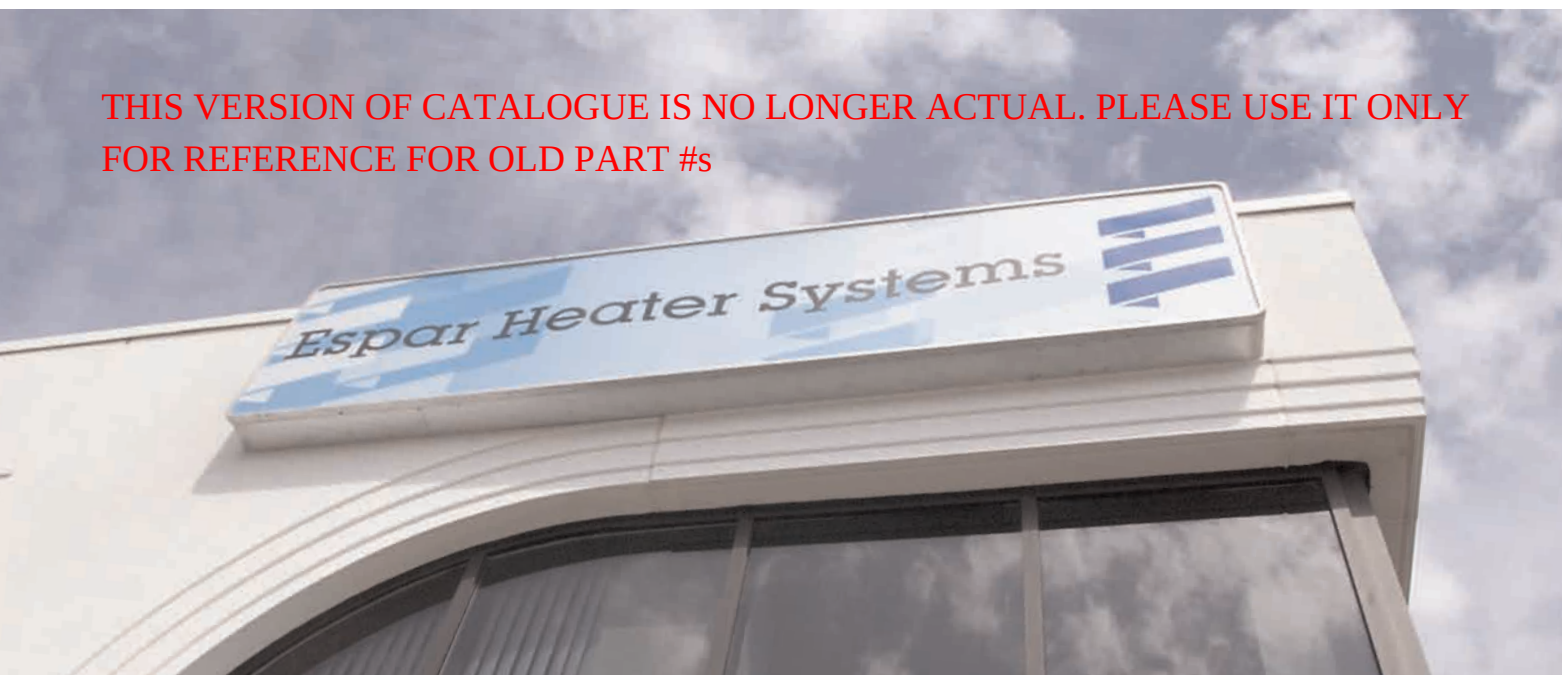


Improving the environment

THIS VERSION OF CATALOGUE IS NO LONGER ACTUAL. PLEASE USE IT ONLY
FOR REFERENCE FOR OLD PART #s



New beginnings...

THIS VERSION OF CATALOGUE IS NO LONGER ACTUAL. PLEASE USE IT ONLY FOR REFERENCE FOR OLD PART #s

SAP and current Numeration:

Espar has been working with their parent company, Eberspaecher to implement a new computer system called SAP (**S**ystems **A**pplication **P**roducts of data processing). SAP numeration will be replacing our current numeration for all inventory management functions for Espar.

This catalogue contains the new SAP part numbers. For any product numbers that changed due to SAP the old part number can be found in brackets.

For your convenience all manuals can be found at www.espar.com/help with heater specific parts listing

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Gasoline Air Heaters

Description

Part Number

B1LC compact 7,500 BTU

Basic Heater 12 volt with fuel pump

20 1766 05 00 00

**AIRTRONICB4** 18,800 BTU

Basic Heater 12 volt with fuel pump

20 1812 05 00 00

**AIRTRONICB5** 18,800 BTU

Basic Heater 12 volt with fuel pump with outlet hood

20 1859 05 00 00



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Diesel Air Heaters

Description

Part Number

AIRTRONIC 2 7,500 BTU

Basic Heater 12 volt with fuel pump

25 2069 05 00 00

Basic Heater 24 volt with fuel pump

25 2070 05 00 00



AIRTRONIC 4 13,600 BTU

Basic Heater 12 volt with fuel pump

25 2113 05 00 00

Basic Heater 24 volt with fuel pump

25 2114 05 00 00



AIRTRONIC 5 18,800 BTU

Basic Heater 12 volt with fuel pump with outlet hood

25 2361 05 00 00

Basic Heater 24 volt with fuel pump with outlet hood

25 2362 05 00 00



D8LC compact 27,300 BTU

Basic Heater 12 volt with control unit, internal cable harness, fuel pump, rheostat switch, external temperature sensor, combustion air tube, mounting bracket and shock mounts

25 1890 00 00 00

Basic Heater 24 volt with control unit, internal cable harness, fuel pump, rheostat switch, external temperature sensor, combustion air tube, mounting bracket and shock mounts

25 1891 00 00 00



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Gasoline Coolant Heaters

Description

Part Number

HYDRONIC B4 SC 13,700 BTU

Basic Heater 12 volt

20 1824 05 00 00

**HYDRONIC B5 SC** 17,100 BTU

Basic Heater 12 volt with external fuel pump

20 1820 05 00 00

**HYDRONIC B5 S** 17,100 BTUBasic Heater 12 volt with external water pump
and fuel pump

20 1819 05 00 00



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Diesel Coolant Heaters

Description

Part Number

HYDRONIC D4 SC 13,700 BTU

Basic Heater 12 volt

25 2257 05 00 00



HYDRONIC D5 SC 17,100 BTU

Basic Heater 12 volt

25 2219 05 00 00

Basic Heater 12 volt with external fuel pump

25 2325 05 00 00

Basic Heater 24 volt with external fuel pump,
coolant in/out 20mm

25 2147 05 00 00



HYDRONIC D5 S 17,100 BTU

Basic Heater 12 volt with external water pump
and fuel pump

25 2217 05 00 00

Basic Heater 24 volt with external water pump
and fuel pump, coolant in/out 18mm

25 2218 05 00 00

Basic Heater 24 volt with external water pump
and fuel pump, coolant in/out 20mm

25 2146 05 00 00

SPECIAL ORDER



HYDRONIC 5 Z 17,100 BTU

Basic Add Heater 12 volt

25 2216 05 00 00



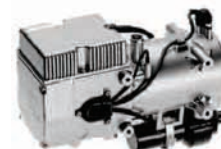
HYDRONIC 10/M 32,400 BTU

Basic Heater 12 volt with Fuel Pump

25 2160 05 00 00

Basic Heater 24 volt with Blinkcode

25 2227 05 00 00



HYDRONIC M-II 27,300, 32,450, 42,000 BTU

Hydronic M8 biodiesel 12 volt

25 2470 05 00 00

Hydronic M8 biodiesel 24 volt

25 2471 05 00 00

Hydronic M10 12 volt

25 2434 05 00 00

Hydronic M10 24 volt

25 2435 05 00 00

Hydronic M12 12 volt

25 2472 05 00 00

Hydronic M12 24 volt

25 2473 05 00 00

Universal Installation Kit

25 2435 80 00 00



HYDRONIC 16 / 24 / 30 / 35

HYDRONIC L 16

25 2486 02 00 00

HYDRONIC L 24

25 2487 02 00 00

HYDRONIC L 24 Compact

25 2487 05 00 00

Water pump **Flowtronic 5000** and fuel filter pre-assembled

HYDRONIC L 30

25 2488 02 00 00

HYDRONIC L 30 Compact

25 2488 05 00 00

Water pump **Flowtronic 5000** and fuel filter pre-assembled

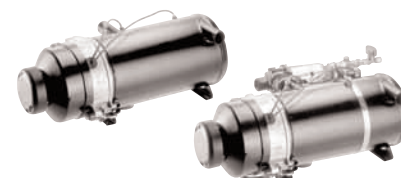
HYDRONIC L 35

25 2489 02 00 00

HYDRONIC L 35 Compact

25 2489 05 00 00

Water pump **Flowtronic 5000** and fuel filter pre-assembled



Control Options and Timers

Description

Part Number

Rheostat Switch

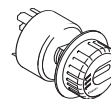
(AIRTRONIC 2 / 4, B1LC / B3LC compact, D5LC, D8LC)

12 volt

25 1895 71 00 00

24 volt

25 1896 71 00 00



Mini-Controller

(AIRTRONIC 2 / 4)

12 and 24 volt

22 1000 32 07 00



Thermostat

(AIRTRONIC 2 / 4, B1LC / B3LC compact, D5LC, D8LC)

12 volt

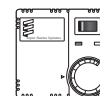
5670097

(301 00 154)

24 volt

5670096

(301 00 153)



External Switch Box (for CARGO applications only)

(B3LC compact, D5LC)

External Switch Harness 20 feet

20 2900 70 03 06

(CA1 60 306)

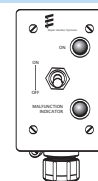
External Switch Harness 40 feet

20 2900 70 02 79

(CA1 70 004)

20 2900 70 00 21

(CA1 70 003)



Push / Pull Switch

(AIRTRONIC 4, D5LC, HYDRONIC 4 / 5, HYDRONIC 10, HYDRONIC 16 / 24 / 30 / 35)

12 volt

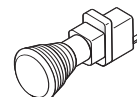
5670007

(CA1 00 003)

24 volt

5670008

(CA1 00 004)



Mini Timer

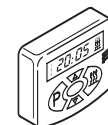
(HYDRONIC 4 / 5)

Green Display 12 and 24 volt

22 1000 31 60 00

Blue Display 12 and 24 volt

22 1000 32 18 00



7-Day Timer

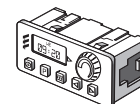
(AIRTRONIC 2 / 4, B / D1LC compact, B / D3LC compact)

12 and 24 volt 7day Timer

Timer with Bezel and Mounting Bracket

20 2900 70 02 35

(CA1 00 235)



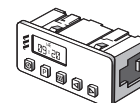
(HYDRONIC 4 / 5, HYDRONIC 10, HYDRONIC 16 / 24 / 30 / 35)

12 and 24 volt 7day Timer

Timer with Bezel and Mounting Bracket

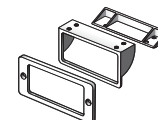
20 2900 70 02 30

(CA1 00 230)



Bezel and Mounting Bracket

25 1482 70 01 00



Programmable timer

12 volt

5670100

24 volt

5670099



Digi Controller

12 volt

20 2800 70 10 00



NITE Air Conditioning Systems

Description SAP Part Number Old Part Number

Truck Model

SAP Part Number

AC only

NOTE

All NITE system kits include all necessary installation hardware for air conditioning unit and heating system.

Kenworth Classic Sleeper

5699895

Mack Vision

5699893

Mack CH & CL

5699892

Sterling A-Line

5699890

Volvo VN Classic Sleeper & WIA

20 2800 11 0005

5699889

Peterbilt 387

5699877

Kenworth Sofa Sleeper

5699870

Freightliner Underbunk Mounting

5699874

International 9000I Series Mfg before 6/02

5699887

International 9000I Series Mfg after 6/02 w/o rear cabinet

20 2800 11 0006

5699886

International 9000I Series Mfg after 6/02 w/rear cabinet

5699855

Kenworth T2000 w/rear shelf

Kenworth T2000 w/o rear shelf

20 2800 11 0007

Peterbilt 379 70" Sleeper

Peterbilt 379 63" Sleeper

20 2800 11 0008

Volvo VN 61" Sleeper 670 w/table

5699881

Volvo VN 77" Sleeper 780 w/table

20 2800 11 0009

5699880

Western Star

20 2800 11 0010

5699888

International Prostar / Lonestar

20 2800 11 0004

Nite Batteries (4) for all Combo Kits

5611000

(1000010992)

Battery Box (Excide only) for all Combo Kits

5611001

(1000010993)

Universal A.C only Kit

5611005

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AIRTRONIC² Diesel Air Heater 7,500 BTU**Scope of Delivery**

Description	Part Number		Heater	Harness	Fuel System	Ducting	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Manuals
AIRTRONIC²													
Basic Heater 12 volt	25 2069 05 00 00		•										•
Basic Heater 24 volt	25 2070 05 00 00		•										•
Universal Installation Kit 12 or 24 volt	20 2820 69 02 80	(CA 2069 80)		•	•	•			•	•	•	•	•
AIRTRONIC² TRUCK KITS													
Conventional Truck Kit 12 volt with Thermostat No fuel pick-up pipe	20 2820 69 02 95	(CA 2069 95)	•	•	•	•	•	•		•	•	•	•
Conventional Truck Kit 12 volt with Mini-Controller No fuel pick-up pipe	20 2820 69 02 96	(CA 2069 96)	•	•	•	•	•	•		•	•	•	•
Conventional Truck Kit 12 volt with Thermostat	20 2820 69 02 81	(CA 2069 81)	•	•	•	•	•	•	•	•	•	•	•
Conventional Truck Kit 12 volt with Thermostat and 90° Outlet Hood	20 2820 69 02 84	(CA 2069 84)	•	•	•	•	•	•	•	•	•	•	•
Conventional Truck Kit 12 volt with Mini-Controller	20 2820 69 02 85	(CA 2069 85)	•	•	•	•	•	•	•	•	•	•	•
Conventional Truck Kit 12 volt with Mini-Controller and pickup pipe for vent fitting	20 2820 69 02 91	(CA 2069 85)	•	•	•	•	•	•	•	•	•	•	•
Conventional Truck Kit 12 volt with 7 Day Timer	20 2820 69 02 86	(CA 2069 86)	•	•	•	•	•	•	•	•	•	•	•
Conventional Truck Kit 24 volt with Thermostat	20 2820 70 02 81	(CA 2070 81)	•	•	•	•	•	•	•	•	•	•	•
Conventional Truck Kit 12 volt with Thermostat with high altitude pump	20 2820 69 02 98		•	•	•	•	•	•	•	•	•	•	•
High altitude Kits													
With high altitude fuel pump	24 0222 00 00 00												
With high altitude sensor, no extra fuel pump needed	20 2900 70 00 07												
Only heaters that show "H-Kit" on their factory label	22 1000 33 22 00												

Hardware Kit INCLUDES:

Fuel Clamps
Nuts
Cable Ties
Grommets
Exhaust Clamps
Brackets

Ducting Clamps
Washers
Routing Clamps
End Caps
Exhaust
Mounting Screws

Fuel System INCLUDES:

Clamps
5mm Fuel Line
1.5mm Fuel Line
3.5mm Fuel Line

*Refer to the Accessories Section for ducting components and additional accessories.
For the addition of engine preheat, refer to the Combo Truck Kits Section.*

AIRTRONIC 4 Diesel Air Heater 13,600 BTU

Scope of Delivery

Description	Part Number		Heater	Harness	Fuel System	Ducting	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Manuals
AIRTRONIC B4													
Basic Heater 12 volt with fuel pump	20 1812 05 00 00		•										•
AIRTRONIC 4													
Basic Heater 12 volt with fuel pump	25 2113 05 00 00		•										•
Basic Heater 24 volt with fuel pump	25 2114 05 00 00		•										•
Universal Installation Kit 12 or 24 volt	20 2821 13 04 80	(CA 2113 80)		•	•	•			•	•	•	•	•
AIRTRONIC 4 TRUCK KITS													
Conventional Truck Kit 12 volt with Thermostat	20 2821 13 04 81	(CA 2113 81)	•	•	•	•	•	•	•	•	•	•	•
Conventional Truck Kit 12 volt with Mini-Controller	20 2821 13 04 85	(CA 2113 85)	•	•	•	•	•	•	•	•	•	•	•
AIRTRONIC 4 CARGO KITS													
Cargo Installation Kit 12 volt with Thermostat	20 2900 00 04 01	(CA0 30 401)		•	•	•	x	•	•	•	■	•	•

x

=

cargo bracket

■

=

exhaust with plate

- Hardware Kit INCLUDES:
- Fuel Clamps

Ducting Clamps

Nuts

Washers

Cable Ties

Routing Clamps

Grommets

End Caps

Exhaust Clamps

Exhaust Brackets

Mounting Screws

- Fuel System INCLUDES:
- Clamps

5mm Fuel Line

1.5mm Fuel Line

3.5mm Fuel Line

Refer to the Accessories Section for ducting components and additional accessories.

For the addition of engine preheat, refer to the Combo Truck Kits Section.

