

CONTENTS

CLIMATE

Parking heater D5WSC	4
Parking heater Thermo 90ST	5
Parking heater FL/FE	6
Air heater	7
Electric engine and cab heater	8
Electrical engine heater FL/FE	10
Cab heater	11
Timer	12
Short stop heater	13

CLIMATE



CLIMATE

Parking heater D5WSC



- Small, convenient stepless heater
- High efficiency of 5,0 kW
- Even distribution of heat through the truck's standard heating ducts
- Provides a comfortable environment for sleeping whilst operating at minimum noise levels
- Tailored installation for each vehicle type
- The heater is easily controlled by a timer and thermostat
- ADR-approved

Technical data		
Dimensions LxWxH	250x86x182	
Weight	2.9 kg	
Voltage	24 V	
	Full power	Reduced power
Output	5.0 kW	2.4kW
Power consumption incl. circ. pump	53 W	23 W
Fuelconsumption	0.62 l/h	0.27 l/h

D5WSC	FL	
Basic kit	20400542	L.H.D.
	20401172	R.H.D.
Timer	1078468	

Parking heater Thermo 90ST



- Small, convenient stepless heater
- High efficiency of 9,1 kW
- Even distribution of heat through the truck's standard heating ducts
- Provides a comfortable environment for sleeping whilst operating at minimum noise levels
- Tailored installation for each vehicle type
- The heater has an on-off button on the dashboard
- Timer function in the vehicle's main display

Limitations

Thermo 90S cannot be fitted to the following models:

- RHD models

Technical data		
Dimensions LxWxH	339x133x234	
Weight	4.8 Kg	
Voltage	24 V	
	Full power	Reduced power
Output	9,1 KW	7,6-1,8 KW
Power consumption incl. circ. pump	83 W	65-37 W
The same applies during the start phase	90-110 W	
Fuel consumption	0,96 l/h	0,77-0,19 l/h

Thermo 90ST

FH/FM W0202-	Part No.	
Basic kit (does not fit RHD)	21260616	
Supplementary kit 9 L engine	20409881	
Supplementary kit 12 L engine	20409882	
Supplementary kit 12 L engine with turbo C	20409883	
Supplementary kit 13 L engine	20996058	
Supplementary kit 16 L engine	20996059	
Conversion kit to activate timer in instrument cluster	85104368	*)

*) This part number will be ordered by entering the conversion kit number in VCADS-PRO.

Parking heater FL/FE

- Effective and reliable – gives a quick warming up
- Quiet operation

Cab parking heater

The low energy diesel driven parking heater gives a quick warming up.

It is located behind the passenger seat and has a quiet operation.

By selecting temperature on the climate unit, in the dashboard, the heat is regulated automatically – capacity varies between 900 and 2000 W.

The parking heater has one dashboard switch for direct start and stop. Starting the heater via the switch gets it running for 10 hours or until it is switched off manually.

Heater information and settings are shown via the driver information display. When starting the heater with the TEA-stalk (Truck Electronic Architecture), the running time can be set in a 10 minutes interval for up to 120 min.

Parking heater FL

Suitable for	Parking heater kit	Cable kit	
		LHD	RHD
L2H1 (big bed + without bunk)	20849788 + 20717769	20892260	20892261
L2H1 (small bed)	20849787		
L4H1C (crew cab)	20849785		

Parking heater FE

Suitable for	Parking heater kit	Cable kit	
		LHD	RHD
L3H1, RHD	20849793		20941009
L3H1, LHD	20942638	20941008	
L2H1	20849792 + 20717769	20941008	20941009

Air heater



- Easily located in the cab, easy to install
- No heating losses, quick warming up
- Reliable, short service time
- Automatic effect regulation
- Low power consumption
- Quiet
- Cannot be combined with a parking heater

By setting a pre-selected temperature on the integrated thermostat, heating is regulated automatically on FH/FM. Capacity 900–2000 W.

Technical data	High	Low
Heating effect	2000 W	900 W
Fuel consumption	0,24 l/h	0,12 l/h
Power consumption, operation	22 W	9 W

AT 2000 S	FM L1E Version2		FM L2 Version2		FH L2 Version2	
Basic kit	21085996	*)	21085996	*)	21085996	*)
Supplementary kit	20409886		20409887		20409888	
Conversion kit to activate timer in instrument cluster	85104369	**)	85104369	**)	85104369	**)

The air heater may not be used in ADR-specification trucks.

**) Air Top 2000S*

***) This part number will be ordered by entering the conversion kit number in VCADS-PRO. See service information for programming of the instrument cluster MID171 after installing the conversion kit.*

Electric engine and cab heater



- Easily fitted
- A warm engine reduces fuel consumption and engine wear and quickly produces heat for the cab.
- Small, efficient cabin heater which is easy to position

Engine heater of probe type, adapted to Volvo's engines. Fitting is quick and reliable.

High output – 1100 and 1500 W respectively.

Very simple to extend with cab-connection kit and cab fan.

The fan heater is one of the best on the market for effective utilisation of the heater's capacity of 550 or 1100 W.

