HINO PARTS ALL-MAKES

HINO TRUCKS
A Toyota Group Company

PARTS ALERT

ESPAR HEATER SALE
UP TO 41% OFF DNP!

Espar

ESPAR AND HINO ARE OFFERING HUGE SAVINGS ON SELECT TRUCK HEATERS

DETAILS:

- Espar and Hino are offering deep discounts on select truck heaters, see following page for eligible part numbers and discounts.
- To place your order, simply fill out the manual order form attached with desired part numbers and quantities and email to your Hino DPM. Your Hino DPM will review your order and submit to helpdesk@hino.com.

SALE ENDS: 12-31-2016

TO:

Dealer Principals
General Managers
Parts Managers

BULLETIN: PA-2016-074
DATE: 9-12-2016
EXP: 12-31-2016

See next page for eligible part numbers and discounts

INFORMATION ON ESPAR:

CLICK HERE FOR ESPAR LITERATURE DOWNLOADS

CLICK HERE FOR ESPAR APPLICATION AND EDUCATIONAL VIDEOS

Hino Trucks reserves the right to make changes, including change in price, content, description, terms, time period, etc. at any time without notice.

GENUINE HINO PARTS | HINOSTYLE PARTS | HINO PARTS ALL-MAKES

Hino Trucks National PDC
Phone: (866) 372-4466 | Fax: (662) 342-5151
E-Mail: helpdesk@hino.com

HINO PARTS ALL-MAKES

PARTS ALERT

Espar

ESPAR ELIGIBLE PARTS AND DISCOUNTS

1 to 24 PCS Pricing

Espar Part number	Hino Part Number	Description	% OFF DNP
20 2820 69 0263	ES-2028206902630Z	AIRTRONIC D2 W/ DIGI MAX CONTROLLER	34%
25 2825 26 05 20	ES-2528252605200Z	HYDRONIC D5E KIT NO CNTRL	22%
25 2825 26 05 40	ES-2528252605400Z	HYDRONIC D5E BOXED KIT NO CNTRL	23%
20 2812 15 20 61	ES-2028121520610Z	D2/D5E Combo Digi-Max / No Control	23%
20 2812 15 20 62	ES-2028121520620Z	D2/BOXED D5E Combo Digi-Max / No Control	23%

1-2 Pallets

Espar Part number	Hino Part Number	Description	% OFF DNP
20 2820 69 0263	ES-2028206902630Z	AIRTRONIC D2 W/ DIGI MAX CONTROLLER	38%
25 2825 26 05 20	ES-2528252605200Z	HYDRONIC D5E KIT NO CNTRL	26%
25 2825 26 05 40	ES-2528252605400Z	HYDRONIC D5E BOXED KIT NO CNTRL	26%
20 2812 15 20 61	ES-2028121520610Z	D2/D5E Combo Digi-Max / No Control	26%
20 2812 15 20 62	ES-2028121520620Z	D2/BOXED D5E Combo Digi-Max / No Control	26%

3 Pallets +

Espar Part number	Hino Part Number	Description	% OFF DNP
20 2820 69 0263	ES-2028206902630Z	AIRTRONIC D2 W/ DIGI MAX CONTROLLER	41%
25 2825 26 05 20	ES-2528252605200Z	HYDRONIC D5E KIT NO CNTRL	30%
25 2825 26 05 40	ES-2528252605400Z	HYDRONIC D5E BOXED KIT NO CNTRL	30%
20 2812 15 20 61	ES-2028121520610Z	D2/D5E Combo Digi-Max / No Control	30%
20 2812 15 20 62	ES-2028121520620Z	D2/BOXED D5E Combo Digi-Max / No Control	30%

- ✓ Dealers must order one part number per pallet in order to receive pallet pricing (1-2 pallets or 3+ pallets).
- ✓ 25 Units = 1 pallet
- ✓ Contact your Hino DPM with questions

Hino Trucks
Manual Order Form

HINO TRUCKS
A Toyota Group Company

DEALER NAME:	
ORDERING DEALER CODE:	
CONTACT EMAIL ADDRESS	
ORDERED BY (NAME):	
DEALER RETURN FAX:	

APPROVED DEALER SHIP TO ADDRESS REQUIRED ON ALL ORDERS	
DEALER NAME:	
STREET ADDRESS:	
CITY, STATE; ZIP:	
ATTENTION:	
P.O. #	

Bill to Account #:

☐ **AVAILABILITY ONLY - DO NOT SHIP (FILL IN DEALER RETURN FAX # ABOVE)**

SUB-ORDER TYPE (SELECT ONLY ONE BOX):

☐ **(S2)** STOCK ORDER - ***GROUND SHIPPING ONLY - All Regular Direct Ship & PDC Orders***

☐ **(E1)** DEALER EMERGENCY ORDER - ***OVERNIGHT SHIPPING ONLY*** **

☐ **(E2)** VEHICLE OFF ROAD **(VOR)** EMERGENCY, SHIP TO MY CUSTOMER DIRECT - ***OVERNIGHT SHIPPING ONLY*** **

EMERGENCY SHIPMENT SERVICES, FOR E1 OR E2 ONLY (CHECK BOX BELOW IF APPLICABLE):
OTHER SERVICES

☐ **SATURDAY OVERNIGHT** **

PLEASE NOTE: MAJOR UNIT PIECES AND PARTS NOT SHIPPABLE VIA UPS WILL BE SHIPPED VIA COMMON CARRIER GROUND SERVICE. IF OVERNIGHT SERVICE IS REQUIRED, THE SHIPMENT WILL BE SENT FREIGHT COLLECT.

KEY: ** ADDITIONAL SHIPPING & HANDLING FEES APPLY FOR THE PARTICULAR ABOVE SERVICE(S).

	MUST HAVE		Optional		SALE DNP		
	PART NUMBER	QTY	PART DESCRIPTION	Supplier	% OFF DNP 1-24 pcs	% OFF DNP 1-2 Pallets	% OFF DNP 3+ Pallets
1	20.2820.69.0263.0Z		AIRTRONIC D2 W/ DIGI MAX CONTROLLER	ESPAR	34%	38%	41%
2	25.2825.26.0520.0Z		HYDRONIC D5E KIT NO CNTRL	ESPAR	22%	26%	30%
3	25.2825.26.0540.0Z		HYDRONIC D5E BOXED KIT NO CNTRL	ESPAR	23%	26%	30%
4	20.2812.15.2061.0Z		D2/D5E Combo Digi-Max / No Control	ESPAR	23%	26%	30%
5	20.2812.15.2062.0Z		D2/BOXED D5E Combo Digi-Max / No Control	ESPAR	23%	26%	30%
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							

All pricing is subject to change at any time without notice. Pricing in Hino DCS may override this form. By submitting this form, You agree that the information You submit will be accurate, to the best of Your knowledge.

REPRODUCIBLE FORM

FORM HDT-PTSOF1 (COVER PAGE)

EMAIL THIS FORM TO HELPDESK@HINO.COM OR FAX THIS ORDER FORM TO THE MEMPHIS NATIONAL PDC AT (662) 342-5151

Vendor: Espar

Vendor Information	Espar Heater Systems has the most comprehensive range of independent and compact fuel operated air and coolant heater products available in today's marketplace. Offering close attention to detail and technical design, Espar leads the industry in Excellence in Supporting Product Applications and Reliability. Espar supplies these auxiliary gas/diesel-fired heaters to the truck, bus, marine, automotive/pick-ups, off-highway, cargo and military markets. Celebrating over 30 years in North America, Espar proudly supports their mission statement and is ISO/TS 16949:2009 certified and has now received certification for ISO 14001:2004.
Customer Service & Technical Support	Hino Parts Support Phone: 866-372-4466 Hino Parts Support Email: helpdesk@hino.com Hino Parts Support Fax: 662-342-3939 Espar Phone: (800) 387-4800 or 905-670-0960 Espar Technical Service Email: akonyshev@espar.com Espar Dealer Warrannty Claim Form: http://www.espar.com/dealers/warranty_claim_form.php Espar Web: http://www.espar.com Espar Fax: 905-670-0728 Espar Order Inquiry / Tracking Numbers: cramsaroop@espar.com (Camla Ramsaroop)
Order Procedures:	All orders are to be placed through the Hino Dealer Connect System (DCS). For special orders or for customer support contact Vendor directly via phone number.
Stock Orders	Enter orders in DCS Screen DC202 under Sales Type “S”. All direct ship items will be shipped from a local Vendor PDC.
Emergency Orders	Emergency orders may be entered into DCS screen DC202 as a Sales Type “E” or "V". All emergency orders will be processed with a “rush” order. Freight and Handling fees will be identified on the Hino invoice.
Minimum Order Quantity	There is no minimum order requirement on emergency or stock orders. For orders under $500 there will be a $25 fee added to the order for order processing.
Freight Policy:	Shipments within the Continental United States are Free Freight for all orders over $6,500. Orders under $6,500 are shipped freight pre-paid and added to the invoice. All orders are shipped from Buffalo, NY unless otherwise specified. All orders will be shipped via the most efficient method. For orders under $500 there will be a $25 fee added to the order for order processing.
Free Freight Policy:	All stock orders will include prepaid freight if the order is over $6,500 (Ground Service).
Order Fulfillment Policy:	The standard order processing time is 3-5 business days from date of order placement.
Part Number Pricing:	Pricing will be available on-line in the Hino DCS system. In addition, the prices will be forwarded to your service bureaus within two weeks of each pricing update.
Format:	Standard Part numbers are directly carried over with a prefix of "ES-". No periods or spaces are in the part numbers. ESPAR catalog part numbers can be found in DCS by searching the part number including the prefix. (1.) Searching tips in DC210. Click the “Search” link on the left. (2.) Always use the “Generic” search field and search using the prefix and the part number. Example: Search “ES-202820690263” it will list all matche(s). DCS comes up with “ES-2028206902630Z”.
Mega Fleet:	All-Makes parts are not included in the Hino Mega Fleet pricing file but should be sold to Mega Fleet customers and filed as Miscellaneous Items in Corcentric when submitting for reimbursement.
Warranty:	Please view Vendor warranty documents as warranty varies based on item. Contact vendor directly or visit: http://www.espar.com/html/service/warranty/warranty.html
Returns:	Contact vendor directly to obtain a Return Goods Authorization code by phone number or email address listed above. All returned items MUST have prior approval and the Return Goods Authorization (RGA) marked on the outside of the box. RGAs have an expiration date of sixty (60) days; after sixty (60) days the return will become null and void. All returns are subject to a 15% or greater restocking fee. Will not authorize any returns that are not properly packaged or in the original packaging. No credit will be issued for product that has been damaged, altered, or installed on equipment. The customer is responsible for all freight charges on the returned merchandise. Special order items or non stock items are not returnable. Parts must be current revision.
Shipping Inspection and Damaged Product:	All merchandise should be inspected upon arrival and carrier damage claims should be filed with the carrier immediately. We are not responsible for, nor are we in a position to make a claim after the freight carrier accepts the shipment from us. For excess stock returns, contact the Vendor directly. ESPAR wil choose the method of shipment if freight is prepaid. If other method is picked customer is responsible.
Conclusion:	Espar Heater Systems has the most comprehensive range of independent and compact fuel operated air and coolant heater products available in today's marketplace.

PA-2012-006
12-16-13 02.40.PM

PRODUCT CATALOGUE 2015

COMPLETE HEATING SYSTEMS FROM EBERSPAECHER

OCTOBER 2015

A WORLD OF COMFORT

Eberspächer

QUICK-REFERENCE GUIDE

Eberspaecher heaters have become one of the most popular money saving products available in the heavy-duty truck market today. Typical savings using an Airtronic D2 can be as much as $6,000 per unit per year based on current fuel prices. Below you will find the most popular selling kit numbers for our air and coolant heater models. For a detailed listing of our complete product line including heater kits, accessories and controllers for heavy truck, light truck, school bus, industrial and oilfield markets please see the following pages.
All the heater products mentioned on the Quick-Reference pages are EPA Verified and CARB compliant for worry-free operation anywhere in the United States.

AIRTRONIC D2

DIESEL AIR HEATER / TRUCK BUNK HEATER

The Airtronic D2 puts out 7,500 BTU of clean comfortable heat and is ideal for bunk heating in all makes of heavy-duty trucks. It has a higer heat output than competitive models and is equipped with a standard fan-mode for nights when air circulation is preferred instead of heating.

The most popular Airtronic D2 kit is listed below. It comes with everything needed for installation including: Heater, Digi-Max Controller, fuel system, mounting hardware kit and all ducting.

Airtronic D2 – Truck Kit with Digi-Max Controller 20 2820 69 0263

The Digi-Max Controller is the latest generation of heater controls and is an Eberspaecher exclusive. It provides an easy to set digital display, an onboard ambient air temperature sensor, an adjustable auto shut-off, adjustable low voltage protection, records maintenance hours and displays trouble shooting tips for fault codes displayed.

HYDRONIC D5

DIESEL COOLANT HEATERT / ENGINE PRE-HEATER

The Hydronic D5 generates 17,500 BTU of heat for quickly pre-heating your trucks engine on those cold winter mornings. It is typically timer operated and can be programmed to begin work up to an hour before you are ready to start work, pre-heating the entire cooling system and providing an easier start along with instant cab heat and window defrosting. Manual start and stop is also available.

The most popular Hydronic D5 kits are listed below. One comes in a rugged-duty box for protection and long-life in external mountings.
The kits come with: Heater, 7-day timer, fuel system and necessary components for a typical truck installation.

Hydronic D5 – Boxed Unit w/ 7 Day Timer 25 2822 19 0541
Hydronic D5 – Unboxed w/ 7 Day Timer 25 2822 19 0521

Use of an engine pre-heater reduces cold start wear on internal components, reduces stress on the starting/cranking system, and can help extend DOC/DPF regen and replacement cycles by reducing cold-start white smoke.

COMBO KITS

DIESEL AIR AND COOLANT HEATER PACKAGES

In some markets the weather is cold enough that drivers may prefer to run the Airtronic D2 for cab heat and the Hydronic D5 for engine pre-heating. In this case the driver will typically use the D2 for a comfortable night's sleep and turn the engine pre-heater on about an hour before getting up – ensuring a reliable engine start and quicker start of operation. Combo Kits are specially priced and include both the D2 with Digi-Max Controller and D5 with 7-Day timer along with the mounting components mentioned above.
The most popular numbers for combo kits with Hydronic D5 w/7-Day Timer & Airtronic D2 w/Digi-Max Controller are:

Airtronic D2 with Digi-Max Controller and Hydronic D5 with EasyStart timer 20 2812 15 20 56

Airtronic D2 with Digi-Max controller and Boxed Hydronic D5 with EasyStart timer 20 2812 15 20 60

HEATER INSTALLATION TIPS

For a time saving video showing a typical Class 8 truck installation for each of these products please visit the Eberspaecher website at **www.eberspaecher-na.com** and see the links along the right side of the main Downloads page.See your local dealer for special pricing on quantity purchases of money-saving Eberspaecher heaters.

QUICK-REFERENCE GUIDE

INTRODUCTION PAGE

On the following pages you will find the entire offering of Eberspaecher heaters, heater kits, control options and accessories. Below are some tips on how to best choose the products you are looking for.

PAGE LAYOUT – The Product Catalog is a complete listing of the products we sell.
In the heater section, you can trace the heater you are considering straight across to the dots in the columns on the right side of the page. These columns have a header row showing the items offered - with the dots indicating which of them actually come in the kit being selected.
In the accessory section, you trace the accessory across to the dots on the far right to see what heaters that component is used with.

HEATER CHOICES – Our heaters come in both 12 and 24 Volt offerings and in Gasoline (B prefix) and Diesel (D prefix) models. When selecting a heater model, be sure to begin with the right voltage and fuel type for your application. The "Basic" heaters shown are just that, a bare heater, and are usually used as replacements. If a heater price seems too low, compared to other models, be sure it's not a basic kit.

- RECOMMENDED – There are a variety of kits and components in the catalog that may look similar. When more than one item is listed, look for the RECOMMENDED label. This indicates that item is one of the more commonly sold products of those that are listed. However, we want to make sure you get the right pieces for the job so if you are in doubt please don't hesitate to call your local regional sales manager or our tech service department (800-387-4800) for assistance.
- EMISSIONS – Eberspaecher offers more EPA Verified / CARB Compliant heater choices than any other manufacturer. Look for the EPA label when selecting a heater for specific applications.
- AIRTRONIC HEATER KITS – Unless specified otherwise these kits are usually sold as complete with installation components. The variables are usually limited to multiple controller and fuel pickup choices. These are all noted in the kit description and in the columns on the right side of the page.
- HYDRONIC HEATER KITS – Unless otherwise note these units are typically sold ala-carte – with the heater kit, timer/controller and even installation kits purchased separately to provide maximum installation flexibility. Always check the description and the kit component listing in the columns on the right side of the page.
- CONTROLLERS – Eberspaecher offers a variety of controllers for almost every heater model and application combination. The most popular air heater controller is the Digi-Max Controller with the 7-Day (truck) and Programmable (school bus) timers the most popular for coolant heaters. School bus and/or industrial applications using coolant heaters may also choose to include the Multi-Function Switch.

QUICK-REFERENCE GUIDE

FUEL PICK-UP / FMP OPTIONS:

Eberspaecher makes a number of fuel pickup and fuel pump mounting options to help streamline installations. Below you will find a summary of some of those choices.

- UNIVERSAL PICKUP – Unless designated otherwise, Eberspaecher heater kits that show to have a fuel pickup tube come with our "Universal Pickup." This offers the flexibility of a typical cut-the-tank installation or the ability to remove the center NPT fitting for installation in a NPT port on the fuel tank (if available).

- NO PICKUP - Kits marked "No Pickup" do not have a fuel pickup tube. A variety of pickup tubes, including those for specialty use or to be used with NPT compression fittings, are located in the fuel section. Choosing the right fuel pickup can save time and provide a custom installation.

- VENT PICKUP – Kits marked "Vent Pickup" come with a fuel pickup tube made for installation using the trucks fuel system vent port.

- EXTERNAL / INTERNAL FMP – The Eberspaecher FMP's, or fuel metering pumps, can pull fuel 6' and push it approximately 20', thus the FMP needs to be located within 6' of the primary fuel source. Coolant heater kits with an External FMP typically are used when the heater is located more than 6' from the fuel source.

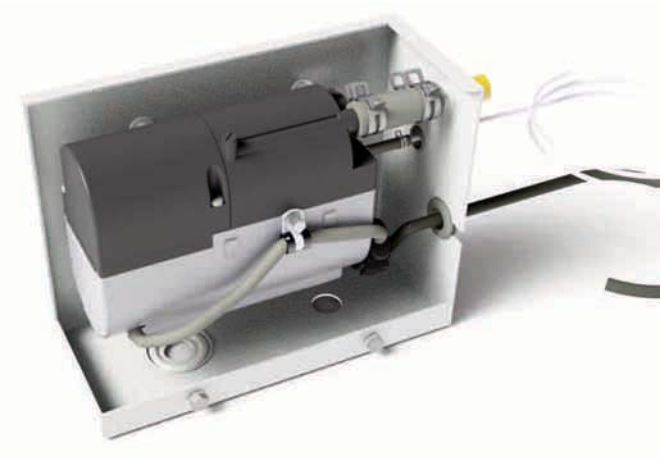
BOXED:

Kits marked "Boxed" means the heater comes installed in a rugged metal enclosure for protection and long-life. The box is usually frame rail mounted but can also be used in a variety of industrial or heavy equipment applications. Eberspaecher's large coolant heater models use a heavy-duty box and carries a direct replacement footprint for many legacy heaters in the field.

SPECIALTY KITS:

Eberspaecher manufactures several specialty kits to provide the best heater life and maximum levels of reliability and safety for end-users.

- HIGH ALTITUDE – Eberspaecher provides a number of options to get the best performance from units operating at higher altitudes where the air is thin and heaters tend to run rich. These include: A full heater truck kit - OR - a fuel metering pump adjusted for full-time high altitude operation or a plug-and-play module for leaning out fuel delivery. The latter two can be used to modify a standard heater kit for HA operation. All are geared toward heaters in applications spending longer amounts of time operating above 4,900 ft.