D1LC compact Gasoline Air Heater 7,500 BTU**B1LC compact** Gasoline Air Heater 7,500 BTU

Scope of Delivery

Description	Part Number	Heater	Harness	Fuel System	Ducting	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Manuals
D1LC compact D1LC Compact 12 volt with fuel pump (limited in stock)	25 1976 05 00 00	•										•
B1LC compact Basic Heater 12 volt with fuel pump	20 1766 05 00 00	•										•
Universal Installation Kit 12 volt	20 2819 76 01 80 (CA 1976 80)		•	•	•				•	•	•	•

Hardware Kit INCLUDES:

Fuel Clamps
 Ducting Clamps
 Nuts
 Washers
 Cable Ties
 Routing Clamps
 Grommets
 End Caps
 Exhaust Clamps
 Exhaust Brackets
 Mounting Screws

Fuel System INCLUDES:

Clamps
 5mm Fuel Line
 1.5mm Fuel Line
 3.5mm Fuel Line

Refer to the Accessories Section for ducting components and additional accessories.

AIRTRONIC B5 Gasoline Air Heater 18,800 BTU**AIRTRONIC D5** Diesel Air Heater 18,800 BTU**Scope of Delivery**

Description	Part Number	Heater	Harness	Fuel System	Ducting	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Manuals
AIRTRONIC5												
Basic Heater 12 volt with fuel pump, outlet hood	25 2361 05 00 00	•										•
Basic Heater 24 volt with fuel pump, outlet hood	25 2362 05 00 00	•										•
Universal Installation Kit 12 and 24 volt	20 2823 61 05 80 (CA 2361 80)		•	•	•			•	•	•	•	
AIRTRONICB5												
Basic Heater 12 volt with fuel pump,	20 1859 05 00 00	•										•
Universal Installation Kit 12 and 24 volt	20 2823 61 05 80 (CA 2361 80)		•	•	•			•	•	•	•	
AIRTRONIC L CARGO KITS												
Inside Trailer Kit 12 volt with Thermostat	20 2900 00 05 50 (CA0 30 550)		•			□	•	•	•	■	•	•

□ = cargo bracket
 ■ = exhaust with plate

Hardware Kit INCLUDES:

Fuel Clamps
 Nuts
 Washers
 Cable Ties
 Routing Clamps
 Grommets
 End Caps
 Exhaust Clamps
 Exhaust Brackets
 Mounting Screws

Fuel System INCLUDES:

Clamps
 5mm Fuel Line
 1.5mm Fuel Line
 3.5mm Fuel Line

Refer to the Accessories Section for ducting components and additional accessories.

For the addition of engine preheat, refer to the Combo Truck Kits Section.

D8LC Diesel Air Heater 27,300 BTU

Description

Part Number

NOTE: No installation kits available for this heater.**D8LC compact**

Basic Heater 12 volt

25 1890 00 00 00

INCLUDES:

Control Unit

25 1688 50 00 45

Fuel Pump

22 4603 01 00 00

Rheostat Switch

25 1895 71 00 00

External Temperature Sensor

25 1774 89 03 00

Combustion Air Tube

10 2114 25 00 00

Shock Mounts

330 00 036

Mounting Bracket (large)

25 1244 05 00 02

Mounting Bracket (small)

25 1728 05 00 01

Basic Heater 24 volt

25 1891 00 00 00

INCLUDES:

Control Unit

25 1689 50 00 37

Fuel Pump

22 4604 01 00 00

Rheostat Switch

25 1896 71 00 00

External Temperature Sensor

25 1774 89 03 00

Combustion Air Tube

10 2114 25 00 00

Shock Mounts

330 00 036

Mounting Bracket (large)

25 1244 05 00 02

Mounting Bracket (small)

25 1728 05 00 01

Accessories

Harness

External Harness 20 feet

20 2900 70 08 02

(CA1 60 802)

External Harness 35 feet

20 2900 70 08 03

(CA1 60 803)

Fuel

Fuel line 5.0mm black rubber, suction side

360 75 350

Fuel line 2.0mm white plastic, pressure side

890 31 117

Fuel line connector piece 3.5mm for 2mm fuel line

360 75 300

Fuel pick-up pipe 4mm

20 2900 20 20 58

(CA0 12 058)

Clamp 9mm for 3.5mm hose

10 2068 00 90 98

Clamp 11mm for 5mm hose

10 2068 01 10 98

Exhaust

Flexible stainless steel exhaust 42mm

5530013

WG4 42 000

Exhaust clamp

152 10 062

Exhaust end cap for 42mm

22 1000 40 02 00

Flexible air intake 30mm SPECIAL ORDER

10 2114 25 00 00

Controls

Thermostat 12 volt

5670097

(301 00 154)

Thermostat 24 volt

5670096

(301 00 153)

Rheostat Switch 12 volt

25 1895 71 00 00

Rheostat Switch 24volt

25 1896 71 00 00

External Temperature Sensor, provided with heater

25 1774 89 03 00

External Temperature Sensor, extension harness

25 1482 89 40 00

Refer to the Accessories Section for ducting components.

HYDRONIC B4 Gasoline Coolant Heater 13,700 BTU**HYDRONIC D4** Diesel Coolant Heater 13,700 BTU**Scope of Delivery**

Description	Part Number	Heater	Harness	Fuel System*	Coolant Hose	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit ^o	Exhaust Pipe	Intake Pipe	Boxed	Manuals
HYDRONIC B4 SC GASOLINE													
Basic Heater 12 volt	20 1824 05 00 00	•											•
Universal Installation Kit 12 volt	20 1824 80 00 00		→	•	•	•			•	•	•		
HYDRONIC D4 SC DIESEL													
Basic Heater 12 volt	25 2257 05 00 00	•											•
Universal Installation Kit 12 volt	25 2257 80 00 00		→	•	•	•			•	•	•		
HYDRONIC D4 SC TRUCK KITS DIESEL													
12 volt	25 2822 57 04 20 (CA 2257 20)	•	•	•		•		•	•	•	•		•
Boxed 12 volt	25 2822 57 04 55 (CA 2257 55)	•	•	•		•		•	•	•	•	•	•

→ = includes blower relay connection

^oHardware Kit INCLUDES:

Fuel Clamps	Ducting Clamps
Nuts	Washers
Cable Ties	Routing Clamps
Grommets	End Caps
Exhaust Clamps	Exhaust Brackets
Mounting Screws	

***Fuel System INCLUDES:**

Clamps
5mm Fuel Line
1.5mm Fuel Line
3.5mm Fuel Line

*Refer to the Accessories Section for additional accessories.
For the addition of bunk heat, refer to the Combo Truck Kits Section.*

HYDRONIC B5 Gasoline Coolant Heater 17,100 BTU**HYDRONIC D5** Diesel Coolant Heater 17,100 BTU**Scope of Delivery**

If installation is less than 6 feet from the fuel tank
kits with external fuel pumps are not required.

Description	Part Number	Heater	Harness	Fuel System*	Coolant Hose	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit ^o	Exhaust Pipe	Intake Pipe	Boxed	Manuals
HYDRONIC D5 SC DIESEL													
Basic Heater 12 volt	25 2219 05 00 00	•											•
Universal Installation Kit 12 volt	25 2219 80 00 00		→	•	•	•			•	•	•		
Basic Heater 12 volt with External Fuel Pump	25 2325 05 00 00	•											•
Universal Installation Kit 12 volt	20 1820 80 00 00		→	•	•	•			•	•	•		
Basic Heater 24 volt	25 2147 05 00 00	•											•
Universal Installation Kit 24 volt	25 2009 80 00 00		→	•	•	•			•	•	•		
HYDRONIC D5SC TRUCK KITS DIESEL													
Boxed 12 volt no Fuel Pick-up	25 2822 19 05 56	•	•	•		•			•	•	•	•	•
12 volt	25 2822 19 05 20 (CA 2219 20)	•	•	•		•		•	•	•	•		•
12 volt with 7-Day Timer	25 2822 19 05 21 (CA 2219 21)	•	•	•		•	•	•	•	•	•		•
Boxed 12 volt	25 2822 19 05 55 (CA 2219 55)	•	•	•		•		•	•	•	•	•	•
Boxed 12 volt with 7-Day Timer	25 2822 19 05 57 (CA 2219 57)	•	•	•		•	•	•	•	•	•	•	•
12 volt with External Fuel Pump	25 2823 25 05 20 (CA 2325 20)	•	•	•		•		•	•	•	•		•
Boxed 12 volt with External Fuel Pump	25 2823 25 05 55 (CA 2325 55)	•	•	•		•		•	•	•	•	•	•
HYDRONIC D5 SC OFF-HIGHWAY KITS DIESEL													
24 volt with External Fuel Pump	25 2821 47 05 20 (CA 2147 20)	•	•	•		•		•	•	•	•		•
Boxed 24 volt with External Fuel Pump	25 2821 47 05 55 (CA 2147 55)	•	•	•		•		•	•	•	•	•	•
HYDRONIC D5 SC AUTOMOTIVE PICK-UP KITS DIESEL													
12 volt	25 2822 19 05 22 (CA 2219 22)	•	*	•	•	•	•	•	•	•	•		•
12 volt with External Fuel Pump	25 2823 25 05 22 (CA 2325 22)	•	*	•	•	•	•	•	•	•	•		•
HYDRONIC B5 SC GASOLINE													
Basic Heater 12 volt with external fuel pump	20 1820 05 00 00	•											•
Universal Installation Kit 12 volt	20 1820 80 00 00		→	•	•	•			•	•	•		
HYDRONIC B5SC TRUCK KIT GASOLINE													
Boxed 12 volt with External Fuel Pump	20 2818 20 05 20 (CA 1820 20)	•	•	•		•		•	•	•	•	•	•
HYDRONIC B5 SC AUTOMOTIVE PICK-UP KIT GASOLINE													
12 volt with External Fuel Pump	20 2818 20 05 22 (CA 1820 22)	•	*	•	•	•	•	•	•	•	•		•
Sprinter Conversion Kit with Mini-timer (before 2006)	24 0212 00 00 00												

→ = includes blower relay connection

* = harness has blower relay

Refer to the Accessories Section for ducting components and additional accessories.
For the addition of engine preheat, refer to the Combo Truck Kits Section.

Pick-up Truck Kits

HYDRONIC D5 Diesel Coolant Heater 17,100 BTU

Scope of Delivery

If installation is less than 6 feet from the fuel tank kits with external fuel pumps are not required.

Description	Part Number	Heater	Harness	Fuel System*	Coolant Hose	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit ^o	Exhaust Pipe	Intake Pipe	Boxed	Manuals
Pick-up Truck kits (After Market)													
DODGE Kits													
2003 - 2007 5.9 L with mini timer	25 2822 19 05 32	•	*	•		•	•	•	•	•	•		•
2007 - 2008 6.3 L with mini timer-	25 2800 10 05 35	•	*	•		•	•	•	•	•	•		•
GM Duramax Kits													
Frame diemensions not larger than 225mm high, 77mm wide													
Mini timer and internal FMP Left side mount	25 2822 19 05 70	•	•	•		•	•	•	•	•	•		•
Mini timer and external FMP Right side mount	25 2823 25 05 75	•	•	•		•	•	•	•	•	•		•
Ford Powerstroke Kits													
Frame rail diemensions not larger than 204mm high, 77mm wide													
Mini timer and internal FMP Left side mount	25 2822 19 05 80	•	•	•		•	•	•	•	•	•		•
Mini timer and external FMP Right side mount	25 2823 25 05 85	•	•	•		•	•	•	•	•	•		•
Sprinter Conversion Kit with mini - timer													
Converts auxiliary heater into preheater (2006 and earlier models)	24 0212 00 00 00												

* = harness has blower relay

^oHardware Kit INCLUDES:

Fuel Clamps	Ducting Clamps
Nuts	Washers
Cable Ties	Routing Clamps
Grommets	End Caps
Exhaust Clamps	Exhaust Brackets
Mounting Screws	

*Fuel System INCLUDES:

Clamps
5mm Fuel Line
1.5mm Fuel Line
3.5mm Fuel Line

Refer to the Accessories Section for additional accessories.
For the addition of engine preheat, refer to the Combo Truck Kits Section.

HYDRONIC B5 Gasoline Coolant Heater 17,100 BTU**HYDRONIC D5** Diesel Coolant Heater 17,100 BTU

Scope of Delivery

If installation is less than 6 feet from the fuel tank
kits with external fuel pumps are not required.

Description	Part Number	Heater	Harness	Fuel System	Coolant Hose	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Boxed	Manuals
HYDRONIC D5 S DIESEL													
Basic Heater 12 volt	25 2217 05 00 00	•											•
Universal Installation Kit 12 volt	20 1819 80 00 00		→	•	•	•			•	•	•		
Basic Heater 24 volt	25 2218 05 00 00	•											•
Universal Installation Kit 24 volt	25 2218 80 00 00		→	•	•	•			•	•	•		
Basic Heater 24 volt	25 2146 05 00 00	•											•
Universal Installation Kit 24 volt	25 2009 80 00 00		→	•	•	•			•	•	•		
HYDRONIC D5S TRUCK KIT DIESEL													
12 volt with External Water and Fuel Pump	25 2822 17 05 20 (CA 2217 20)	•	•	•		•		•	•	•	•		•
HYDRONIC D5S OFF-HIGHWAY KIT DIESEL													
24 volt with External Water and Fuel Pump	25 2822 18 05 20 (CA 2218 20)	•	•	•		•		•	•	•	•		•
HYDRONIC B5 S GASOLINE													
Basic Heater 12 volt with external water and fuel pump	20 1819 05 00 00	•											•
Universal Installation Kit 12 volt	20 1819 80 00 00		→	•	•	•			•	•	•		

→ = includes blower relay connection

Hardware Kit INCLUDES:

Fuel Clamps
Ducting Clamps
Nuts
Washers
Cable Ties
Routing Clamps
Grommets
End Caps
Exhaust Clamps
Exhaust Brackets
Mounting Screws

Fuel System INCLUDES:

Clamps
5mm Fuel Line
1.5mm Fuel Line
3.5mm Fuel Line

Refer to the Accessories Section for ducting components and additional accessories.

For the addition of engine preheat, refer to the Combo Truck Kits Section.

HYDRONIC 10 / M Diesel Coolant Heater 32,400 BTU**Scope of Delivery**

Description	Part Number		Heater	Harness	Fuel System	Coolant Hose	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Boxed	Manuals
HYDRONIC 10 / M														
Basic Heater 12 volt with Fuel Pump	25 2160 05 00 00		•											•
Universal Installation Kit 12 volt	25 2821 60 10 80	(CA 2160 80)		•	•		•			•	•	•		•
Basic Heater 24 volt with Blinkcode	25 2227 05 00 00		•											•
Universal Installation Kit 12 and 24 volt	25 2822 27 10 80	(CA 2227 80)		•	•		•			•	•	•		•
HYDRONIC 10 / M - BOXED KITS														
Boxed 12 volt with Internal Fuel Pump (max. 6ft. of fuel line)	25 2821 60 10 55	(CA 2160 55)	•	•	•		•		•	•	•	•	•	•
Boxed 12 volt with External Fuel Pump	25 2821 60 10 56	(CA 2160 56)	•	•	•		•		•	•	•	•	•	•
Boxed 24 volt with Internal Fuel Pump (max. 6ft. of fuel line)	25 2822 27 10 55	(CA 2227 55)	•	•	•		•		•	•	•	•	•	•
Boxed 24 volt with External Fuel Pump	25 2822 27 10 56	(CA 2227 56)	•	•	•		•		•	•	•	•	•	•

HYDRONIC M-II Series: 27,300, 32,450, 42,000 BTU

Hydronic M8 biodiesel 12 volt	25 2470 05 00 00		•						•					•
Hydronic M8 biodiesel 24 volt	25 2471 05 00 00		•						•					•
Hydronic M10 12 volt	25 2434 05 00 00		•											•
Hydronic M10 24 volt	25 2435 05 00 00		•											•
Hydronic M12 12 volt	25 2472 05 00 00		•											•
Hydronic M12 24 volt	25 2473 05 00 00		•											•
Hydronic M8 biodiesel 12 volt Boxed Kit	25 2824 70 08 10		•	•	•		•		•	•	•	•	•	•
Hydronic M8 biodiesel 24 volt Boxed Kit	25 2824 71 08 10		•	•	•		•		•	•	•	•	•	•
Hydronic M10 12 volt Boxed Kit	25 2824 34 10 10		•	•	•		•		•	•	•	•	•	•
Hydronic M10 24 volt Boxed Kit	25 2824 35 10 10		•	•	•		•		•	•	•	•	•	•
Hydronic M12 12 volt Boxed Kit	25 2824 72 12 10		•	•	•		•		•	•	•	•	•	•
Hydronic M12 24 volt Boxed Kit	25 2824 73 12 10		•	•	•		•		•	•	•	•	•	•
Universal Installation Kit	25 2435 80 00 00			•	•		•			•	•	•		

E-Guardian

Hydronic D5	25 2823 25 05 00		•	•	•		•	•	•	•	•	•	•	•
Hydronic MII 8	25 2824 70 08 00		•	•	•		•	•	•	•	•	•	•	•
Hydronic MII 10	25 2824 34 10 00		•	•	•		•	•	•	•	•	•	•	•
Hydronic MII 12	25 2824 72 12 00		•	•	•		•	•	•	•	•	•	•	•

Hardware Kit INCLUDES:

Fuel Clamps, Ducting Clamps, Nuts, Washers, Cable Ties, Routing Clamps, Grommets, End Caps, Exhaust Clamps, Exhaust Brackets, Mounting Screws.

