

## Thermo Pro 90

Light and robust



The Thermo Pro 90 is designed especially for use in large commercial and special vehicles and in minibuses. It heats up the engine very quickly to optimum starting temperatures. Both fuel consumption and exhaust emissions are therefore reduced in the starting phase. New functions such as altitude compensation, Arctic Start and sliding heating capacity control allow new areas of application, even under extreme conditions.

- Engine-independent heating mode for commercial vehicles with up to 9.1 kW heating capacity
- Highly efficient combustion technology
- An extremely high-quality product with a long service life
- Automatic altitude compensation as standard
- Available for retrofit and as original equipment



Trucks



Light-duty Vehicles



Buses



Off-highway



Defense



Special Vehicles

## Technical data

| Thermo Pro 90   |  |
|---|--|
|   | Diesel   |
| ECE approval number ECE R122 (heating)                                | E1 00 0320   |
| ECE approval number ECE R10 (EMC)                                     | E1 04 6196   |
| Heating capacity, part load/full load/boost (kW)                      | 1.8/7.6/9.1  |
| Fuel consumption, part load/full load/boost (l/h)                     | 0.15/0.90/1.1  |
| Nominal voltage (V)   | 12 <span style="float: right;">24</span>   |
| Rated power consumption without coolant pump, part load/full load (W) | 37/80  |
| Fuels   | Diesel EN 590; 100 % FAME DIN EN 14214;<br>Heating oil (EL) DIN 51603;<br>NATO fuels F34, F58, F63 |
| Operating temperature range (°C)                                      | -40 to +80   |
| Dimensions L x W x H (mm)   | 381 x 131 x 224  |
| Weight (kg)   | 4.9  |
| Automatic altitude compensation (m)                                   | 3,500  |
| Coolant pump U4840  |  |
| Volume flow against 0.31 bar (l/h)                                    | 700  |
| Dimensions L x W x H (mm)   | 134 x 53 x 90 (incl. connections)  |
| Weight (kg)   | 0.4  |

\*About 20 – 40 % of the stated fuel consumption is compensated for by the reduced consumption of the preheated engine.

### Scope of delivery

- Heater, Coolant pump U4840, Fuel pump DP42

### Installation kit

- Heater cable harness, Fuel pump cable harness,  
Fuel hose Da 5/Di 2/L 6000, Molded coolant hose  
Di 20/Da 29/L 2200, Flexible stainless steel exhaust pipe  
D1 38/L 1000, Combustion air intake muffler D 30/L 1160,  
Exhaust muffler, Heater mount

### Control elements

- Rotary switch with function indicator  
12/24 V, switching current 15 amps,  
green light to indicate operation, with switch  
position plate and connection plugs



- MultiControl HD

12/24 V, cover panel dimensions (L x W)  
68 x 48 mm, installation depth: 15 mm, quick  
and intuitive operation thanks to a large TFT  
display and multifunction button, status display  
of operating states via multicolored LED, self-  
explanatory menu control for heating, ventilation  
and timer control, 3 preselectable on-times per  
day, programmable for 7 days in advance,  
internal temperature sensor/display of room  
temperature on display, diagnostic interface for  
W-bus heaters and Thermo Test



- Standard digital timer

12/24 V, integrated wake-up function,  
3 preselectable on-times per day, programmable  
7 days in advance, continuous heating possible,  
in the case of DBW 2010/2016 and  
Thermo 230/300/350 operation is only possible  
in combination with relays, cover panel  
dimensions (L x W): 89 x 42 mm, installation  
depth including plug: 51 mm, limited availability  
due to end of production