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NOTES:

AIRTRONIC 2 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
AIRTRONIC D2 - Carb Approved												
Basic Heater 12V with fuel pump - No installation parts	25 2069 05 0000	•										•
Basic Heater 24V with fuel pump - No installation parts	25 2070 05 0000	•										•
Eberspaecher Universal Installation Kit 12V and 24V	20 2820 69 0280		•	•	•			•	•	•	•	
AIRTRONIC D2 - Carb Approved HEATER WITH INSTALLATION KIT												
Truck Kit 12V w/ Digi-Max Controller w/ Universal pick up RECOMMENDED	20 2820 69 0263	•	•	•	•	•	•	•	•	•	•	•
Truck Kit 12V w/ Digi-Max Controller, no fuel pick-up pipe	20 2820 69 0261	•	•	•	•	•	•		•	•	•	•
Truck Kit 24V w/ Digi-Max Controller w/ Universal pick up pipe	20 2820 70 0285	•	•	•	•	•	•	•	•	•	•	•
HIGH ALTITUDE COMPENSATION KITS - FOR UNRESTRICTED HEATER USE OVER 5000 FEET												
High altitude fuel pump	24 0222 00 00 00											
High altitude compensator - Can not be used with heaters that have "H-Kit" on factory label	20 2900 70 00 07											
High altitude sensor - Only use with heaters that show “H-Kit” on their factory label	22 1000 33 22 00											
AIRTRONIC TRAINING KIT												
Airtronic D2 - with carrying case	20 2820 69 02 83											

Hardware Kit INCLUDES:

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

Fuel System INCLUDES:

Clamps
5mm Fuel Line
Plastic 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 2/4 DIESEL AIR - 7,500 BTU / 13,600 BTU

SCOPE OF DELIVERY

		Heater	Harness	Fuel System	Ducting	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Manuals
AIRTRONIC D2/D4 - Carb Approved												
BASIC KITS:												
D2 12V Heater basic assembly	20 2820 69 02 70	•	•	•	+	•	+	+	•	•	•	•
D4 12V Heater basic assembly	20 2821 13 04 40	•	•	•	+	•	+	+	•	•	•	•
D2 24V Heater basic assembly	20 2820 70 02 29	•	•	•	+	•	+	+	•	•	•	•
D4 24V Heater basic assembly	20 2821 14 04 29	•	•	•	+	•	+	+	•	•	•	•

+ = Choose one of the options from below

CONTROL OPTIONS	
DIGI-MAX Controller	20 2800 70 15 00
7 Day Timer Kit	20 2900 70 02 35
12V Push/Pull Switch	5670007
Programmable Timer w/LVD	25 2800 70 10 10
Programmable Timer w/LVD Dual Input	25 2800 70 20 20
Programmable Timer w/LVD Dual Outputs - Detached	25 2800 70 30 30
Push Button with 24" Leads	25 2800 70 30 35
FUEL PICKUP PIPE OPTIONS	
Fuel Pick-up Pipe 2 mm with 1/2" npt	20 2900 20 20 10
Fuel Pick-up Pipe 2 mm 26 in	20 2900 20 20 42
Automotive Pick-up Pipe	22 1000 20 11 00
Fuel Pick-up Pipe 2 mm w/ftng 23.5 in	20 2900 20 20 04
Double Pick-up 2mm id	20 2900 20 20 57
Dual Vent Fuel Pick-up Pipe 2 mm	20 2900 20 20 07
D2 Ducting Options	
Straight Air Outlet Hood 60mm	22 1000 01 00 16
90° Air Outlet Hood 60mm	22 1000 01 00 20
D4 Ducting Options	
Straight Air Outlet Hood 90mm	22 1000 01 00 19
90° Air Outlet Hood 90mm	22 1000 01 00 23

AIRTRONIC 2 Diesel DIESEL AIR - 7,500 BTU Spare parts 25 2069 05 00 00

The parts shown are for the most common 12V model heater of this type - model #-, top right corner

DESCRIPTION	PART NUMBER
Blower Unit	25 2069 99 2000
Control Unit	22 5101 00 3001
Glow Pin	25 2069 01 1300
Atomizer Screen	25 2069 10 0102
Combo-Sensor (Flame / Overheat)	25 2069 01 0200
Fuel Metering Pump	22 4519 01 0000
Flexible Exhaust Tube 24mm	360 61 557
Fuse 20A Blade Type	5670055
Fuse 5A	204 00 079
Digi-Max Controller	20 2800 70 1500
Thermostat	5670097
Integrated Fuel Filter	20 1312 00 00 06

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 GASOLINE												
Gasoline Basic Heater 12V with fuel pump	20 1812 05 00 00	•										•
AIRTRONIC D4 DIESEL - Carb Approved												
Basic Heater 12V with fuel pump - No installation parts	25 2113 05 00 00	•										•
Basic Heater 24V with fuel pump - No installation parts	25 2114 05 00 00	•										•
Universal Install Kits												
Eberspaecher Universal Installation Kit 12V and 24V RECOMMENDED	20 2821 13 04 80		•	•	•			•	•	•	•	•
AIRTRONIC D4 TRUCK KITS - Carb Approved HEATER WITH INSTALLATION KIT												
Truck Kit 12V with Digi-Max Controller RECOMMENDED	20 2821 13 04 23	•	•	•	•	•	•	•	•	•	•	•
Truck Kit 24V w/Digi-Max Controller	20 2821 14 04 85	•	•	•	•	•	•	•	•	•	•	•
AIRTRONIC B4 GASOLINE TRUCK KIT												
12v with Digi-Max Controller	20 2818 12 04 85	•	•	•	•	•	•	•	•	•	•	•
AIRTRONIC 4 CARGO KITS												
Cargo Kit 12V with Thermostat	20 2900 00 04 01		•	•	•	x	•	•	•	■	•	•

x = cargo bracket

■ = exhaust with plate

Hardware Kit INCLUDES:

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

Fuel System INCLUDES:

- Clamps
- 5mm Fuel Line
- Plastic 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

Spare parts

25 2113 05 00 00

The parts shown are for the most common 12V model heater of this type - model #-, top right corner

DESCRIPTION	PART NUMBER
Blower Unit	25 2113 99 2000
Control Unit	22 5101 00 3005
Glow Pin	25 2069 01 1300
Atomizer Screen	25 2069 10 0102
Combo-Sensor (Flame / Overheat)	25 2069 01 0200
Fuel Metering Pump	22 4519 01 0000
Flexible Exhaust Tube, 24mm	360 61 550
Fuse 20A Blade Type	5670055
Fuse 5A	204 00 079
Digi-Max Controller	20 2800 70 1500
Thermostat	5670097
Integrated Fuel Filter	20 1312 00 00 06

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
B1LC COMPACT												
Basic Heater 12 volt with Fuel Pump	20 1766 05 00 00	•										•
Universal Installation Kit 12 volt	20 2819 76 01 80		•	•	•				•	•	•	•
B1LC Compact with Rheostat Switch	20 2817 66 01 00	•	•	•	•	•	•	•	•	•	•	•
HIGH ALTITUDE COMPENSATION KITS - FOR UNRESTRICTED HEATER USE OVER 5000 FEET												
Fuel M Pump High Alt B/D1LC	22 4721 01 00 00											

Hardware Kit INCLUDES:

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

Fuel System INCLUDES:

- Clamps
- 5mm Fuel Line
- Plastic 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 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
AIRTRONIC B5 - GASOLINE												
Basic Heater 12V with fuel pump with outlet hood	20 1859 05 00 00	•										•
AIRTRONIC D5 - Carb Approved - DIESEL												
Basic Heater 12V with fuel pump with outlet hood	25 2361 05 00 00	•										•
Basic Heater 24V with fuel pump with outlet hood	25 2362 05 00 00	•										•
UNIVERSAL INSTALL KITS												
JE Universal Installation Kit 12V and 24V	25 2361 80 00 00		•	•	•				•	•	•	
Eberspaecher Universal Installation Kit 12V and 24V	20 2823 61 05 80		•	•	•			•	•	•	•	
AIRTRONIC D5 TRUCK KITS - Carb Approved - DIESEL RECOMMENDED												
Truck Kit 12V (no control)	20 2823 61 05 10	•	•	•		•		•	•	•	•	•
Truck Kit 12V w/Thermostat	20 2823 61 05 11	•	•	•			•	•	•	•	•	•
CARGO KITS												
Cargo Kit 12V w/Thermostat Does Not Include Heater	20 2900 00 05 50		•	•		□	•	•	•	■	•	•
Echo 5 Cargo Kit (See page 13)	20 2823 61 05 18	•	•	•	•	•	•	•	•	•	•	•
HIGH ALTITUDE COMPENSATION KITS - FOR UNRESTRICTED HEATER USE OVER 5000 FEET												
Fuel M Pump 24V for 25 2362 05	22 4522 03 00 00											

□ = cargo bracket
■ = exhaust with plate

Hardware Kit INCLUDES:

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

Fuel System INCLUDES:

- Clamps
- 5mm Fuel Line
- Plastic 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

NOTE: No installation kits available for this heater.

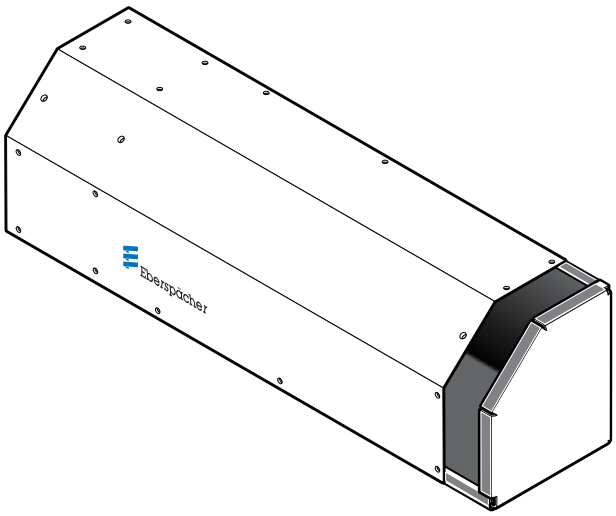
DESCRIPTION			PART NUMBER
D8LC			
Basic Heater 12 volt			25 1890 00 00 00
	INCLUDES:	Control Unit	
		Fuel Pump	
		Rheostat Switch	
		External Temperature Sensor	
		Combustion Air Tube	
		Shock Mounts	
		Mounting Bracket (large)	
		Mounting Bracket (small)	
Basic Heater 24 volt			25 1891 00 00 00
	INCLUDES:	Control Unit	
		Fuel Pump	
		Rheostat Switch	
		External Temperature Sensor	
		Combustion Air Tube	
		Shock Mounts	
		Mounting Bracket (large)	
		Mounting Bracket (small)	
Accessories			
Harness			
	External Harness 20 feet		20 2900 70 08 02
	External Harness 35 feet		20 2900 70 08 03
Fuel			
	Fuel line 5.0mm black rubber, suction side		360 75 350
	Fuel line 2.0mm white plastic, pressure side		890 31 055
	Fuel line connector piece 3.5mm for 2mm fuel line		360 75 300
	Fuel pick-up pipe 4mm		20 2900 20 20 50
	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
	Exhaust clamp		152 09 004
	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
	Thermostat 24 volt		5670096
	External Temperature Sensor, extension harness		25 1482 89 40 00
Cargo Kit			
	Echo 8 Cargo kit (see page 13)		20 2818 90 0828

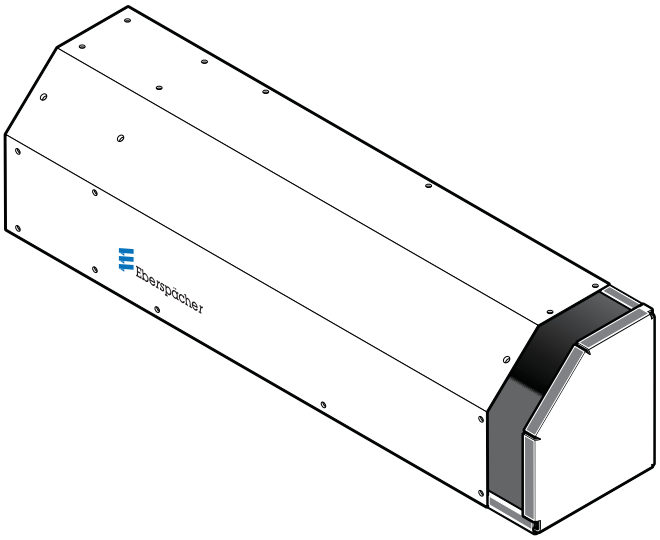
Refer to the Accessories Section for ducting components and additional accessories.

ECHO CARGO KIT

SCOPE OF DELIVERY

DESCRIPTION	PART NUMBER
ECHO 5 (AIRTRONIC D5 HEATER Nose Mount)	**20 2823 61 05 18**
INCLUDES: Mounting Box	
Mounting Bracket	
Exhaust shield	
Fuel metering pump and Mounting box	
DIGI MAX Controller with remote temp sensor	
Heater	
Harness	
Fuel lines	
Air Ducting	
Fuel Pickup pipe	
Lid ECHO 5 Box White	**20 2900 40 05 02**
ECHO 8 (D8LC Nose Mount)	**20 2818 90 08 28**
INCLUDES: Mounting Box	
Mounting Bracket	
Exhaust shield	
Fuel metering pump and Mounting box	
DIGI MAX Controller with remote temp sensor	
Heater	
Harness	
Fuel lines	
Air Ducting	
Fuel Pickup pipe	
ECHO 8 Mounting Box Base	**20 2900 40 80 01**
ECHO 8 Mounting Box Lid	**20 2900 40 80 02**
Shield SS	**20 2900 40 80 03**
Mounting Bracket	**20 2900 40 80 04**
Power Receptable Box Assy ECHO 8	**20 2900 40 80 05**





AIRTRONIC NG2 CNG HEATER - 7,500 BTU

SCOPE OF DELIVERY

DESCRIPTION	PART NUMBER
AIRTRONIC NG2	
Basic Heater 12V (Operating pressure: 50 mbar or 0.725 PSI)	20 2824 05 12 01
Airtronic NG2 Installation Kit	20 2800 90 10 00
INCLUDE:	
Thermostat	20 2800 70 20 00
Harness	
High pressure regulator	
Low pressure regulator	
CNG 8mm steel pipe	
Stainless steel tubing ¼”	
Air ducting	
Exhaust pipe	

HYDRONIC D5 SC DIESEL COOLANT HEATER - 17,100 BTU

SCOPE OF DELIVERY

If installation is more than 6 feet from the fuel tank, kits with external fuel pumps are 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 2800 90 05 10		•	•	•	•			•	•	•		
Universal Installation Kit 12 volt w/Relay	25 2800 90 05 12		•	•	•	•			•	•	•		
Basic Heater 12 volt with External Fuel Pump	25 2325 05 00 00	•											•
Universal Installation Kit 12 volt	25 2800 90 05 11		•	•	•	•			•	•	•		
Basic Heater 24 volt	25 2147 05 00 00	•											•
Universal Installation Kit 24 volt	25 2009 80 00 00		•	•	•	•			•	•	•		
HYDRONIC D5SC (INTERNAL FMP) TRUCK KITS - DIESEL													
12 volt Kit	25 2822 19 05 20	•	•	•		•		•	•	•	•		•
12 volt Kit with 7 day timer RECOMMENDED	25 2822 19 05 21	•	•	•		•	•	•	•	•	•		•
12 volt Boxed Kit	25 2822 19 05 40	•	•	•		•		•	•	•	•	•	•
HYDRONIC D5SC (EXTERNAL FMP) TRUCK KITS - DIESEL													
12 volt Kit	25 2823 25 05 20	•	•	•		•		•	•	•	•		•
12 volt Kit with 7 day timer RECOMMENDED	25 2823 25 05 21	•	•	•		•	•	•	•	•	•		•
12 V Kit with FMP Pre-heater	25 2823 25 05 24	•	•	•		•		•	•	•	•		•
12 volt Boxed Kit RECOMMENDED	25 2823 25 05 40	•	•	•		•		•	•	•			•
12 volt boxed Kit with FMP Preheater	25 2823 25 05 42	•	•	•		•		•	•	•		•	•
HYDRONIC D5 SC OFF-HIGHWAY KITS - DIESEL													
24 volt with External Fuel Pump	25 2821 47 05 20	•	•	•		•		•	•	•	•		•
Boxed 24 volt with External Fuel Pump	25 2821 47 05 55	•	•	•		•		•	•	•	•	•	•
HYDRONIC B5 SC - GASOLINE													
Basic Heater 12 volt with external fuel pump	20 1820 05 00 00	•											•
Universal Installation Kit 12 volt	25 2800 90 05 11		•	•	•			•	•	•	•		
HYDRONIC B5SC TRUCK KIT - GASOLINE													
12 volt with External Fuel Pump	20 2818 20 05 20	•	•	•		•		•	•	•	•		•
HYDRONIC B5 SC AUTOMOTIVE PICK-UP KIT - GASOLINE													
12 volt with External Fuel Pump	20 2818 20 05 22	•	*	•	•	•	•	•	•	•	•		•
HYDRONIC 4/5 SC COOLANT PUMP SERVICE KIT	25 2800 60 00 05												

• = includes blower relay connection

* = harness has blower relay

1
2
3

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

HYDRONIC D5 SC DIESEL COOLANT HEATER - 17,100 BTU

SCOPE OF DELIVERY

If installation is more than 6 feet from the fuel tank, kits with external fuel pumps are 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 BASIC KITS:													
Heater Basic Assembly - 12 V	25 2822 19 05 29	•	•	•		•	+	+	•	•	•		•
HYDRONIC D5SC (EXTERNAL FMP) TRUCK KITS - DIESEL													
Heater Basic Assembly - 12 V	25 2823 25 05 29	•	•	•		•	+	+	•	•	•		•
HYDRONIC D5 SC OFF-HIGHWAY KITS - DIESEL													
Heater Basic Assembly FMP Out - 24 V	25 2821 47 05 29	•	•	•		•	+	+	•	•	•		•
HYDRONIC D5E H-II													
D5E H-II HYDRONIC Heater Basic Assembly - 12 V	25 2825 26 05 29	•	•	•	•	•	+	+	•	•	•		•
HYDRONIC D5E H-II													
D5E H-II Boxed Basic Assembly - 12 V	25 2825 26 05 49	•	•	•	•	•	+	+	•	•	•	•	•

+ = Choose one of the options from below

CONTROL OPTIONS	
Timer 7 Day w/Diagnostic	22 1000 30 36 00
Timer 7 Day Air + Brkt + Bezel	20 2900 70 02 30
EasyStart Timer	22 1000 34 15 00
Multi-Max F-1000 Controller	20 2800 70 16 00
Programmable timer with LVD	25 2800 70 10 10
Programmable timer with LVD Dual Input	25 2800 70 20 20
Programmable timer with LVD Dual Output Switch	25 2800 70 30 30
Push Button with 24" Leads	25 2800 70 30 35

FUEL PICK-UP PIPE OPTIONS	
Fuel Pick-up Pipe 2 mm WITH 1/2" NPT	20 2900 20 20 10
Fuel Pick-up Pipe 2 mm 26IN	20 2900 20 20 42
Automotive Pick-Up Pipe	22 1000 20 11 00
Fuel Pick-up Pipe 2 mm w/Ftng 23.5 in	20 2900 20 20 04
Double Pick-up 2 mm ID	20 2900 20 20 57
Dual Vent Fuel Pick-Up Pipe 2 mm	20 2900 20 20 07

HYDRONIC 5 SC DIESEL COOLANT HEATER - 17,100 BTU — Spare parts — 25 2219 05 00 00

HYDRONIC 5 SC DIESEL COOLANT HEATER - 17,100 BTU W/EXTERNAL FUEL PUMP — 25 2325 05 00 00

The parts shown are for the most common 12V model heater of this type - model #-, top right corner

DESCRIPTION	PART NUMBER
Combustion Air Blower	20 1819 99 16 00
Electronic Control Unit (HYDRONIC 4)	22 5201 04 00 06
Electronic Control Unit (HYDRONIC 5)	22 5201 04 00 11
Coolant Pump	25 2219 25 00 00
Glow Pin with Cable	25 2106 01 10 00
Fuel Metering Pump internal	22 4504 03 00 00
Fuel Metering Pump external	22 4517 04 00 00
Flame Sensor	25 1920 37 00 00
Overheat Sensor with Cable	25 2219 01 23 00
Fuse 25A Blade Type	204 00 089
Flexible Exhaust Tube, 24mm	360 61 550
Timer, 7-Day	22 1000 30 36 00
Programmable Timer, 12 Volt	5670433
Integrated Fuel Filter	20 1312 00 00 06
H1 FMP Pre-Heater (for heater with external FMP only)	25 2800 70 00 19

Spare parts shown are common for Hydronic 4 + 5 heaters.
Hydronic 5 Heaters used in ParkSmart + Max Power Systems may have a different control unit.
Please refer to serial # on heater.

PICK-UP TRUCK KITS

HYDRONIC D5 DIESEL COOLANT HEATER - 17,100 BTU

SCOPE OF DELIVERY

If installation is more than 6 feet from the fuel tank, kits with external fuel pumps are 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
PICK-UP TRUCK KITS (AFTER MARKET)													
DODGE KITS													
2003 - 2007 5.9 L with mini timer	25 2822 19 05 32	•	*	•		•	•	•	•	•	•		•
GM DURAMAX KITS													
Frame dimensions not larger than 225mm high, 77mm wide Mini Timer and external FMP Right side mount	25 2823 25 05 75	•	•	•		•	•	•	•	•	•		•
UNIVERSAL PICK UP TRUCK INSTALLATION KIT													
D5E Diesel Pick Up Truck kit	25 2825 26 05 22	•	•	•		•		•	•	•	•		•
B5E Gasoline Pick Up Truck kit	25 2819 04 05 00	•	•	•	•	•		•	•	•	•		•
RELATED PARTS													
Blower Control Module 12/24V	25 2800 70 40 40												
EasyStart T Controller	22 1000 32 88 00												

* = harness has blower relay

Hardware Kit INCLUDES:

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

Fuel System INCLUDES:

Clamps
5mm Fuel Line
Plastic Fuel Line
3.5mm Fuel Line

For spare parts refer to Hydronic D5 listing on page 17

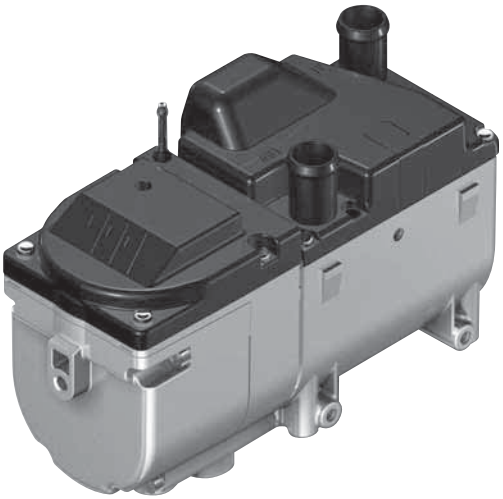
Refer to the Accessories Section for ducting components and additional accessories.

