Transmission Oil Coolers

Ultra-Cool® Hydra-Cool®

Power Steering Oil Cooler

DAVIES, CRAIG

World's best auto cooling

Transmission Oil Coolers

Ultra-Cool® & Hydra-Cool®

Because of the tremendous heat generated in an automatic transmission, an auxiliary transmission oil cooler is an economical way to help protect against costly transmission repairs.

Automatic transmission fluid (ATF) cools, lubricates and cleans internal transmission components. When transmission temperatures exceed 93°C (200°F), the ability of ATF to perform is greatly diminished.

Subsequently, the life span of the fluid, seals and moving parts are significantly reduced. Higher internal temperatures also increase the wear rate of the friction and clutch plates.

Davies, Craig transmission oil coolers can reduce the ATF's temperature by as much as 33°C (60°F). A reduction of just 11°C (20°F) can double the life of an automatic transmission, the fluid and all internal parts.

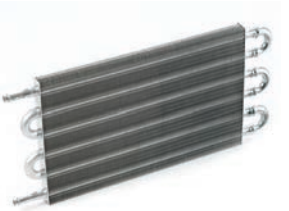
Excessive transmission heat is caused by the following driving conditions:

- Towing
- Climbing
- Stop-and-go traffic
- Carrying loads
- Hot driving conditions
- Driving in sand or snow

Two types of Transmission Oil Coolers

ULTRA-COOL® tube and fin style

The Hydra-Cool transmission oil cooler is an effective and economical way to keep the transmission at its optimum operating temperature. High-efficiency turbulators in each tube direct the fluid for superior heat transfer.



Hydra-Cool's unique plate and fin design allows for effective cooling, yet requires 33% less space. The Hydra-Cool's compact design is perfect for applications where available mounting space is limited.

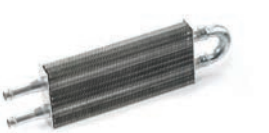
HYDRA-COOL® plate and fin style

All Davies, Craig transmission oil coolers are 100% pressure tested to ensure the reliability and durability of the product. Both Ultra-Cool and Hydra-Cool come complete with the necessary accessories and instructions for quick and easy installation.

When replacing a Transmission Oil Cooler or Power Steering Cooler, you will need to fit new nylon ties.

Power Steering Oil Cooler

A power steering oil cooler removes destructive heat generated within a power steering system, especially in vehicles with large tyres such as performance vehicles, off-road vehicles and vehicles used for towing or carrying heavy loads. A reduction of just 11°C (20°F) can double the life of power steering, the fluid and all internal parts.



Thermatic Fans

In 1971, belt-driven fans were the only option for automotive cooling. Searching for a more efficient method, Australian engineers Daryl Davies and Bill Craig created the Thermatic® / Electric Fan. Davies, Craig was formed to manufacture the new electric fans, and has since developed a comprehensive range, covering most makes of vehicles. Its innovation in electric cooling has now become a standard feature on most of the world's new cars.

A Davies, Craig Fan is suitable for both condenser and radiator cooling and provides constant air flow, increased fuel economy, better air conditioning performance, cooler engine running, and increased engine power. Our fans are fully reversible blades and polarity for mounting either side of the heat exchanger. (Except 11" & 14" Brushless Fans)

