

Electrical specifications of the backup heaters and booster heaters

Backup heater	Type			EKECBU*3V			EKECBU*6V				EKECBU*9W					
	Capacity setting			[kW]	1	1-2	1-2-3	2 - 4	2 - 6	-2-4- (in case of emergency: -2-6-)		3 - 6	3 - 9	-3 - 6- (in case of emergency: -3 - 9-)		
	Capacity stage -1-				(4)			2	2	2	2	2	2	2	2	
	Capacity stage -1'			kW				2	2	2	2	3	3	3	3	
	Capacity stage -2-			kW				4	6	4	6	6	9	6	9	
	Minimum time delay between stages				-			Note -5-				Note -5-				
	Power supply (1)	Phase						1~				3~				
		Frequency			Hz				50							
	Voltage				V				230 +-10%				400 +-10%			
	Current	Nominal running current			A	4.4	8.7	13.1	17,4	26,1	17,4	26,1	8,7	13	8,7	13
		Zmax (backup heater)			Ω	-							-			
					Complex	-			0.22				-			
Minimum Ssc value				kVA	-			(3)				-				
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)	In accordance with EN/IEC 61000-3-11, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with Zsys ≤ Zmax.														
	(3)	The equipment complies with EN/IEC 61000-3-12.														
	(4)	For the 3V model, the system variably choses from 3 available capacity steps the adequate capacity for the given operating conditions.														
	EN/IEC 61000-3-11	European/International Technical Standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated current ≤ 75 A.														
	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.														
	Zsys	System impedance														