HYDRONIC II B/D5 E COOLANT HEATER - 17,100 BTU
HYDRONIC II Comfort COOLANT HEATER - 17,100 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 II D5 E - DIESEL													
Basic Heater 12 V	25 2526 05 00 00	•											•
HYDRONIC II D5E TRUCK KIT - DIESEL													
12 V with External Water and Fuel Pump	25 2825 26 05 20	•	•	•		•		•	•	•	•		•
12 V Automotive installation kit	25 2825 26 05 22	•	•	•	•	•		•	•	•	•		•
Boxed 12 V with External Water and Fuel Pump	25 2825 26 05 40	•	•	•		•		•	•	•	•	•	•
HYDRONIC II B5E - GASOLINE													
Basic Heater 12 V	20 1904 05 00 00	•											•
12 V Automotive Kit	25 2819 04 05 00	•	•	•	•	•		•	•	•	•		•
JE Universal installation kit 12 V	25 2526 80 00 00		•	•	•	•		•	•	•	•		
HYDRONIC II COMFORT													
Basic Heater 12 V Diesel	25 2598 05 00 00	•											•
Basic Heater 12 V Gasoline	20 1928 05 00 00	•											•
JE Universal installation kit	25 2598 80 00 00		•	•		•			•	•	•		

HYDRONIC B/D 5E



HYDRONIC II Comfort

HYDRONIC B5 S GASOLINE COOLANT HEATER - 17,100 BTU
HYDRONIC D5 S DIESEL COOLANT HEATER - 17,100 BTU

SCOPE OF DELIVERY

If installation is more than 6 feet from the fuel tank, kits with external fuel pumps are 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	•											•
Basic Heater 12 volt w/Universal install kit	25 2386 05 00 00	•	⊸	•	•	•			•	•	•		•
Basic Heater 24 volt	25 2218 05 00 00	•											•
Universal Installation Kit 24 volt (Limited Stock)	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	•	•	•		•		•	•	•	•		•
12 volt with External Water and Fuel Pump with timer	25 2822 17 05 21	•	•	•		•	•	•	•	•	•		•
Boxed 12 volt with water pump and fuel pump mounted inside box	25 2822 17 05 45	•	•	•		•		•	•	•	•	•	•
HYDRONIC D5S OFF-HIGHWAY KIT - DIESEL													
24 volt with External Water and Fuel Pump	25 2822 18 05 20	•	•	•		•		•	•	•	•		•
HYDRONIC B5 S - GASOLINE													
Basic Heater 12 volt with external water and fuel pump	20 1819 05 00 00	•											•

⊸ = includes blower relay connection

AIRTRONIC 2 / *HYDRONIC* 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* 5 SC - DIESEL**															
Truck Kit	INCLUDES:	EasyStart Timer Digi-Max Controller	20 2812 15 20 56	•	•	•		•	•	d	•	•	•		•
Truck Kit with External Fuel Pump	INCLUDES:	EasyStart Timer Digi-Max Controller	20 2812 15 20 58	•	•	•		•	•	d	•	•	•		•
***AIRTRONIC* 2 / *HYDRONIC* 5 S - DIESEL**															
Truck Kit	INCLUDES:	EasyStart Timer Digi-Max Controller	20 2812 15 20 63	•	•	•		•	•	d	•	•	•		•
Boxed Truck Kit	INCLUDES:	EasyStart Timer Digi-Max Controller	20 2812 15 20 60	•	•	•		•	•	d	•	•	•	•	•
***AIRTRONIC* 2 / *HYDRONIC* 5 E - DIESEL**															
Truck Kit		No Timer Digi-Max Controller	20 2812 15 20 61	•	•	•		•	•	d	•	•	•		•
Boxed Truck Kit		No Timer Digi-Max Controller	20 2812 15 20 62	•	•	•		•	•	d	•	•	•	•	•

d = double fuel Pick-up 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* 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 5 - Carb Approved															
Truck Kit	INCLUDES:	EasyStart Timer Digi-Max Controller	20 2812 15 40 50	•	•	•		•	•	d	•	•	•		•
Boxed Truck Kit	INCLUDES:	EasyStart Timer Digi-Max Controller	20 2812 15 40 51	•	•	•		•	•	d	•	•	•	•	•

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		•	•		•			•	•	•		
Basic Heater 24 volt with Blinkcode	25 2227 05 00 00	•											•
Universal Installation Kit 12 and 24 volt	25 2822 27 10 80		•	•		•			•	•	•		
HYDRONIC 10 / M - BOXED KITS													
Boxed 12 volt with Internal Fuel Pump (max. 6ft. of fuel line)	25 2821 60 10 55	•	•	•		•		•	•	•		•	•
Boxed 12 volt with External Fuel Pump	25 2821 60 10 56	•	•	•		•		•	•	•		•	•
Boxed 24 volt	25 2822 27 10 55	•	•	•		•		•	•	•		•	•
Boxed 24 volt with External Fuel Pump	25 2822 27 10 56	•	•	•		•		•	•	•		•	•

HYDRONIC M DIESEL COOLANT HEATER - 32,400 BTU - 24V

Spare parts

25 2227 05 00 00

DESCRIPTION	PART NUMBER
Combustion Air Blower	25 2161 99 15 00
Flame Sensor	25 1816 01 03 00
Overheat Sensor	25 1997 99 41 00
Temperature Sensor	25 1816 99 01 14
Sensor O-Ring	22 1000 70 00 09
Control Unit	22 5302 00 10 04
Fuse 20A Blade Type	5670055
Coolant Pump	25 1816 25 01 00
Coolant Pump O-Ring	22 1000 70 00 03
Fuel Metering Pump	25 1963 46 00 00
Flexible Exhaust Tube, 30mm	360 61 580
Fuel Hose, 3.5mm	360 75 300
Fuel Hose, 5 x 3mm Black Rubber	360 75 350
Fuel Line, 2.0mm Clear Plastic	890 31 055
Fuel Line, 3.5mm Black Plastic	890 31 101
Clamp 9mm	10 2068 00 90 98
Clamp 11mm	10 2068 01 10 98
Cable Tie, 197mm	5590003
Timer, 7-Day	22 1000 30 36 00
Programmable Timer, 12 Volt	5670433
Integrated Fuel Filter	20 1312 00 00 06

Hardware Kit INCLUDES:

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

Fuel System INCLUDES:

- Clamps
- 5mm Fuel Line
- Plastic 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 M-II SERIES: 27,300, 32,450, 42,000 BTU - CARB APPROVED

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													
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 M12 12 volt Boxed Kit	25 2824 72 12 10	•	•	•		•		•	•	•	•	•	•
HYDRONIC M12 24 volt Boxed Kit	25 2824 73 12 10	•	•	•		•		•	•	•	•	•	•
HYDRONIC M12 12 volt Boxed Kit w/high Capacity Pump	25 2824 72 00 12	•	•	•		•		•	•	•	•	•	•
HYDRONIC M12 24 volt Boxed Kit w/high Capacity Pump	25 2824 73 00 24	•	•	•		•		•	•	•	•	•	•
UNIVERSAL INSTALLATION KITS													
Eberspaecher Universal Install 12V with diagnostic connection	25 2800 90 10 12		•	•		•			•	•			
Eberspaecher Universal Install 24V with diagnostic connection	25 2800 90 10 24		•	•		•			•	•			

* = Harness has blower motor relay

***HYDRONIC* M8 12V** DIESEL COOLANT HEATER - 27,300 BTU	25 2470 05 00 00
***HYDRONIC* M8 24V** DIESEL COOLANT HEATER - 27,300 BTU	25 2471 05 00 00
***HYDRONIC* M10 12V** DIESEL COOLANT HEATER - 32,450 BTU	25 2434 05 00 00
***HYDRONIC* M10 24V** DIESEL COOLANT HEATER - 32,450 BTU	25 2435 05 00 00
***HYDRONIC* M12 12V** DIESEL COOLANT HEATER - 42,000 BTU	25 2472 05 00 00
***HYDRONIC* M12 24V** DIESEL COOLANT HEATER - 42,000 BTU	25 2473 05 00 00

Spare parts

DESCRIPTION	PART NUMBER
ECU / Blower MII 10 - 24 V	25 2435 99 15 00
Burner	25 2435 99 11 00
Casing for Heat Exchanger	25 2435 99 01 02
Water Pump 12 Volt	25 2434 99 25 01
Water Pump 24 Volt	25 2435 99 25 01
Flame Sensor	25 1920 37 00 00
Glow Plug 12 Volt	25 2434 01 01 00
Glow Plug 24 Volt	25 2435 01 01 00
Cable Harness	25 2435 25 02 00
Temperature Sensor	25 2435 40 03 00
Plastic Cover	25 2435 99 01 03
Seal for Combustion Chamber	25 2435 01 00 10
O-Ring (19.8 mm x 2.3 mm)	22 1000 70 00 17
O-Ring (117.07 mm x 3.53 mm)	22 1000 70 00 15
Sensor Spring	25 2281 01 00 09
Atomizing Screen	25 2069 10 01 02
Hose Clip	152 61 004
Timer, 7-Day	22 1000 30 36 00
Programmable Timer 12 Volt	5670433
Fuel Pump Screen	20 1312 00 00 06
Fuel Meter Pump 12 volt	22 4617 01 00 00
Fuel Meter Pump 24 volt	22 4618 01 00 00

HYDRONIC M-II SERIES: 42,000 BTU - CARB APPROVED

SCOPE OF DELIVERY

DESCRIPTION	PART NUMBER	Heater	Harness	Fuel System	Coolant Hose	Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Boxed	Manuals
M-II													
BASIC KITS:													
HYDRONIC M12 12 volt, Basic assambly	25 2824 72 12 03	•	•	•		•	+	+	•	•	•	•	•
HYDRONIC M12 24 volt, Basic assambly	25 2824 73 12 01	•	•	•		•	+	+	•	•	•	•	•
HYDRONIC M12 12 volt Boxed Kit, Basic assambly	25 2824 72 12 04	•	•	•		•	+	+	•	•	•	•	•
HYDRONIC M12 24 volt Boxed Kit, Basic assambly	25 2824 73 12 02	•	•	•		•	+	+	•	•	•	•	•

+ = Choose one from the below options

CONTROL OPTIONS	
TIMER 7 DAY W/DIAGNOSTIC AIR	22 1000 30 36 00
TIMER 7DAY AIR + BRKT + BEZEL	20 2900 70 02 30
EASY START TIMER	22 1000 34 15 00
MULTI MAX F-1000 CONTROLLER	20 2800 70 16 00
PROGRAMMABLE TIMER WITH LVD	25 2800 70 10 10
PROGRAMMABLE TIMER WITH LVD DUAL INPUT	25 2800 70 20 20
PRO. TIMER W/LVD DUAL OUTPUT SWITCH	25 2800 70 30 30
Push Button with 24" Leads	25 2800 70 30 35

FUEL PICKUP PIPE OPTIONS	
FUEL PICK UP PIPE 4MM WITH 1/2 NPT	20 2900 20 20 50
FUEL PICK UP 4MMX23INCH W/RING	20 2900 20 20 12
PICK UP PIPE 4MMIDX16IN	5520001
FUEL PICK-UP 4MMX26 PIPE	20 2900 20 20 53
FUEL PIPE WITH VENT 4MM ID - 19.5 IN	20 2900 20 40 06

E-Guardian DIESEL / WATER

SCOPE OF DELIVERY

DESCRIPTION	BTU	PART NUMBER	Heater	Harness	Fuel System	Coolant Hose	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Boxed	Manuals
E-Guardian HYDRONIC D5 KITS - Carb Approved														
Boxed D5 E-Guardian 12V Kit	17,100 BTU	25 2823 25 0507	•	•	•		•	•	•	•	•	•	•	•
Boxed D5E H-II E-Guardian 12V Kit	17,100 BTU	25 2825 26 0500	•	•	•		•	•	•	•	•	•	•	•
Boxed D5 E-Guardian 12V New York Kit	17,100 BTU	25 2823 25 0505	•	•	•		•	•	•	•	•	•	•	•
E-Guardian HYDRONIC M-II KITS - Carb Approved														
Boxed M-II 12 KW Heater 12 V Kit	42,000 BTU	25 2824 72 12 02	•	•	•		•	•	•	•	•	•	•	•
Boxed M-II 12 KW Heater 12 V New York Kit	42,000 BTU	25 2824 72 12 06	•	•	•		•	•	•	•	•	•	•	•
Spare Parts:														
E-Guardian Coolant Pump		25 2596 25 01 00												
E-Guardian 12 Replacement Heater		25 2596 05 00 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

For spare parts refer to the Hydronic D5 listing on page 13, and the *Hydronic* M-II refer to page 21
Refer to the Accessories Section for ducting components and additional accessories.

HYDRONIC L-II SERIES: 55,000, 82,000, 102,000, 120,000 BTU

SCOPE OF DELIVERY

DESCRIPTION	PART NUMBER
HYDRONIC L 16	
Basic Heater 24V	25 2486 02 0000
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 2599 02 00 00
HYDRONIC L 30 Compact	
Water pump Flowtronic 5000 and fuel filter pre-assembled	25 2599 05 00 00
HYDRONIC L 35	
Basic Heater 24 volt	25 2600 02 00 00
HYDRONIC L 35 Compact	
Water pump Flowtronic 5000 and fuel filter pre-assembled	25 2600 05 00 00
Heater HL2-30 24V Van Hool	25 2614 01 00 00

ACCESORIES			
	HARNESS	Universal Harness	20 2900 70 05 10
		Compact Heater Harness	20 2900 70 05 11
	FUEL	Filter kit for basic kit	25 2800 20 00 05
		Nipple and Nut Connectors for compact version (1 required)	20 2900 20 20 71
		Fuel Line 5.0mm black rubber	360 75 350
		Clamps 11mm	10 2068 01 10 98
		Fuel Pick-up with Return	20 2900 20 20 59
		L-II Filter Base and Bracket	25 2488 05 01 00
	EXHAUST	Flexible Stainless Steel Exhaust Tube 70mm	5530015
		Muffler Clamp 3”	5530004
		Exhaust Elbow (70mm exhaust) D30 / D35	22 1000 40 03 00
	PUMPS	Coolant Pump 24volt (5,000 L/hr)	25 2488 26 00 00
		Flowtronic Coolant Pump 24 volt (6,000 L/hr)	25 2488 25 00 00
	CONTROLS	Push / Pull Switch 24 volt (supplied with harness)	5670008
		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, 24, 30, 35 with/without coolant pump	25 2800 90 12 24

When using Artic Fox Systems, be sure and specify heaters with high capacity pumps.

HYDRONIC M-II OFF HIGHWAY KITS *HYDRONIC* L-II OFF HIGHWAY KITS

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
M-II OFF HIGHWAY													
HYDRONIC 12 M-II Boxed Off-Highway Assembly 12V	25 2824 72 12 20	•	•	•		•	•	•	•	•	•	•	•
L-II OFF HIGHWAY													
HYDRONIC 16 L-II Boxed Off-Highway Assembly 12V	25 2800 10 1612	•	•			*			•	•		•	•
HYDRONIC 16 L-II Boxed Off-Highway Assembly 24V	25 2800 10 1600	•	•			*			•	•		•	•
HYDRONIC 24 L-II Boxed Off-Highway Assembly 12V	25 2800 10 2412	•	•			*			•	•		•	•
HYDRONIC 24 L-II Boxed Off-Highway Assembly 24V	25 2800 10 2400	•	•			*			•	•		•	•
HYDRONIC 30 L-II Boxed Off-Highway Assembly 12V w/6000 L pump	25 2800 10 3612	•	•			*			•	•		•	•
HYDRONIC 30 L-II Boxed Off-Highway Assembly 24V w/6000 L pump	25 2800 10 3600	•	•			*			•	•		•	•
HYDRONIC 35 L-II Boxed Off-Highway Assembly 12V w/6000 L pump	25 2800 10 5612	•	•			*			•	•		•	•
HYDRONIC 35 L-II Boxed Off-Highway Assembly 24V w/6000 L pump	25 2800 10 5624	•	•			*			•	•		•	•

* = Mounting holes on base. No mounting hardware included

Fuel	
Hose Fuel 5 x 3mm black rubber	360 75 350
FUEL PICK UP PIPE 4MM WITH 1/2" NPT	20 2900 20 20 50
Clamp 11mm	10 2068 01 10 98
Controls	
* See Control Options and Timers in accessories section	

- Packaged for Off-Highway and oilfield applications
- 12 and 24 volt options
- Eliminate cold starts
- Minimize diesel exhaust emissions
- Rugged, compact
- Versatile fluid pre-heating
- Standard with pre-heated nozzle

MOBILE FLEX-COOL

SCOPE OF DELIVERY

DESCRIPTION	TYPE	PART NUMBER
Mobile Flex-Cool 5F	STANDARD	81 0000 00 04 18
Mobile Flex-Cool 8F	STANDARD	81 0000 00 04 19
Mobile Flex-Cool 14F	STANDARD	81 0000 00 04 20
Mobile Flex-Cool 22F	STANDARD	81 0000 00 04 16
Mobile Flex-Cool 37C	STANDARD	81 0000 00 03 60
Mobile Flex-Cool 37F	STANDARD	81 0000 00 03 61
Mobile Flex-Cool 87C	STANDARD	81 0000 00 03 62
Mobile Flex-Cool 87F	STANDARD	81 0000 00 03 63
Mobile Flex-Cool 190C	STANDARD	“Coming soon”
Mobile Flex-Cool 190F	STANDARD	“Coming soon”
Mobile Flex-Cool 242C	STANDARD	81 0000 00 03 64
Mobile Flex-Cool 242F	STANDARD	81 0000 00 03 65
Mobile Flex-Cool 5FH	PHARMA	81 0000 00 04 23
Mobile Flex-Cool 8FH	PHARMA	81 0000 00 04 24
Mobile Flex-Cool 14FH	PHARMA	81 0000 00 04 25
Mobile Flex-Cool 22FH	PHARMA	81 0000 00 01 99
Mobile Flex-Cool 37CH	PHARMA	81 0000 00 03 93
Mobile Flex-Cool 37FH	PHARMA	81 0000 00 03 94
Mobile Flex-Cool 87CH	PHARMA	81 0000 00 03 95
Mobile Flex-Cool 87FH	PHARMA	81 0000 00 03 96
Mobile Flex-Cool 190CH	PHARMA	“Coming soon”
Mobile Flex-Cool 190FH	PHARMA	“Coming soon”
Mobile Flex-Cool 242CH	PHARMA	81 0000 00 03 97
Mobile Flex-Cool 242FH	PHARMA	81 0000 00 03 98

MOBILE FLEX-COOL ACCESSORIES & SPARE PARTS

ACCESSORIES

DESCRIPTION	FOR MODEL #	PART NUMBER
Wire shelf	37 (C&F)	81 0000 00 02 38
Wire shelf	87 (C&F)	81 0000 00 02 04
Uprights kit	242 (C&F)	81 0000 00 02 50
Wire shelf	242 (C&F)	81 0000 00 02 51
Trolley	37 (C&F)	81 0000 00 02 39
Trolley	87 (C&F)	81 0000 00 02 41
Pallet base	87 (C&F)	81 0000 00 02 43
Tie-down kit	37 (C&F) & 87 (C&F)	81 0000 00 02 53
In-Cab display	87 (C&F) & 242 (C&F)	81 0000 00 02 10
Plastic strip curtain kit	37 (C&F)	81 0000 00 03 19
Plastic strip curtain kit	87C	81 0000 00 03 20
Single Pallet Bar (one side)	242(C&F)	81 0000 00 03 35
Pallet base kit (two bars plus rivots)	242(C&F)	81 0000 00 03 36
Front Door Plastic Strip Curtain kit	242(C&F)	81 0000 00 03 37
Side door plastic strip curtain kit	242(C&F)	81 0000 00 03 38
Shelf Assembly Kit (Stand-Alone)	242(C&F)	81 0000 00 00 01
Single Shelf Kit (For 20.2800.01.0001)	242(C&F)	81 0000 00 00 02

SPARE PARTS

DESCRIPTION	FOR MODEL #	PART NUMBER
DC cord USA 6mm	37N, 87N	81 0000 00 03 21
DC cord USA 10mm	37F, 87F, 242 (C&F)	81 0000 00 03 22
50A / 6mm DC connectors kit (5x)	On fridges, 540003/01	81 0000 00 03 23
50A /10mm DC connectors kit (5x)	540009/01	81 0000 00 03 24
50A fuse for DC cord 540003/01 (10x)	37N, 87N	81 0000 00 03 25
30A fuse for DC cord 540009/01 (10x)	37F, 87F, 242 (C&F)	81 0000 00 03 26
AC cord USA	All models	81 0000 00 02 69
Rectifier 100-240Vac 50-60 Hz> 12Vdc	All models	81 0000 00 03 07
Door gasket	37 (C&F)	81 0000 00 01 67
Door gasket	87 (C&F)	81 0000 00 01 68
Front door gasket	242 (C&F)	81 0000 00 02 58
Side door gasket	242 (C&F)	81 0000 00 02 59
Latch kit (stainless steel /plastic)	All models	81 0000 00 02 63
Carel ir33 digital controller	All models	81 0000 00 01 74
Secop BD50F compressor	37C, 87C	81 0000 00 02 64
Secop DC electronic for BD50F	37N, 87N	81 0000 00 01 79
Secop BD80F compressor	37F, 87F, 242C	81 0000 00 02 65
Secop DC electronic for BD80F	37F, 87F, 242C	81 0000 00 02 66
Secop BD220CL compressor	242F	81 0000 00 03 39
Secop DC single electronic for BD220CL	242F	81 0000 00 03 27
120x120x25 24V fan	242C	81 0000 00 02 67
120x120x25 12V fan 1200 mm wire	All models	81 0000 00 02 68
Main switch		81 0000 00 01 69
Relay 12V 40A	242F	81 0000 00 03 28
Fuse holder (5x)	All models	81 0000 00 03 29
25A fuse (10x)		81 0000 00 03 30
15A fuse (10x)		81 0000 00 03 31
3A fuse (10x)		81 0000 00 03 32