Transmission Oil Cooler Selection

Universal Kits - Model Selection Guide

			APPLICATION	
Vehicle Type	**Year of Manufacture**	**Engine Capacity**	**Medium Duty Part #**	**Heavy Duty Part #**
Sedan / Wagon	Up to 1990*	Up to 2.0 litre	401	403
		2.0 - 4.0 litre	403	404
		4.0 litre and over	404	676 or 677
Commercial	Up to 1990*	Up to 2.0 litre	401	403
		2.0 - 4.0 litre	404	676 or 677
		4.0 litre and over	678 or 679 or 691 or 698	678 or 679 or 691 or 698
Sedan / Wagon	1990 to Present	Up to 2.0 litre	676	677
		2.0 - 4.0 litre	677	678 or 679 or 691 or 698
		4.0 litre and over	678 or 679 or 691 or 698	678 or 679 or 691 or 698
Light Commercial *(12 Volt circuit, Automatic Trans.)*	1990 to Present	Up to 2.0 litre	676	677 or 678
		2.0 - 4.0 litre	677	678 or 679 or 691 or 698
		4.0 litre and over	678 or 679 or 691 or 698	678 or 679 or 691 or 698
Light Commercial *(24 Volt circuit, Automatic Trans.)*		Up to 2.0 litre	699 or 692	699 or 692
		2.0 - 4.0 litre	699 or 692	692
		4.0 litre and over	692	692
V8s & 4WDs	1990 to Present	Up to 2.0 litre	676	677
		2.0 - 4.0 litre	678 or 679 or 691 or 698	678 or 679 or 691 or 698
		4.0 litre and over	678 or 679 or 691 or 698	678 or 679 or 691 or 698
Ford EA-ED	all models	6 cyl.	677	677
Ford EA-ED	all models	V8	678	678
GM-Holden	all models	6 cyl. & V8	Select Part # as above plus #1005	Select Part # as above plus #1005

*Note: **Hydra-Cool** Transmission Coolers are suitable for all vehicles.
Ultra-Cool Transmission Coolers are only recommended for vehicles manufactured prior to 1990.
#1005 is an Adaptor Kit to suit 5/16" (8mm) inlet/outlet tube for GM transmissions

Power Steering Oil Cooler

Power Steering Selection Guide

Vehicle Type	PART #
All vehicles with 3/8" (9.5mm) Inlet/Outlet tube	1009

WARRANTY STATEMENT

TRANSMISSION OIL COOLERS & POWER STEERING OIL COOLER

We hereby guarantee that for a period of two years from the date of purchase or 40,000km (whichever comes first) we shall carry out free of cost any repairs/replacements to the transmission oil cooler provided that such a fault is directly attributable to a defect in the workmanship or materials used in the manufacture of the transmission oil cooler. Labour and consequential costs excluded.

DAVIES, CRAIG
World's best auto cooling

Transmission Oil Coolers

Hydra-Cool®

Hydra-Cool® Transmission Oil Cooler

Features:

- 100% pressure tested at 150psi for quality assurance
- 33% more efficient than a comparable tube and fin design
- Pre-drilled mounting plates for easy installation
- Six sizes available to fit a wider range of applications
- Internal turbulation for efficient heat transfer
- 3/8" (9.5 mm) push-on fittings for quick and easy installation.
- Comprehensive fitting instructions

Specifications		OVERALL		CORE					
PART #	THICKNESS mm	WIDTH mm	HEIGHT mm	WIDTH mm	HEIGHT mm	INLET/OUTLET SIZE	CORE PART #	No. OF PLATES	HEAT TRANSFER RATE (BTU/hr)
623	20	281	229	247	200	3/8" (9.5 mm)	10861	23	13,937
676	20	281	141	281	112	3/8" (9.5 mm)	10856	12	11,987
677	20	281	180	281	152	3/8" (9.5 mm)	10859	17	13,394
678 / 698	20	281	213	281	184	3/8" (9.5 mm)	10853	21	13,934
679 / 691	20	281	300	281	265	3/8" (9.5 mm)	10854	30	15,710
1005	**5/16" (8 mm) Adaptor Kit** to suit GM transmissions (sold separately)								

Transmission Oil Coolers

Ultra-Cool®

Ultra-Cool® Transmission Oil Coolers

Features:

- Ultrasonically soldered for reliability
- 100% pressure tested at 150psi for quality assurance
- High-efficiency turbulators in every tube for maximum heat dissipation
- 3/8" push-on fittings for quick and easy installation
- Comprehensive fitting instructions

Specifications		OVERALL		CORE			
PART#	THICKNESS mm	WIDTH mm	HEIGHT mm	WIDTH mm	HEIGHT mm	INLET/OUTLET SIZE	HEAT TRANSFER RATE (BTU/hr)
401	20	319	127	224	127	3/8" (9.5 mm)	9,000
403	20	316	191	224	191	3/8" (9.5 mm)	10,800
404	20	403	191	310	191	3/8" (9.5 mm)	12,000
1005	**5/16" (8 mm) Adaptor Kit** to suit GM transmissions (sold separately)						

