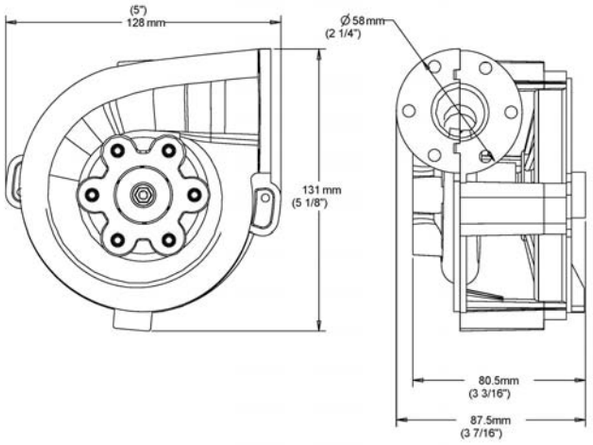
MODEL EWP80: ELECTRIC WATER PUMP PART No. 8005

The world's first universal fit, automotive Electric Water Pump. Suitable for engines up to 5 litres or 400HP max

Technical Specifications

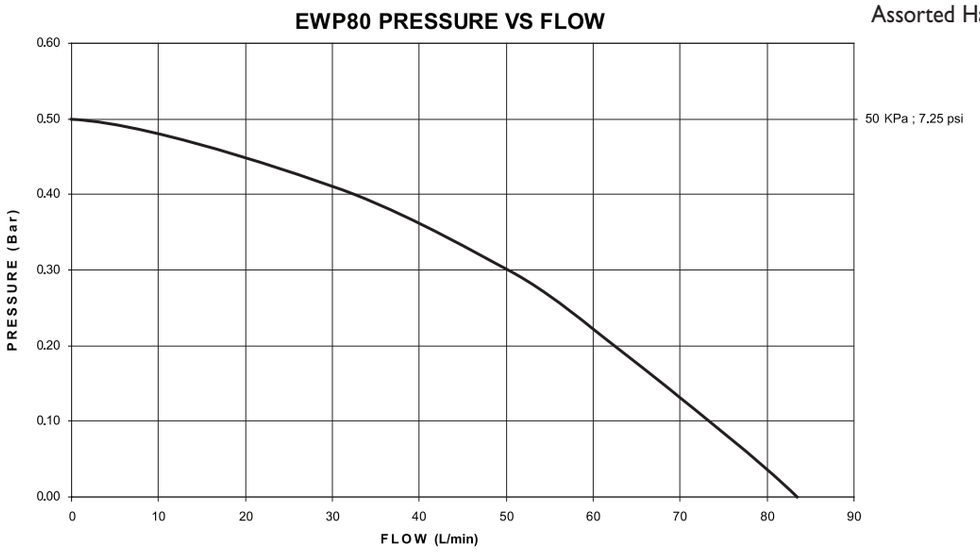
Operating Voltage	4V DC to 14.5V DC
Maximum Current	7.5 Amps
Flowrate (Max.) (@ 13.5V DC	80 L/min. (1300 US gal/hr)
Operating Temperature	-20 to 130 DegC
Pump Design	Clockwise Centrifugal
Motor Life	2000 hours at 80 DegC
Pump Weight	900 grams (2.0 lb)
Pump Material	Nylon 66, 30% Glass Filled
Max. Radiator Cap Pressure	200 Kpa (29 psi)
Seal	Ceramic Mech Face Seal
Fits Hose Sizes	32 to 51mm (11/4 to 2 ins)
Fuse Rating	10 Amp

Dimensional Specifications



Kit Contents

PART#	DESCRIPTION	QTY
8105	EWP80 Pump	1
8307	Straight Adaptor	1
8309	Elbow Adaptor	1
8509	O ring	2
8515	Wiring Harness	1
8510	Sleeve 3mm	2
8511	Sleeve 6mm	2
0533	Relay	1
8512	Hose Clamps	2
	Assorted Hardware	AR



The EWP is a recirculating Pump which is ideal for a 'closed system' similar to an automotive cooling system - it is not 'self priming'.

The world's most advanced
TOTAL ENGINE COOLING MANAGEMENT

EWP® ELECTRIC WATER PUMP

The EWP®115 Electric Water Pump

The EWP®115 is the latest in Davies, Craig's range of simple, DIY electric water pumps designed to replace or complement your existing belt-driven water pump.