ACCESSORIES PARTS GUIDE

CHAPTER	TITLE	CONTENT	PAGE
3	PARTS GUIDE		
		Timers and Controlers Table	34
		Control Options and Timers	35-37
		Testers, Adapters and Special Tools	38-39
		Fuel System	40-43
		Mounting Parts	44-46
		Bulk Wiring	47
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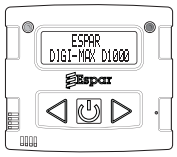
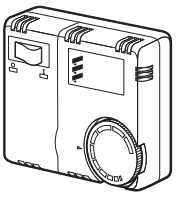
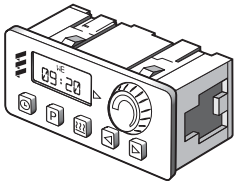
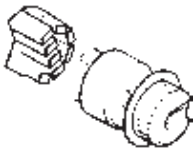
		D8LC	84-85

TIMERS AND CONTROLLERS

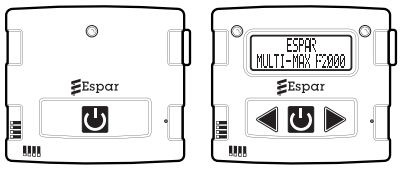
AVAILABLE FUNCTIONS	DIGI-MAX CONTROLLER	EASY START TIMER	PROGRAMABLE TIMER	7 DAY TIMER	MULTI-FUNCTION SWITCH
Programmable Timer		●	●	●	
Multiple Starts - Day / Week		●	●		
Ambient Air Temp Sensor	●			Cabin temp sensor	AVAILABLE
Diagnostic Code Retrieval	●	●		●	
Standard Fan Mode	●	●			
10-Hour Automatic Shutoff	●			2 hour max. programmed run time	
Manual Start Mode	●	●	●	●	●
Program Memory		●	●	●	
Programmable LVD	●				●
Accepts External Inputs		●		●	AVAILABLE
AIR HEATERS	●	●		●	
COOLANT HEATERS		●	●	●	●

AIR HEATERS
CONTROL OPTIONS AND TIMERS

DESCRIPTION	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LCC / B3LCC	AIRTRONIC D5 B5	D8LC	HYDRONIC 4/5	HYDRONIC II 5E	HYDRONIC 10 / M	HYDRONIC M-II 8/10/12	HYDRONIC 16/24/30/35
AIR HEATERS											
Digi-Max Controller with Diagnostic 12V & 24V	20 2800 70 1500	•	•		•						
											
Thermostat 12 volt	5670097	•	•	•	•	•					
Thermostat 24 volt	5670096	•	•	•	•	•					
Thermostat Harness (4.6M or 15 feet)	20 2900 70 01 09			•							
											
7-Day Timer with Diagnostics 12 and 24 volt	22 1000 30 40 00	•	•	•	•	•					
7-Day Timer Kit	20 2900 70 02 35	•	•	•	•	•					
											
Rheostat Switch 12 volt	25 1895 71 00 00	•	•	•	•	•					
Rheostat Switch 24 volt	25 1896 71 00 00	•	•	•	•	•					
Thermostat Switch Harness (4.6M or 15 feet)	20 2900 70 01 11	•	•	•							
											
Thermostat Bunk Relay Kit 12 volt for Heat Exchanger Blower	20 2900 70 00 97						•	•	•	•	•
Thermostat only (On/Off)	29 2100 30 01 84	•	•	•	•	•	•	•	•	•	•

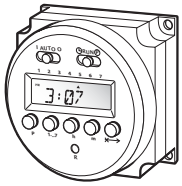
HYDRONIC HEATERS
CONTROL OPTIONS AND TIMERS

DESCRIPTION		PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LCC / B3LCC	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC II 5E	HYDRONIC 10 / M	HYDRONIC M-II 8/10/12	HYDRONIC 16/24/30/35	
COOLANT HEATERS													
Multi-Max F1000 with PC Programmability & Diagnostic	12 & 24 V	20 2800 70 16 00						•	T	•	*	•	
Multi-Max F2000 with PC Programmability, Diagnostic & Digital Display	12 & 24 V	20 2800 70 17 00						•	T	•	*	•	

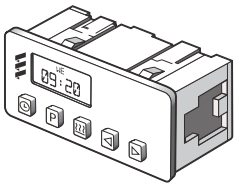


RECOMMENDED

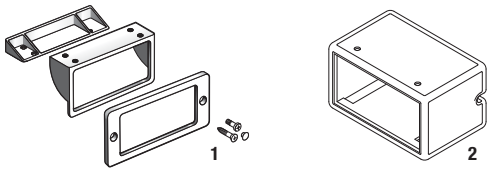
Programmable Timer (No Diagnostic)	12 V	5670433						•	•	•	•	•	
	24 V	5670434						•	•	•	•	•	



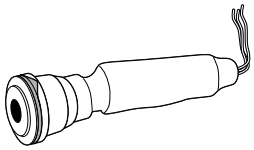
7-Day Timer with Diagnostics 12 and 24 volt		22 1000 30 36 00						•	T	•	*	•	
7-Day Timer Kit		20 2900 70 02 30						•	T	•	*	•	



7-DAY TIMER ACCESSORIES Complete Bracket Kit with Cosmetic Bezel and Bracket		25 1482 70 01 00	•	•	•	•	•	•	•	•	•	•	1
Housing for 7-Day Timer		25 1482 89 00 15	•	•	•	•	•	•	•	•	•	•	2
Replacement Bulbs 12 volt (5/bag)		22 1000 30 94 00											
Replacement Bulbs 24 volt (5/bag)		22 1000 30 89 00											



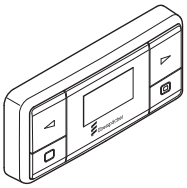
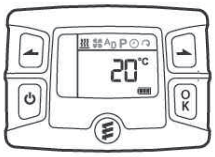
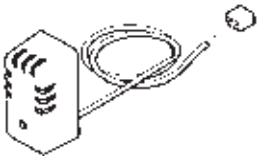
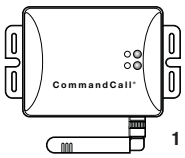
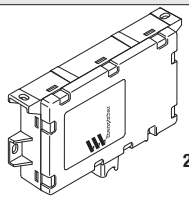
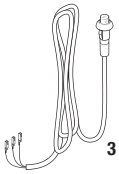
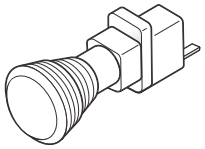
Programmable Timer with LVD		25 2800 70 10 10						•	•	•	•	•	
Programmable Timer with LVD, Dual Input		25 2800 70 20 20						•	•	•	•	•	
Programmable Timer with LVD, Dual Outputs-Detached		25 2800 70 30 30						•	•	•	•	•	
Push button with 24” leads to be used with detached timer		25 2800 70 30 35						•	•	•	•	•	



T = Can only be used as timer. Diagnostic not compatible

* = Limited Diagnostic Function

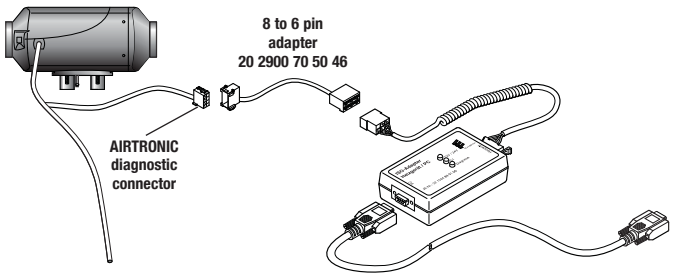
HYDRONIC HEATERS
CONTROL OPTIONS AND TIMERS

DESCRIPTION	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LCC / B3LCC	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC II 5E	HYDRONIC 10 / M	HYDRONIC M-II 8/10/12	HYDRONIC 16/24/30/35	
EasyStart Timer + Braket + Bezel	25 2800 70 00 25	•	•	•	•	•	•	•	•	•	•	
EasyStart Timer	22 1000 34 15 00	•	•	•	•	•	•	•	•	•	•	1
EasyStart T Controller	22 1000 32 88 00	•	•	L	•	L	•	•	•	•	•	2
 1  2												
Remote Temperature Sensor (To be used as air heater's external temperature sensor ONLY)	25 1774 89 03 00	•	•	•	•	•						
Controller Temperature Sensor (To be used with 7-Day Timer or EasyStart T only)	22 1000 32 97 00	•	•		•		•	•	•	•	•	
Extension Harness for D1LC (1830) and D3LC	25 1482 89 40 00			•								
Controller Temperature Sencor (To be used with Easy Start Timer and Easy Start Call)	22 1000 34 22 00	•	•		•		•	•		•		
												
CommandCall Remote Control (works over cell phone network. Needs SIM card.)	25 2800 70 00 10	•	•	•	•	•	•	•	•	•	•	1
EasyStart Call (works over cell phone network, needs SIM card.)	22 1000 34 01 00	•	•		•		*	•		•		2
EasyStart Call – single part Button	22 1000 34 04 00	•	•		•		*	•		•		3
Espar Satellite Heater Controller	20 2800 70 19 00	•	•	•	•	•	•	•	•	•	•	
Espar Cellular Heater Controller	20 2800 70 18 00	•	•	•	•	•	•	•	•	•	•	
 1  2  3												
GRIP (Governor to Reduce Idle and Pollution) Idle Management System												
Part number to be determined by Vehicle Identification Number (VIN)												
Demo Screen w/Plug-in Charger	5519061											
Please visit www.espar.com and select "Grip Idle Management System"												
Push / Pull Switch 12 volt	5670007						•	•	•	•	•	
Push / Pull Switch 24 volt	5670008						•	•	•	•	•	
Replacement Bulb 12 volt	207 00 005											
Replacement Bulb 24 volt	207 00 006											
												

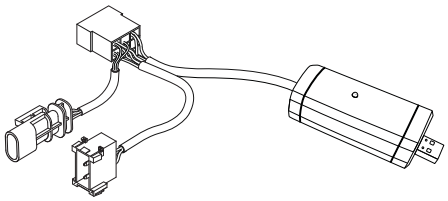
L = Limited Use
* = Works for heater with "H-kit" label

TESTERS / ADAPTERS / SPECIAL TOOLS

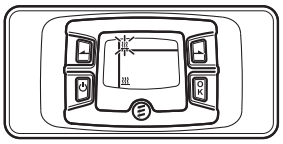
All adapters used with Diagnostic Unit and Edith	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II	HYDRONIC 5E
EDITH Basic - Adapter for computerized diagnostic (includes USB to serial adapter)	22 1541 89 00 00	•	•	•	•	•	•	•	•	•	•	•
Additional USB to Serial Adapter (For computers without serial port)	22 1543 89 00 00	•	•	•	•	•	•	•	•	•	•	•



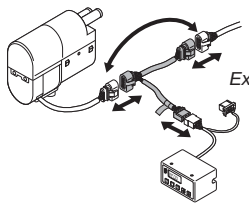
Eberspaecher Universal Diagnostic Tool (EUDT)	20 2800 70 1200	•	•	•	•	•	•	•	•	•	#	•



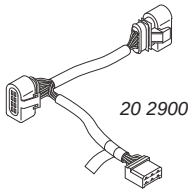
Diagnostic Fault Code Retriever	20 2900 70 50 60	•	•	•	•	•	•	•	•	•	•	•



Tester Adapter	20 2900 70 50 31						•					
Tester Adapter (Works with S/SC Heaters)	20 2900 70 50 28							•				
Tester Adapter (Round)	20 2900 70 50 30								•			
Tester Adapter (Used with Old Diagnostic unit)	20 2900 70 50 36									•		
Tester Adapter (Square)	20 2900 70 50 44								•			
Tester Adapter 8pin to 6pin	20 2900 70 50 46	•	•								°	
Tester Adapter 8pin to 6pin	20 2900 70 50 57	•	•									•
Tester Adapter	22 1000 31 86 00	•	•			•						
Tester Adapter (Works with S/SC and Z Heaters)	22 1000 31 63 00							•				
Tester Adapter	22 1000 31 66 00									•		
Tester Adapter	22 1000 30 69 00			•	•							
Tester Adapter	25 2800 70 10 04										•	
Tester Adapter (Park Smart - Heater: [25 2509] with Round 4-Pin Connector)	25 2786 70 00 01							•				
Tester Adapter Hydronic 5E	22 1000 33 78 00											•
* Cable harness with diagnostic connector - EasyStart Call	22 1000 34 11 00	•	•		•		•	*		•	•	
EG-II Diagnostic Adaptor Harness	25 2800 70 00 24											



Example of hook-up



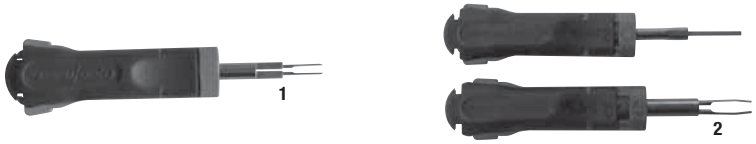
20 2900 70 50 28

Note: The latest version of software (EDITH) must be downloaded from: https://espar.eberspaecher.com/help

#= For frequently diagnostic, use EDITH Basic

* = Not tested

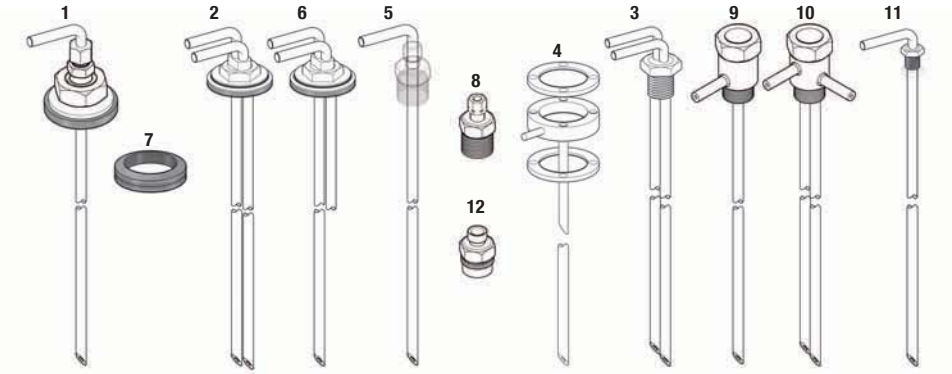
TESTERS / ADAPTERS / SPECIAL TOOLS

DESCRIPTION	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	
Terminal Removal Tool 1.6mm	206 00 205							•				1
Terminal Removal Tool 2.8mm	206 00 215	•	•	•	•	•	•	•	•	•	•	2
												
Wire Crimper	5670003	•	•	•	•	•	•	•	•	•	•	
Fuel Line Cutter	5520003	•	•	•	•	•	•	•	•	•	•	
Brass Glow Plug Brush	5590002	•	•	•	•	•	•	•				
AIRTRONIC D2 Demo Kit 12 volt	20 2820 69 02 83											

FUEL SYSTEM

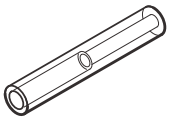
Refer to Fuel System Guide on page 66, to help plan your fuel system.

DESCRIPTION	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M / M-II	HYDRONIC 16/24/30/35	
Single Pick-up Pipe 2.0 mm Universal (Drill or 1/4” NPT fitting) (66 cm or 26”) RECOMMENDED	20 2900 20 20 10	•	•	•	•	•		•			1
Single Pick-up Pipe 2.0 mm (66 cm or 26”)	20 2900 20 20 42	•	•	•	•	•		•			5
Double Pick-up Pipe 2.0 mm (56 cm or 22”)	20 2900 20 20 57	•	•	•	•	•		•			2
Double Pick-up Pipe 2.0 mm (1/2” NPT) (66 cm or 26”)	20 2900 20 21 07	•	•	•	•	•		•			3
Fuel Pick-up pipe 2 mm W/FTNG (59.5 cm or 23.5”) - Vent fitting 1/2” NPT	20 2900 20 20 04	•	•	•	•	•		•			9
Dual Vent Fuel Pick-up pipe 2.0 mm (61 cm or 26”) - Vent fitting 1/2” 14 NPT	20 2900 20 20 07	•	•	•	•	•		•			10
Fuel Pick-up pipe 2.0 mm with Ring Fitting (66 cm or 24”)	20 2900 20 20 11	•	•	•	•	•		•			4
Single Pick-Up Pipe 4.0 mm universal (Drill or 1/2" NPT fitting) (66 cm or 26”) RECOMMENDED	20 2900 20 20 50						•		•		1
Single Pick-up Pipe 4.0 mm (61 cm or 24”) + Ring Fitting	20 2900 20 20 12						•		•		4
Single Pick-up Pipe 4.0 mm (41 cm or 16”)	5520001						•		•		5
Single Pick-up Pipe 4.0 mm (66 cm or 26”)	20 2900 20 20 53						•		•		5
Fuel Pick-up pipe 4 mm W/FTNG 19.5" - Vent fitting 1/2” NPT	20 2900 20 40 06						•		•		9
Single Pick-up Pipe 4.0 mm with Return (61 cm or 24”)	20 2900 20 20 59									•	6
Compression Fitting 1/4” NPT	20 2900 20 20 44	•	•	•	•	•	•	•	•	•	8
Compression Fitting 3/8” NPT	5520002	•	•	•	•	•	•	•	•	•	8
Compression Fitting 1/2” NPT	5520006	•	•	•	•	•	•	•	•	•	8
Compression FTNG 3/4” NPT	20 2900 20 20 82	•	•	•	•	•	•	•	•	•	8
Compression FTNG 9/16” w/O-ring	5520007	•	•	•	•	•	•	•	•	•	12
Rubber Seal Ring for Fuel Pick-up Pipe	20 2900 20 20 26	•	•	•	•	•	•	•	•	•	7
Automotive Fuel Pick-up Assembly (48 cm or 18.8”)	22 1000 20 11 00	•	•	•	•	•		•			11



Black Plastic Fuel Line 2.0mm ID	890 31 125	•	•	•	•	•	•	•	•		per mtr
White Plastic Fuel Line 1.5mm ID	890 31 118	•	•	•	•	•		•			per mtr
White Plastic Fuel Line 2.0mm ID	890 31 055	•	•	•	•	•	•	•	•		per mtr
Black Rubber Fuel Line 3.5mm ID	360 75 300	•	•	•	•	•	•	•	•		per mtr
Black Rubber Fuel Line 5.0mm ID	360 75 350	•	•	•	•	•	•	•	•	•	per mtr

Fuel Line Adapter 3.5mm to 5mm	25 1888 80 01 02							•			



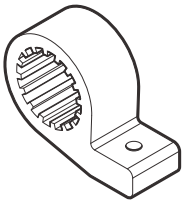
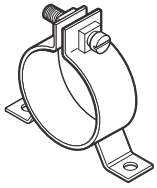
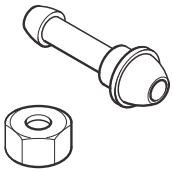
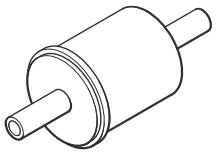
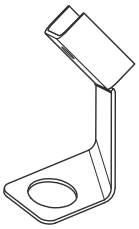
FUEL SYSTEM

Refer to Fuel System Guide on page 66, to help plan your fuel system.

DESCRIPTION	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)	10 2063 00 70 78	•	•	•	•	•	•	•	•	•	•	
Clamp 9mm (used with 360 75 300)	10 2068 00 90 98	•	•	•	•	•	•	•	•	•	•	
Clamp 10mm (used with 360 75 350)	10 2068 01 00 98	•	•	•	•	•	•	•	•	•	•	
Clamp 11mm (used with 360 75 350)	10 2068 01 10 98	•	•	•	•	•	•	•	•	•	•	
Clamp 12mm	10 2068 01 20 98	•	•	•	•	•	•	•	•	•	•	
Clamp 14mm	10 2068 01 40 98	•	•	•	•	•	•	•	•	•	•	
Fuel Filter	330 00 052									•		1
Fuel Screen	237 00 054									•		2
Plastic Fuel Tank (10L or 2.6 gal - Blue)	22 1000 20 28 00	•	•	•	•	•	•	•	•		•	
Plastic Cap	22 1000 20 22 00	•	•	•	•	•	•	•	•		•	
Plastic Fuel Filter	25 1226 89 00 37	•	•	•	•	•	•	•	•		•	
Measuring cylinders 10 ml	552 0004											

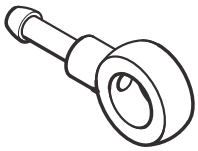
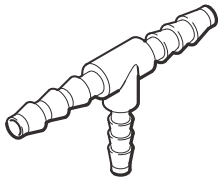
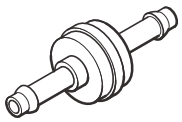
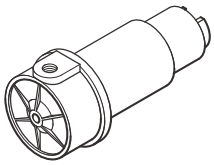
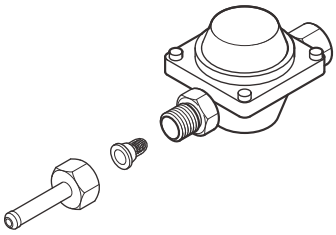
FUEL SYSTEM

Refer to Fuel System Guide on page 66, to help plan your fuel system.

