

ETSH12E
ETSHB12E
ETSX12E
ET SXB12E

Electrical specifications of the backup heaters and booster heaters

Type	EKECBU*3V			EKECBU*6V				EKECBU*9W						
	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 setting			[kW]											
Capacity stage -1-														
Capacity stage -2-														
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)	(2)	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 $Z_{sys} \leq Z_{max}$.
(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