Lighter and more powerful, the EWP®115 (115 litres per minute) pump is suitable for small, medium, large, high-performance and 4WD vehicles. It's a performance product that improves engine cooling control and capacity whilst giving you more power and torque and improved fuel economy.

Mechanical belt-driven water pumps run directly off the motor and sap engine power … the EWP®115 is hard-wired into your electrical system, by-passing the engine and releasing up to an additional 15kw (20hp).

Combined with the EWP® Electronic Digital Controller, the pump continues to run after you've switched off, eliminating "heat soak" and extending engine life.

Davies, Craig's revolutionary, Australian-designed EWP® pumps are made from anti-corrosive, lightweight, glass-filled nylon. Their universal fit allows for easy mounting into the top or bottom radiator hose.

Our kits come with easy-to-understand DIY instructions and everything you need for easy installation, including different couplings to fit every hose size and all necessary electrical wiring.

The EWP®115 is the most economical way to increase horsepower and save on fuel consumption whilst caring for your engine.

DAVIES, CRAIG PTY. LTD.

The EWP®115 will suit almost every vehicle

For assistance or advice, please contact Davies, Craig or visit www.daviescraig.com.au

Specifications Part #8025

EWP®115 115 litres/min

ELECTRIC WATER PUMP

- ✓ PERFORMANCE ENHANCING
- ✓ INCREASED COOLING CAPACITY!
- ✓ FUEL SAVING!
- ✓ INCREASED ENGINE POWER & TORQUE

The EWP®115 is a simple, do-it-yourself electric water pump designed to replace or complement your existing belt-driven mechanical water pump. It is easy to install in the bottom radiator hose.

Options for your EWP®115 control:

1. **To enhance performance of the EWP®115 we recommend the fitment of the Davies, Craig EWP Electronic Digital Controller (part #8020) – sold separately or available in a combination pack (part #8030).**

Use the Davies, Craig EWP Digital Controller for optimum temperature control. The EWP Digital Controller has a microprocessor which will supply the pump with the voltage that will run it at exactly the right flow rate to maintain the targeted engine temperature. You set the temperature you want on the Controller for maximum power or maximum fuel efficiency! The Controller will run the pump after a hot engine shut down, eliminating heat soak.

2. **With Davies, Craig Thermal Switch (part #0401) or Electronic Switch (part #0402):**

Combine the EWP®115, as an auxiliary pump to your existing belt-driven pump, with an adjustable on/off thermal switch to add a cooling boost when required to an overheating cooling system. With the thermal switch connected to the battery, the EWP®115 will run on after a hot engine shut down, eliminating heat soak.

3. **For Continuous Running:**

Wire the pump direct to the ignition for maximum cooling – suitable for race vehicles, very hot climates and chronically over-heating engines.

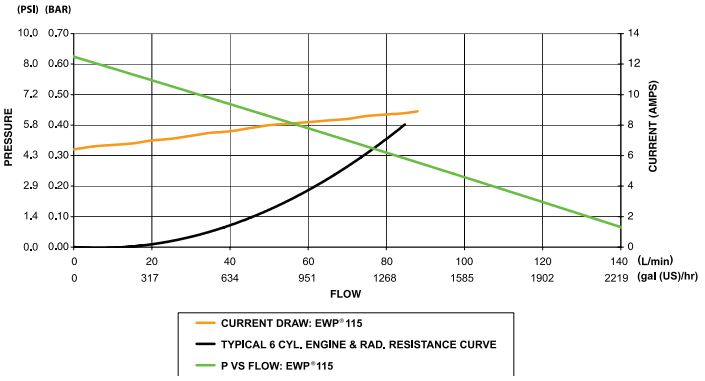
When using the EWP®115 on vehicles using LPG, it is recommended that a Davies, Craig Electronic Booster Pump (part #9001) be fitted in the heater line to eliminate the risk of freezing LPG in the converter.