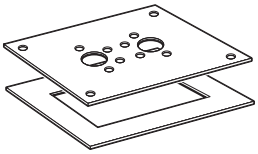
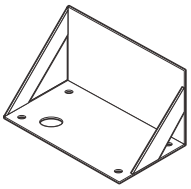
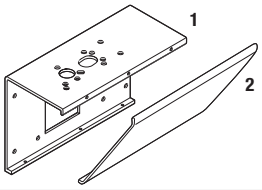
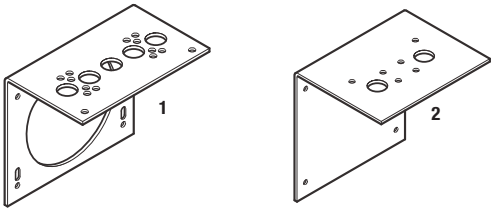
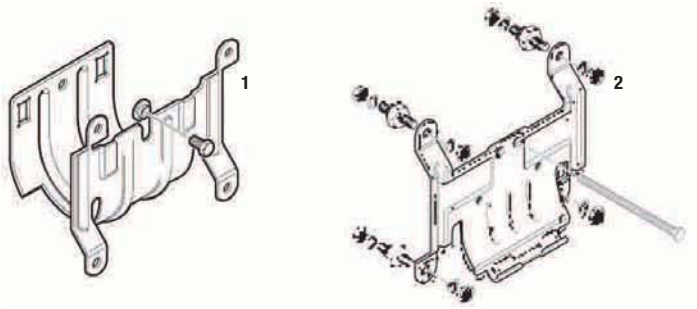
DESCRIPTION	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
Clamp 34mm for Fuel Metering Pump	152 00 200	•	•	•	•	•		•			
FMP Holder for Noise Reduction (small pumps)	22 1000 50 03 00	•	•	•	•	•		•			
FMP Holder for Noise Reduction (large pumps)	22 1000 50 07 00	•	•	•	•				•		
											
Fuel Metering Pump Holder	25 1156 20 00 11						•		•		
											
Fuel Connector Nipple and Nut	20 2900 20 20 71									•	
											
Plastic Fuel Filter (installed in front of fuel metering pump)	25 1156 20 00 09	•	•	•	•	•	•	•	•	•	•
											
FMP Bracket RECOMMENDED	20 2900 40 01 04	•	•			•					
											

FUEL SYSTEM

Refer to Fuel System Guide on page 66, to help plan your fuel system.

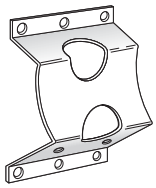
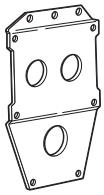
DESCRIPTION	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
Bango fitting 8mm	25 1352 88 00 05									•	
											
Fuel T-piece d=4mm, D=8mm	262 31 155							•			
Fuel T-piece d=6mm, D=6mm	262 31 150	•	•	•	•	•	•	•	•	•	•
Fuel T-piece d=6mm, D=8mm	262 31 151	•	•	•	•	•	•	•	•	•	•
Fuel T-piece d=6mm, D=10mm	262 31 152	•	•	•	•	•	•	•	•	•	•
Fuel T-piece d=6mm, D=12mm	262 31 153	•	•	•	•	•	•	•	•	•	•
											
One Way Check Valve 6mm	244 31 060	•	•	•	•	•	•	•	•	•	•
One Way Check Valve 8mm	244 31 061	•	•	•	•	•	•	•	•	•	•
											
Auxiliary fuel Pump 24V	25 1226 89 83 00	•	•	•	•	•	•	•	•	•	•
Bango fitting 8mm (2 required)	25 1352 88 00 05									•	
Hollow bolt 8mm (2 required)	104 10 008									•	
Copper seal 8mm (4 required)	323 16 013									•	
											
Pressure Reducer	22 1000 20 08 00	•	•	•	•	•		•			
											

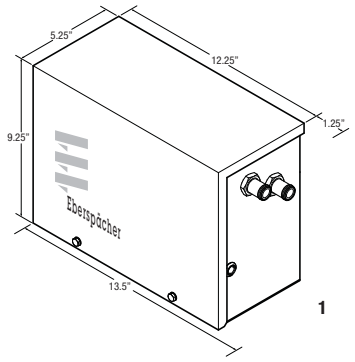
MOUNTING PARTS

DESCRIPTION	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	
Mounting Plate with Seal	5540001	•	•	•	•							
												
Side Frame Mounting Tray for Boxed Heaters	20 2900 40 00 57								•			
	20 2900 40 00 75										○	
												
Cargo Bracket	20 2900 40 00 34	•	•	•	•	•						1
Cargo Bracket Support	20 2900 40 00 35	•	•	•	•	•						2
												
Angle Mounting Bracket	20 2900 40 00 23					•						1
Mounting Bracket	5540016	•	•	•	•							2
												
Saddle Bracked	25 1864 80 00 01							•				1
Mounting Bracket (model 25 2217 / 2218 / 2219 / 2257)	25 2220 80 00 01							•				2
												

○ = E-Guardian

MOUNTING PARTS

DESCRIPTION	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	
Mounting Bracket for Coolant Pump	25 1371 25 00 01									•		
												
Mounting Bracket	25 1816 80 00 01								•			
												
Box Base with shock mounts	20 2900 40 90 01								•			2
Box Lid	20 2900 40 00 70								•			2
Box base	25 2800 40 10 02								○		○	
Lid	25 2800 40 10 03								○		○	
Hydronic 5 Box Base	25 2800 40 05 02							•				1
Hydronic 5 Box Lid	25 2800 40 05 01							•				1
Also requires: Silicone Seal - Exhaust	25 1216 88 03 01							•				
Grommet Harness	20 2900 60 10 61							•				
Grommet Fuel	20 1280 09 01 03							•				
Additional bulk head fitting required												
Lid Hydronic 5 Box - IC Corp	25 2782 40 00 02											
H-II D5S Enclosure Lid	25 2800 40 05 24											
L2 Enclosure Lid	25 2800 40 10 22											
M-II With Albany Lid	25 2800 40 10 26											



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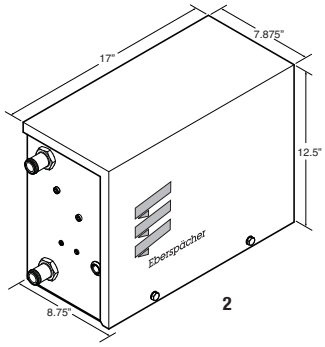

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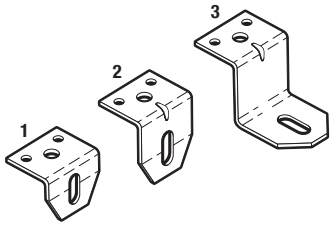
○ = E-Guardian

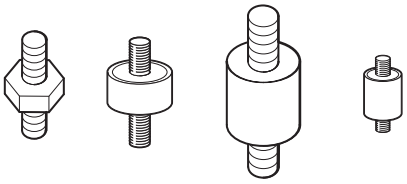
MOUNTING PARTS

DESCRIPTION	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	
Metal Angle Bracket for Fuel Metering Pump	20 1348 03 00 02	•	•	•	•	•	•	•	•	•		1
	20 1348 03 00 04	•	•	•	•	•	•	•	•	•		2
	20 1533 88 00 07	•	•	•	•	•	•	•	•	•		3



"C" Clamp 10mm	152 00 139	•	•	•	•	•	•	•	•	•		
"C" Clamp 25mm (for 22mm Exhaust/Air Intake)	152 10 048	•	•	•	•	•	•	•	•	•		
"C" Clamp 28mm (for 24mm Exhaust)	152 09 010	•	•	•	•	•	•	•	•	•		
"C" Clamp 34mm (for 30mm Exhaust)	152 09 008	•	•	•	•	•	•	•	•	•		
"C" Clamp 41mm (for large Fuel Metering Pumps)	152 10 039	•	•	•	•	•	•	•	•	•		
"C" Clamp 50mm	152 09 011			•	•							

Metal / Rubber Shock Mounts												
8mm H, Hex Body	20 1185 00 00 01	•	•	•	•	•	•	•	•	•		1
15mm H, Round Body, M8	330 09 002	•	•	•	•	•	•	•	•	•		2
1inch H, Round Body, 5/16 x 18 NC	5540014							•				3
25mm H, Round Body, M6	20 1609 05 00 04						•					4

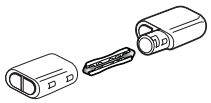
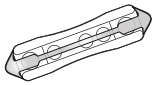
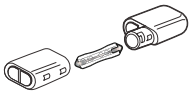
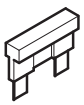


BULK WIRING

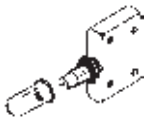
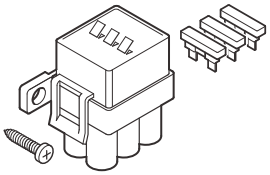
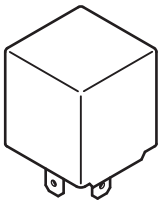
DESCRIPTION	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II	
Bulk Wiring												
8ga - 2 Core Red, Brown	20 2900 70 59 02	•	•	•	•	•	•	•	•	•		per ft.
10ga - 1 Core Red	5670136	•	•	•	•	•	•	•	•	•		per ft.
10ga - 2 Core Red, Brown	20 2900 70 59 03	•	•	•	•	•	•	•	•	•		per ft.
12ga - 2 Core Red, Brown	20 2900 70 59 23	•	•	•	•	•	•	•	•	•		per ft.
14ga - 2 Core Red, Brown	20 2900 70 59 05	•	•	•	•	•	•	•	•	•		per ft.
16ga - 2 Core Green, Brown	20 2900 70 09 15	•	•	•	•	•	•	•	•	•		per ft.
18ga - 2 Core Green, Brown	20 2900 50 59 01	•	•	•	•	•	•	•	•	•		per ft.
18ga - 3 Core Red, Brown, Yellow	20 2900 70 09 17	•	•	•	•	•	•	•	•	•		per ft.
18ga - 4 Core Red, Brown, Yellow, Blue	20 2900 70 09 13	•	•	•	•	•	•	•	•	•		per ft.
18ga - 6 Core Red, Brown, Yellow, Blue, Grey, Black	20 2900 70 90 09	•	•	•	•	•	•	•	•	•		per ft.
18ga - 7 Core Red, Brown, Yellow, Blue, Grey, Brown w/white stripe, Grey w/red stripe.	20 2900 70 09 14	•	•	•	•	•	•	•	•	•		per ft.

NO GRAPHIC

FUSE HOLDERS, FUSES, BREAKERS

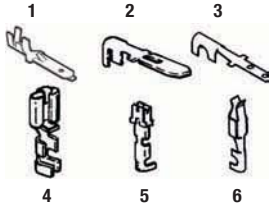
DESCRIPTION	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II	
Holder for Ceramic Fuse with 16 AMP Fuse	204 00 099	•	•	•	•	•	•	•	•	•		
												
Ceramic 25 AMP Fuse	204 21 009	•	•	•	•	•	•	•	•	•		
												
Water-proof Fuse Holder Cover	29 2100 01 81 56	•	•	•	•	•	•	•	•	•		
												
Bussman BAF 30 AMP Fuse	5670050	•	•	•	•	•	•	•	•	•		1
Fuse T6 3 AMP for Thermostat	460 26 001							•	•			2
Packard ATC Fuse Holder with Terminals	5670051	•	•	•	•	•	•	•	•	•		
Base, Fuse Holder 12033769	20 2900 70 70 17	•	•	•	•	•	•	•	•	•		1
Cover, Fuse Holder 12033731	20 2900 60 70 09	•	•	•	•	•	•	•	•	•		2
Terminal 12033997L	5670199	•	•	•	•	•	•	•	•	•		
ATC 3 AMP Fuse	5670057	•	•	•	•	•	•	•	•	•		3
ATC 5 AMP Fuse	204 00 079				•			•				3
ATC 10 AMP Fuse	5670056	•	•	•	•	•	•	•	•	•		3
ATC 15 AMP Fuse	5670053	•	•	•	•	•	•	•	•	•		3
ATC 20 AMP Fuse	5670055	•	•	•	•	•	•	•	•	•		3
ATC 25 AMP Fuse	204 00 089	•	•	•	•	•	•	•	•	•		3
ATC 30 AMP Fuse	5670054	•	•	•	•	•	•	•	•	•		3
												

FUSE HOLDERS, FUSES & BREAKERS

DESCRIPTION	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)	5670059	•	•	•	•	•	•	•	•	•		
Breaker 25 Amp (D5WB-oldstyle)	5670046	•	•	•	•	•	•	•	•	•		
												
Fuse Holder Base	204 31 004	•	•	•	•	•	•	•	•	•		1
Fuse Holder Cover	204 31 005	•	•	•	•	•	•	•	•	•		2
Fuse Holder Kit 5A, 15A, 25A INCLUDES: Fuses and Terminals	22 1000 31 06 00	•	•	•	•	•	•	•	•	•		
												
Relay 24 volt (D1L/D3L/V7S/D12W)	203 00 066						•	•				
												

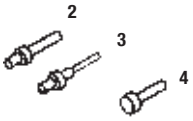
TERMINALS AND CONNECTORS

DESCRIPTION	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	
10ga - 12ga Female, Tabs	5670174	•	•	•	•	•	•	•	•	•		4
14ga - 18ga Female, Tabs	5670394	•	•	•	•	•	•	•	•	•		4
Terminal Fuse Holder	206 00 004	•	•	•	•	•	•	•	•	•		5
Flat Terminal	206 73 016	•		•								1
Mini Terminal, AWG 16-20	206 73 052	•	•	•	•							6
Flat Terminal	5670186	•	•	•	•	•	•	•	•	•		4
10ga - 12ga Female, No Tabs	5670171	•	•	•	•	•	•	•	•	•		4
14ga - 18ga Female, No Tabs	5670172	•	•	•	•	•	•	•	•	•		4
10ga - 12ga Male	5670176	•	•	•	•	•	•	•	•	•		1
14ga - 18ga Male	5670175	•	•	•	•	•	•	•	•	•		1
Mini Terminal, AWG 16-20	206 36 018	•	•	•	•							3
Terminal with Tab, AWG 18	5670394	•	•	•	•	•	•	•	•	•		4
Terminal with Sensor FE	5670187	•	•	•	•							4
Mini Terminal, AWG 14-18	206 00 182	•	•	•	•							6
Terminal 12033997L	5670199	•	•	•	•	•	•	•	•	•		4
Terminal with Sensor MALE	5670188	•	•	•	•							2

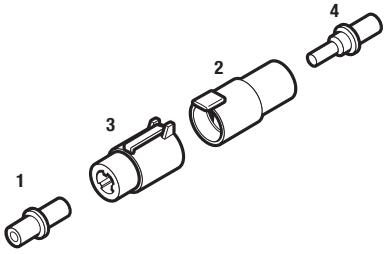


Ring Terminal (3/8”) AWG 10-12	5670178	•	•	•	•	•	•	•	•	•		

Socket AWG 14	5670268									•		2
Deutch Connector AWG 18 Pin	5670266									•		3
Seal Plug	5670325									•		4

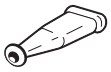


Socket	5670272									•		1
Connector, Female DTHD-04-18P	5670321									•		2
Connector, Male DTHD-06-18S	5670323									•		3
Deutch Connector Power Pin AWG 10	5670270									•		4

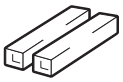


TERMINALS AND CONNECTORS

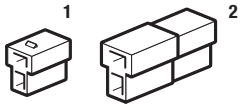
DESCRIPTION	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II	
Rubber Boot for Fuel Metering Pump	320 31 120	•	•	•	•	•	•	•	•	•		



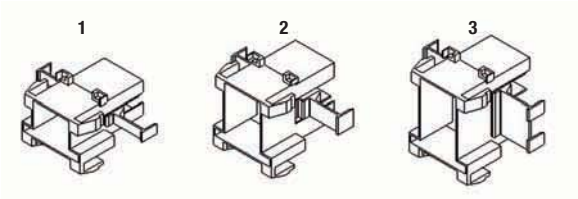
Plug and Socket Connector	206 00 040	•	•	•	•	•	•	•	•	•		



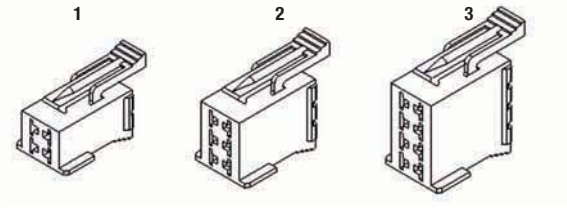
Socket Housing, Male 2 Pin “T”	206 00 099	•	•	•	•	•	•	•	•	•		1
Socket Housing, Female 2 Pin “T”	206 31 004	•	•	•	•	•	•	•	•	•		2



Socket Housing, Female 4 Pin	206 31 100	•	•	•	•	•	•	•	•	•	•	1
Socket Housing, Female 6 Pin	206 31 106	•	•	•	•	•	•	•	•	•	•	2
Socket Housing, Female 8 Pin	206 31 101	•	•	•	•	•	•	•	•	•	•	3
Terminal, Male AWG 16-20	206 36 018	•	•	•	•	•	•	•	•	•	•	4

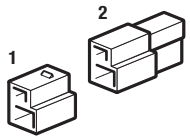


Socket Housing, Male 4 Pin	206 31 296	•	•	•	•	•	•	•	•	•	•	1
Socket Housing, Male 6 Pin	206 31 297	•	•	•	•	•	•	•	•	•	•	2
Socket Housing, Male 8 Pin	206 31 298	•	•	•	•	•	•	•	•	•	•	3
Terminal, Female AWG 16-20	206 73 052	•	•	•	•	•	•	•	•	•	•	4

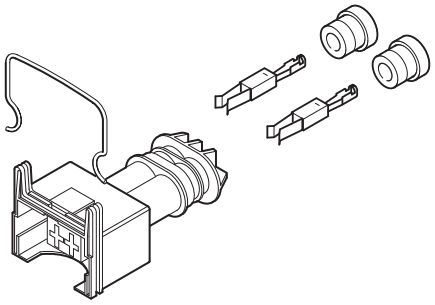


TERMINALS AND CONNECTORS

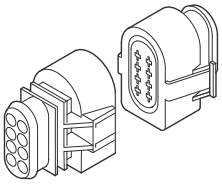
DESCRIPTION	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
Socket Housing, Female 2 Pin for Sensor	206 31 018	•		•							
Socket Housing, Male 2 Pin for Sensor	206 31 306	•	•	•	•						
Socket Housing, 2 Pin with Spring (FMP Connection)	206 31 290	•	•					•	•	•	
Mini Terminal, Female AWG 16-20	206 00 180	•	•					•	•	•	
Socket Housing M Stribel Control	206 31 319								•		
Plug for 206 31 319 Stribel	206 75 042								•		



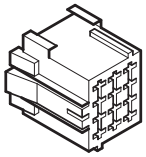
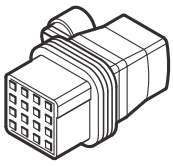
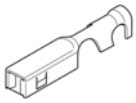
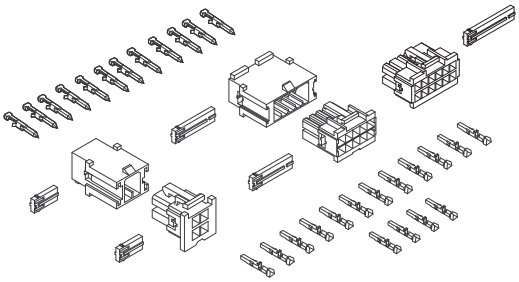
Fuel Metering Pump Housing Kit INCLUDES: terminals and seals.	22 1000 31 87 00	•	•			•	•	•	•		



Hydronic 4/5 Main harness connector Kit	22 1000 30 10 21							•			



TERMINALS AND CONNECTORS

DESCRIPTION	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
7 day timer 12 pin connector housing	206 31 293	•	•	•	•	•	•	•	•	•	•
											
Mini terminal, female AwG 16-20	206 00 180	•	•	•	•	•	•	•	•	•	•
Hydronic M square connector housing	206 31 319									•	•
Hydronic M square connector w/pins	22 1000 31 93 00									•	•
											
Mini terminal stribel AwG 16-20	206 36 154									•	•
											
EasyStart Call / EasyStart Timer - Single part electrical connection parts	22 1000 34 26 00	•	•		•		•	•		•	•
											

POWER CONVERTERS 12V TO 24V

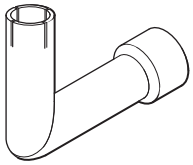
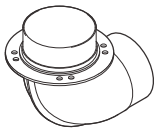
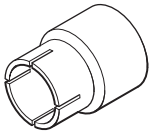
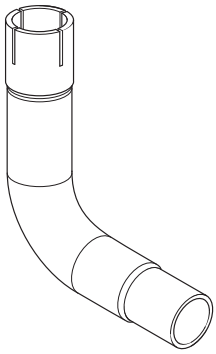
DESCRIPTION	PART NUMBER
Power Converter 12 - 24 288W	5673401