Fuel System INCLUDES:

Clamps, 5mm Fuel Line
1.5mm Fuel Line, 3.5mm Fuel Line.

*Note: A special fuel pipe kit is enclosed with the two bio diesel heaters.
The fuel pipes in this kit are especially suitable for biodiesel fuels.
Refer to the Accessories Section for ducting components and additional accessories.
For the addition of engine preheat, refer to the Combo Truck Kits Section.*

HYDRONIC L-II**HYDRONIC 16** Diesel Coolant Heater 55,000 BTU**HYDRONIC 24** Diesel Coolant Heater 82,000 BTU**HYDRONIC 30** Diesel Coolant Heater 102,000 BTU**HYDRONIC 35** Diesel Coolant Heater 120,000 BTU**NOTE: No installation kits
available for these heaters.**

Description	Part Number	
HYDRONIC L 16		
Basic Heater 24 volt	25 2486 02 00 00	
HYDRONIC L 24		
Basic Heater 24 volt	25 2487 02 00 00	
HYDRONIC L 24 Compact		
Water pump Flowtronic 5000 and fuel filter pre-assembled	25 2487 05 00 00	
HYDRONIC L 30		
Basic Heater 24 volt	25 2488 02 00 00	
HYDRONIC L 30 Compact		
Water pump Flowtronic 5000 and fuel filter pre-assembled	25 2488 05 00 00	
HYDRONIC L 35		
Basic Heater 24 volt	25 2489 02 00 00	
HYDRONIC L 35 Compact		
Water pump Flowtronic 5000 and fuel filter pre-assembled	25 2489 05 00 00	
Accessories		
Harnesses		
Universal Harness	20 2900 70 05 10	(CA1 60 510)
Compact Heater Harness	20 2900 70 05 11	(CA1 60 511)
Fuel		
Nipple and Nut Connectors for compact version (1 required)	20 2900 20 20 71	(CA0 12 071)
Fuel Line 5.0mm black rubber	360 75 350	
Clamps 11mm	10 2063 01 10 98	
Fuel Pick-up with Return	20 2900 20 20 59	(CA0 12 059)
Exhaust		
Flexible Stainless Steel Exhaust Tube 70mm	5530015	(WG4 70 000)
Muffler Clamp 3"	5530004	(CA1 10 043-001)
Exhaust Elbow (70mm exhaust) D30 / D35	22 1000 40 03 00	
Pumps		
Coolant Pump 24volt (5,000 L/hr)	25 1818 29 00 00	
Coolant Pump 24 volt (6,000 L/hr)	25 1371 89 37 00	
Flowtronic Coolant Pump 24 volt (6,000 L/hr)	25 1818 27 00 00	
Controls		
Push / Pull Switch 24 volt (supplied with harness)	5670008	(CA1 00 004)
7-Day Timer Kit 24 volt	22 1000 30 36 00	
7-Day Timer Kit 24 volt with Bezel and Mounting Bracket	20 2900 70 02 30	
Bezel and Mounting Bracket for 7-day timer	25 1482 70 01 00	
12V to 24V Power Converter Kits		
Hydronic 16 with/without coolant pump		
Hydronic 24, 30, 35 without pump	25 2800 90 12 23	
Hydronic 16, 24, 30, 35 with/without coolant pump	25 2800 90 12 24	

*All HYDRONIC 16 / 24 / 30 / 35 heaters come with a preheat nozzle.
Refer to the Accessories Section for additional accessories.*

AIRTRONIC 2 / HYDRONIC 4 / 5**Combo Kits** Diesel 12 volt only**Scope of Delivery**

Description	Part Number	Heater	Harness	Fuel System	Coolant Hose	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Boxed	Manuals
AIRTRONIC 2 / HYDRONIC 4													
Truck Kit	20 2812 15 20 40 (CA 1520 40)	•	•	•		•	•	d	•	•	•		•
INCLUDES:	7-Day Timer Thermostat 12 volt Inside Frame Mounting Bracket												
Boxed Truck Kit	20 2812 15 20 41 (CA 1520 41)	•	•	•		•	•	d	•	•	•	•	•
INCLUDES:	7-Day Timer Thermostat 12 volt												
AIRTRONIC 2 / HYDRONIC 5													
Truck Kit	20 2812 15 20 50 (CA 1520 50)	•	•	•		•	•	d	•	•	•		•
INCLUDES:	7-Day Timer5 Thermostat 12 volt												
Truck Kit	20 2812 15 20 56 (CA 1520 56)	•	•	•		•	•	d	•	•	•		•
INCLUDES:	7-Day Timer with Bracket Mini Controller												
Truck Kit with External Fuel Pump	20 2812 15 20 58 (CA 1520 58)	•	•	•		•	•	d	•	•	•		•
INCLUDES:	7-Day Timer with Bracket Mini Controller												
Boxed Truck Kit	20 2812 15 20 51 (CA 1520 51)	•	•	•		•	•	d	•	•	•	•	•
INCLUDES:	7-Day Timer with Bracket Thermostat 12 volt												
Boxed Truck Kit	20 2812 15 20 57 (CA 1520 57)	•	•	•		•	•	d	•	•	•	•	•
INCLUDES:	7-Day Timer with Bracket Mini Controller												

NOTE: If mounting the HYDRONIC 5 on the cross frame the "L" Bracket is required, part number CA0 10 103

d = double fuel pickup pipe

Refer to the Accessories Section for ducting components and additional accessories.

For the addition of engine preheat, refer to the Combo Truck Kits Section.

AIRTRONIC 4 / HYDRONIC 4 / 5**Combo Kits** Diesel 12 volt only**Scope of Delivery**

Description	Part Number	Heater	Harness	Fuel System	Coolant Hose	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Boxed	Manuals
AIRTRONIC 4 / HYDRONIC 4													
Truck Kit	20 2812 15 40 40 (CA 1540 40)	•	•	•		•	•	d	•	•	•		•
INCLUDES: 7-Day Timer with Bracket Mini Controller													
Boxed Truck Kit	20 2812 15 40 41 (CA 1540 41)	•	•	•		•	•	d	•	•	•	•	•
INCLUDES: 7-Day Timer with Bracket Mini Controller													
AIRTRONIC 4 / HYDRONIC 5													
Truck Kit	20 2812 15 40 50 (CA 1540 50)	•	•	•		•	•	d	•	•	•		•
INCLUDES: 7-Day Timer with Bracket Mini Controller													
Boxed Truck Kit	20 2812 15 40 51 (CA 1540 51)	•	•	•		•	•	d	•	•	•	•	•
INCLUDES: 7-Day Timer with Bracket Mini Controller													

NOTE: If mounting the HYDRONIC 5 on the cross frame the "L" Bracket is required, part number CA0 10 103

d = double fuel pickup pipe

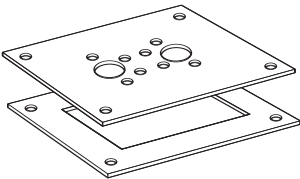
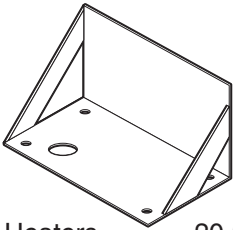
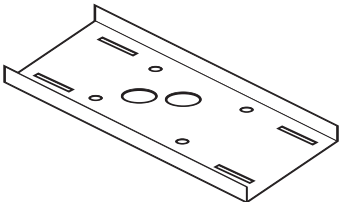
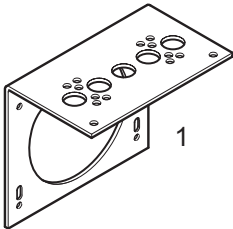
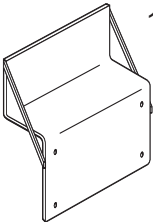
Refer to the Accessories Section for ducting components and additional accessories.

For the addition of engine preheat, refer to the Combo Truck Kits Section.

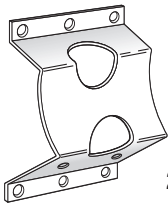
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Mounting Parts

		Part Number	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
1		Mounting Plate with Seal	5540001 (CA0 00 019)	•	•	•	•					
2		Side Frame Mounting Tray for Boxed Heaters	20 2900 40 00 57 (CA0 10 057)							•		
3		Cross Frame Mounting Tray for Boxed Heaters	20 2900 40 00 22 (CA0 10 022)							•		
4		Angle Mounting Bracket	20 2900 40 00 23 (CA0 10 023)					•				1
		Mounting Bracket	5540016 (UK0 19 001)	•	•	•	•					2
5		Mounting Bracket	20 2900 40 00 85 (CA0 10 085)						•			1
		Saddle Bracketed used with 1	25 1864 80 00 01						•			2
		Mounting Bracket (model 25 2217 / 2218 / 2219 / 2257)	25 2220 80 00 01						•			3

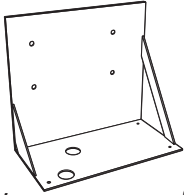
Mounting Parts



Part Number

25 1371 25 00 01 (CA0 00 19)

Mounting Bracket for Coolant Pump
D24W/D5W (Old style heaters)



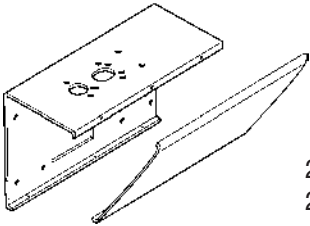
20 2900 40 01 03 (CA0 10 103)

"L" Bracket for HYDRONIC 5 Box only
(used with Cross Frame Mounting Bracket CA0 10 022)



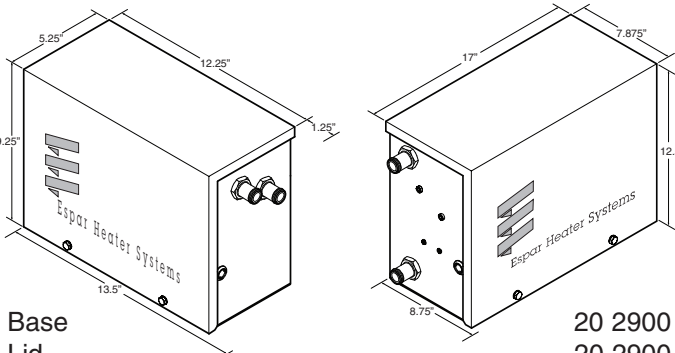
25 1816 80 00 01

Mounting Bracket



20 2900 40 00 34 (CA0 10 034)
20 2900 40 00 35 (CA0 10 035)

Cargo Bracket
Cargo Bracket Support



1

2

20 2900 40 01 01 (CA0 10 101)
20 2900 40 01 02 (CA0 10 102)
20 2900 40 90 01 (CA0 10 069-001)
20 2900 40 00 70 (CA0 10 070)
25 2800 40 05 02
25 2800 40 05 01

Box Base
Box Lid
Box Base with shock mounts
Box Lid
Hydronic 5 Box Base *
Hydronic 5 Box Lid *

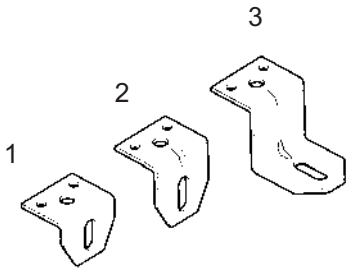
*Also requires:

Silicone Seal - Exhaust
Grommet Harness
Grommet Fuel

25 1216 88 03 01
20 2900 60 10 61
20 1280 09 01 03

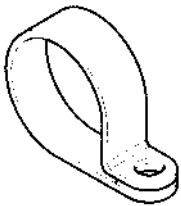
AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
								•	
						•			
							•		
		•	•						1
		•	•						2
						•			1
						•			1
						•	•		2
						•			2
						•			1
						•			1
						•			
						•			
						•			

Mounting Parts



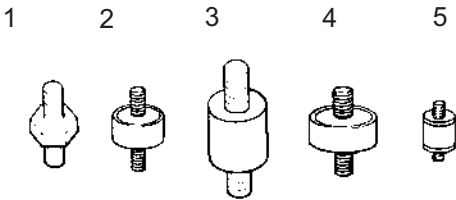
Metal Angle Bracket for Fuel Metering Pump

Part Number	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
20 1348 03 00 02	•	•	•	•	•	•	•	•	•	1
20 1348 03 00 04	•	•	•	•	•	•	•	•	•	2
20 1533 88 00 07	•	•	•	•	•	•	•	•	•	3



- “C” Clamp 10mm
- “C” Clamp 25mm (for 22mm Exhaust/Air Intake)
- “C” Clamp 28mm (for 24mm Exhaust)
- “C” Clamp 34mm (for 30mm Exhaust)
- “C” Clamp 41mm (for large Fuel Metering Pumps)
- “C” Clamp 50mm

152 00 139	•	•	•	•	•	•	•	•	•	
152 10 048	•	•	•	•	•	•	•	•	•	
152 10 051	•	•	•	•	•	•	•	•	•	
152 10 043	•	•	•	•	•	•	•	•	•	
152 10 040	•	•	•	•	•	•	•	•	•	
152 10 047			•	•						



- Metal / Rubber Shock Mounts
- 8mm H, Hex Body
- 15mm H, Round Body, M8
- 1inch H, Round Body, 5/16 x 18 NC
- 20mm H, Round Body, M8
- 25mm H, Round Body, M6

20 1185 00 00 01	•	•	•	•	•	•	•	•	•	1
330 00 036	•	•	•	•	•	•	•	•	•	2
5540003 (CA0 00 040)							•			3
26 9008 07 00 20	•	•	•	•	•	•	•	•	•	4
20 1609 05 00 04						•				5

Bulk Wiring



Part Number

Bulk Wiring

Rolls are available (984 feet/roll)

			AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II	
8ga - 1 Core Brown		(CA1 65 906)	•	•	•	•	•	•	•	•	•		per ft.
8ga - 2 Core Red, Brown	20 2900 70 59 02	(CA1 65 902)	•	•	•	•	•	•	•	•	•		per ft.
10ga - 1 Core Red	5670136	(CA1 61 912)	•	•	•	•	•	•	•	•	•		per ft.
10ga - 1 Core Brown	20 2900 70 59 07	(CA1 65 907)	•	•	•	•	•	•	•	•	•		per ft.
10ga - 2 Core Red, Brown	20 2900 70 59 03	(CA1 65 903)	•	•	•	•	•	•	•	•	•		per ft.
12ga - 2 Core Red, Brown	20 2900 70 59 23	(CA1 65 923)	•	•	•	•	•	•	•	•	•		per ft.
14ga - 2 Core Red, Brown	20 2900 70 59 05	(CA1 65 905)	•	•	•	•	•	•	•	•	•		per ft.
16ga - 2 Core Green, Brown	20 2900 70 09 15	(CA1 70 915)	•	•	•	•	•	•	•	•	•		per ft.
18ga - 2 Core Green, Brown	20 2900 50 59 01	(CA1 75 901)	•	•	•	•	•	•	•	•	•		per ft.
18ga - 3 Core Red, Brown, Yellow	20 2900 70 09 17	(CA1 70 901-001)	•	•	•	•	•	•	•	•	•		per ft.
18ga - 4 Core Red, Brown, Yellow, Blue	20 2900 70 09 13	(CA1 70 913)	•	•	•	•	•	•	•	•	•		per ft.
18ga - 6 Core Red, Brown, Yellow, Blue, Grey, Black	20 2900 70 90 09	(CA1 70 909-001)	•	•	•	•	•	•	•	•	•		per ft.
18ga - 7 Core Red, Brown, Yellow, Blue, Grey, Brown w/white stripe, Grey w/red stripe	20 2900 70 09 14	(CA1 70 914)	•	•	•	•	•	•	•	•	•		per ft.