Technical Specifications

EWP®115 Electric Water Pump

Operating voltage	3V DC to 15V DC
Maximum current	10A
Maximum flow	115 L/min, (1822 gal (US)/hr) at 13V DC
Operating temperature	-40°C to 130°C (-4°F to 284°F)
Pump design	Clockwise centrifugal with volute chamber
Motor life	3000 hours continuous at 80°C (180°F) and 12V DC; 7000 hours with an EWP® Digital Controller
Pump weight	980 grams (2.16lb)
Pump material	Nylon 66, 30% glass filled
Burst pressure	500 kPa (70 psi)
Fits radiator hose sizes	32mm to 51mm (1 1/4" to 2")

EWP®115 PRESSURE VS FLOW @ 13.0V ACTUAL



Your local stockist is

For more information, visit **www.daviescraig.com.au**

Designed and manufactured in Australia

28167 12/08

DAVIES, CRAIG PTY. LTD.

Quality Endorsed Company
Lic No. 4528
Manufactured under a Quality System certified as complying with ISO 9001 by an accredited certification body.

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Email: info@daviescraig.com.au Web: **www.daviescraig.com.au**

For overseas distributor details, please refer to Davies, Craig website.

TWO YEAR 2 WARRANTY

The world's most advanced
TOTAL ENGINE COOLING MANAGEMENT

EWP® ELECTRIC WATER PUMP

Part #8030

The EWP®115 Electric Water Pump and Electronic Digital Controller

The EWP®115 is the latest in Davies, Craig's range of simple, DIY electric water pumps designed to replace your existing belt-driven water pump.

Lighter and more powerful, the EWP®115 (115 litres per minute) pump is suitable for small, medium, large, high-performance and 4WD vehicles. It's a performance product that improves engine cooling control and capacity whilst giving you more power and torque and improved fuel economy.

Mechanical belt-driven water pumps run directly off the motor and sap engine power … the EWP®115 is hard-wired into your electrical system, by-passing the engine and releasing up to an additional 15kw (20hp).

Combined with the **EWP® Electronic Digital Controller,** the pump continues to run after you've switched off, eliminating "heat soak" and extending engine life.

Davies, Craig's revolutionary, Australian-designed EWP® pumps are made from anti-corrosive, lightweight, glass-filled nylon. Their universal fit allows for easy mounting into the bottom radiator hose.

Our kits come with easy-to-understand DIY instructions and everything you need for easy installation, including different couplings to fit every hose size and all necessary electrical wiring.

The EWP®115 and EWP® Digital Controller Combination Pack is the most economical way to increase horsepower and save on fuel consumption whilst caring for your engine.

DAVIES, CRAIG PTY. LTD.

The EWP®115 & Digital Controller will suit almost every vehicle

For assistance or advice, please contact Davies, Craig or visit www.daviescraig.com.au

Specifications Part #8030

EWP® ELECTRIC WATER PUMP

- ✓ PERFORMANCE ENHANCING
- ✓ INCREASED COOLING CAPACITY!
- ✓ FUEL SAVING!
- ✓ INCREASED ENGINE POWER & TORQUE

and EWP® DIGITAL CONTROLLER VALUE COMBINATION PACK

The EWP®115 Electric Water Pump and EWP® Digital Controller – a simple, do-it-yourself, easy-to-install Electric Water Pump/Digital Controller Combination Pack designed to replace your existing belt-driven mechanical water pump.

1. The fitment of the EWP® Digital Controller with the EWP®115 is designed for optimum engine temperature control. The EWP® Digital Controller will vary the speed of the EWP®115 in response to the engine temperature.
2. The EWP® Digital Controller has a microprocessor which supplies the pump with the prescribed voltage that will run it at exactly the right flow rate to maintain the targeted engine temperature. You set the temperature you want on the Digital Controller for either maximum power or fuel efficiency!
3. The EWP®115, when fitted with the EWP® Digital Electronic Controller, is designed to run on for two minutes (or Set -5°C) after hot engine shut down, eliminating heat soak.
4. The EWP®115 and Digital Electronic Controller Combination Pack fitment requires the removal of the engine thermostat and disengagement of the mechanical water pump.
5. Alternatively you may choose to bypass the water pump pulley from the belt set-up, using a shorter belt.
6. Full, easy do-it-yourself fitting and operating instructions for both units are included.

When using the EWP®115 on vehicles using LPG, it is recommended that a Davies, Craig Electronic Booster Pump (part #9001) be fitted in the heater line to eliminate the risk of freezing LPG in the converter.

