	Crankcase	W	25
	Compressor refrigerant Oil	ml	1000
	Fan Motor	Model	
Brushless DC motor			
Brand			WOLONG
Insulation Class			E
Safe Class			IP24
Output Power x Fan quantity		W	170*1
Fan	Speed	r/min	870
	Motor type		Axial
	Number of fans		1

Air side heat exchanger	a.Number Of Row		3	
	b.Tube Pitch(a)x Row Pitch(b)	mm	19.05*22	
	c.Fin Pitch	mm	1,5	
	d.Fin Material		Aluminum sheet	
	e.Tube Outside Dia.And Material	mm	φ7.94	
	f.Coil Length x Height x Width	mm	1050*836*5715	
	g.Heat Exchanging Area	m ²	65	
Water pump	brand		Shimge	
	fluid temp		0-110°C	
	Ambient temp		-25-53°C	
	Max pressure		10bar	
	Protection class		IP44	
	Rated prower		230-50/60Hz	
	Type		canned pump	
	Power input		4-95W	
	current		0.04-0.75A	
	Max Rotating speed		4500r/min	
	Insulation class		class F	
	Pump head		9m	
Max Flow		4.5m ³ /h		
Adapter diameter		DN25		
Refrigerant(R32)	Factory charge	kg	1,7	
Throttle type	Electronic expansion valve			
Sound pressure level	Monobloc Unit	dB(A)	52	
Sound power level	Monobloc Unit	dB	65	
Packed dimensions (W×D×H)	Monobloc Unit	mm	1465×550×1095	
Body dimensions (W×D×H)	Monobloc Unit	mm	1385×520×933	
Net/Gross weight	Monobloc Unit	kg	137/149	
Operating temperature range	Cooling	°C	-5 -43	
	Heating	°C	-25- 35	
	DHW	°C	-25-43	
Setting water temperature range	Cooling	°C	5-25	
	Heating	°C	12-65	
	DHW(tank)	°C	30-60	
Water circuit	Piping connections	inch	G1"BSP	
	Safety valve set pressure	MPa	0,3	
	Flow switch	m ³ /h	0,6	
	Expansion tank	Volume	L	8
		Max. water pressure	MPa	0,8
		Pre-pressure	MPa	0,1
	Capacity of the back-up heater	kW	3	
Water side	Type		Plate type	
Wiring	Power wiring	mm ²	10	
Stuffing Quantity	40H/40/20	Unit	66/66/32	
Energy efficiency label data	Colder	55°C	kW	10
		35°C	kW	11
	Average	55°C	kW	12
		35°C	kW	12
	Warmer	55°C	kW	13
		35°C	kW	11

- Note: 1. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.
- Outdoor air temperature 7°C DB, 85% RH.; EWT 30°C, LWT 35°C.
- Outdoor air temperature 7°C DB, 85% RH.; EWT 47°C, LWT 55°C.
- Outdoor air temperature 35°C DB; EWT 23°C, LWT 18°C.
- Outdoor air temperature 35°C DB; EWT 12°C, LWT 7°C.
- Seasonal space heating energy efficiency class tested in average climate conditions.
- Test standard: EN12102-1
- Sound pressure level is the maximum value tested under the two conditions of Notes2 and Notes5.