12V to 24V Power Converter Asmbly 3601	25 2800 90 12 24
12V to 24V Power Harness for 5673601	25 2800 70 16 00
Power Converter 12 - 24 488W	5673601

Heat sink	20 2900 40 00 04

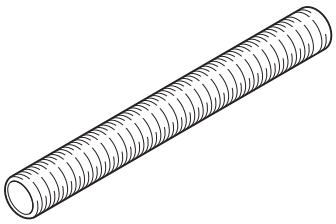
NOTES:

EXHAUST

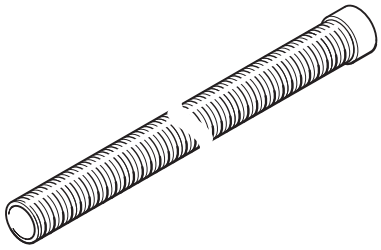
DESCRIPTION	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
Elbow (with 30mm flex exhaust)	25 1226 89 55 00	•	•	•	•	•		•			
											
Exhaust Elbow (with exhaust)	22 1000 40 03 00									•	
											
Straight Exhaust Fitting (24-30mm)	25 1520 80 01 01	•	•	•	•	•		•			
Straight Exhaust Fitting (30-28mm)	25 1226 89 00 28								•		•
Straight Exhaust Fitting (30-26mm)	25 1226 89 00 29								•		•
											
Exhaust 90° adapter (30mm)	25 2800 30 10 00								•		•
											

EXHAUST

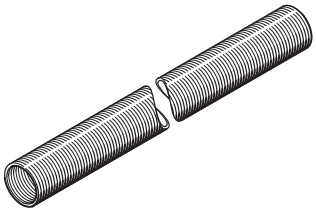
DESCRIPTION	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II	
Flexible Stainless Steel Exhaust 24mm (1.3 mtr) RECOMMENDED	360 61 557	•	•	•	•	•		•				each



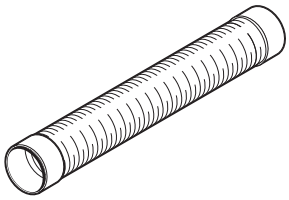
Flexible Stainless Steel Exhaust 24mm x 1.0M with end cap	25 1774 80 02 00	•	•	•	•	•		•				
Flexible Stainless Steel Exhaust 30mm x 1.3M with end cap	25 1816 80 08 00								•		•	



Flexible Stainless Steel Exhaust 40mm (when elbow is used)	5530012						•					per mtr
Flexible Stainless Steel Exhaust 42mm (direct connect)	5530013						•					per mtr
Flexible Stainless Steel Exhaust 24mm (one layer) RECOMMENDED	360 61 550	•	•	•	•	•		•				per mtr
Flexible Stainless Steel Exhaust 24mm (two layer)	360 61 299	•	•	•	•	•		•				per mtr
Flexible Stainless Steel Exhaust 30mm (one layer)	360 61 580								•		•	per mtr
Flexible Stainless Steel Exhaust 30mm (two layers)	360 61 300	•	•	•	•	•			•		•	per mtr

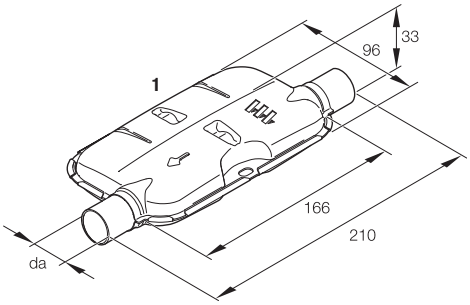


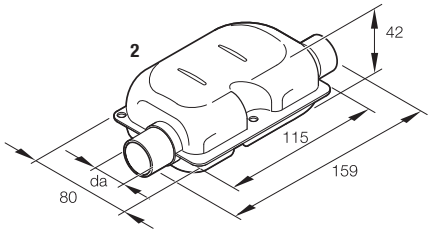
Flexible Stainless Steel Exhaust 70mm (direct connect)	5530015									•		per mtr



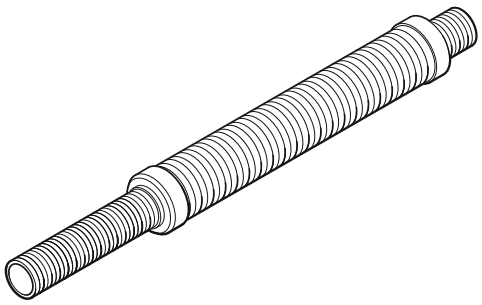
EXHAUST

DESCRIPTION	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 Muffler for 24mm (Slimmer-New)	22 1000 40 09 00	•	•	•	•	•		•				1
Exhaust Muffler for 24mm (Wider-Old)	25 1864 81 01 00	•	•	•	•	•		•				2

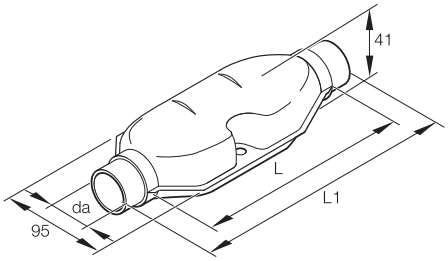




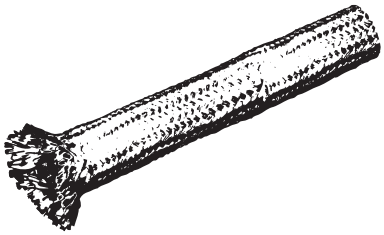
Exhaust Muffler 30mm	25 1226 89 58 00	•	•	•	•	•						



Exhaust Muffler 30mm	25 1806 80 01 00								•		•	



Exhaust Insulation Sock 1” for 22mm-24mm ID Exhaust	5530001	•	•	•	•			•				per ft.
Exhaust Insulation Sock 2” for 24mm-42mm ID Exhaust	5530002	•	•	•	•	•	•	•				per ft.
Exhaust Insulation Sock 3” for 70mm ID Exhaust	5530003									•		per ft.



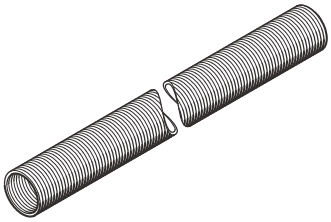
EXHAUST

DESCRIPTION	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	20 2900 30 24 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										•
Clamp for Exhaust Pipe 26mm	152 61 102	•	•	•	•	•		•			
Clamp for Exhaust Pipe 30mm-33mm	152 09 003								•		•
Clamp for Exhaust Pipe 32mm-50mm	152 09 004						•				

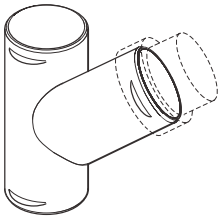
DUCTING

Air ducting is critical to the performance of your heater - for infromation on how to layout a system and measure restriction values see the Rating Guide on page 67

DESCRIPTION	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 (75mm or 3.0")	5550007	•	•	•	•	•	•					per ft.
Flexible Hose (100mm or 4.0")	5550008	•	•	•	•	•	•					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") RECOMMENDED	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	•	•	•	•	•	•				

DUCTING

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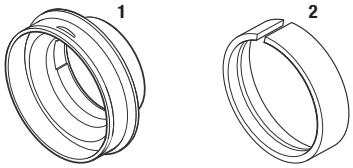
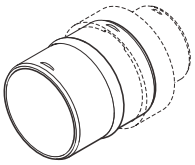
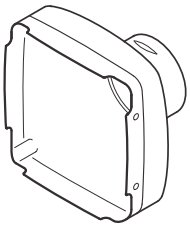
DESCRIPTION	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II	
Hood Adapter (60-75mm or 2.4”-3”)	25 1688 89 00 10	•		•								1
Hood Adapter (90-100mm or 3.5”-4”) black plastic	20 1607 80 00 01		•		•	•						2
Hood Adapter (100mm or 4”)	20 2900 50 20 02		•		•	•						2



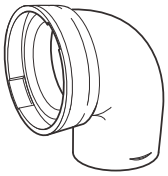
Ducting Union (60-60mm)	22 1000 01 00 05	•	•	•	•	•	•				
Ducting Union (75-75mm)	22 1000 01 00 06	•	•	•	•	•	•				
Ducting Union (90-90mm)	22 1000 01 00 24	•	•	•	•	•	•				
Ducting Union (100-100mm)	22 1000 01 00 07	•	•	•	•	•	•				



Straight Air Outlet Hood (60mm)	22 1000 01 00 16	•									
Straight Air Outlet Hood (75mm)	22 1000 01 00 17	•									
Straight Air Outlet Hood (75mm)	22 1000 01 00 18		•								
Straight Air Outlet Hood (90mm)	22 1000 01 00 19		•								
Straight Air Outlet Hood (60mm)	25 1688 80 03 00			•							
Straight Air Outlet Hood (75mm)	25 1688 89 02 00			•							
Straight Air Outlet Hood (75mm)	25 1822 80 01 00				•						
Straight Air Outlet Hood (90mm)	25 1822 89 01 00				•						
Complete Rear Air Outlet Hood (90mm)	25 1729 01 09 00					•					



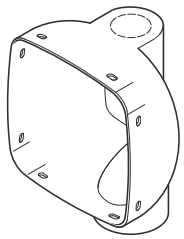
90o Bend di=60mm, da=60mm	25 1688 89 00 01	•		•							
90o Bend di=75mm, da=75mm	25 1482 89 00 05		•		•						



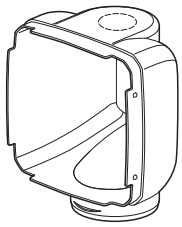
DUCTING

Air ducting is critical to the performance of your heater - for infromation on how to layout a system and measure restriction values see the Rating Guide on page 67

DESCRIPTION	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
90º Air Outlet Hood 60mm Outlet	22 1000 01 00 20	•									
90º Air Outlet Hood 75mm Outlet	22 1000 01 00 22		•								
90º Air Outlet Hood 90mm Outlet	22 1000 01 00 23		•								
90º Air Outlet Hood 60mm Outlet	25 1688 89 01 01			•							
90º Air Outlet Hood 75mm Outlet	22 1000 01 00 02				•						
90º Air Outlet Hood 90mm Outlet	25 1729 89 10 00					•					

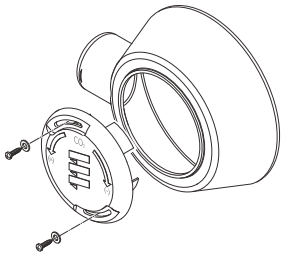


Ball-shaped scoop - d = 75 mm	22 1000 01 00 28	•	•								

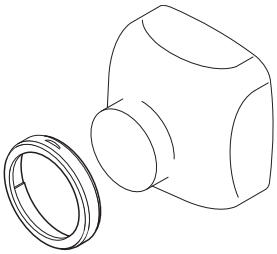


Used with the Airtronic D4 Plus

Air Intake Hood (60mm or 2.4”)	22 1000 40 06 00									•	



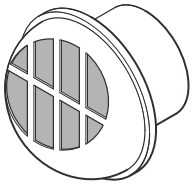
Adapter Ring di=60mm, da=75mm	22 1000 01 00 08	•		•							
Adapter Ring di=75mm, da=90mm	25 1822 89 00 01	•	•	•	•						
Adapter Ring di=90mm, da=100mm	20 1607 80 00 01		•		•	•					



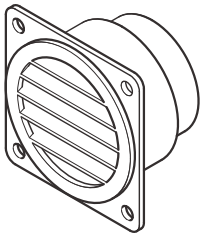
DUCTING

Air ducting is critical to the performance of your heater - for infromation on how to layout a system and measure restriction values see the Rating Guide on page 67

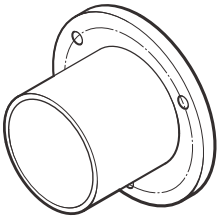
DESCRIPTION	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
Deflector (60mm or 2.4”)	20 2800 50 02 00	•	•	•	•	•					
Deflector (50mm or 2”)	20 1575 80 08 00	•	•	•	•	•	•				



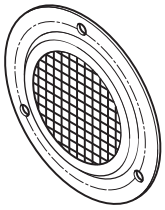
Adjustable Grill (90-100mm or 3.5-4”)	20 1609 80 09 00		•		•	•					
Adjustable Grille (75-100mm or 3-4”)	22 1050 89 21 00	•	•	•	•	•	•	•	•	•	•



Hose Flange for Outlet Grille for Duct Size 50mm (2”)	20 1575 80 08 01	•	•	•	•	•	•				
Hose Flange for Outlet Grille for Duct Size 60mm (2.4”)	20 1577 89 06 01	•	•	•	•	•					
Hose Flange for Outlet Grille for Duct Size 90mm (3.5”)	20 1297 00 00 01	•	•	•	•	•	•				
Hose Flange for Outlet Grille for Duct Size 100mm (4”)	25 1226 89 00 40	•	•	•	•	•	•				

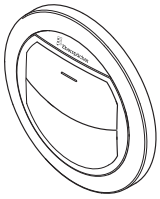
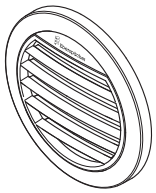
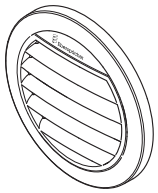
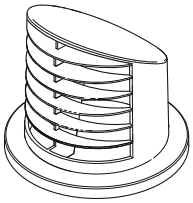
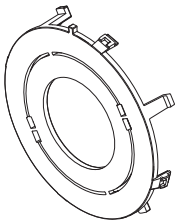


Black Open Screen (60mm or 2.4”)	22 1000 01 00 01	•	•	•	•	•					
Black Open Screen (90mm or 3.5”)	20 1465 89 05 00	•	•	•	•	•					
Black Open Screen (140mm or 5.25”)	25 1729 89 00 05	•	•	•	•	•					
Nickel Plated Open Screen (140mm or 5.25”)	25 1226 89 05 00	•	•	•	•	•					



DUCTING

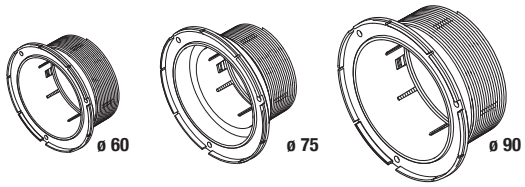
Air ducting is critical to the performance of your heater - for infromation on how to layout a system and measure restriction values see the Rating Guide on page 67

	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
Outlet Screen Closable	22 1000 01 00 72	•	•			•	~				
(Rotatable, see Ducting Flange (Plastic) for fitting - suitable for ø 75/90 mm fitting, black)	22 1000 01 00 76	•	•			•	~				
											
Flat Vent 30° (Rotatable - suitable for ø 50/60 mm fitting, black)	22 1000 01 00 44	•	•			•	~				
Flat Vent 30° (Rotatable - suitable for ø 75/90 mm fitting, black)	22 1000 01 00 52	•	•			•	~				
											
Outlet Screen 0° (FOR 75/90mm FLANGE - suitable for 75/90 mm fitting, black)	22 1000 01 00 48	•	•			•	~				
											
Upright Vent 90° (Rotatable, suitable for ø 50/60 mm fitting, black)	22 1000 01 00 64	•	•			•	~				
Upright Vent 90° (Rotatable, suitable for ø 75/90 mm fitting, black)	22 1000 01 00 68	•	•			•	~				
											
Air Control Element											
* for fitting, order no. 22 1000 01 00 35 - Plastic, ø 60 mm	22 1000 01 00 79	•	•			•	~				
** for fitting, order no. 22 1000 01 00 36 - Plastic, ø 60 mm	22 1000 01 00 80	•	•			•	~				
*** for fitting, order no. 22 1000 01 00 37 - Plastic, ø 90 mm	22 1000 01 00 81	•	•			•	~				
											

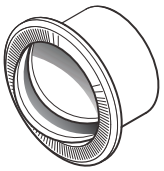
DUCTING

Air ducting is critical to the performance of your heater - for infromation on how to layout a system and measure restriction values see the Rating Guide on page 67

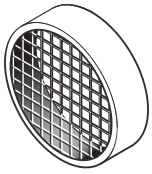
	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
Ducting Flange (Plastic) - ø 60 mm, black	22 1000 01 00 35	•	•			•	~				
Ducting Flange (Plastic) - ø 75 mm, black	22 1000 01 00 36	•	•			•	~				
Ducting Flange (Plastic) - ø 90 mm, black	22 1000 01 00 37	•	•			•	~				



French Closeable Outlet with Flange (75mm or 3” Ducting)	330 31 311	•	•	•	•	•	•				



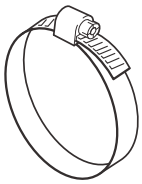
Air Inlet Safety Screen (60mm or 2.4”)	25 1688 80 06 00	•		•							
Air Inlet Safety Screen (75mm or 3”)	25 1552 05 01 00	•	•		•						
Air Inlet Safety Screen (90mm or 3.5”)	25 1729 80 00 01		•		•	•					
Air Inlet Safety Screen (100mm or 4”)	25 1226 89 44 00						•				



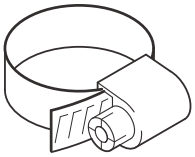
DUCTING

Air ducting is critical to the performance of your heater - for infromation on how to layout a system and measure restriction values see the Rating Guide on page 67

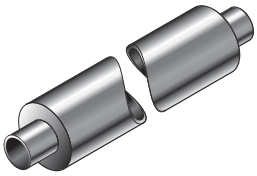
DESCRIPTION	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
Stainless Steel Hose Clamp 46-70mm (60mm or 2.4” Ducting)	5550004			•	•	•	•				
Stainless Steel Hose Clamp 59-83mm (75mm or 3” Ducting)	5550002	•	•	•	•	•	•				
Stainless Steel Hose Clamp 84-108mm (100mm or 4” Ducting)	5550003			•	•	•	•				



Ducting Clamp 32-50mm	10 2067 03 20 50	•	•	•	•	•	•	•	•	•	•
Ducting Clamp 33-57mm	5550001	•	•	•	•	•	•	•	•	•	•



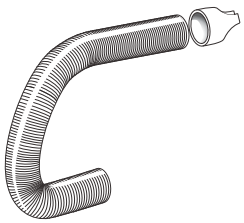
Air Intake Silencer (75mm or 3”)	25 1226 89 15 00	•	•	•	•						
Air Intake Silencer (100mm or 4”)	25 1226 89 56 00		•		•	•	•				



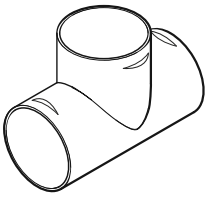
DUCTING

Air ducting is critical to the performance of your heater - for infromation on how to layout a system and measure restriction values see the Rating Guide on pages 75 - 85.

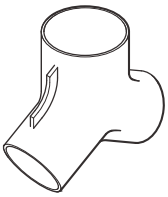
DESCRIPTION	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II	
Combustion Air Intake Flex Hose 30mm ID	10 2114 25 00 00						•					per mtr
End Cap	25 1480 89 04 00						•					
Hose Comb. Air 25mm (1m)	360 00 006	•	•									
Hose - 20mm APK Comb Air (1m)	360 00 099							•				

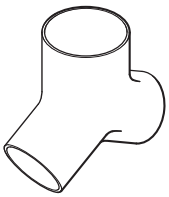


Plastic “T” Piece, 60mmx60mmx60mm or 2.4”x2.4”x2.4”	25 1688 89 00 02	•		•								
Plastic “T” Piece, d = 75 mm	22 1000 01 00 27	•	•									
Plastic “T” Piece, d = 90 mm	22 1000 01 00 26		•									



Plastic “Y” Piece, d =60mm, d =50mm	25 1688 89 00 03	•		•								1
Metal “Y” Piece, d =75mm, d =50mm	25 1482 80 08 00	•	•	•	•	•	•					1
Plastic “Y” Piece, d =75mm, d =60mm	22 1000 01 00 82	•	•									2
Plastic “Y” Piece, d =90mm, d =60mm	22 1000 01 00 83	•	•			~						2
Plastic “Y” Piece, d =90mm, d =75mm	22 1000 01 00 84		•									2

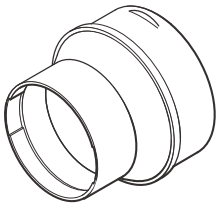




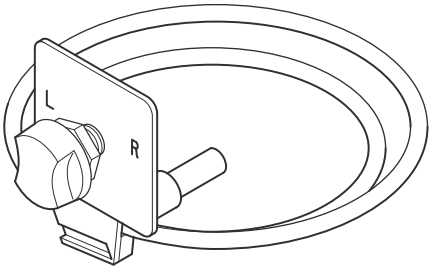
DUCTING

Air ducting is critical to the performance of your heater - for infromation on how to layout a system and measure restriction values see the Rating Guide on pages 75 - 85.

