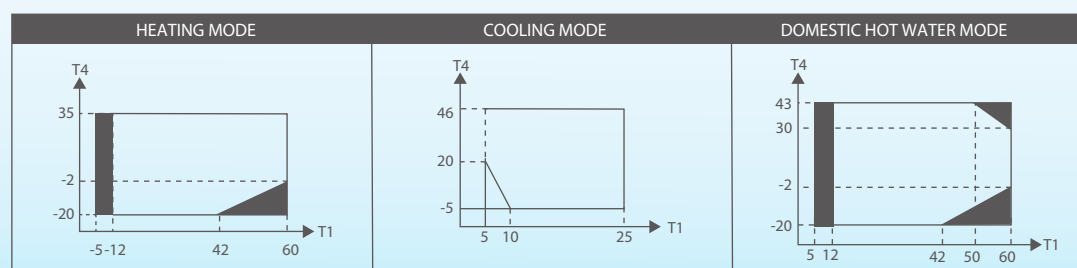


Hydronic box

Hydronic box				SMK-80/CD30GN1 (For use with MHA-V4/6/8W/D2N1)	SMK-160/CD30GN1-B (For use with MHA-V10/12/14/16W/D2N1)	SMK-160/CSD45GN1-B (For use with MHA-V12/14/16W/D2RN1)
Type				Heating&Cooling		
Leaving water temperature range	Space heating	Low	°C	25~55, default 35		
		High	°C	35~60, default 45		
	Space cooling	Low	°C	7~25, default 7		
		High	°C	18~25, default 18		
	Sanitary hot water			°C	40~60, default 45	
Power supply			V/Ph/Hz	220-240/1/50	220-240/1/50	380-415/3/50
Dimension (WxHxD)			mm	400x865x427	400x865x427	400x865x427
Packing (WxHxD)			mm	495x1040x495	495x1040x495	495x1040x495
Net/gross weight			kg	43/51	54/62	54/62
Water circuit	Piping connections Dia.		mm	DN25	DN25	DN25
	Safety valve		kPa	300	300	300
	Total water volume		L	4.7	5.0	5.0
	Drainage pipe		mm	Φ16	Φ16	Φ16
	Expansion tank	Volume	L	3	3	3
		Max. water pressure	kPa	800	800	800
		Pre pressure	kPa	150	150	150
	Water side heat exchanger	Type		Plate type heat exchanger	Plate type heat exchanger	Plate type heat exchanger
		Volume	L	0.7	1.0	1.0
	Water pump head		m	6	7.5	7.5
Refrigerant circuit	Liquid side Dia.		mm	Φ9.5	Φ9.5	Φ9.5
	Gas side Dia.		mm	Φ15.9	Φ15.9	Φ15.9
Mounted Back-up electric heater	Size		kW	3.0	3.0	4.5
	Step			2	2	2
	Power supply			220-240/1/50	220-240/1/50	380-415/3/50

Nominal capacity is based on the following conditions:

- Condition 1: Heating mode air inlet at 7°C and water outlet at 35°C with ΔT at 5°C, Cooling mode air inlet at 35°C and water outlet at 18°C with ΔT at 5°C
- Condition 2: Heating mode air inlet at 7°C and water outlet at 45°C with ΔT at 5°C, Cooling mode air inlet at 35°C and water outlet at 7°C with ΔT at 5°C
- Noise level is test at 1m in open field fan side, in heating mode with air inlet at 7°C and water outlet at 35°C with ΔT at 5°C.
- The above data test reference standard EN14511



T4 Ambient temperature(°C)

T1 Water flow temperature(°C)

■ No heat pump operation, backup electric heater or boiler only.