1

1

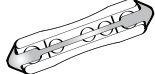
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3

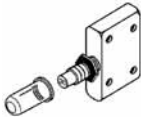
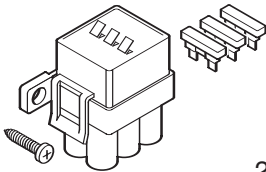
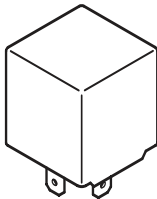
4

5

Fuse Holders, Fuses, Breakers

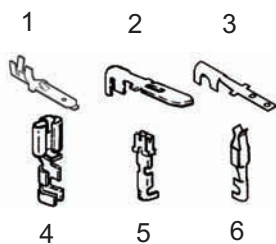
		Part Number	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
Holder for Ceramic Fuse with 16 AMP Fuse		204 00 099	•	•	•	•	•	•	•	•	•	
Ceramic 25 AMP Fuse		204 21 009	•	•	•	•	•	•	•	•	•	
Water-proof Fuse Holder Cover		2199984 (UK0 18 156)	•	•	•	•	•	•	•	•	•	
Bussman BAF 30 AMP Fuse Fuse T6 3 AMP for Thermostat	 1  2	5670050 (CA1 04 108) 460 26 001	•	•	•	•	•	•	•	•	•	1 2
Packard ATC Fuse Holder with Terminals Base, Fuse Holder 12033769 Cover, Fuse Holder 12033731 Terminal 12033997L	 2 3 1	5670051 (CA1 07 001) 20 2900 70 70 17 (CA1 07 008) 20 2900 60 70 09 (CA1 07 009) 5670199 (CA1 90 043)	•	•	•	•	•	•	•	•	•	
ATC 3 AMP Fuse		5670057 (CA1 07 007)	•	•	•	•	•	•	•	•	•	
ATC 5 AMP Fuse		204 00 079				•		•				
ATC 10 AMP Fuse		5670056 (CA1 07 006)	•	•	•	•	•	•	•	•	•	
ATC 15 AMP Fuse		5670053 (CA1 07 002)	•	•	•	•	•	•	•	•	•	
ATC 20 AMP Fuse		5670055 (CA1 07 005)	•	•	•	•	•	•	•	•	•	
ATC 25 AMP Fuse		204 00 089	•	•	•	•	•	•	•	•	•	
ATC 30 AMP Fuse		5670054 (CA1 07 004)	•	•	•	•	•	•	•	•	•	

Fuse Holders, Fuses, Breakers

Part Number			AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
Breaker 30 Amp (D7WB) Breaker 25 Amp (D5WB-oldstyle)		5670059	(CA1 07 101)	•	•	•	•	•	•	•	•	
		5670046	(CA1 04 101)	•	•	•	•	•	•	•	•	
Fuse Holder Base Fuse Holder Cover		204 31 004	•	•	•	•	•	•	•	•	•	1
		204 31 005	•	•	•	•	•	•	•	•	•	2
Fuse Holder Kit 5A, 15A, 25A INCLUDES: Fuses and Terminals		22 1000 31 06 00	•	•	•	•	•	•	•	•	•	
Relay 12 volt (D3L/D12W) Relay 24 volt (D1L/D3L/V7S/D12W)		203 00 065						•	•			
		203 00 066						•	•			

Terminals and Connectors

10ga - 12ga Female, Tabs
 14ga - 18ga Female, Tabs
 Terminal Fuse Holder
 Flat Terminal
 Mini Terminal, AWG 16-20
 Flat Terminal
 10ga - 12ga Female, No Tabs
 14ga - 18ga Female, No Tabs
 10ga - 12ga Male
 14ga - 18ga Male
 Mini Terminal, AWG 16-20
 Terminal with Tab, AWG 18
 Terminal with Sensor
 Mini Terminal, AWG 14-18



Part Number

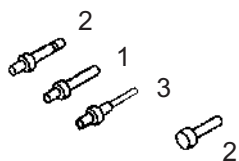
	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
5670174 (CA1 90 004)	•	•	•	•	•	•	•	•	•	4
5670173 (CA1 90 003)	•	•	•	•	•	•	•	•	•	4
206 73 058	•	•	•	•	•	•	•	•	•	5
206 73 016	•	•	•	•	•	•	•	•	•	1
206 73 052	•	•	•	•	•	•	•	•	•	6
5670186 (CA1 90 021)	•	•	•	•	•	•	•	•	•	4
5670171 (CA1 90 001)	•	•	•	•	•	•	•	•	•	4
5670172 (CA1 90 002)	•	•	•	•	•	•	•	•	•	4
5670176 (CA1 90 006)	•	•	•	•	•	•	•	•	•	1
5670175 (CA1 90 005)	•	•	•	•	•	•	•	•	•	1
206 36 018	•	•	•	•	•	•	•	•	•	3
5670206 (CA1 90 059)	•	•	•	•	•	•	•	•	•	4
5670187 (CA1 90 023)	•	•	•	•	•	•	•	•	•	4
5670226 (CA1 90 101)	•	•	•	•	•	•	•	•	•	6

Ring Terminal (3/8") AWG 10-12
 Ring Terminal



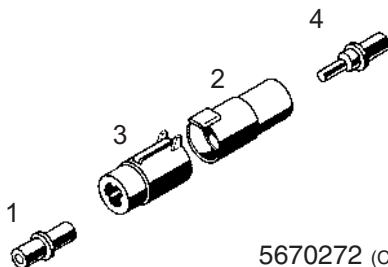
5670178 (CA1 90 014)	•	•	•	•	•	•	•	•	•	
5670199 (CA1 90 043)	•	•	•	•	•	•	•	•	•	

Socket AWG 18
 Socket AWG 14
 Deutsch Connector AWG 18 Pin
 Seal Plug



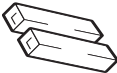
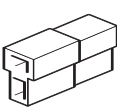
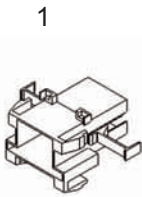
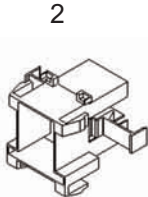
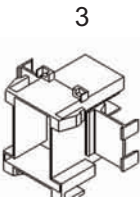
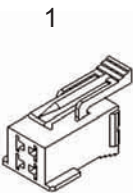
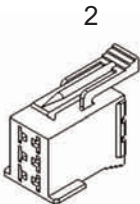
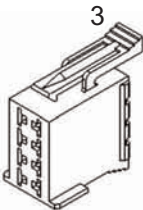
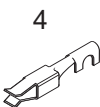
5670567 (CA1 90 258)									•	1
5670268 (CA1 90 259)									•	2
5670266 (CA1 90 257)									•	3
5670325 (CA1 91 063)									•	4

Socket
 Connector, Female DTHD-04-18P
 Connector, Male DTHD-06-18S
 Deutsch Connector Power Pin AWG 10



5670272 (CA1 90 262)									•	1
5670321 (CA1 91 061)									•	2
5670323 (CA1 91 062)									•	3
5670270 (CA1 90 261)									•	4

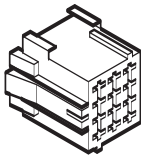
Terminals and Connectors

			Part Number	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
			320 31 120	•	•	•	•	•	•	•	•	•	
			206 00 040	•	•	•	•	•	•	•	•	•	
			206 00 099	•	•	•	•	•	•	•	•	•	1
			206 31 004	•	•	•	•	•	•	•	•	•	2
			206 31 100	•	•	•	•	•	•	•	•	•	1
			206 31 106	•	•	•	•	•	•	•	•	•	2
			206 31 101	•	•	•	•	•	•	•	•	•	3
			206 36 018	•	•	•	•	•	•	•	•	•	4
			206 31 296	•	•	•	•	•	•	•	•	•	1
			206 31 297	•	•	•	•	•	•	•	•	•	2
			206 31 298	•	•	•	•	•	•	•	•	•	3
			206 73 052	•	•	•	•	•	•	•	•	•	4

Hydronic 4/5 Main harness connector Kit

Terminals and Connectors

7 day timer 12 pin connector housing



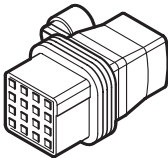
206 31 293

Mini terminal, female AwG 16-20



206 00 180

Hydronic M square connector housing



22 1000 31 93 00

Part Number

AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
							•		•

Power Converters 12V to 24V



12V to 24V Power Converter Asmbly 3401
12V to 24V Power Harness for 5673401
Power Converter 12 - 24 288W

25 2800 90 12 23
25 2800 70 16 01
5673401



12V to 24V Power Converter Asmbly 3601
12V to 24V Power Harness for 5673601
Power Converter 12 - 24 488W

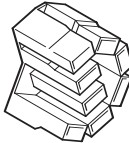
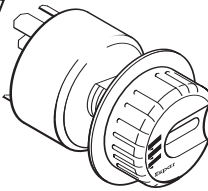
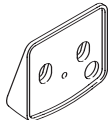
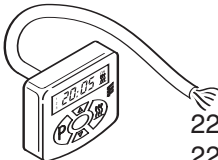
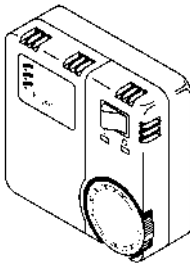
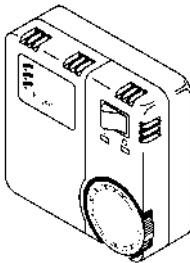
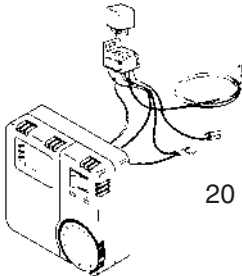
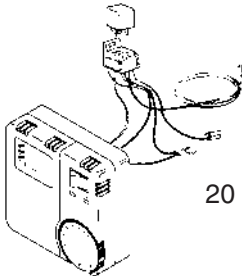
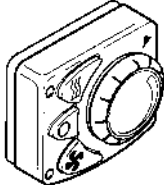
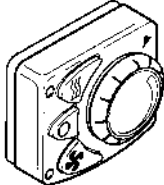
25 2800 90 1224
25 2800 70 16 00
5673601



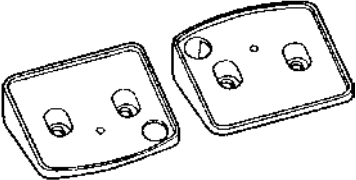
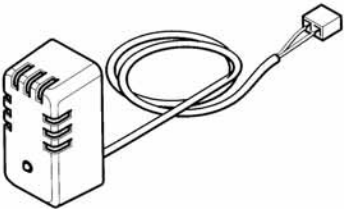
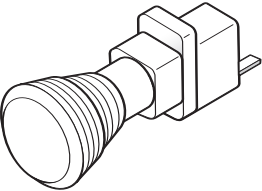
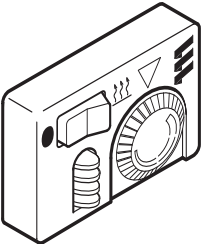
40 AMP Fuse
Heat sink

5670024
20 2900 40 00 04

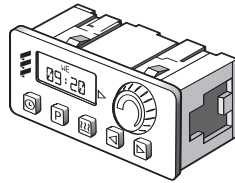
Control Options and Timers

	Part Number	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
 	25 1895 71 00 00 25 1896 71 00 00	•	•	•	•	•	•				
Thermostat Switch Harness (4.6M or 15 feet)	20 2900 70 01 11 (CA1 70 111)	•	•	•	•						
Universal Switch for D1L											
 	22 1000 31 60 00 22 1000 32 18 00							•	•	•	•
Mini Timer (Blue Display) 12 and 24 volt								•	•	•	•
 	5670097 (301 00 154) 5670096 (301 00 153)	•	•	•	•	•					
Thermostat 24 volt		•	•	•	•	•					
Thermostat Harness (4.6M or 15 feet)	20 2900 70 01 09 (CA1 70 109)			•		•					
Knob	2199981										
 	20 2900 70 00 97 (CA1 00 097) 2199982 (301 00 135)	•	•	•	•	•	•	•	•	•	•
Thermostat Bunk Relay Kit 12 volt		•	•	•	•	•	•	•	•	•	•
Thermostat only (On/Off)											
 	22 1000 32 07 00 5699849	•	•			•					
Mini Controller 12 and 24 volt		•	•			•					
Mini Controller Knob						•					
	20 2800 70 1000	•	•			•					
Digi Controller											

Control Options and Timers

		Part Number	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
	Console for Mini Controller 12 and 24 volt	22 1000 50 08 00	•	•								
	Remote Sensor	25 1774 89 03 00	•	•	•	•		•				
	Extension Harness for D1LC (1830) and D3LC	25 1482 89 40 00					•					
	Push / Pull Switch 12 volt	5670007 (CA1 00 003)	•	•	•	•	•	•	•	•	•	•
	Push / Pull Switch 24 volt	5670008 (CA1 00 004)	•	•	•	•	•	•	•	•	•	•
	Replacement Bulb 12 volt	207 00 005										
	Replacement Bulb 24 volt	207 00 006										
	Remote Starter Kit 12 volt (used with 7-Day Timer)	20 2900 70 01 50 (CA1 00 150)	•	•	•	•	•	•	•	•	•	•
	Remote Starter Kit 12 volt (used with Push/Pull Switch, Thermostat and Rheostat)	20 2900 70 01 56 (CA1 00 156)	•	•	•	•	•	•	•	•	•	•
	Remote Starter Transmitter	5670036										
	Mini Controller without Temperature Sensor 12 and 24 volt	22 1000 30 66 00	•	•	•	•						

Control Options and Timers



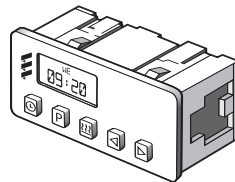
AIR HEATERS

7-Day Timer with Diagnostics 12 and 24 volt

7-Day Timer Kit

Part Number

22 1000 30 40 00
20 2900 70 02 35

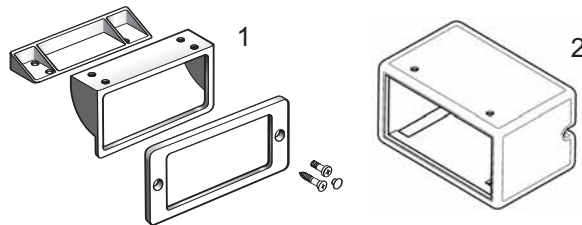


COOLANT HEATERS

7-Day Timer with Diagnostics 12 and 24 volt

7-Day Timer Kit

22 1000 30 36 00
20 2900 70 02 30



7-DAY TIMER ACCESSORIES

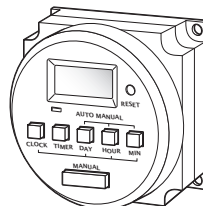
Complete Bracket Kit with Cosmetic Bezel and Bracket

Housing for 7-Day Timer

Replacement Bulbs 12 volt (5/bag)

Replacement Bulbs 24 volt (5/bag)

```
25 1482 70 01 00
25 1482 89 00 15
22 1000 30 88 00
22 1000 30 89 00
```



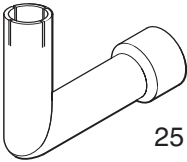
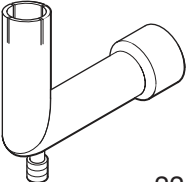
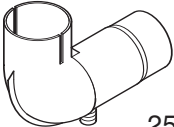
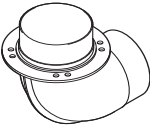
Programmable Timer

12 V
24 V

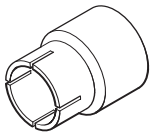
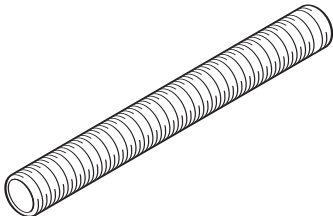
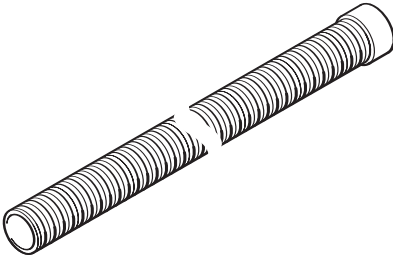
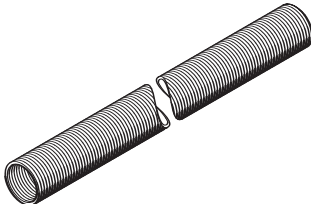
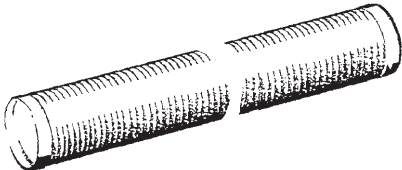
5670100
5670099

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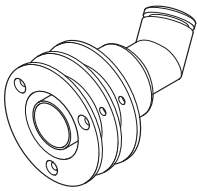
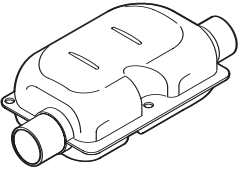
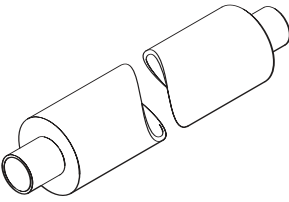
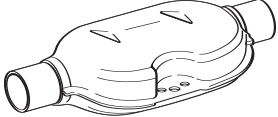
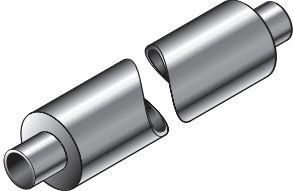
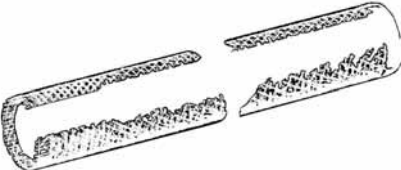
Exhaust

			Part Number	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
Elbow (with 30mm flex exhaust)		25 1226 89 55 00	•	•	•	•	•	•	•				
NOTE: Exhaust drain, part number 25 8547 16 02 00 is NOT included with Elbow / Drain. MUST BE ORDERED SEPARATELY.													
Elbow / Drain (with 30mm flex exhaust) di=30mm		22 1050 89 39 00	•	•	•	•	•	•					
Elbow / Drain (with 24mm flex exhaust) di=24mm		25 1226 89 45 00	•	•	•	•	•	•					
NOTE: Does NOT include exhaust drain MUST BE ORDERED SEPARATELY.													
90° Exhaust Pipe, di=42mm, da=40mm or 42mm		25 1226 89 46 00							•				
Exhaust Drain (M10x1)		25 8547 16 02 00	•	•	•	•	•	•	•	•	•	•	•
Exhaust Elbow (with exhaust)		22 1000 40 03 00									•		