Description	FH12		FH16	FM7	FM10/12	
Electric engine heater 1500W	8154458		1622521	20562925	20562922	1)
					20562926	2)
Electric engine heater 1100W	20460596	3)			20460596	3)
Installation kit	20562921		20562921	20562927	20562927	
Connection cable 5 m	3986351		3986351	3986351	3986351	
Connection cable 5 m	8153706		8153706	8153706	8153706	
Cab connector kit	20562919		20562919	20562918	20562918	

1) FM10

2) FM12

3) D12D

Description	FH/FM W0202- 9l	FH/FM W0202- 12l	FH/FM W0541- 13l	FH16 W0335- 16l
Electric engine heater 1500W			20547412	20913825
Electric engine heater 1100W	20412169	20460596		
Installation kit	20398719	20398719	20398719	20398719
Connection cable 5 m	3986351	3986351	3986351	3986351
Cab connector kit	20562917	20562917	20562917	20562917

Description	FL12	FL6 ¹⁾ , FL7 ³⁾ , FL10, FLC F10/12/16 NL		FL6 W0021-	FL7 ⁴⁾
Electric engine heater 1500W	8154458	1622521		20562923	20562922
		11090394	2)		
Electric engine heater 1100W		1089610			20460596
Installation kit	20562928	20562928			20562927
Connection cable 5 m	3986351	3986351			3986351
Connection cable 5 m	8153706	8153706			8153706
Cab connector kit	20562916	20562916		20562920	20562918
Cab heater kit 550/1100W	20360553	20360553			20360553

¹⁾ FL6 -W0021

¹⁾ Incl. installation kit.

²⁾ FLC

³⁾ Excl. TD73E/ES

⁴⁾ TD73E/ES, D7A/B

Electrical engine heater FL/FE



- Makes it easier to start the truck's engine in cold climate.
- The engine reaches its operating temperature more quickly, which reduces engine wear and gives a more effective heating of the cab.
- Cuts exhaust emissions, which result in less damage on the environment.

By preheating the coolant with an engine heater, engine wear is reduced and starts are easier. This results in lower exhaust emissions and thus also less burden on the environment.

The electrical immersion heater is fitted directly into the engine block and provides effective heating. It uses 220 volts (AC) from a regular wall socket and a cable with the appropriate connector is included in the cab.

The heater is rated at 0.8 kW and is fitted on the right side of the engine ahead of the turbocharger, where it is bolted to the engine block.

All the wires leading from the connector to the engine block are protected in a plastic-coated and hot-galvanised steel pipe.

Description	Suitable for	Part No.
Electrical engine heater kit	FL/FE	85124244
Mounting kit	FL	20935862
	FE	20935863

Cab heater



- Cab heater with Volvo Iron Mark logo.
- Easy to place. A fixation to the floor cab is recommended by placing the metal rest under the floor mat on the passenger side.
- Thin (only 35 mm) and with high performance.
- Adjusts automatically to the surrounding temperature and has outputs of 1400W at -25°C.
- S-marked.

Technical data

Outputs	1400W at -25°C, 230V
Length x width x height	178x140x35 mm
Weight with connecting cable	550 gram
Length of connecting cable	950 mm

Description	Suitable for	Part No.
Cab Heater	FH, FM, FE, FL	21251194

Timer



- The analog quartz timer is simple, robust and thoroughly tested
- Digital timer with wake-up alarm and other functions, for FH

Volvo FH Series trucks can now be fitted with timer 1078468, which has normal clock functions as well as an alarm facility, direct start/stop and timer start for the parking heater.

The timer is mounted in two switch sockets.

Technical data	Analog quartz	Digital
Pre-settings	1 mode	Wake-up alarm. P-heater start.
Pre-setting	1 day	1 day
Operational period	1 hour	1 hour after pre-set time, or up to 24 hours after direct start.
Nominal voltage	24 V	24 V
Operational voltage	18–30 V	20–30 V
Current consumption	20–60 mA	1 mA
Load (max.)	5 A	1 A
Operational accuracy	ca 1 sec/day	±4,5 sec/day
Ambient temperature	–40 – +70°C	–40 – +70°C
Built-in measurements	52 mm Ø	2 switch sockets
Timer	1598600	1078468 *)

**) When installing a space heater timer, 1 wiring harness P/N 8159618 is needed.*

For FL6 Wiring harness: 3181284, Thermostat: 1078469

Short stop heater



- Maintains cab temperature
- Raises comfort levels

The cab temperature is maintained several hours after the engine has been switched off.

Intended for use during short stops.

A pump circulates the hot coolant which thus distributes excess heat from the engine to the truck's climate unit. Warm air is blown into the cab via the standard ventilation ducts.

Cannot be used in combination with a parking heater.

FH/FM	Basic kit	Suppl. kit
FH/FM W0202-0548 (does not fit RHD)	21410719	
FH/FM W0549- (does not fit RHD)	21410720	
9L engine		20409881
12L engine		20409882
12L engine with turbo compound		20409883
13L engine		20996058
16L engine		20996059