Technical Specifications

EWP®115 Electric Water Pump

Operating voltage	3V DC to 15V DC
Maximum current	10A
Maximum flow	115 L/min, (1822 gal (US)/hr) at 13V DC
Operating temperature	-40°C to 130°C (-4°F to 284°F)
Pump design	Clockwise centrifugal with volute chamber
Motor life	7000 hours continuous at 80°C (180°F) and 12V DC
Pump weight	980 grams (2.16lb)
Pump material	Nylon 66, 30% glass filled
Burst pressure	500 kPa (70 psi)
Fits radiator hose sizes	32mm to 51mm (1 1/4" to 2")

EWP®115 Digital Electronic Controller

Input voltage	12V DC to 13.5V DC
Operating voltage	5V to 13.5V
Maximum current	12A
Operating temperature	-20°C to 60°C (5°F to 140°F)
Setting temperatures	75°, 80°, 85°, 90°, 95°C (167°, 176°, 185°, 194°, 203°F)
Controller type	PCB with micro processor
Sensor type	Thermister in waterproof housing
Time out	2 minutes (or Set -5°C) after ignition OFF
Indicator LEDs	Temp, Power ON, Pump mode, Test
Weight	90 grams (3.2oz)

Your local stockist is

For more information, visit **www.daviescraig.com.au**

Designed and manufactured in Australia

28194 12/08

DAVIES, CRAIG PTY. LTD.

Quality System
Quality Endorsed Company
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TWO YEAR 2 WARRANTY

For overseas distributor details, please refer to Davies, Craig website.

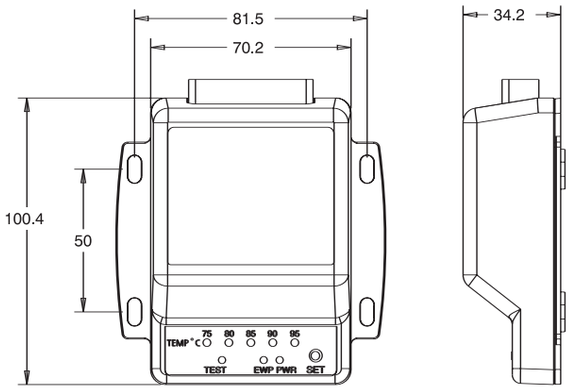
DIGITAL EWP CONTROLLER Part No. 8020

For Optimum control of Electric Water Pumps
Suits Davies, Craig EWP80, EWP110 & EBP

Technical Specifications

Input Voltage	12V DC to 13.5V DC
Output Voltage	5V to 13.5V
Maximum Current	12.0 Amps
Operating Temperatures	75, 80, 85, 90, 95 DegC
Controller Type	PCB with micro-processor
Sensor Type	Thermister in housing
Time-out	2 min. max or set -5 DegC
Indicator LEDs	Temp., Power, Pump, Test
Weight	90 grams (3.2 oz.)
Dimensions (mm)	101 (l) x 95 (w) x 35 (d)

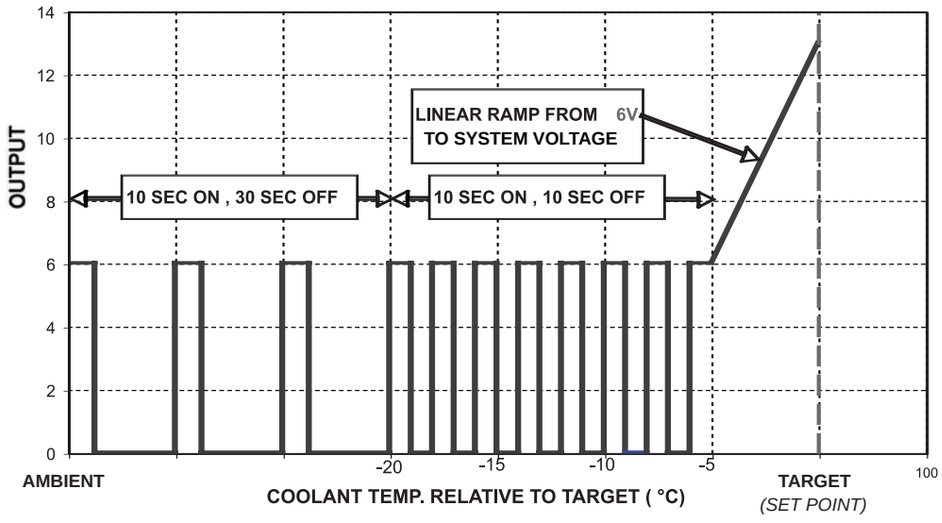
Dimensional Specifications



Kit Contents

PART#	DESCRIPTION	QTY
8120	Digital Controller	1
8920	Instructions	1
8411	Wiring Harness	1
8410	In-line Adaptor	1
8510	Sleeve 3mm	2
8512	Hose Clamps	2
8414	Thermal Sensor	1
	Assorted Hardware	AR