Exhaust

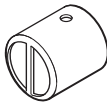
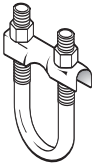
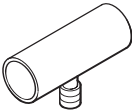
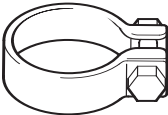
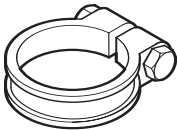
	Part Number	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II	
 Straight Exhaust Fitting (24-30mm) Straight Exhaust Fitting (30-28mm) Straight Exhaust Fitting (30-26mm)	25 1520 80 01 01 25 1226 89 00 28 25 1226 89 00 29	•	•	•	•							
 Flexible Stainless Steel Exhaust 24mm (1.3 mtr)	360 61 557	•	•	•	•	•		•				each
 Exhaust Flex Hose 30mm x 1.3M with end cap	25 1816 80 08 00								•			
 Flexible Stainless Steel Exhaust 40mm (when elbow is used)	5530012 (WG4 40 000)						•					per mtr
Flexible Stainless Steel Exhaust 42mm (direct connect)	5530013 (WG4 42 000)						•					per mtr
Exhaust Flex Hose 24mm (one layer)	360 61 550	•	•	•	•	•						per mtr
Exhaust Flex Hose 30mm (one layer)	360 61 580	•	•	•	•	•			•			per mtr
Exhaust Flex Hose 30mm (two layers)	360 61 300	•	•	•	•	•			•			per mtr
 Flexible Stainless Steel Exhaust 70mm (direct connect)	5530015 (WG4 70 000)								•			per mtr

Exhaust

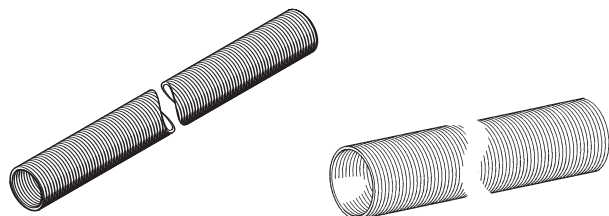
			AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
 Thru Wall Fitting for 30mm Thru Wall Fitting for 40 / 42mm	22 1050 89 43 00	•	•	•	•	•			•	•		•
	22 1050 89 44 00							•				
 Exhaust Muffler for 24mm (Slimmer-New) Exhaust Muffler for 24mm (Wider-Old)	22 1000 40 09 00	•	•	•	•	•		•				
	25 1864 81 01 00	•	•	•	•	•		•				
 Exhaust Muffler 30mm	25 1226 89 58 00	•	•	•	•	•						
 Exhaust Muffler 30mm	25 1806 80 01 00									•		•
 Silencer (aluminum) 75mm - 120mm Silencer (aluminum) 100mm - 150mm	25 1226 89 15 00	•			•			•				
	25 1226 89 56 00											
 Exhaust Insulation Sock 1" for 22mm-24mm ID Exhaust Exhaust Insulation Sock 2" for 24mm-42mm ID Exhaust Exhaust Insulation Sock 3" for 70mm ID Exhaust	5530001 (CA0 00 003) 5530002 (CA0 00 004) 5530003 (CA0 00 009)	• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •		•	

per ft.
per ft.
per ft.

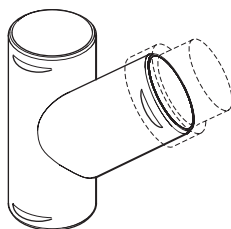
Exhaust

		Part Number	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
Exhaust End Cap for 24mm		25 1482 80 00 01	•	•	•	•	•		•			
Plastic Air Intake End Cap with Crossbar 20mm		25 1688 80 12 01			•				•			
Exhaust End Cap with Crossbar 24mm		25 1729 80 06 00	•	•	•	•	•		•			
Plastic Air Intake End Cap with Crossbar 25mm		25 1729 89 00 02	•	•		•	•					
Exhaust End Cap with Crossbar 30mm		25 1785 80 02 00								•		•
Exhaust End Cap with Crossbar 46mm		22 1000 40 02 00						•				
Exhaust Clamp for 70mm		5530004 (CA1 10 043-001)									•	
Exhaust Connection with Drain		25 1226 89 59 00							•	•		•
Clamp for Exhaust Pipe 26mm		152 61 102			•	•	•		•			
Clamp for Exhaust Pipe 27mm-30mm		152 10 060								•		•
Clamp for Exhaust Pipe 30mm-33mm		152 10 061								•		•
Clamp for Exhaust Pipe 32mm-50mm		10 2064 03 20 50						•				

Ducting



	Part Number	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II	
Flexible Hose (50mm or 2.0")	5550006 (CA2 00 002)	•	•	•	•	•	•					per ft.
Flexible Hose (75mm or 3.0")	5550007 (CA2 00 003)	•	•	•	•	•	•					per ft.
Flexible Hose (100mm or 4.0")	5550008 (CA2 00 004)	•	•	•	•	•	•					per ft.
Flexible Air Hose (aluminum, paper, plastic) (50mm or 2.0")	10 2114 29 00 00	•	•	•	•	•	•					per mtr.
Flexible Air Hose (aluminum, paper, plastic) (60mm or 2.4")	10 2114 31 00 00	•	•	•	•	•	•					per mtr.
Flexible Air Hose (aluminum, paper, plastic) (75mm or 3.0")	10 2114 34 00 00	•	•	•	•	•	•					per mtr.
Flexible Air Hose (aluminum, paper, plastic) (90mm or 3.5")	10 2114 37 00 00	•	•	•	•	•	•					per mtr.



Plastic "Y" Connector (75mmx75mmx75mm or 3"x3"x3")	25 1226 89 00 44	•	•	•	•	•	•					
Plastic "Y" Connector (100mmx100mmx100mm or 4"x4"x4")	25 1226 89 00 45		•	•	•	•	•					
Plastic "Y" Connector (60mmx50mmx50mm or 2.4"x2"x2")	25 1688 89 00 03			•								
Plastic "Y" Connector (60mmx60mmx60mm or 2.4"x2.4"x2.4")	25 1774 89 00 05	•		•								
Plastic "Y" Connector (90mmx90mmx90mm or 3.5"x3.5"x3.5")	22 1000 01 00 21											

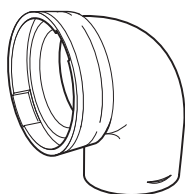


Plastic Reducer for "Y" or Ducting Union (75-50mm or 3"-2")	25 1226 89 00 46	•	•	•	•	•	•					
Plastic Reducer for "Y" or Ducting Union (100-75mm or 4"-3")	25 1226 89 00 47	•	•	•	•	•	•					
Plastic Reducer for "Y" or Ducting Union (100-50mm or 4"-2")	25 1226 89 00 48	•	•	•	•	•	•					
Plastic Reducer for "Y" or Ducting Union (75-60mm or 3"-2.4")	25 1226 89 00 50	•	•	•	•	•	•					

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Ducting

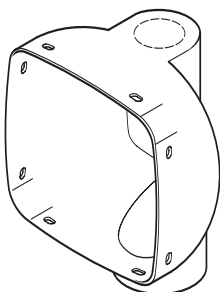
90° Bend di=60mm, da=60mm
90° Bend di=75mm, da=75mm



Part Number

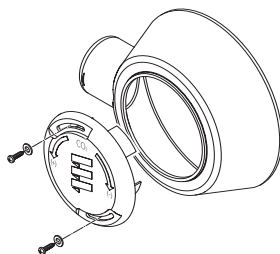
25 1688 89 00 01
25 1482 89 00 05

90° Air Outlet Hood 60mm Outlet
90° Air Outlet Hood 75mm Outlet
90° Air Outlet Hood 90mm Outlet
90° Air Outlet Hood 60mm Outlet
90° Air Outlet Hood 75mm Outlet
90° Air Outlet Hood 90mm Outlet
90° Air Outlet Hood 90mm Outlet



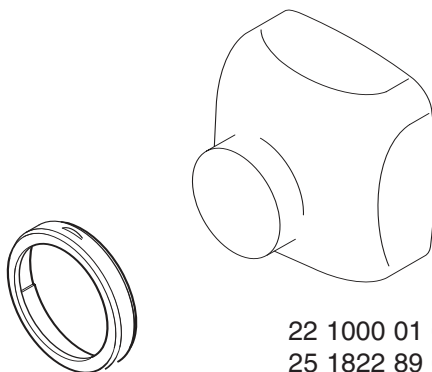
22 1000 01 00 20
22 1000 01 00 22
22 1000 01 00 23
25 1688 89 01 01
22 1000 01 00 02
22 1000 01 00 03
25 1729 89 10 00

Air Intake Hood (60mm or 2.4")



22 1000 40 06 00

Adapter Ring di=60mm, da=75mm
Adapter Ring di=75mm, da=90mm
Adapter Ring di=90mm, da=100mm

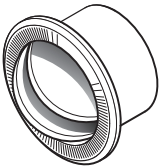
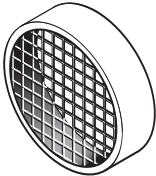
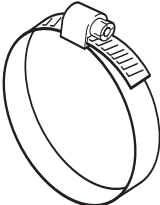
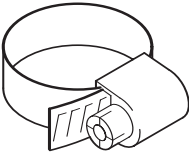


22 1000 01 00 08
25 1822 89 00 01
20 1607 80 00 01

AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
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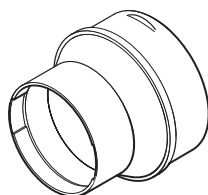
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Ducting

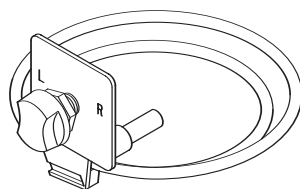
		Part Number	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
												
French Closeable Outlet with Flange (50mm or 2" Ducting)		2199985 (UK0 13 110)	•	•	•	•	•	•				
French Closeable Outlet with Flange (75mm or 3" Ducting)		330 31 311	•	•	•	•	•	•				
French Closeable Outlet with Flange (100mm or 4" Ducting)		2199986 (UK0 13 099)	•	•	•	•	•	•				
												
Air Inlet Safety Screen (60mm or 2.4")		25 1688 80 06 00	•		•							
Air Inlet Safety Screen (75mm or 3")		25 1552 05 01 00	•	•		•						
Air Inlet Safety Screen (90mm or 3.5")		25 1729 80 00 01		•		•	•					
Air Inlet Safety Screen (100mm or 4")		25 1226 89 44 00						•				
												
Stainless Steel Hose Clamp 33-57mm (50mm or 2" Ducting)		5550001 (CA1 10 040)	•	•	•	•	•	•				
Stainless Steel Hose Clamp 46-70mm (60mm or 2.4" Ducting)		5550004 (CA1 10 047)			•	•	•	•				
Stainless Steel Hose Clamp 59-83mm (75mm or 3" Ducting)		5550002 (CA1 10 041)	•	•	•	•	•	•				
Stainless Steel Hose Clamp 84-108mm (100mm or 4" Ducting)		5550003 (CA1 10 042)			•	•	•	•				
												
Ducting Clamp 70-90mm (pump 25 1578 25)		10 2065 07 00 90									•	
Ducting Clamp 90-110mm (pump 25 1371 89 34 00)		10 2065 09 01 10									•	
Ducting Clamp 32-50mm		10 2064 03 20 50	•	•	•	•	•	•	•	•	•	•
Ducting Clamp 33-57mm		5550001 (CA1 10 040)	•	•	•	•	•	•	•	•	•	•

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Plastic Reducer di=60mm, D=75mm
Plastic Reducer di=75mm, D=100mm
Plastic Reducer di=75mm, D=50mm
Plastic Reducer di=75mm, D=60mm
Plastic Reducer di=100mm, D=50mm

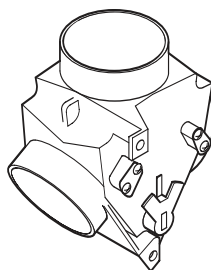


25 1688 89 00 10	•	•	•	•	•	
25 1226 89 00 47	•	•	•	•	•	•
25 1226 89 00 46	•	•	•	•	•	
25 1226 89 00 50	•	•	•	•	•	•
25 1226 89 00 48		•	•	•	•	



Operating Cable for 330 00 174
REQUIRES air regulating valve

22 1000 01 03 00 • • • • •



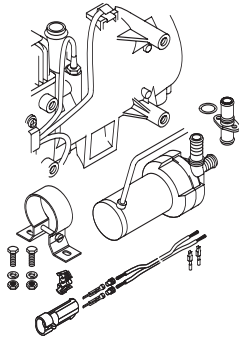
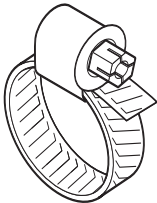
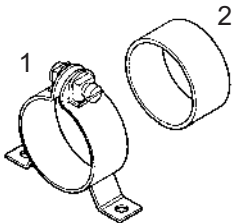
Air Regulating Valve 60mm
Air Regulating Valve 90mm
REQUIRES operating cable

330 00 174	•	•	•		
330 00 175	•	•	•	•	•

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Part Number

Plumbing

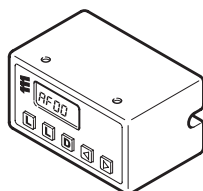
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Conversion Kit for Water Pump		22 1000 10 01 00								•		
Clamp 16-25mm ID		10 2064 01 60 25	•	•	•	•	•	•	•	•	•	•
Clamp 20-32mm ID		10 2065 02 00 32	•	•	•	•	•	•	•	•	•	•
Pump Clamp 48mm		22 1000 50 10 00					•	•				
Rubber Ring for Large FMP		20 1449 00 10 01					•					

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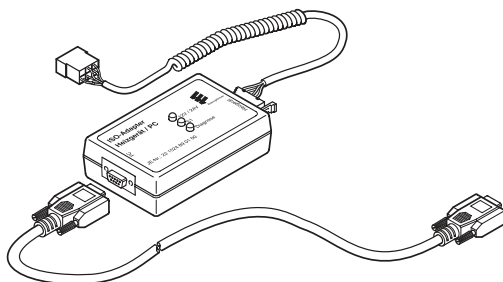
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Tester Adapter	20 2900	70 50 31	(CA1 05 031)
Tester Adapter	20 2900	70 50 28	(CA1 05 028)
Tester Adapter (Round)	20 2900	70 50 30	(CA1 05 030)
Tester Adapter (May not work with EDITH)	20 2900	70 50 36	(CA1 05 036)
Tester Adapter (Square)	20 2900	70 50 44	(CA1 05 044)
Tester Adapter (can be used with EDITH) 8pin to 6pin	20 2900	70 50 46	(CA1 05 046)
Tester Adapter used with EDITH		22 1000 31 86 00	
Tester Adapter used with EDITH		22 1000 31 63 00	
Tester Adapter		22 1000 31 66 00	
Tester Adapter EDITH only		22 1000 30 69 00	
Tester Adapter		25 2800 70 10 04	



Can be used with adapter cables for ISO _____ 20 2900 70 50 20 (CA1 05 020)



ISO - Adapter for computerized diagnostic	22 1524 89 00 00
ISO - Adapter for computerized diagnostic (includes USB to serial adapter)	22 1541 89 00 00
Additional USB to Serial Adapter (For computers without serial port)	22 1543 89 00 00



20 2800 70 1002

* = Not tested
○ = E-Guardian

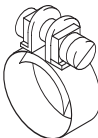
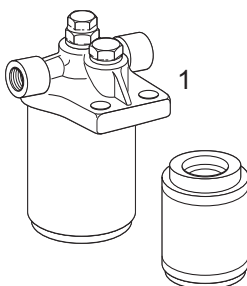
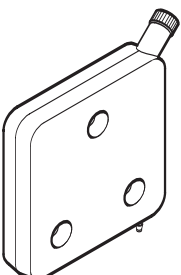
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Testers / Adapters / Special Tools

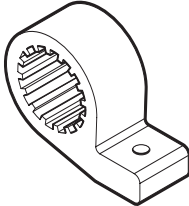
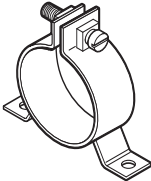
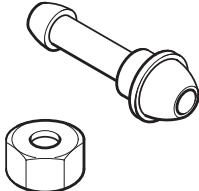
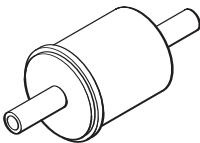
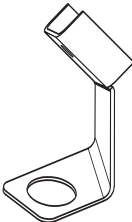
			Part Number									
			AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
Brass Glow Plug Brush		5590002 (CA0 05 003)			•	•	•	•	•	•		•
Fuel Line Cutter		5520003 (CA0 05 001)	•	•	•	•	•	•	•	•	•	•
Terminal Removal Tool 1.6mm		206 00 205							•			1
			•	•	•	•	•	•	•	•	•	2
Terminal Removal Tool 2.8mm		206 00 215										
Wire Crimper		5670003 (CA0 05 002)	•	•	•	•	•	•	•	•	•	•
AIRTRONIC D2 Demo Kit 12 volt		20 2820 69 02 83 (CA 2069 83)										

