



KS-120WN8BP-B (12K)

DATASHEET



Inverter residential monoblock heatpump KS-120WN8BP-B (12K)

Model name			KS-120W/EN8BP
Power supply			220-240 / 1 / 50
Heating ¹	Capacity	kW	12.1
	Rated input	kW	2.57
	COP		4.70
Heating ²	Capacity	kW	12.1
	Rated input	kW	3.36
	COP		3.60
Heating ³	Capacity	kW	12.3
	Rated input	kW	4.44
	COP		2.77
Cooling ⁴	Capacity	kW	11.9
	Rated input	kW	2.72
	EER		4.36
Cooling ⁵	Capacity	kW	11.6
	Rated input	kW	4.14
	EER		2.80
Seasonal space heating energy efficiency	LWT at 35°C		A+++
	LWT at 55°C		A++
SCOP	LWT at 35°C		4.65
	LWT at 55°C		3.37
SEER	LWT at 7°C		5.02
	LWT at 18°C		8.15
MOP(Maximum overcurrent protection)		A	48
MCA(Minimum circuit amps)		A	39
Water pressure drop		kPa	36
Rated water flow		m ³ /h	2.06
Refrigerant system pressure (Max. / Min.)			4.5MPa / 1.5MPa
Refrigerant	Type		R32
	Charged	kg	1.75
GWP value			675
Equivalent CO ₂			1.181
Compressor	Type		Twin rotary DC inverter
	Brand		Mitsubishi
	Model		MB33FBBMC
	Quantity		1
	Capacity	kW	11.37 (@60ps)
	Input	kW	3.57 (@60ps)
	Current	A	11 (@60ps)
	Oil type / charged		FW68S / 1100ml
Outdoor fan	Motor type		Brushless DC motor
	Number of fans		1
Air side heat exchanger	Material		Hydrophilic aluminum & Inner groove copper tube
	Rows		2.5
	Tube size	mm	Φ7
Fan motor	Fan type		3 blade
	Motor type		BLDC
	Motor model		EHTS03CLQ
	Motor Brand		Panasonic
	Quantity		1
	Speed	rpm	850
Throttle type			Electronic expansion valve
Water side heat-exchanger			Plate heat exchanger
Sound power level ⁶		dBA	64
Sound pressure (1 meter)		dBA	50
Sound power(silent mode)		dBA	59
Sound pressure(silent mode by 1 meter)		dBA	45
Controller (Standard: LCD)			GR-LC07 (NO WiFi) or GR-LC07-1(WiFi) or GR-LC10
Anti-UV cover			NO
Water resistance			IPX4
Water pipe connection	Inlet	mm	Φ33
	Outlet	mm	Φ33
Net/Gross weight	Net/Gross	kg	95/115
	Net	mm	1135*396*803
Dimension (L*W*H)	Packing	mm	1260*488*982
Operating temperature	Cooling	°C	-5 to 43
	Heating	°C	-25 to 35
	DRH	°C	-25 to 43
Note:			
1. Outdoor air temperature 7°C DB, 85% R.H.; EWT 30°C, LWT 35°C			
2. Outdoor air temperature 7°C DB, 85% R.H.; EWT 40°C, LWT 45°C			
3. Outdoor air temperature 7°C DB, 85% R.H.; EWT 47°C, LWT 55°C			
4. Outdoor air temperature 35°C DB, 85% R.H.; EWT 23°C, LWT 18°C			
5. Outdoor air temperature 35°C DB, 85% R.H.; EWT 12°C, LWT 7°C			
6. Test standard: EN12102-1			