

DBW 2010, DBW 2016

Robust water heating system for medium to heavy commercial vehicles



The tried-and-true solution for the high-powered vehicle class:
Efficient, reliable technology with 10 or 16 kW of heating
power for warming large engines and heating the driver's cab
and cargo hold.

- Fast and reliable operation, even at cold temperatures
- Robust technology with easy maintenance
- Reduction of engine idle times due to additional (parking) heating



Truck



Light-duty Vehicles



Bus



Rail



Off-Highway



Defense



Special Vehicles

Technical specifications for heaters

		DBW 2010	DBW 2016
		Diesel	Diesel
ECE approval number	ECE R122 (heater)	–	
	ECE R10 (EMC)	–	
EG type approval number	(heater)	e1*2001/56*2006/119*0006*__	e1*2001/56*2006/119*0001*__
	(EMC)	e1*72/245*2009/19*1087*__	e1*72/245*2006/96*4086*__
Heating performance (kW)	Control range	11.6	16.0
Fuel consumption (kg/h)	Control range	1.5	1.8
Nominal voltage (V)		12/24	
Nominal power consumption (W) (without circulation pump) (with circulation pump U4846)	Control range	60	90
		85	115
Fuels		Diesel EN 590 Heating oil (EL)	
Operating temperature range (°C)		–40 to +60	
Dimensions L x W x H (mm)		584 x 205 x 228	
Weight (kg)		15.0	

Technical specifications for circulating pump

		U4846
Volume flow (l/h)	Approx. 0.15 bar	700
Dimensions L x W x H (mm)		180 x 74 x 112 (incl. connectors)
Weight (kg)		0.7

Technical specifications for circulating pump

		Aquavent 5000 (U4814)
Volume flow (l/h)	Approx. 0.2 bar	5,200
Dimensions L x W x H (mm)		221 x 100 x 105
Weight (kg)		2.1

Additional Specifications for Rail Heaters

		DBW 2016
Heater rail approval	Type approval number	EBA 31AZ3/0039/13
Specific market	Heater type approval	DIN EN 50155, DIN EN 50125-1
	EMV	DIN EN 50121-3-2:2006
	Fire protection	DIN EN 45545-2 (08/2013), R24
Operation voltage range (V)		20-28
Vibration/Shock		DIN EN 61363 Category 1