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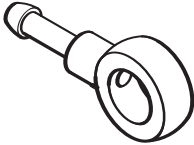
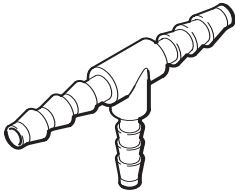
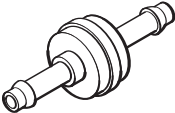
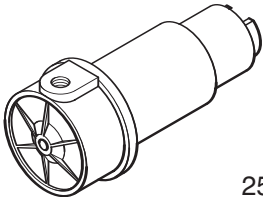
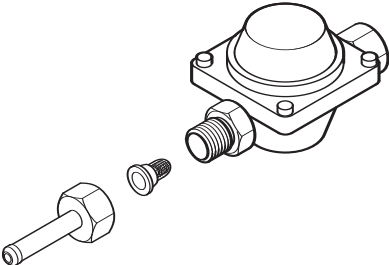
Fuel System

		Part Number	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
 Clamp 7mm (used with 360 75 300) Clamp 9mm (used with 360 75 300) Clamp 10mm (used with 360 75 350) Clamp 11mm (used with 360 75 350) Clamp 12mm (used with 360 31 070) Clamp 14mm		10 2068 00 70 78	•	•	•	•	•	•	•	•	•	•
		10 2068 00 90 98	•	•	•	•	•	•	•	•	•	•
		10 2068 01 00 98	•	•	•	•	•	•	•	•	•	•
		10 2068 01 10 98	•	•	•	•	•	•	•	•	•	•
		10 2068 01 20 98	•	•	•	•	•	•	•	•	•	•
		10 2068 01 40 98	•	•	•	•	•	•	•	•	•	•
 Fuel Filter Fuel Screen		330 00 052									•	1
		20 2900 20 20 64 (CA0 12 064)									•	2
 Plastic Fuel Tank (10L or 2.6 gal - Black) Plastic Cap		22 1000 20 21 00	•	•	•	•	•	•	•	•	•	•
		22 1000 20 22 00	•	•	•	•	•	•	•	•	•	•
 Plastic Fuel Filter		25 1226 89 00 37	•	•	•	•	•	•	•	•	•	•
Measuring cylinders 10 mm Measuring cylinders 25 mm		552 0004										
		552 0005										

Fuel System

		Part Number	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
		152 00 144	•	•	•	•	•		•			
Clamp 34mm for Fuel Metering Pump		22 1000 50 03 00	•	•	•	•	•		•			
FMP Holder for Noise Reduction (small pumps)		22 1000 50 07 00	•	•	•	•				•		
FMP Holder for Noise Reduction (large pumps)												
		25 1156 20 00 11						•		•		
Fuel Metering Pump Holder												
		20 2900 20 20 71 (CA0 12 071)									•	
Fuel Connector Nipple and Nut												
		25 1156 20 00 09	•	•	•	•	•	•	•	•	•	•
Plastic Fuel Filter (installed in front of fuel metering pump)												
		20 2900 40 01 04	•	•			•					
FMP Bracket												

Fuel System

		Part Number	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
 Bango fitting 8mm Bango fitting 10mm Bango fitting 14mm Bango washer 10mm	25 1352 88 00 05										•	
	26310085										•	
	25 1373 88 03 00										•	
	32316014											
 Fuel T-piece d=4mm, D=8mm Fuel T-piece d=6mm, D=6mm Fuel T-piece d=6mm, D=8mm Fuel T-piece d=6mm, D=10mm Fuel T-piece d=6mm, D=12mm	262 31 155							•				
	262 31 150	•	•	•	•	•	•	•	•	•	•	•
	262 31 151	•	•	•	•	•	•	•	•	•	•	•
	262 31 152	•	•	•	•	•	•	•	•	•	•	•
	262 31 153	•	•	•	•	•	•	•	•	•	•	•
 One Way Check Valve 6mm One Way Check Valve 8mm	244 31 060	•	•	•	•	•	•	•	•	•	•	•
	244 31 061	•	•	•	•	•	•	•	•	•	•	•
 Auxiliary fuel Pump 12 volt 2.5m suction Auxiliary fuel Pump 24 volt 2.5m suction	25 1226 89 82 00	•	•	•	•	•	•	•	•	•	•	•
	25 1226 89 83 00	•	•	•	•	•	•	•	•	•	•	•
 Pressure Reducer	22 1000 20 08 00	•	•	•	•	•	•	•	•	•	•	•

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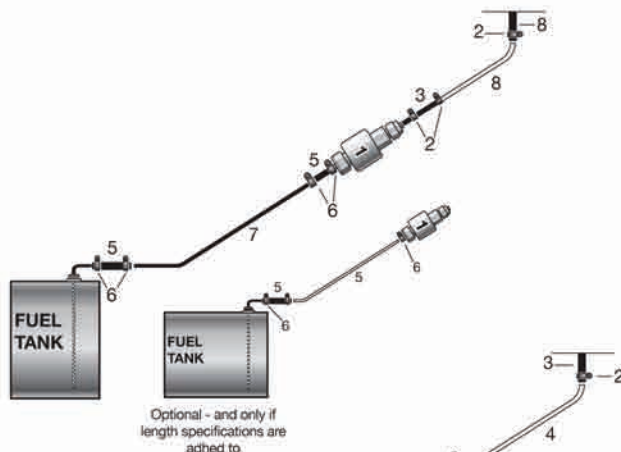
5

Fuel System Guide

This guide is to help in selecting which size fuel line, rubber hose and clamps are required for a specific heating system. Refer to the Fuel System section of this manual for specific part numbers.

Cross-reference this information with the corresponding heater manual for maximum height and length specifications.

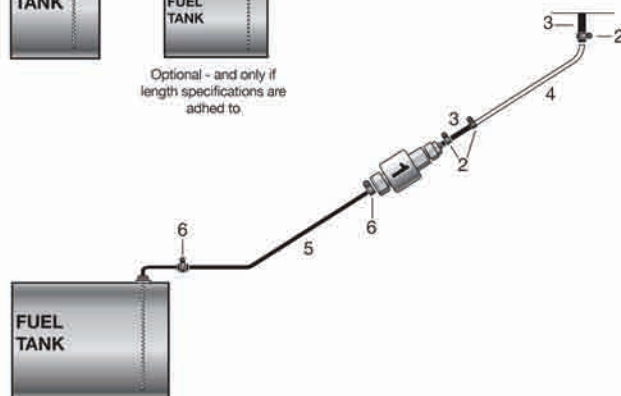
AIRTRONIC 2
AIRTRONIC 4
B1LC compact
B3LC compact
D/B5LC



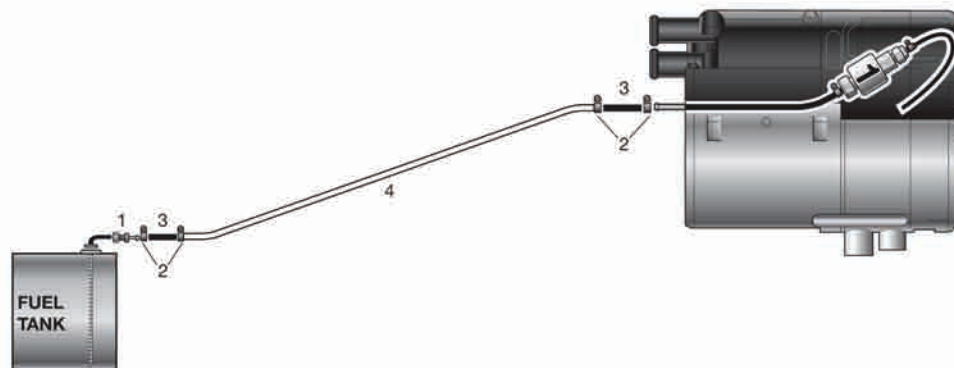
LEGEND

1. Fuel Pipe Reducer
2. Clamp 9mm
3. Rubber Connector 3.5mm
4. White Plastic Fuel Line 2.0mm
5. Rubber Connector / Fuel Line 5.0mm
6. Clamp 11mm
7. Black Plastic Fuel Line 2.0mm
8. White Plastic Fuel Line 1.5mm

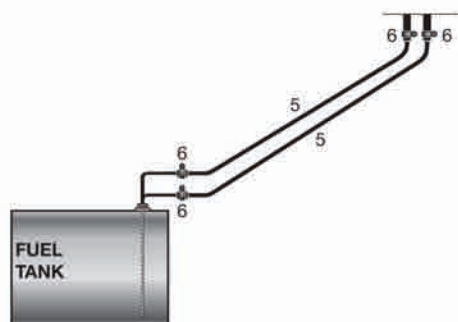
D8LC
HYDRONIC 10



HYDRONIC 4
HYDRONIC 5



HYDRONIC 16
HYDRONIC 24
HYDRONIC 30
HYDRONIC 35



Ducting Rating Guide

General Tips on Heating Air Ducting and Component Ratings

A heater has the biggest heating air throughput when it can operate with the air blowing freely. Heating air ducting components reduce the throughput. To enable you to check whether or not the installation you plan reduces the air throughput to an inadmissible degree, we have calculated a heater rating for each heater and a component rating for each heating air ducting component:

0 = no temperature increase
- = no component rating

The sum of component ratings for the heating air ducting components must not exceed the heater rating, otherwise the outlet temperature will become too high and trigger the safety cutout switch. If the sum of the component ratings exceeds the heater rating, it can be reduced by selecting a larger diameter for the air ducting parts.

Rule of Thumb:

Double the cross-section or two identical components running parallel = 1/4 of the rating.

Example:

50 diameter hose

A = 19.6 cm², R rating 1.0

75 diameter hose

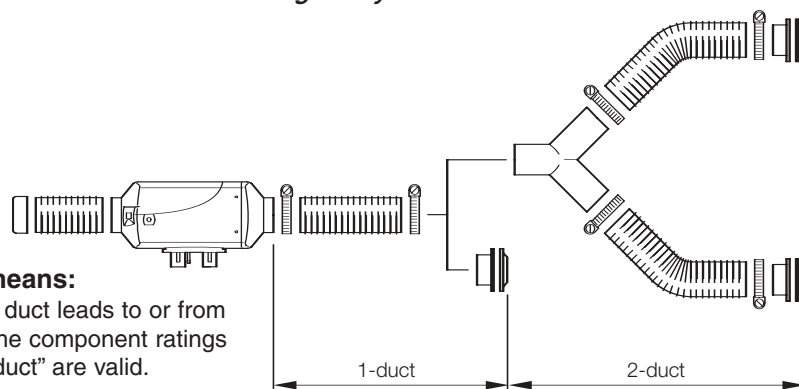
A = 44.2 cm², R rating 0.25

The component rating of smooth welded pipes is only half that of flexible pipe of equal diameter (e.g. double the pipe length).

Main-line Drawing for 1-duct and 2-duct Heating Air System

1-duct means:

A heating duct leads to or from heater. The component ratings under "1-duct" are valid.



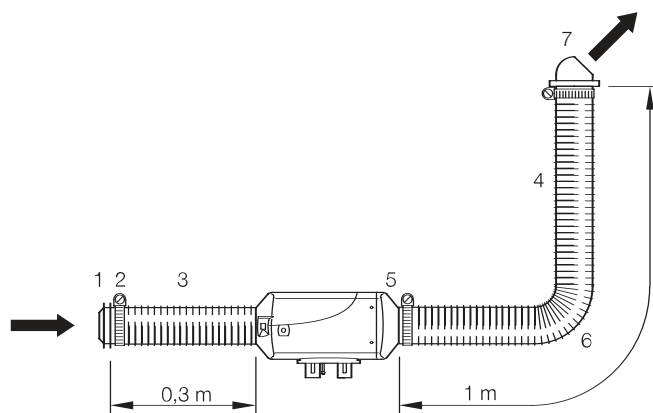
2-duct means:

The heating air line branches into two ducts after the heater. Up to the branch the component ratings under "1-duct" are valid, after the branch they fall under "2-duct". If an adjustable outlet is used in the 2-duct heating system, one duct must be unclosable. Note: When determining the sum of the component ratings, do not take the closable duct into consideration.

Example of Heating Air Ducting for AIRTRONIC D2

Heater Rating = 6

Item	Designation	Component Rating
1	Protective grille	1.7
2	Connection piece 60mm dia.	
3	Flex. pipe, 60mm dia. 0.3m long	0.3
4	Flex. pipe, 60mm dia. 1.0m long	1.0
5	Reduction hood 60mm straight	0
6	1 x 90° bends of flex. pipe	1.2
7	Swivel outlet	1.4
Total Component Rating		5.6



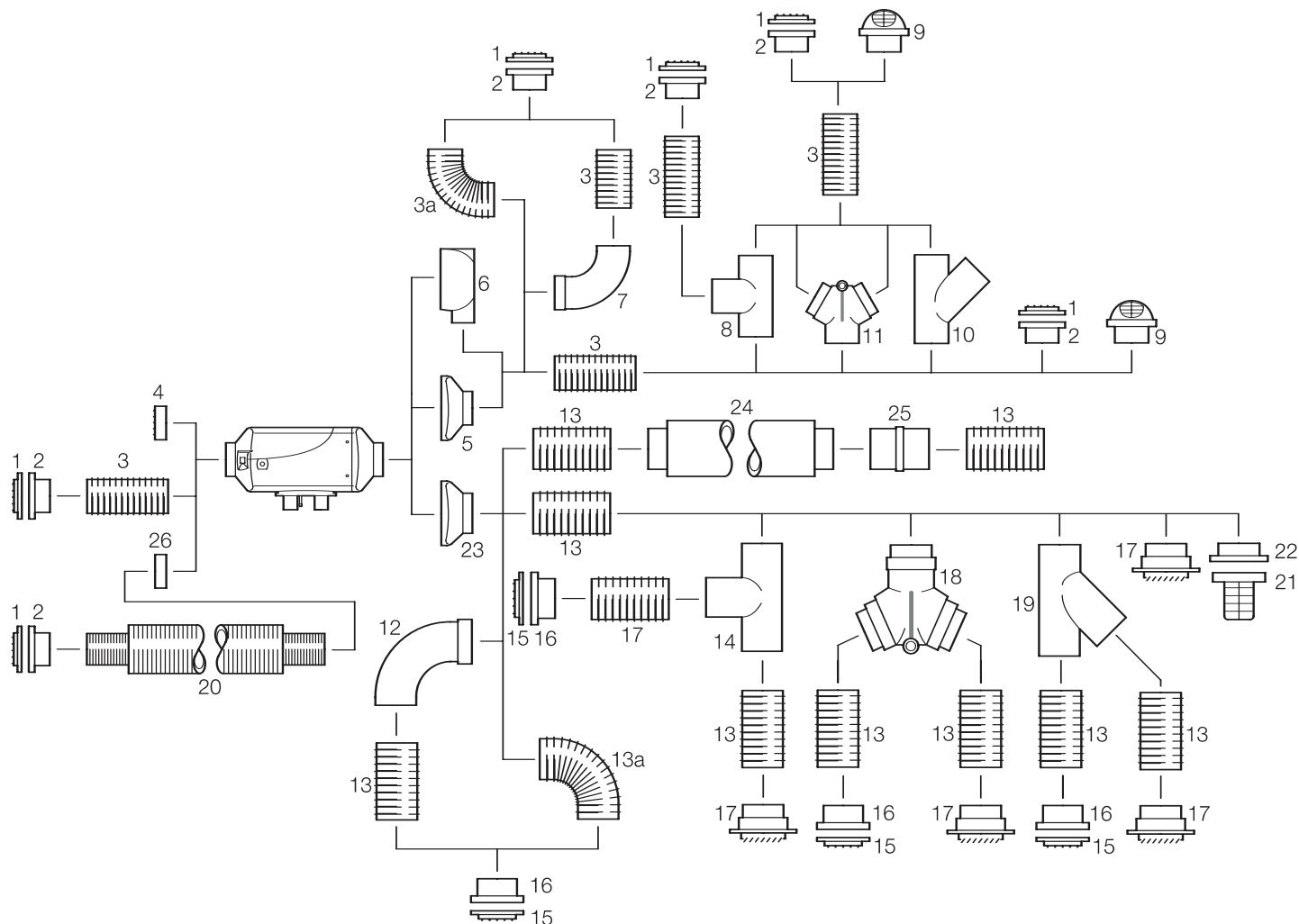
Rating sum = 5.6 and does not exceed the heater rating of 6. The installation is permissible.

Ducting Rating Guide for *AIRTRONIC D2*

Heater Rating 6 - applies with a 60mm dia. outlet hood.

Heater Rating 12 - applies with a 75mm dia. outlet hood

The sketch shows how the most important air ducting parts that can be used. They are not intended as examples of installation.



