

Electrical specifications of the backup heaters and booster heaters												
Backup heater	Type			9W			4V					
	Capacity setting		[kW]	1 - 9	1 - 6		1 - 4.5					
	Capacity stage · ·			9	6		9					
	Capacity stage ·1·		kW	1	1		0.5					
	Capacity stage ·2·		kW	2	2		1					
	Capacity stage ·3·		kW	3	3		1.5					
	Capacity stage ·4·		kW	4	4		2					
	Capacity stage ·5·		kW	5	5		2.5					
	Capacity stage ·6·		kW	6	6		3					
	Capacity stage ·7·		kW	7	-		3.5					
	Capacity stage ·8·		kW	8	-		4					
	Capacity stage ·9·		kW	9	-		4.5					
	Minimum time delay between stages	Max net change ≤ ·1· kW			10s							
		Max net change ≤ ·2· kW			40s							
		Max net change > ·2· kW			150s							
	Power supply (1)	Voltage		390 - 410V		220 - 240V		390 - 410V		220 - 240 V		
		Capacity		9kW		6kW		4.5kW				
		Rated current		13A		13A	26.1A ⁽²⁾	6.5A	13A	19.6A ⁽²⁾	17A ⁽²⁾	19.6A ⁽²⁾
		Phase		3N~		1N~		3N~	1N~		3~	2~
		Frequency		50Hz								
Type of wires			Must comply with national wiring regulation									
			Min. ·2.5· mm²		Min. ·6· mm²		Min. ·2.5· mm²		Min. ·4· mm²	Min. ·2.5· mm²	Min. ·4· mm²	
			·5·-wire cable		·3·-wire cable		·5·-wire cable		·3·-wire cable	·4·-wire cable	·3·-wire cable	
			3L+N+GND	2L+2N+GND	L+N+GND	3L+N+GND	2L+2N+GND	L+N+GND	3L+GND	2L+GND		
Recommended overcurrent protection			4-pole ·16· A		2-pole ·32· A	4-pole ·10· A	4-pole ·16· A	2-pole ·25· A	4-pole ·20· A	2-pole ·25· A		
Earth leakage circuit breaker			Must comply with national wiring regulation									
Booster heater (optional)(·*KHW ·*· models)	Capacity setting		[kW]	3								
	Capacity stage · ·			1								
	Minimum time delay between stages			Note ·3·								
	Nominal running current	+EK·V3	A	13								
Notes	(1)	The above-mentioned power supply of the hydrobox is for the backup heater only. The optional domestic hot water tank has a separate power supply.										
	(2)	The equipment complies with EN/IEC 61000-3-12.										
	EN/IEC 61000-3-12	European/International Technical Standard setting the limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and ≤ 75 A per phase.										

