

## Valeo Thermo plus 230/300/350

Upgraded successor of well known Thermo and Thermo S large water heater family



The new Thermo plus series is significantly shorter and lighter than its predecessors, and has an extended service life while producing less starting noise and exhaust emissions. These powerful water heaters based on nozzle burner principle deliver outstanding heating performance with reduced fuel consumption of up to 4,5% compared to its predecessor series. Thermo plus heaters ensure optimal operating temperature of heavy-duty diesel engines before their initial start-up, thus preserving crucial engine lifespan and prolonging intervals between mandatory services. During stand-by phases, it also keeps a comfortable temperature for the drivers and operators of construction vehicles, without infliction of unnecessary stress to the engine and environment.

The supplementary heating function ensures a comfortable interior temperature for public transportation vehicles or tourist buses during their operation. Comfortable temperature levels in the passenger cabin are quickly established even without the main engine running, thus guaranteeing customer satisfaction by any weather and outside condition.

- Lower vehicle fuel consumption due to reduced heater weight
- Brushless EC motor enables extended running times and decreases the power consumption up to 16%
- Lower internal consumption of the heater over a heating period
- Reduced exhaust emissions when starting
- Less starting noises
- Maintenance-friendly



Truck



Bus



Rail\*

## Technical specifications

	Thermo plus 230	Thermo plus 300	Thermo plus 350
	Diesel		
ECE approval number ECE R122 (heating)	E1 00 0466	E1 00 0467	E1 00 0468
ECE approval number ECE R10 (EMC)	E1 05 7559		
Heating capacity (kW)	23	30	35
Fuel consumption (l/h)	2.5	3.0	3.6
Nominal voltage (V)	24		
Rated power consumption without coolant pump (W)	60	90	120
Fuels	Diesel EN 590, FAME EN 14214 (max. 20%), Paraffinic Fuel EN 15940 (HVO, GTL)		
Operating temperature range (°C)	-40 to +100		
Dimensions L x W x H (mm)	540 x 250 x 222		
Weight (kg)	16.8		
	Coolant pump U4814/Aquavent 5000	Coolant pump U4854/Aquavent 5000S	Coolant pump U4856/Aquavent 6000SC
Volume flow against 0.2 bar (l/h) / 0.4 bar (l/h) (6000SC)	5,000	5,000	6,000
Dimensions L x W x H (mm)	229 x 100 x 105	249 x 100 x 105	229 x 110 x 115
Weight (kg)	2.1	2.2	2.5

\* Information on rail-certified devices on request.

## Scope of delivery

- Heater, Wiring Harness

## Control elements

- On/Off toggle switch
  - Status display via LED
  - Suitable for ADR
  - Installed in dash (requires drilling)
- UniControl
  - Status display via multicolored LED
  - 3 preselectable on-times per day programmable 7 days in advance
  - Suitable for ADR
  - Mounted in universal mounting box