Ducting Rating Guide for *AIRTRONIC D2*

Fig. No.	Designation (measurements in millimeters)	Component Rating		See per No. Air Ducting
		1-duct	2-duct	
	Heating air ducting with reduction hood 60 dia. (heater rating 6)			
1	Grille with	1.7	0.6	16
2	connecting socket, plastic			25
3	Flexible pipe, 60 dia. per m	1	0.3	1
3a	90° pipe bend of flex. pip, 60 dia.	1.2	0.8	1
4	Protective grille	0	-	18
5	Reduction hood, 60 dia.	0	-	30
6	Spherical reduction hood, 60 dia.	4.5	-	34
7	90° pipe bend	4.1	0	35
8	T-piece	-	0.6	40
9	Outlet grill 60 dia. (rotatable)	1.4	0	10
10	Y-piece	-	0.3	45
11	Regulating valve 60x60x60 dia. with flap			
	Position "middle"	-	0	41
	Position "right/left"	-	1	
	Heating air ducting with reduction hood 75 dia. (heater rating 12)			
12	Pipe bend, 75 dia.	3	0.8	35
13	Flexible pipe, 75 dia. per m	1	0.3	1
13a	90° pipe bend of flex. pipe, 75 dia.	1.2	0.5	1
14	T-piece 75x75x75 dia.	-	0.8	40
15	Grille, 75 dia.	-	-	16
16	Connecting socket, metal, 75 dia.	0.5	0	27
17	Outlet grill (rotatable)	0.4	0	11
18	Regulating valve 75x75x75 dia. with flap			
	Position "middle"		0.4	41
	Position "right/left"		1.5	
19	Y-piece 75x75x75 dia.	-	0.4	45
20	Intake silencer, 75 dia.	0.5	-	4
21	Outlet grill with	0.4	0.4	17
22	Connecting socket, plastic, 75 dia.			17.2
23	Reduction hood, 75 dia.	0	0	30
24	Silencer, 75 dia.	1	-	3
25	Connector, 75 dia.	0.1	-	46
26	Ring, 60x75 dia.	0	-	36

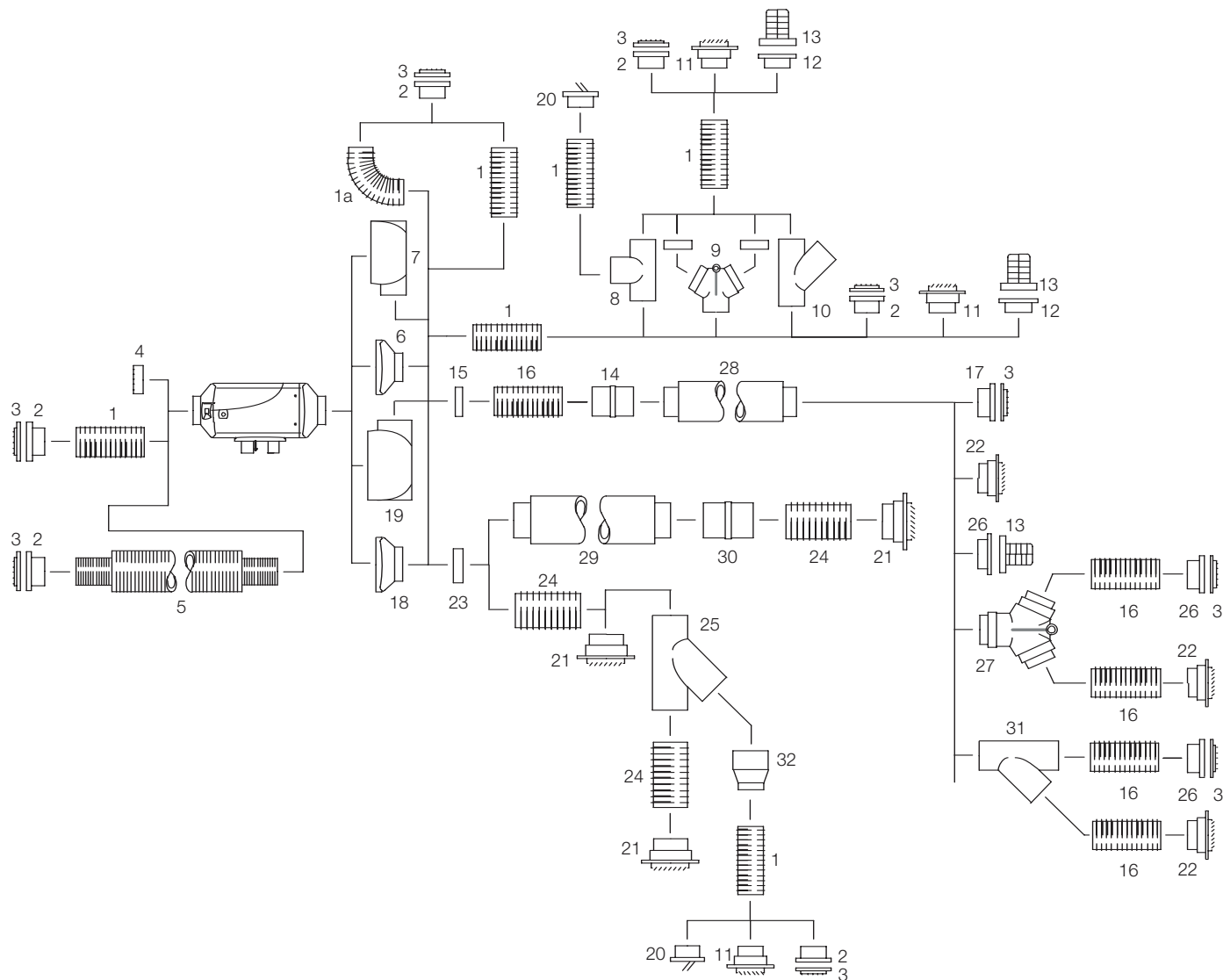
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1
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Ducting Rating Guide for *AIRTRONIC D4*

Heater Rating 3 - applies with a 75mm dia. outlet hood.

Heater Rating 10 - applies with a 90mm dia. outlet hood

The sketch shows how the most important air ducting parts that can be used. They are not intended as examples of installation.



Ducting Rating Guide for *AIRTRONIC D4*

Fig. No.	Designation	Component Rating				See per No. Air Ducting
	(measurements in millimeters)	1-duct		2-duct		
	Heating air ducting with reduction hood 75 dia. (heater rating 3)					
	Heating air ducting with reduction hood 90 dia. (heater rating 10)					
		75	90	75	90	
1	Flexible pipe, 75 dia. per m	1	-	0.2	0.3	1
1a	90° pipe bend of flex. pipe, 75 dia.	1	-	0.2	0.4	1
2	Connecting socket, metal, 75 dia.	1.4	1.4	-	0.5	27
3	Grille	-	-	-	-	16
4	Grille, 75 dia.	-	-	-	-	18
5	Intake silencer, 75 dia.	1	0.8	-	-	4
6	Reduction hood, 75 dia.	0	-	-	-	30
7	Spherical reduction hood, 75 dia.	2	-	-	-	34
8	T-piece 75x75x75 dia.	-	-	0.3	-	40
9	Regulating valve 75x75x75 dia. with flap					
	Position “middle”	0	-	-	-	41
	Position “right/left”	1.3	-			
10	Branch piece 75x75x75 dia.	-	-	1.8	-	45
11	Outlet grill (rotatable) 75 dia.	0.6	-	0.5	0.3	11
12	Connector, 75 dia.	-	-	-	-	17.2
13	Outlet grill	1	3.3	0.5	0.5	17
14	Connector, 75 dia.	-	0.1	-	-	46
15	Ring, 75x90 dia.	0	0	-	-	36
16	Flexible pipe, 90 dia. per m	-	1	-	-	1
17	Connector socket, 90 dia. with grille	-	1.4	-	0.5	27
18	Reduction hood, 90 dia.	-	0	-	-	30
19	Spherical reduction hood, 90 dia.	-	5	-	-	34
20	Round outlet, 75 dia.	-	-	-	2.1	12
21	Outlet grill (rotatable) 100 dia.	-	1.4	-	0.5	11
22	Outlet grill (rotatable) 90 dia.	-	2.4	-	0.3	11
23*	Grille, round, 90x100 dia.	-	0	-	-	18
24	Flexible pipe, 100 dia. per m	-	0.6	-	0.4	1
25	Y-piece 100x100x100 dia.	-	-	-	0.5	45
26	Connector, 90 dia., with exhauster pos. 13	-	3.3	-	-	17.2
27	Regulating valve 90x90x90 dia.					
	Position “middle”	-	0	-	-	41
	Position “right/left”	-	1.4	-	-	
28	Silencer, 90 dia.	-	1	-	-	3
29	Silencer, 100 dia.	-	1	-	-	3
30	Connector, 100 dia.	-	0.1	-	-	46
31	Y-piece 90x90x90 dia.	-	-	-	0.5	45
32	Reduction piece, 100 dia. - 75 dia.	-	-	-	0.5	47

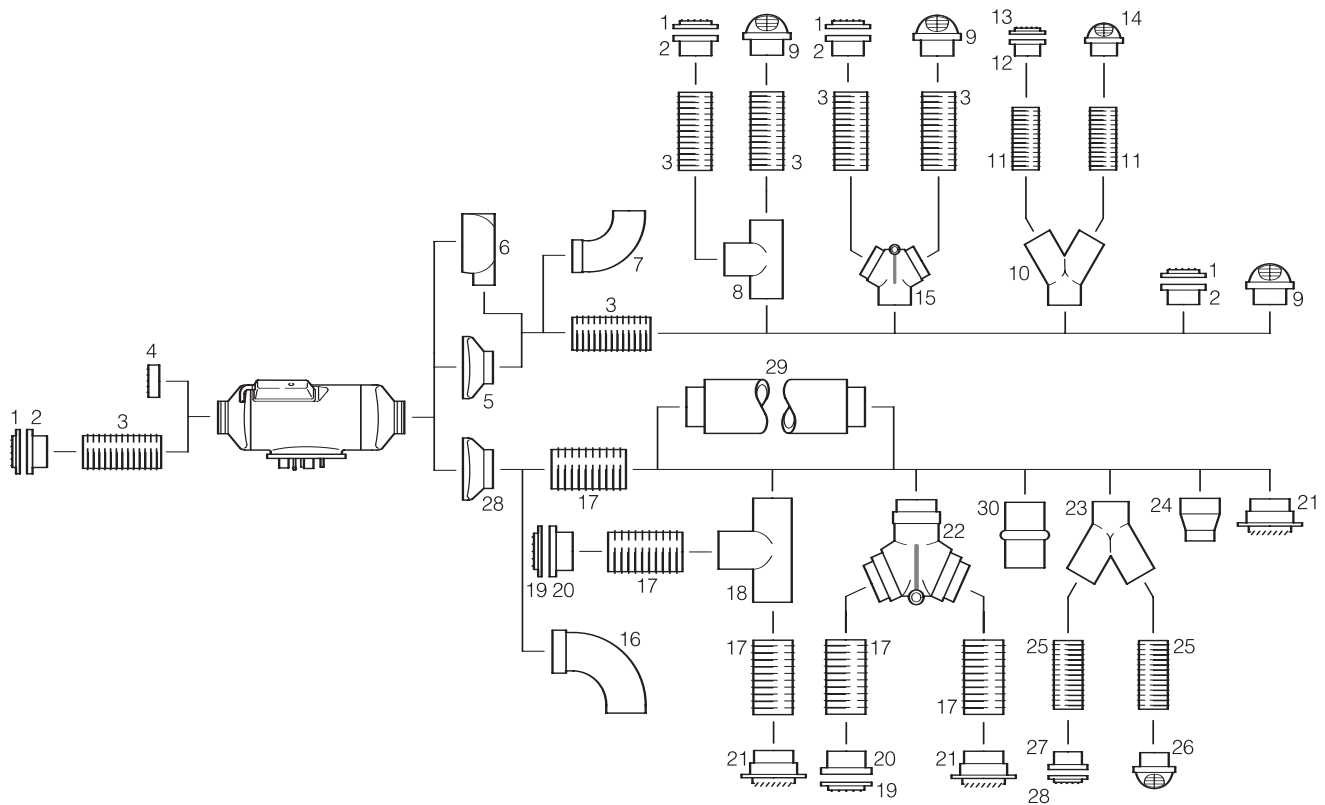
*Pos. 23 - if used as adapter 90x100 dia., cut out the mesh.

Ducting Rating Guide for B1LC *compact*

Heater Rating 6 - applies with a 60mm dia. outlet hood.

Heater Rating 15 - applies with a 75mm dia. outlet hood

The sketch shows how the most important air ducting parts that can be used. They are not intended as examples of installation.



Ducting Rating Guide for B1LC *compact*

Fig. No.	Designation (measurements in millimeters)	Component Rating		See per No. Air Ducting
		1-duct	2-duct	
	Heating air ducting with reduction hood 60 dia. (heater rating 6)			
1	Grille	1.2	0.4	16
2	Connecting socket, plastic	0.3	0	25
3	Flexible pipe, 60 dia. per m	1	0.25	1
-	90° pipe bend of flex. pipe, 60 dia.	0.5	0.1	1
4	Protective grille	0.15	-	18
5	Reduction hood 60 dia.	0	0	31
6	Spherical reduction hood, 60 dia.	1.7	1.7*	32
7	Pipe bend, 60 dia.	3	*	35
8	T-piece, 60 dia.	-	0.3	40
9	Outlet grill (rotatable) 60 dia.	1	0.15	10
10	Y-piece, 60 dia.	-	0.85	44
11	Flexible pipe, 50 dia. per m	-	0.25	1
-	90° pipe bend of flex. pipe, 50 dia.	-	0.1	1
12	Connecting piece	-	0	25
13	Outlet grill	-	0.15	16
14	Outlet grill (rotatable) 50 dia.	-	0.15	10
15	Regulating valve 60x60x60 dia. with flap			
	Position "middle"	-	0	41
	Position "right/left"	-	1	
	Heating air ducting with reduction hood 75 dia. (heater rating 15)			
16	Pipe bend, 75 dia.	2	2*	35
17	Flexible pipe, 75 dia., per m	1	0.25	1
-	90° pipe bend of flex. pipe, 75 dia.	0.7	0.15	1
18	T-piece 75x75x75 dia.	-	0.7	40
19	Grille, 75 dia.	0.3	0	16
20	Connecting socket, metal, 75 dia.	0	0	27
21	Outlet grill (rotatable) 75 dia.	0.7	0.15	11
22	Regulating valve 75x75x75 dia. with flap			
	Position "middle"	-	0	41
	Position "right/left"	-	1	
23	Y-piece 50x75x50 dia.	-	1.3	43
24	Reducing piece, 75 dia. - 50 dia.	-	0.8	47
25	Flexible pipe, 50 dia. per m	-	1	1
-	90° pipe bend of flex. pipe, 50 dia.	-	0.8	1
26	Outlet grill (rotatable) 50 dia.	-	0.35	10
27	Connecting socket, plastic, 50 dia.	-	0	25
28	Reduction hood, 75 dia.	0	0	31
29	Silencer, 75 dia.	1	-	3
30	Connector, 75 dia.	-	-	46

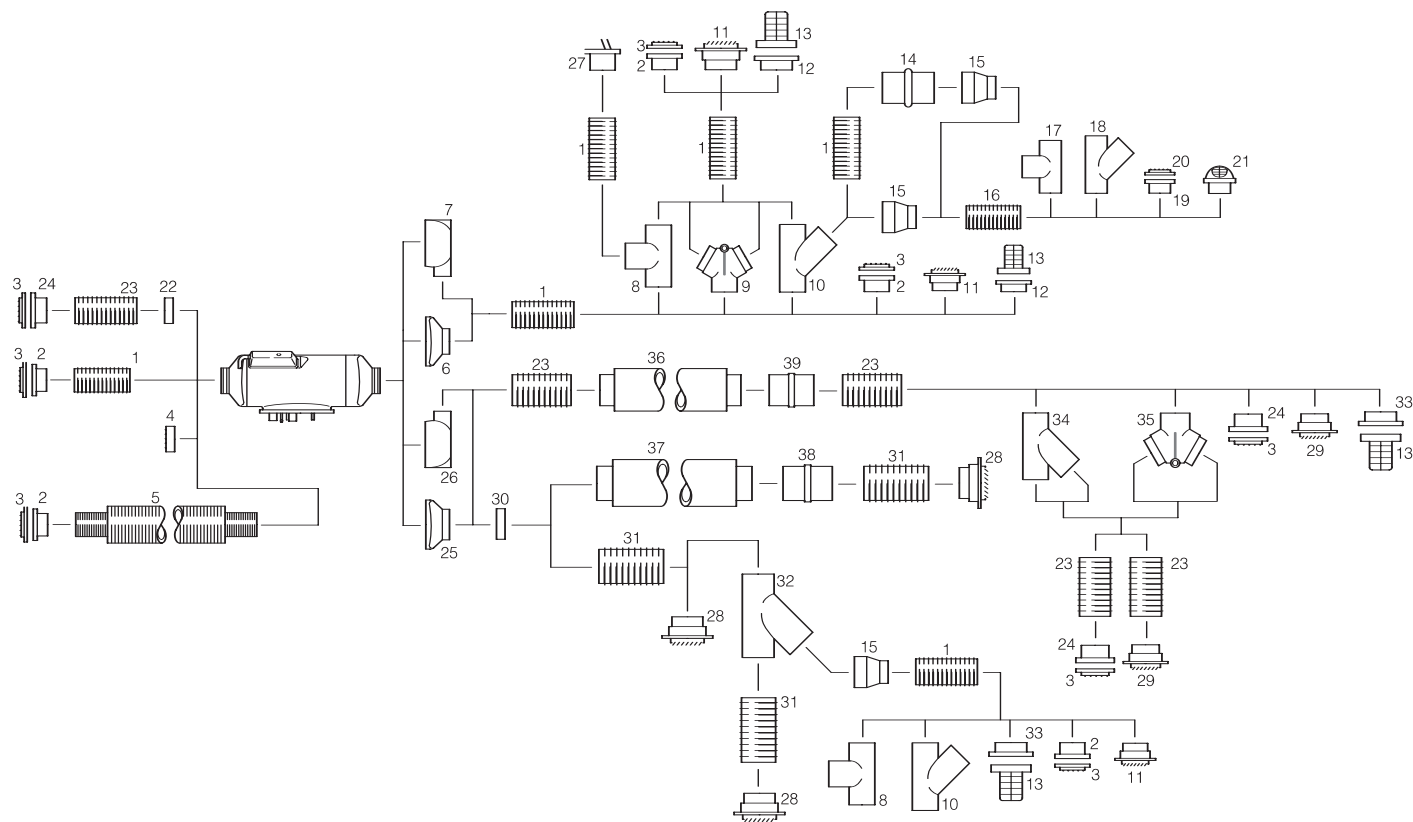
*Component is in front of the 2-duct system. In the case of a combination of air-ducting parts - dia. 60 at the intake side and dia. 75 at the exhaust side - the rating of the components at the exhaust side must be multiplied by 0.4. The heating rating 6 applies.