EWP DIGITAL CONTROLLER OPERATION



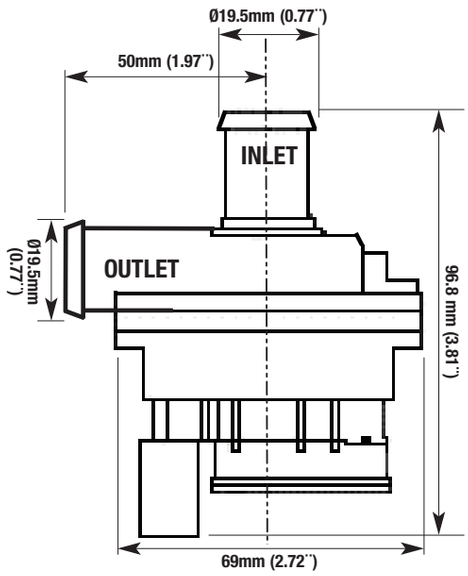
MODEL EBP ELECTRIC BOOSTER PUMP Part No. 9001

A high performance brushless motor, magnetic drive pump
Compact and versatile 12v pump for a range of applications

Technical Specifications

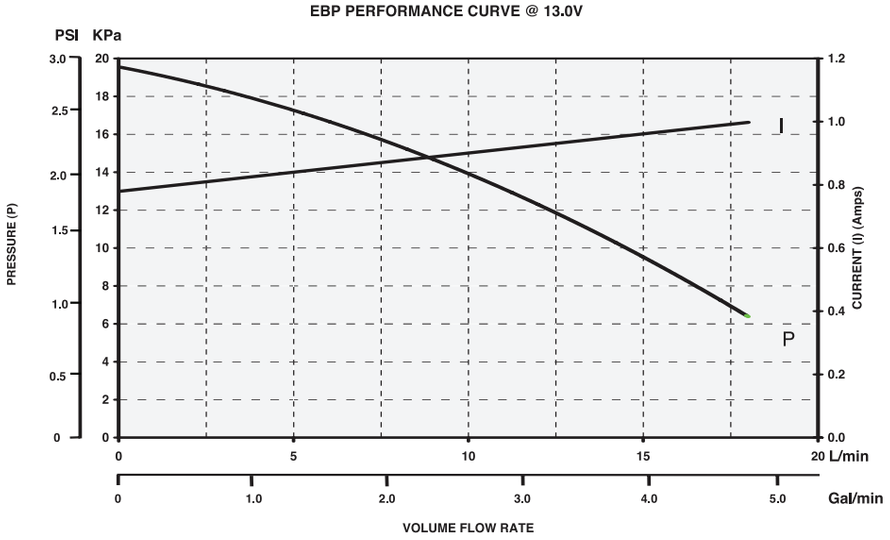
Motor	12V Brushless
Operating Voltage	9V DC to 15V DC
Maximum Current	1.3 Amps
Flowrate @ 10 kpa	15 L/min. (4 US gal/min)
Operating Temperature	-40 to 120 DegC
Pump Design	Recirculating Centrifugal
Motor Life	15000 hours at 80 DegC
Pump Weight	245 grams (0.54 lb)
Pump Material	Nylon 66, 30% Glass Filled
Burst Pressure	250 Kpa (36psi) Min.
Fits Hose Sizes	19mm (3/4 ins)

Dimensional Specifications



Kit Contents

PART#	DESCRIPTION	QTY
9012	Electric Booster Pump	1
9020	Adaptor 19 x 15 x 12.5	2
9511	Hose Clamps	2
9516	Wiring Harness	1
9510	Hose	2
9901	Fitting Instructions	1



The EWP is a recirculating Pump which is ideal for a 'closed system' similar to an automotive cooling system - it is not 'self priming'

Davies Craig Cooling Technology

Transmission Cooler

Thermatic Fans

Electric Water Pumps

Fan Clutches

DC Motors

Thermo Switches

DAVIES, CRAIG PTY. LTD.

INNOVATION - QUALITY - RANGE

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Local stockist