

Electrical specifications of the backup heaters and booster heaters													
Backup heater	Type			4V					9W				
	Capacity setting		[kW]	1.5 - 3	1.5 - 4.5	1.5-3 (in case of emergency: 1.5-4.5)		4.5	3 - 6	3 - 9	3 - 6 (in case of emergency: 3 - 9)		
	Capacity stage - 1			2	2	2	2	1	2	2	2	2	
	Capacity stage - 1		kW	1.5	1.5	1.5	1.5	4.5	3	3	3	3	
	Capacity stage - 2		kW	3	4.5	3	4.5	-	6	9	6	9	
	Minimum time delay between stages			Note -4-					Note -4-				
	Power supply (1)	Phase		1~					3~	3N~			
		Frequency		Hz	50								
		Voltage		V	230 +/-10%					400 +/-10%			
	Current	Nominal running current		A	13	19.6	13	19.6	11.3	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.											
	(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											

Note - 4-

