

**Water heater**

**Technical Specifications Data**

**Thermo Pro 90  
Thermo Pro 90 HDD**

Thermo Pro 90 12 V Diesel - ADR (Transport of dangerous goods)

Thermo Pro 90 24 V Diesel - ADR (Transport of dangerous goods)

Thermo Pro 90 HDD 24 V Diesel - ADR (Transport of dangerous goods)

4 Technical data

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Heater		Thermo Pro 90 Diesel	
		12 V	24 V
Approval mark	ECE R122 (heating) ECE R10 (EMC)	E1 00 0320 E1 04 6196	
Design		Water heater	
Heat flow	Max. Control range	9.1 kW 1.8 to 7.6 kW	
Fuel		Diesel DIN EN 590 PME DIN EN 14214	
Fuel consumption Fuel consumption over control range	Maximum (+/- 10%) Control range (+/- 10%)	1.1 l/h 0.2 to 0.9 l/h	
Rated voltage		12 Volt	24 Volt
Operating voltage range		10.5 to 15.5 Volt	20 to 31.5 Volt
Rated power consumption without coolant pump and vehicle blower over control range [W] (max.)		≤ 90 W 37 to 83 W	
Permissible ambient temperature: Heater (incl. control unit): - Operation - Storage Fuel pump: - Operation - Storage		-40 to +80 °C -40 to +125 °C (heater off, operating voltage may be applied) -40 to +30 °C -40 to +85 °C	
Permissible working pressure of coolant		2.0 bar	
Capacity of the heat exchanger		0.15 l	
Max. combustion air intake temperature		+40°C	
Minimum volume in coolant circuit		6.0 l	
Specific volumetric coolant flow	against 0.15 bar	1650 l/h	
DP42: fuel pump: specific volumetric fuel flow	Diesel:	115 ml/(stroke*Hz)	
DP42 fuel pump: rated voltage		7 - 10 V (PWM actuation)	
CO <sub>2</sub> in exhaust gas (permitted function range)		9 to 12 Vol.-%	
CO <sub>2</sub> setting (at 20 °C and 1010mbar)		10.1 Vol.-%	
Heater dimensions (tolerance ± 3 mm)	Length/length* (length of control unit as far as intake connection to coolant pump)	L = length: 355 (381*) mm W = width: 131 mm H = height: 232 mm	
Weight		4.9 kg	