EHBH-E6V
EHBH-E9W
EHBX-E6V
EHBX-E9W

Electrical specifications of the backup heaters and booster heaters

Backup heater	Type				6V					9W				
	Capacity setting			[kW]	2 - 4	2 - 6	·2-4· (in case of emergency: ·2-6·)		6	3 - 6	3 - 9	·3 - 6· (in case of emergency: ·3 - 9·)		
	Capacity stage · ·				2	2	2	2	1	2	2	2	2	
	Capacity stage ·1·			kW	2	2	2	2	6	3	3	3	3	
	Capacity stage ·2·			kW	4	6	4	6	-	6	9	6	9	
	Minimum time delay between stages				Note ·4·					Note ·4·				
	Power supply (1)	Phase			1~				3~	3~				
		Frequency		Hz	50									
		Voltage		V	230 +-10%					400 +-10%				
	Current	Nominal running current		A	17,4	26,1	17,4	26,1	15	8,7	13	8,7	13	
		Zmax (backup (2)		Ω						-				
				Complex	0,22				-	-				
		Minimum Ssc value		kVA	(3)					-				
Booster heater (optional)(·*KHW*· models)														
	Capacity setting			kW	3									
	Capacity stage · ·				1									
	Minimum time delay between stages				Note ·5·									
	Nominal running current		+EK*V3	A	13									
	Booster heater		+EK*Z2		-				75					
	Zmax	Booster heater (2)		Ω	-									
				Complex	-									
	Nominal running current	Backup heater ·+·	Booster heater	Backup heater ·+ EK*V3·	A	30,4 (17,4+13)	39,1 (26,1+13)	30,4 (17,4+13)	39,1 (26,1+13)	28 (15 + 13)	21,7 (8,7+13)	26 (13+13)	21,7 (8,7+13)	26 (13+13
				Backup heater ·+ EK*Z2·	A					22,5 (15 + 7,5)	16,2 (8,7+7,5)	20,5 (13+7,5)	16,2 (8,7+7,5)	20,5 (13+7,5)
	Minimum Ssc value	Backup heater ·+·	Booster heater ·+ EK*V3·		kVA	(3)								
			Booster heater ·+ EK*Z2·		kVA	-				(3)	-	(3)	-	(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.
	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