



Power supply	Monobloc Unit	V/Ph/H	380-415/3/50
Heating2	Capacity	kW	16,1
	Rated input	kW	3,57
	COP		4,51
Heating3	Capacity	kW	16,1
	Rated input	kW	5,53
	COP		2,91
Cooling4	Capacity	kW	15
	Rated input	kW	4,41
	EER		3,4
Cooling5	Capacity	kW	14
	Rated input	kW	5,7
	EER		2,46
Seasonal space heating energy efficiency class7	LWT at 35°C		A+++
	LWT at 55°C		A++
	LWT at 35°C		4,63
	LWT at 55°C		3,43
MOP(Maximum overcurrent protection)		A	28
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		CW170A-ZL
	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	m²	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		4.5m³/h		
Adapter diameter		DN25		
Refrigerant(R32)	Factory charge	kg	1,7	
Throttle type	Electronic expansion valve			
Sound pressure level	Monobloc Unit	dB(A)	55	
Sound power level	Monobloc Unit	dB	68	
Packed dimensions (WxDxH)	Monobloc Unit	mm	1465×550×1095	
Body dimensions (WxDxH)	Monobloc Unit	mm	1385×520×933	
Net/Gross weight	Monobloc Unit	kg	140/151	
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	m³/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	mm²	10	
Stuffing Quantity	40H/40/20	Unit	66/66/32	
Energy efficiency label data	Colder	55°C	kW	12
		35°C	kW	14
	Average	55°C	kW	14
		35°C	kW	16
	Warmer	55°C	kW	14
		35°C	kW	13

- 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% R.H.; EWT 30°C, LWT 35°C.
- Outdoor air temperature 7°C DB, 85% R.H.; 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.