Ducting Rating Guide for B3LC *compact*

Heater Rating 6 - applies with a 75mm dia. outlet hood.

Heater Rating 13 - applies with a 90mm dia. outlet hood

The sketch shows how the most important air ducting parts that can be used. They are not intended as examples of installation.



Ducting Rating Guide for B3LC *compact*

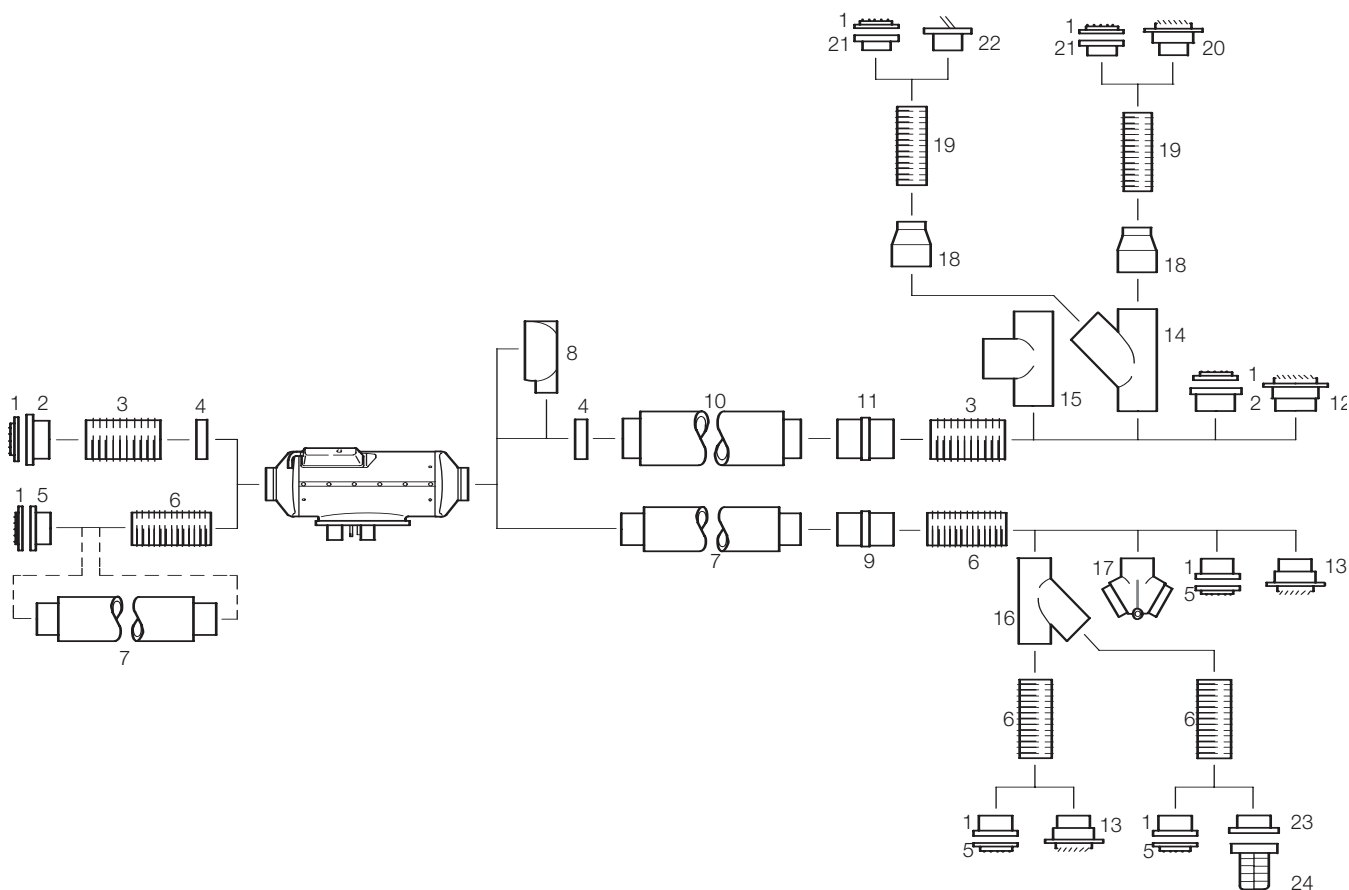
Fig. No.	Designation (measurements in millimeters)	Component Rating				See per No. Air Ducting
		1-duct		2-duct		
	Heating air ducting with reduction hood 75 dia. (heater rating 6)					
	Heating air ducting with reduction hood 90 dia. (heater rating 13)					
		75	90	75	90	
1	Flexible pipe, 75 dia. per m	1	0.9	0.3	0.5	1
2	Connecting socket, metal, 75 dia.	0.3	0.3	0	0	27
3	Grille	0.8	0.5	0.3	0	16
4	Grille, 75 dia.	0.3	0.3	-	-	18
5	Intake Silencer, 75 dia.	0.5	0.5	-	-	4
6	Reduction hood, 75 dia.	0	-	-	-	31
7	Spherical reduction hood, 75 dia.	2.6	-	-	-	32
8	T-piece 75x75x75 dia.	-	-	0.5	0.5	40
9	Regulating valve 75x75x75 dia.	-	-	0.5	-	41
10	Branch piece 75x75x75 dia.	-	-	0.8	0.8	45
11	Outlet grill (rotatable) 75 dia.	0.8	-	0.5	-	11
12	Connector, 75 dia.	0.5	-	0.3	0.3	17.2
13	Outlet grill	0.3	0.3	0.2	0.2	17
14	Connector, 75 dia.	0.3	-	0	-	46
15	Reduction piece, 75 ida. - 60 dia.	-	-	0.3	0	47
16	Flexible pipe, 60 dia. per m	-	-	0.8	-	1
17	T-piece 60x60x60 dia.	-	-	0	-	40
18	Branch piece 60x60x60 dia.	-	-	0	-	45
19	Connecting socket, plastic, 60 dia.	-	-	-	-	25
20	Grille, 60 dia.	-	-	0.2	-	16
21	Outlet grill (rotatable) 60 dia.	-	-	0.8	-	10
22	Ring, 75x90 dia.	0.3	0.3	-	-	36
23	Flexible pipe, 90 dia. per m	-	1	-	-	1
24	Connecting socket, metal, 90 dia.	-	0.5	-	-	27
25	Reduction hood, 90 dia.	-	0	-	-	31
26	Spherical reduction hood, 90 dia.	-	1.4	-	-	32
27	Round outlet, 75 dia.	-	-	-	-	12
28	Outlet grill (rotatable) 100 dia.	-	2.3	-	0	11
29	Outlet grill (rotatable) 90.	-	2.8	-	0	11
30	Grille, round, 90x100 dia.*	-	0	-	-	18
31	Flexible pipe, 100 dia. per m	-	-	-	-	1
32	Y-piece, 100x100x100 dia.	-	-	-	0	45
33	Connector, 90 dia.	-	0.5	-	-	17.2
34	Y-piece	-	-	0.6	0.6	45
35	Regulating valve 90x90x90 dia. with flap					
	Position “middle”	-	0			41
	Position “right/left”	-	1			
36	Silencer, 90 dia.	-	1	-	-	3
37	Silencer, 100 dia.	-	1	-	-	3
38	Connector, 100 dia.	-	-	-	-	46
39	Connecting socket, 60 dia.	-	-	0.3	-	46

*Pos. 30 - if used as adapter 90x100 dia., cut out the mesh.

Ducting Rating Guide for *AIRTRONIC5*

Heater Rating 10

The sketch shows how the most important air ducting parts that can be used. They are not intended as examples of installation.



Ducting Rating Guide for *AIRTRONIC5*

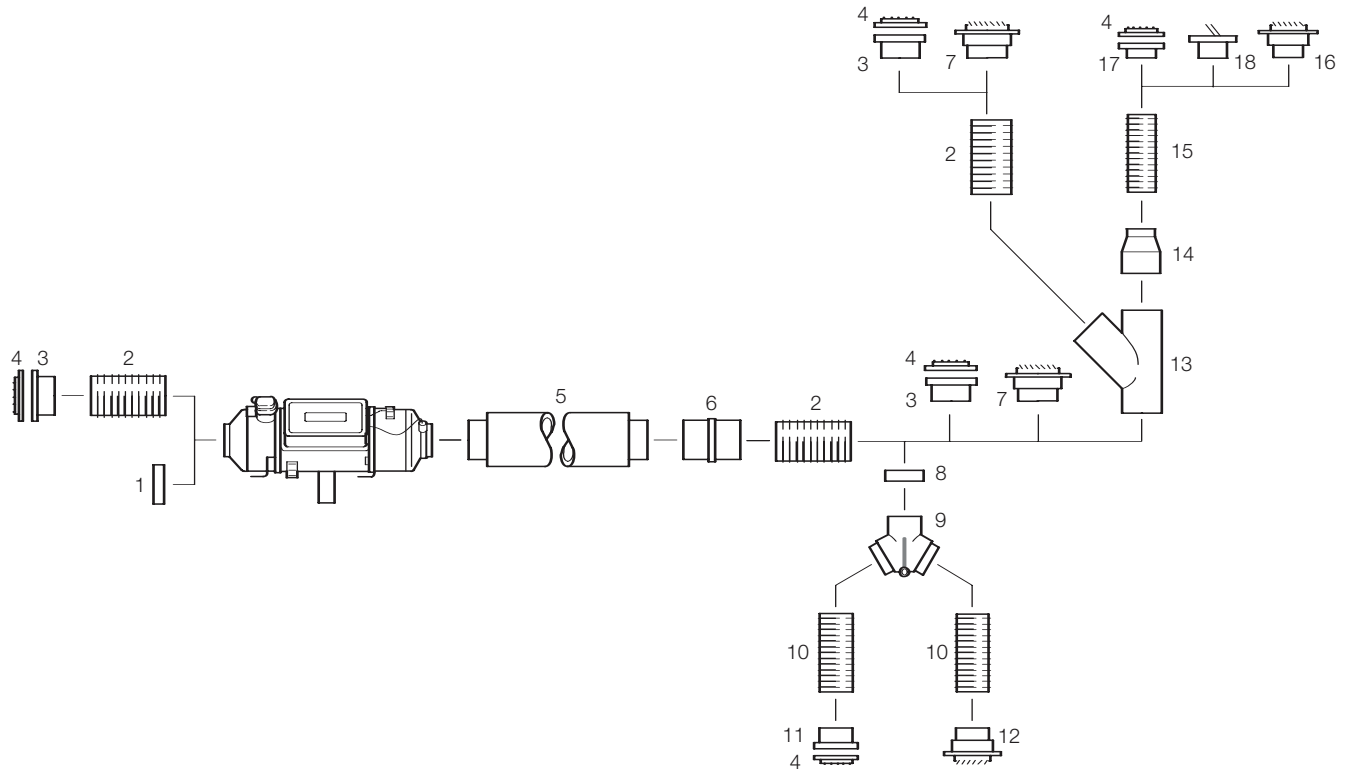
Fig. No.	Designation (measurements in millimeters)	Component Rating		See per No. Air Ducting
		1-duct	2-duct	
	Heating air ducting with reduction hood 90 dia. (heater rating 10)			
1	Grille	0.5	0.25	16
2	Connecting socket, metal, 100 dia.	0	0	26
3	Flexible pipe, 100 dia. per m	0.5	0.25	1
	Bend, 90° of flexible pipe, 100 dia.	0	0	1
4	Grille, 90x100 dia.*	0	-	18
5	Connector piece, 90 dia.	0	0	27
6	Flexible pipe, 90 dia. per m	1.0	0.3	1
	Bend, 90° of flexible pipe, 90 dia.	0.25	0	1
7	Silencer, 90 dia.	0.6	0.3	3
8	Spherical reduction hood, 90 dia.	1.5	-	31
9	Connector, 90 dia.	-	-	46
10	Silencer, 100 dia.	0.25	0	3
11	Connector, 100 dia.	-	-	46
12	Outlet grill (rotatable) 100 dia.	3.25	1.0	11
13	Outlet grill (rotatable) 90 dia.	3.25	1.0	11
14	Y-piece 100x100x100 dia.	0.5	0	45
15	T-piece 100x100x100 dia.	0.25	0	40
16	Y-piece 90x90x90 dia.	0.5	0	45
17	Regulating valve 90x90x90 dia.			
	Position "middle"	0	-	41
	Position "right/left"	1	-	
18	Reduction piece, 100 dia. - 75 dia.	2.75	1.0	47
	Flexible pipe, 75 dia. per m	-	1.5	1
	Bend, 90° of flexible pipe, 75 dia.	-	0.5	1
20	Outlet grill (rotatable) 75 dia.	-	1.25	11
21	Connecting socket, metal, 75 dia.	-	0	27
22	Round outlet, 75 dia., closing	-	-	12
23	Connector, 90 dia.	-	-	17.2
24	Outlet grill	-	-	17

*Pos. 4 - if used as adapter 90x100 dia., cut out the mesh.

Ducting Rating Guide for D8LC

Heater Rating 8

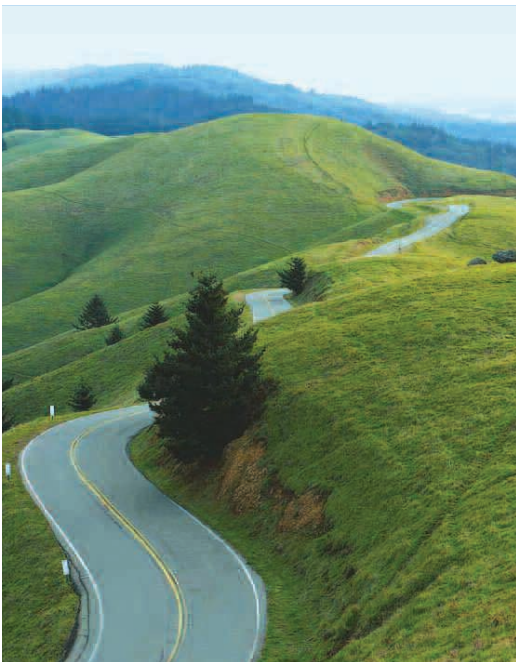
The sketch shows how the most important air ducting parts that can be used. They are not intended as examples of installation.



Ducting Rating Guide for D8LC

Fig. No.	Designation (measurements in millimeters)	Component Rating		See per No. Air Ducting
		1-duct	2-duct	
	Heating air ducting with reduction hood 100 dia. (heater rating 8)			
1	Grille, 100 dia.	0.1	-	18
2	Flexible pipe, 100 dia., per m	1.0	0.25	1
-	Pipe bend, 90°, of flex. pipe, 100 dia.	0.5	0.15	1
3	Connecting socket, metal, 100 dia.	0.18	0.1	26
4	Grille, painted, 100 dia.	1.8	0.1	16
-	Grille, nickel-plated, 100 dia.	1.8	0.1	16
5	Silencer, 100 dia.	1.1	0.25	3
6	Connector socket, 100 dia.	-	-	46
7	Outlet grill (rotatable), 100 dia.	3.25	1.1	11
8	Grille, 90x100 dia.*	0	-	18
9	Regulating valve 100x100x100 dia.	2.4	-	41
10	Flexible pipe, 90 dia., per m	1.0	0.25	1
11	Connecting socket, metal, 90 dia.	-	-	27
12	Outlet grill (rotatable) 90 dia.	-	1.4	11
13	Y-pipe 100x100x100 dia.	0	-	45
14	Reduction piece, 100 dia. - 74 dia.	-	0.55	51
15	Flexible pipe 75 dia. per m	-	1.1	1
-	Pipe bend, 90° of flex. pipe, 75 dia.	-	1.1	1
16	Outlet grill (rotatable) 75 dia.	-	-	11
17	Connector socket, 75 dia.	-	0.1	27
18	Connecting socket, metal, 75 dia.	-	0.15	12

*Pos. 8 - if used as adapter 90x100 dia., cut out the mesh.



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