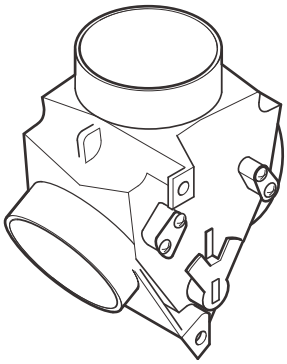
DESCRIPTION		PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
Plastic Reducer di=60mm, D=75mm		25 1688 89 00 10	•	•	•	•	•					
Plastic Reducer di=75mm, D=100mm		25 1226 89 00 47	•	•	•	•	•	•				
Plastic Reducer di=75mm, D=50mm		25 1226 89 00 46	•	•	•	•	•					
Plastic Reducer di=75mm, D=60mm		25 1226 89 00 50	•	•	•	•	•	•				
Plastic Reducer di=100mm, D=50mm		25 1226 89 00 48		•	•	•	•	•				



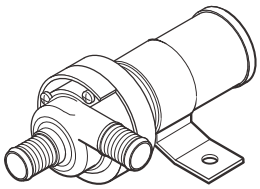
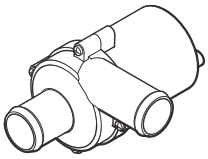
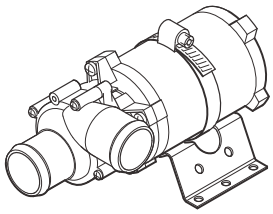
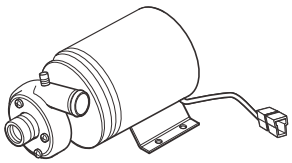
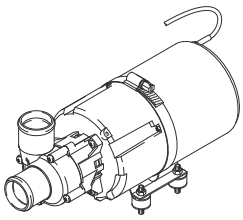
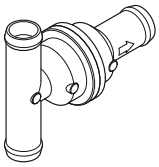
Operating Cable for 330 00 174	REQUIRES air regulating valve	22 1000 01 03 00	•	•	•	•	•					



Air Regulating Valve 60mm		330 00 174	•	•	•							
Air Regulating Valve 90mm	REQUIRES operating cable	330 00 175	•	•	•	•	•					

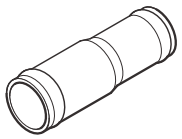


COOLANT PUMPS

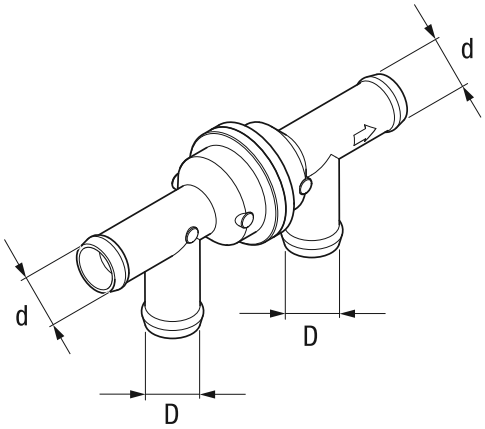
DESCRIPTION	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
Coolant Pump (700 L/hr) 12 volt	25 1815 25 01 00								•		
Coolant Pump (700 L/hr) 24 volt	25 1816 25 01 00								•		
											
Coolant Pump (800 L/hr) 12 volt	25 2275 25 00 00							•			
Coolant Pump (900 L/hr) 24 volt	25 2009 25 00 00							•			
											
Flowtronic Coolant Pump (5000 L/hr) 24 volt	25 2488 26 00 00									•	
											
High Capacity Pump 12 volt Albany (2280 L/hr)	20 2900 60 01 39								•		•
High Capacity Pump 24 volt Albany (2280 L/hr)	20 2900 70 01 40								•		•
											
Flowtronic Coolant Pump 24 volt (6000 L/hr)	25 2488 25 00 00									•	
											
Water Check Valve D = 20 mm, d = 20 mm	22 1000 10 07 00							•	•		•
											

PLUMBING

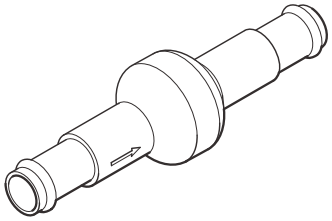
DESCRIPTION	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
Brass Reducer D= 18 mm, d= 15 mm	20 1645 80 02 01							•	•		•
Brass Reducer D= 20 mm, d= 18 mm	20 1645 89 00 06							•	•		•



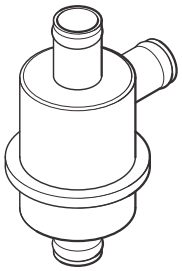
One Way Check Valve D= 20 mm, d= 20 mm	22 1000 10 10 00							•	•		•
Non-Return Valve d= 18 mm / D= 20 mm / D= 20 mm / d= 18 mm	22 1000 10 11 00							•	•		•



One Way Check Valve 20mm	22 1000 10 08 00							•	•		•

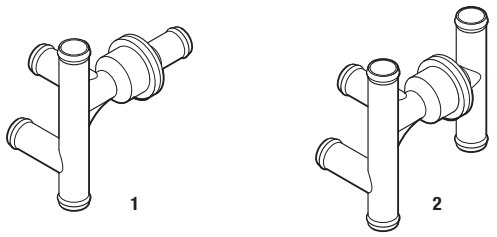


Brass Water Thermostat D= 18mm, d= 18mm (70oC-75oC) 158oF-167oF	330 00 123							•	•		•
Brass Water Thermostat D= 20mm, d= 20mm (70oC-75oC) 158oF-167oF	330 00 124							•	•		•

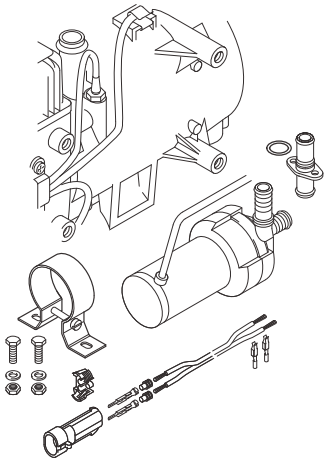


PLUMBING

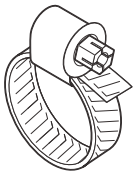
DESCRIPTION	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II	
5 Way Valve with Thermostat	25 2014 80 72 00							•	•	•	•	1
6 Way Valve with Thermostat	25 2014 80 62 00							•	•	•	•	2



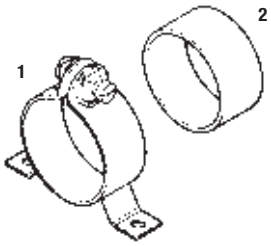
Conversion Kit for Water Pump	22 1000 10 01 00								•			



Clamp 16-25mm ID 10	10 2067 01 60 25	•	•	•	•	•	•	•	•	•	•	
Clamp 20-32mm ID 10	10 2066 02 00 32	•	•	•	•	•	•	•	•	•	•	

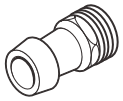


Pump Clamp 48mm 22	22 1000 50 10 00						•	•				1
Rubber Ring for Large FMP	20 1449 00 10 01						•					2

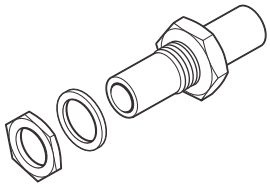


PLUMBING

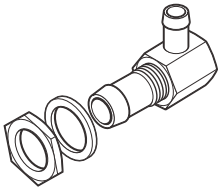
DESCRIPTION	PART NUMBER	AIRTRONIC D2	AIRTRONIC D4	B1LC compact	B3LC compact	AIRTRONIC D5	D8LC	HYDRONIC 4/5	HYDRONIC 10 / M	HYDRONIC 16/24/30/35	HYDRONIC M-II
Brass Pump Fittings 3/4” NPT x 3/4” Barb	20 2900 60 10 02							•	•		•
Brass Pump Fitting 3/4” NPT x 1” Barb	20 2900 60 10 15							•	•		•



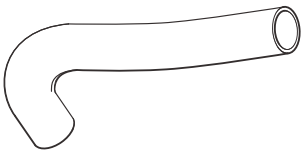
Bulk Head Fitting 3/4” - 2 pieces required	20 2900 60 10 10							•	•		•
1/2 - 3/4 Straight Barb Connection	5520068										
Bulk Head Fitting 3/4” to 1”	20 2900 60 10 57								•		•



Bulk Head Fitting 3/4” x 90o	20 2900 60 10 37							•	•		•

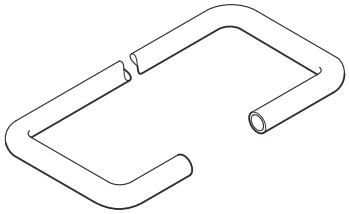


90o Hose Bend 20mm x 0.29 mtr	20 2900 60 10 23								•		
90o Hose Bend 1.5” ID	5560001									•	

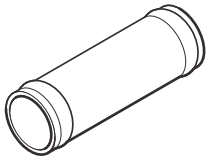


PLUMBING

DESCRIPTION	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
180o Coolant Hose 18mm, L = 2000mm	20 1690 81 00 01							•	•		•
180o Coolant Hose 20mm, L = 2000mm	25 1917 80 00 01							•	•		•



Brass Hose Connector d= 18mm	20 1528 88 00 03							•	•		•
Brass Hose Connector d= 20mm	20 1534 88 00 01							•	•		•
Brass Hose Connector d= 22mm	20 1645 89 00 07							•	•		•



Coolant Hose 1.5” 1mt piece	20 2900 60 10 39							•			

FUEL SYSTEM GUIDE

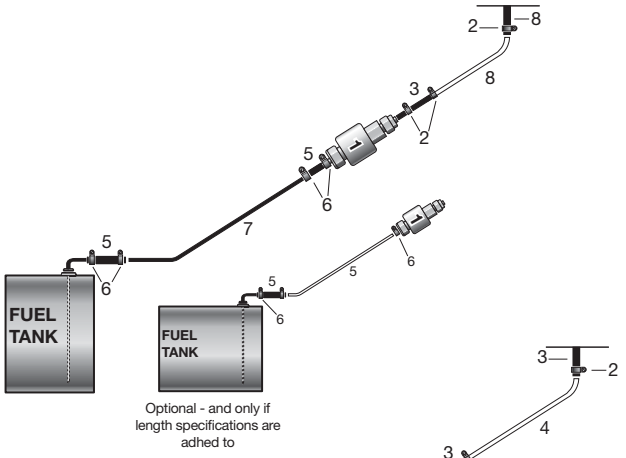
This guide is to help in selecting which size fuel line, rubber hose and clamps are required for a specific heating system. Refer to the Fuel System section of this manual for specific part numbers.

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

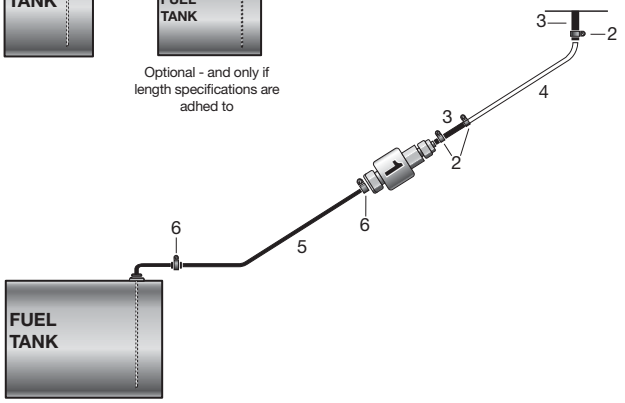
LEGEND

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

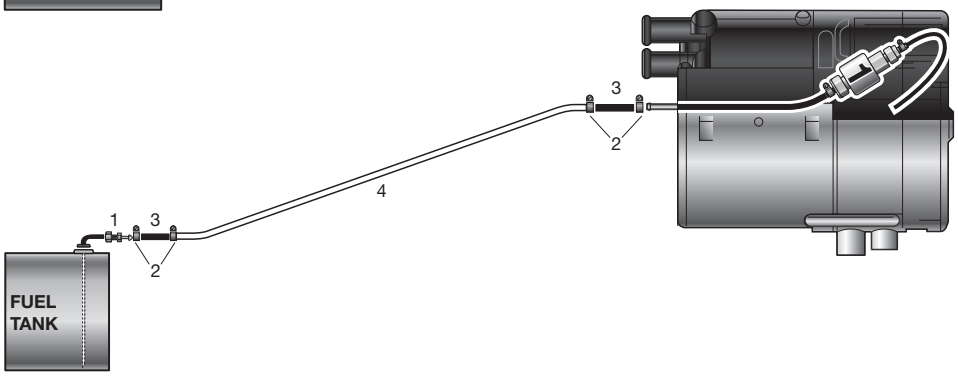
AIRTRONIC 2
AIRTRONIC 4
B1LC compact
B3LC compact
D/B5LC



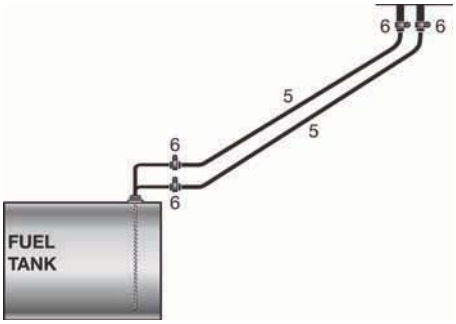
D8LC
HYDRONIC 10



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 inadmissable 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:

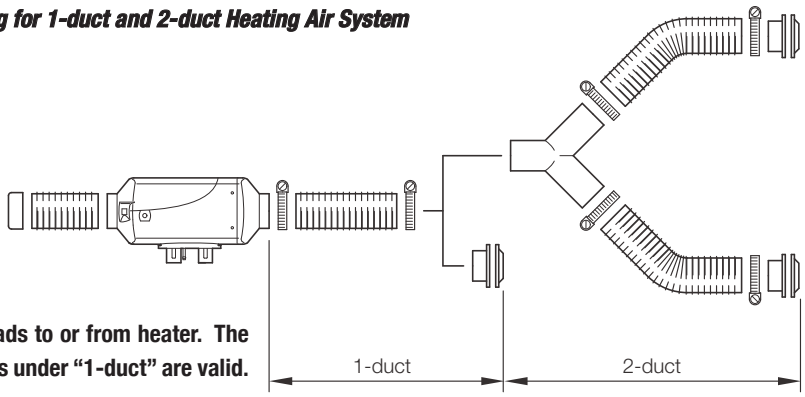
Double the cross-section or two identical components running parallel = 1/4 of the rating.

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



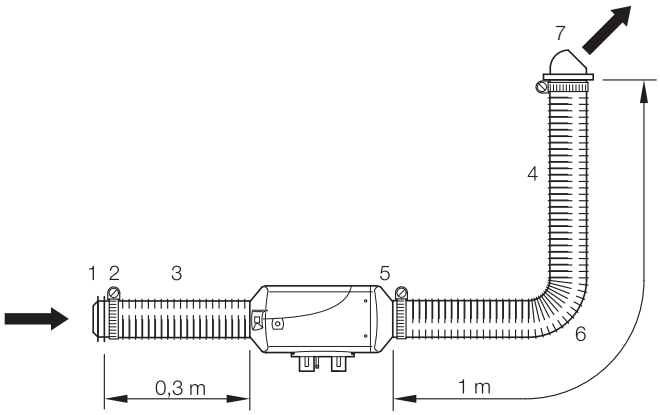
1-duct means:
A heating duct leads to or from heater. The component ratings under "1-duct" are valid.

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	0.5
2	Connection piece 60mm dia.	0
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	0.2
7	Swivel outlet	3.2
	Total Component Rating	**5.2**

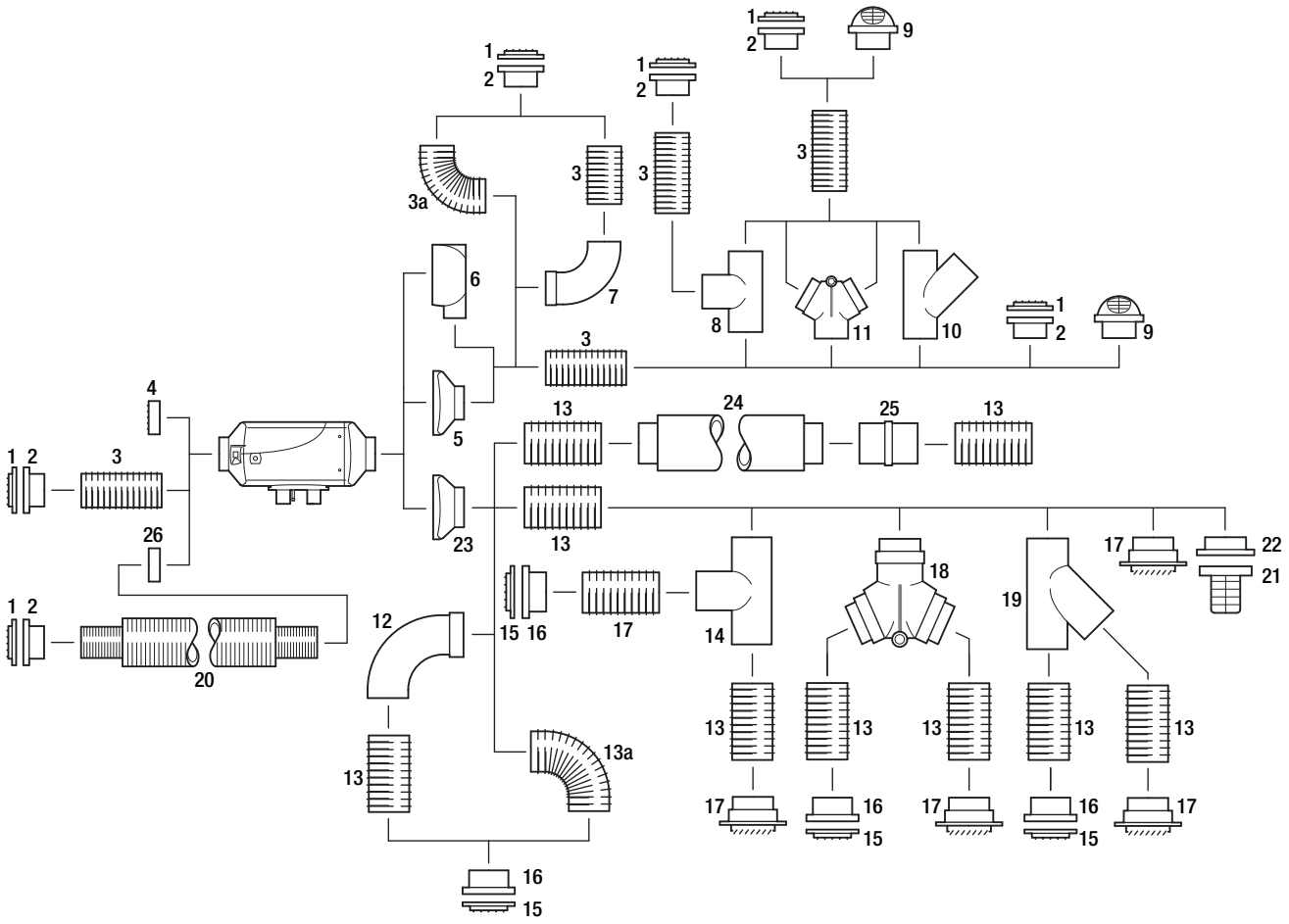


Rating sum = 5.2 and does not exceed the heater rating of 6. The installation is permissable.

DUCTING RATING GUIDE FOR *AIRTONIC* 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.



