



Power supply	380-415V/3Ph/50Hz		
Heating performances	A+7°C; W30/35°C		
	Heating capacity	kW	12,00
	COP (>4.5)		4,75
	A+2°C; W30/35°C		
	Heating capacity	kW	12,00
	COP (>3.5)		3,40
	A-7°C; W30/35°C		
	Heating capacity	kW	11,80
	COP (>2.7)		2,83
	A+7°C; W40/45°C		
	Heating capacity	kW	12,00
	COP (>3.6)		3,55
	A+7°C; W47/55°C		
	Heating capacity	kW	11,50
	COP (>2.9)		2,85
	A+2°C; W47/55°C		
	Heating capacity	kW	11,00
	COP		2,45
	A-7°C; W47/55°C		
	Heating capacity	kW	10,00
	COP		2,05
	A+7°C; W35°C (ErP-average)		
	Prated-NET		11,94
	SCOP-NET		4,91
ηs 30/35-NET	%	193%	
Efficiency class 30/35		A+++	
A+7°C; W55°C (ErP-average)			
Prated-NET		11,96	
SCOP-NET		3,39	
ηs 47/55-NET	%	133%	
Efficiency class 47/55		A++	
Cooling performances	A+35°C; W23/18°C		
	Cooling capacity	kW	11,00
	EER (>3.8)		4,00
	SEER		6,60
	ηs 23/18		261%
	A+35°C; W12/7°C		
	Cooling capacity	kW	10,50
	EER (>3.1)		2,75
	SEER		5,04
	ηs 12/7		199%

Physical data			
Sound levels	Standard unit		
	Sound power level [2]	dB(A)	69
	Sound pressure level [3]	dB(A)	56
Current	Max.	A	9+13.6
Dimensions	Length	mm	1302
	Width	mm	465
	Height	mm	1517
	Package	mm	1364*518*1690
Weight (1)	Standard unit		kg
	Package		kg
Compressors	Compressor type		DC Twin-rotary
	Coproressor qty		1
Refrigerant	Type		R32
	Charge [1]	kg	2,2
Condenser	Copper		Hydrophilic aluminum foil
	Fin type		Hydrophilic aluminum foil
Fans	Fan type		Axial type
	Fan quantity		2
	Rated total air flow		m³/h
	Rated speed		rpm
Evaporator	Type		Brazed plate heat exchanger
	Water volume		L
Hydraulic module			Circulator, relief valve, paddle flow switch, expansion tank
	Circulator		Centrifugal pump (variable speed)
	Expansion tank volume		L
	Auxiliary electrical heater		kW
	Max. water-side operating pressure with hydraulic module [4]		kPa
Water connections	Inlet diameter (MPT GAS)		inch
	Outlet diameter (MPT GAS)		inch
Ambient temperature range	Cooling		°C
	Heating		°C
	DHW		°C
Water outlet temperature range	Cooling		°C
	Heating		°C
	DHW		°C

1. Values are guidelines only. Refer to the unit nameplate.
2. Declared dualnumber noise emission values in accordance with ISO 4871 (with an associated uncertainty of +/-2dB(A)). Measured in accordance with ISO 9614-1.
3. Declared dualnumber noise emission values in accordance with EN12102-1 (with an associated uncertainty of +/-2dB(A)). For information, calculated from the sound power level Lw(A).
4. Min. water-side operating pressure with variable speed hydraulic module is 40 kPa.