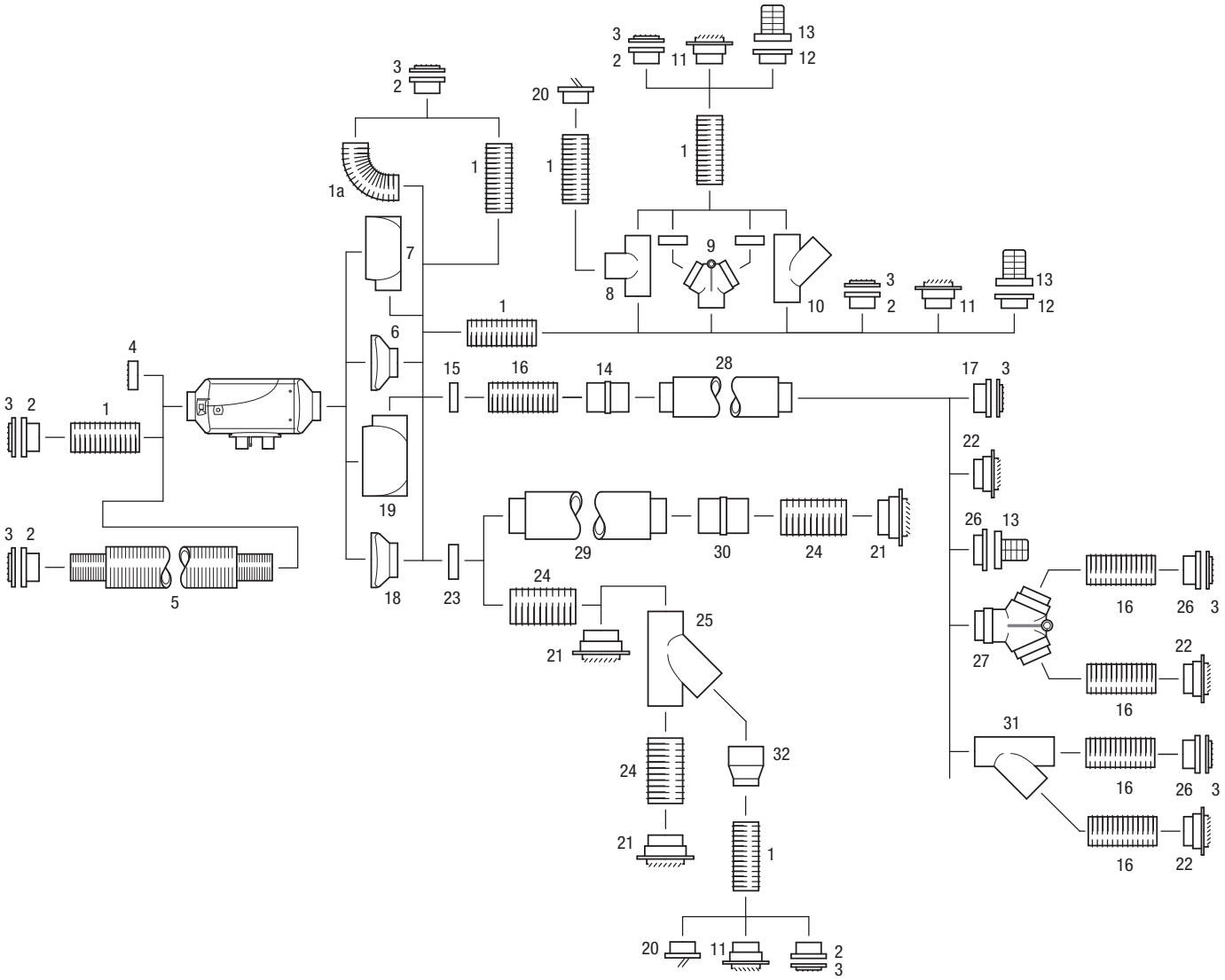
DUCTING RATING GUIDE FOR *AIRTRONIC* D2

	DESIGNATION (measurements in millimeters)	COMPONENT RATING 1-duct	 2-duct
	Heating air ducting with reduction hood 60 dia. (heater rating 6)		
1	Grille	0.5	0.1
2	connecting socket, plastic	0	0
3	Flexible pipe, 60 dia. per m	1	0.25
3a	90° pipe bend of flex. pip, 60 dia.	0.2	-
4	Protective grille	0	-
5	Reduction hood, 60 dia.	0	0
6	Spherical reduction hood, 60 dia.	4.8	-
7	90° pipe bend	4	-
8	T-piece	1.4	0.25
9	Outlet grill 60 dia. (rotatable)	3.2	0.8
10	Y-piece	-	1
11	Regulating valve 60x60x60 dia. with flap Position “middle” Position “right/left”	 - -	 - 0.6
	Heating air ducting with reduction hood 75 dia. (heater rating 12)		
12	Pipe bend, 75 dia.	4.5	-
13	Flexible pipe, 75 dia. per m	1	0.25
13a	90° pipe bend of flex. pipe, 75 dia.	1.2	-
14	T-piece 75x75x75 dia.	-	0.8
15	Grille, 75 dia.	0.6	0.1
16	Connecting socket, metal, 75 dia.	0	0
17	Outlet grill (rotatable)	0.6	0.2
18	Regulating valve 75x75x75 dia. with flap Position “middle” Position “right/left”	0	1.2
19	Y-piece 75x75x75 dia.	-	0.6
20	Intake silencer, 75 dia.	0.7	-
21	Outlet grill with	0.8	0.15
22	Connecting socket, plastic, 75 dia.	0	0
23	Reduction hood, 75 dia.	0	0
24	Silencer, 75 dia.	0.6	-
25	Connector, 75 dia.	0.5	0.1
26	Ring, 60x75 dia.	-	-

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

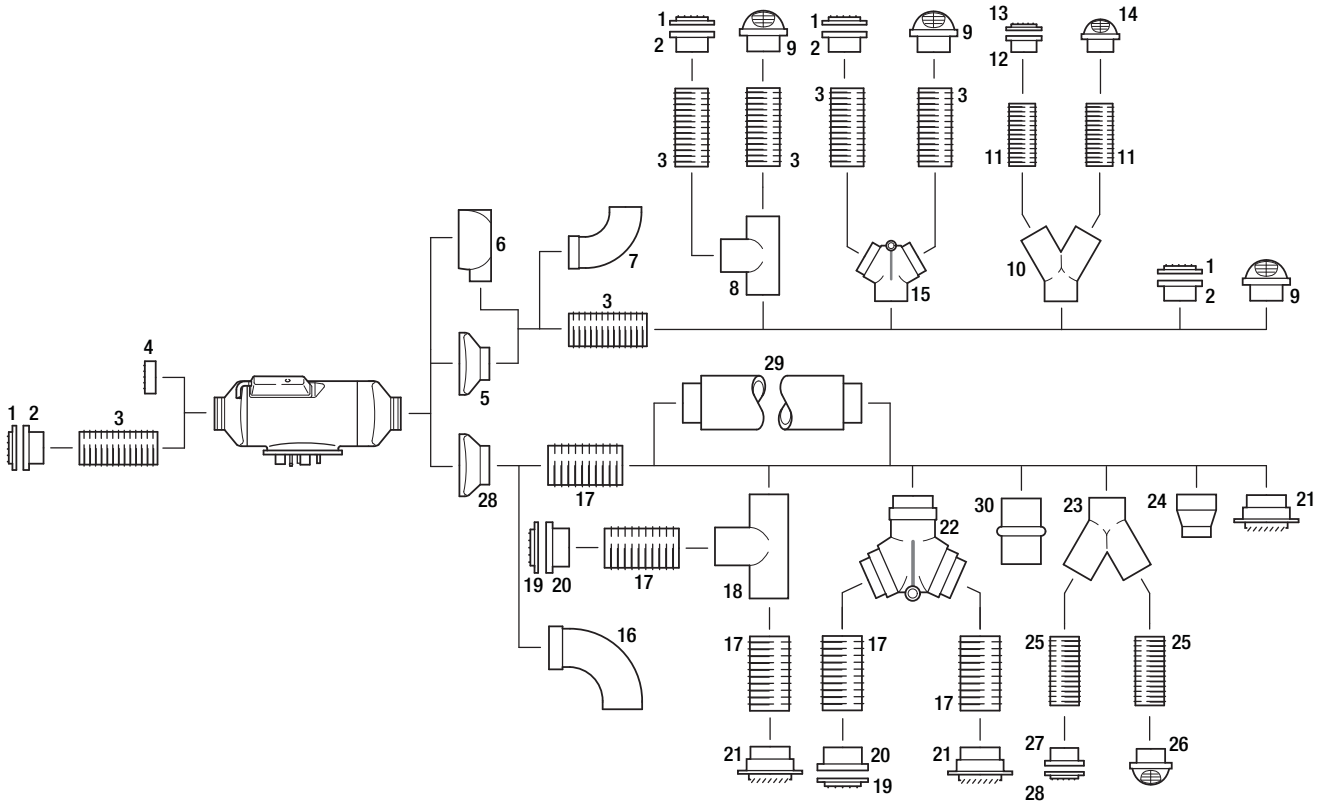
	DESIGNATION	COMPONENT RATING			
	(measurements in millimeters)	1-duct		2-duct	
	Heating air ducting with reduction hood 75 dia. (heater rating 3) Heating air ducting with reduction hood 90 dia. (heater rating 10)	75	90	75	90
1	Flexible pipe, 75 dia. per m	1	-	0.2	-
1a	90° pipe bend of flex. pipe, 75 dia.	0.2	-	-	-
2	Connecting socket, metal, 75 dia.	0.0	-	0.0	-
3	Grille	0.4	0.1	0.1	0.03
4	Grille, 75 dia.	2.0	-	-	-
5	Intake silencer, 75 dia.	0.8	-	-	-
6	Reduction hood, 75 dia.	0	-	-	-
7	Spherical reduction hood, 75 dia.	0.8	-	-	-
8	T-piece 75x75x75 dia.	-	-	0.5	-
9	Regulating valve 75x75x75 dia. with flap Position “middle” Position “right/left”	 - -	 - -	 - 1.8	 - -
10	Branch piece 75x75x75 dia.	-	-	0.6	-
11	Outlet grill (rotatable) 75 dia.	0.8	-	0.2	-
12	Connector, 75 dia.	0	-	0	-
13	Outlet grill	1.1	-	0.3	-
14	Connector, 75 dia.	-	0.5	-	0.1
15	Ring, 75x90 dia.	0.5	-	-	-
16	Flexible pipe, 90 dia. per m	-	1	-	0.25
17	Connector socket, 90 dia. with grille	-	0	-	0
18	Reduction hood, 90 dia.	-	0	-	-
19	Spherical reduction hood, 90 dia.	-	5	-	-
20	Round outlet, 75 dia.	-	-	-	-
21	Outlet grill (rotatable) 100 dia.	-	2.1	-	0.5
22	Outlet grill (rotatable) 90 dia.	-	2.2	-	0.5
23*	Grille, round, 90x100 dia.	-	0	-	-
24	Flexible pipe, 100 dia. per m	-	0.4	-	-
25	Y-piece 100x100x100 dia.	-	-	-	0.5
26	Connector, 90 dia., with exhauster pos. 13	-	-	-	0
27	Regulating valve 90x90x90 dia. Position “middle” Position “right/left” - 1.4 - -	-	1.2	-	-
28	Silencer, 90 dia.	-	0.7	-	-
29	Silencer, 100 dia.	-	0.5	-	-
30	Connector, 100 dia.	-	0.1	-	-
31	Y-piece 90x90x90 dia.	-	-	-	0.3
32	Reduction piece, 100 dia. - 75 dia.	-	-	-	0.8

* 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*

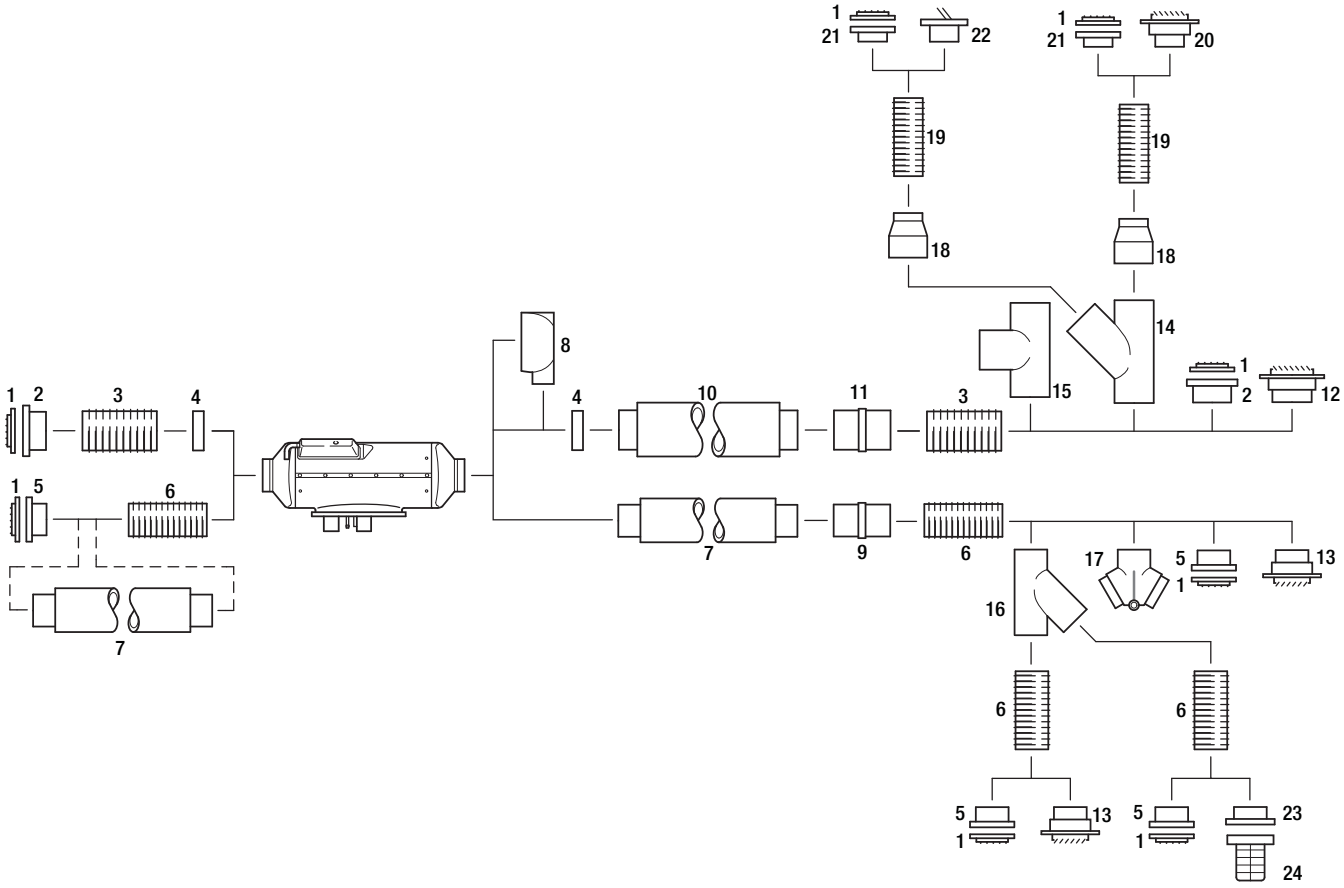
	DESIGNATION	COMPONENT RATING	
	(measurements in millimeters)	1-duct	2-duct
	Heating air ducting with reduction hood 60 dia.		
	(heater rating 6)		
1	Grille	1.2	0.4
2	Connecting socket, plastic	0.3	0
3	Flexible pipe, 60 dia. per m	1	0.25
-	90° pipe bend of flex. pipe, 60 dia.	0.5	0.1
4	Protective grille	0.15	-
5	Reduction hood 60 dia.	0	0
6	Spherical reduction hood, 60 dia.	1.7	1.7*
7	Pipe bend, 60 dia.	3	*
8	T-piece, 60 dia.	-	0.3
9	Outlet grill (rotatable) 60 dia.	1	0.25
10	Y-piece, 60 dia.	-	0.85
11	Flexible pipe, 50 dia. per m	-	0.25
-	90° pipe bend of flex. pipe, 50 dia.	-	0.1
12	Connecting piece	-	0
13	Outlet grill	-	0.15
14	Outlet grill (rotatable) 50 dia.	-	0.15
	Regulating valve 60x60x60 dia. with flap		
15	Position “middle”	-	0
	Position “right/left”	-	1
	Heating air ducting with reduction hood 75 dia.		
	(heater rating 15)		
16	Pipe bend, 75 dia.	2	2*
17	Flexible pipe, 75 dia., per m	1	0.25
-	90° pipe bend of flex. pipe, 75 dia.	0.7	0.15
18	T-piece 75x75x75 dia.	-	0.7
19	Grille, 75 dia.	0.3	0
20	Connecting socket, metal, 75 dia.	0	0
21	Outlet grill (rotatable) 75 dia.	0.7	0.15
	Regulating valve 75x75x75 dia. with flap		
22	Position “middle”	-	0
	Position “right/left”	-	1
23	Y-piece 50x75x50 dia.	-	1.3
24	Reducing piece, 75 dia. - 50 dia.	-	0.8
25	Flexible pipe, 50 dia. per m	-	1
-	90° pipe bend of flex. pipe, 50 dia.	-	0.8
26	Outlet grill (rotatable) 50 dia.	-	0.35
27	Connecting socket, plastic, 50 dia.	-	0
28	Reduction hood, 75 dia.	0	0
29	Silencer, 75 dia.	1	-
30	Connector, 75 dia.	-	-

* 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 exhauster side - the rating of the components at the exhauster side must be multiplied by 0.4. The heating rating 6 applies.

DUCTING RATING GUIDE FOR *AIRTRONIC* 5

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 *AIRTRONIC* 5

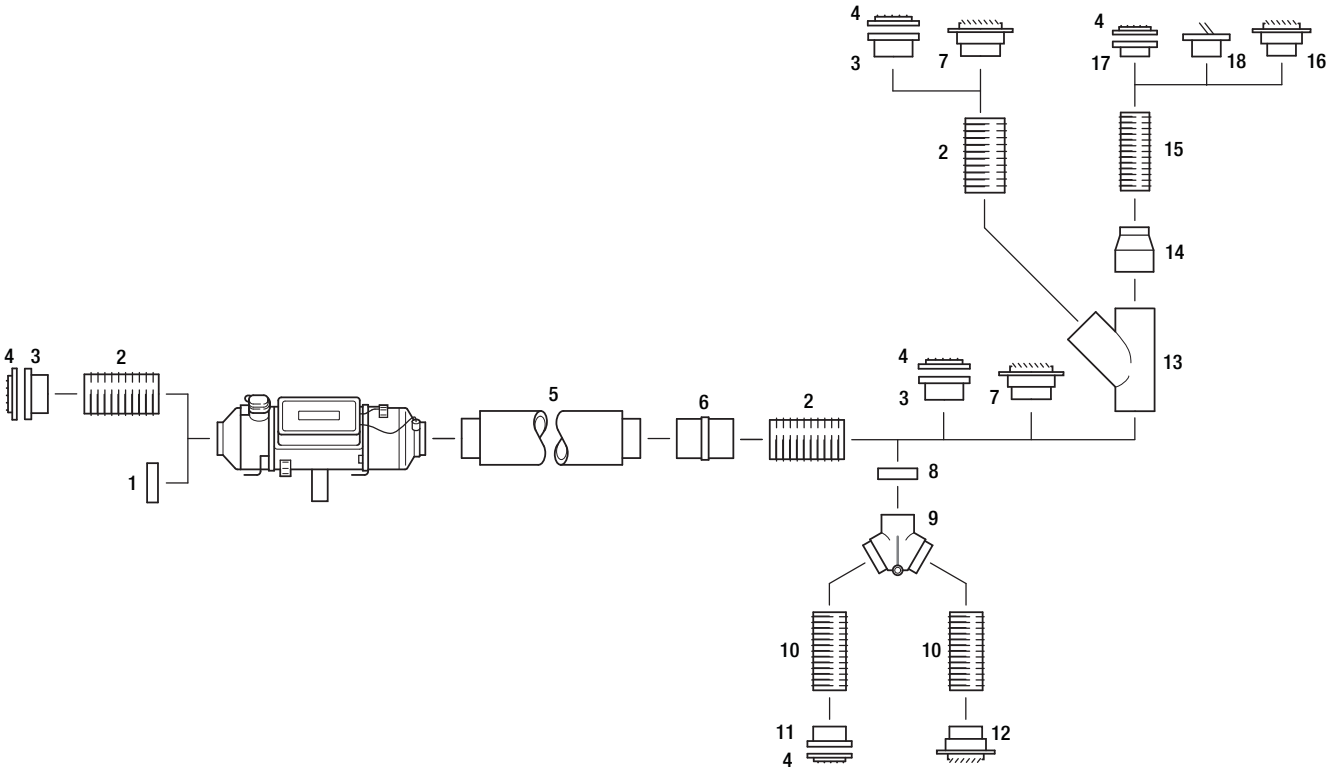
	DESIGNATION (measurements in millimeters)	COMPONENT RATING 1-duct	2-duct
	Heating air ducting with reduction hood 90 dia. (heater rating 10)		
1	Grille	0.6	0.2
2	Connecting socket, metal, 100 dia.	0	0
3	Flexible pipe, 100 dia. per m	0.6	0.2
	Bend, 90° of flexible pipe, 100 dia.	0.6	-
4	Grille, 90x100 dia.*	0	-
5	Connector piece, 90 dia.	0	0
6	Flexible pipe, 90 dia. per m	1.0	0.25
	Bend, 90° of flexible pipe, 90 dia.	0.2	-
7	Silencer, 90 dia.	0.8	-
8	Spherical reduction hood, 90 dia.	8	-
9	Connector, 90 dia.	0.5	0.1
10	Silencer, 100 dia.	0.5	-
11	Connector, 100 dia.	0.4	0.1
12	Outlet grill (rotatable) 100 dia.	2	0.5
13	Outlet grill (rotatable) 90 dia.	2	0.5
14	Y-piece 100x100x100 dia.	-	0.5
15	T-piece 100x100x100 dia.	-	0.5
16	Y-piece 90x90x90 dia.	-	0.6
	Regulating valve 90x90x90 dia.		
17	Position “middle”	-	1.1
	Position “right/left”	1	-
18	Reduction piece, 100 dia. - 75 dia.	3.2	-
19	Flexible pipe, 75 dia. per m	4	1
	Bend, 90°- of flexible pipe, 75 dia.	-	0.5
20	Outlet grill (rotatable) 75 dia.	-	1.25
21	Connecting socket, metal, 75 dia.	0	0
22	Round outlet, 75 dia., closing	-	-
23	Connector, 90 dia.	0	0
24	Outlet grill	3	0.8

* Pos. 4 - if used as adapter 90 x 100 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

	DESIGNATION (measurements in millimeters)	COMPONENT RATING 1-duct	2-duct
	Heating air ducting with reduction hood 100 dia. (heater rating 8)		
1	Grille, 100 dia.	0.1	-
2	Flexible pipe, 100 dia., per m	1.0	0.25
-	Pipe bend, 90°, of flex. pipe, 100 dia.	0.5	0.15
3	Connecting socket, metal, 100 dia.	0	0
4	Grille, painted, 100 dia.	1.8	0.1
-	Grille, nickel-plated, 100 dia.	1.8	0.1
5	Silencer, 100 dia.	1.1	0.25
6	Connector socket, 100 dia.	0.5	0.1
7	Outlet grill (rotatable), 100 dia.	5.5	1.2
8	Grille, 90x100 dia.*	0	-
9	Regulating valve 100x100x100 dia.	-	2.6
10	Flexible pipe, 90 dia., per m	3	0.8
11	Connecting socket, metal, 90 dia.	0	0
12	Outlet grill (rotatable) 90 dia.	-	1.4
13	Y-pipe 100x100x100 dia.	-	0.4
14	Reduction piece, 100 dia. - 74 dia.	6.1	-
15	Flexible pipe 75 dia. per m	-	2
-	Pipe bend, 90° of flex. pipe, 75 dia.	-	1.1
16	Outlet grill (rotatable) 75 dia.	-	-
17	Connector socket, 75 dia.	0	0
18	Connecting socket, metal, 75 dia.	-	-

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