Transmission Oil Cooler Kits

Hydra-Cool®

30-plate Hydra-Cool® Transmission Oil Cooler/Fan Combo Kit

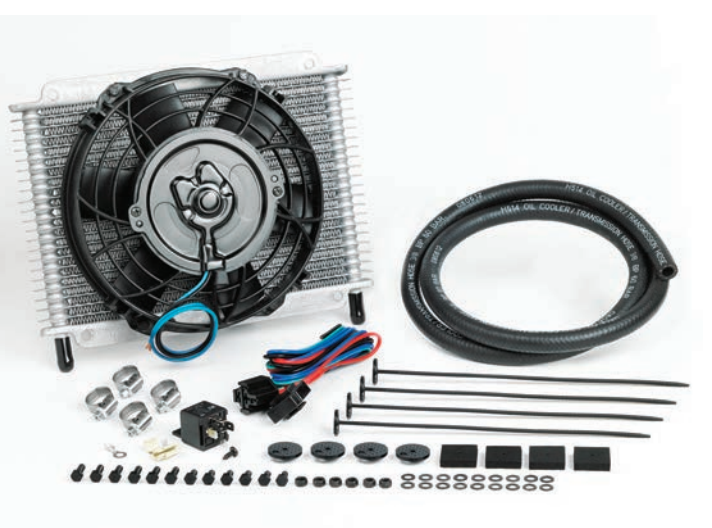
Kit features:

- 100% pressure tested at 150psi for quality assurance
- 33% more efficient than a comparable tube and fin design
- 10” Fan Kit
- 12 or 24 Volt model options
- Pre-drilled mounting plates for easy installation
- Internal turbulation for efficient heat transfer
- 3/8” (9.5 mm) push-on fittings for easy installation.
- Comprehensive fitting instructions

Specifications

		OVERALL		CORE						
PART #	VOLTS	THICKNESS mm	WIDTH mm	HEIGHT mm	WIDTH mm	HEIGHT mm	INLET/OUTLET SIZE	CORE PART #	# OF PLATES	HEAT TRANSFER RATE (BTU/hr)
691	12 V	20	281	300	281	265	3/8” (9.5 mm)	0854	30	15,710
692	24 V	20	281	300	281	265	3/8” (9.5 mm)	0854	30	15,710
1005	**5/16” (8 mm) Adaptor Kit** to suit GM transmissions (sold separately)									

21-plate Hydra-Cool® Transmission Oil Cooler/Fan Combo Kit



Kit features:

- 100% pressure tested at 150psi for quality assurance
- 33% more efficient than a comparable tube and fin design
- 8” Thermatic Fan
- 12 or 24 Volt model options
- Pre-drilled mounting plates for easy installation
- Internal turbulation for efficient heat transfer
- 3/8” (9.5 mm) push-on fittings for easy installation.
- Comprehensive fitting instructions

Specifications

			OVERALL		CORE					
PART #	VOLTS	THICKNESS mm	WIDTH mm	HEIGHT mm	WIDTH mm	HEIGHT mm	INLET/OUTLET SIZE	CORE PART #	No. OF PLATES	HEAT TRANSFER RATE (BTU/hr
698	12 V	20	281	141	281	184	3/8” (9.5 mm)	10853	21	13,934
699	24 V	20	281	141	281	184	3/8” (9.5 mm)	10853	21	13,934
1005	**5/16” (8 mm) Adaptor Kit** to suit GM transmissions (sold separately)									

Power Steering Oil Cooler

Power Steering Oil Cooler

When replacing a Power Steering Cooler, you will need to fit new nylon ties. Use only the Davies, Craig "Quick Fit Kit" – Part #0579 (refer "Accessories").

Note: Power Steering Transmission Coolers are suitable for all vehicles, please refer to Application chart.

Specifications		OVERALL		CORE			
PART#	THICKNESS mm	WIDTH mm	HEIGHT mm	WIDTH mm	HEIGHT mm	APPLICATION	HEAT TRANSFER RATE (BTU/hr)
1009	19	226	64	148	64	Vehicles with 3/8" (9.5 mm) inlet and outlet	4,000

Accessories

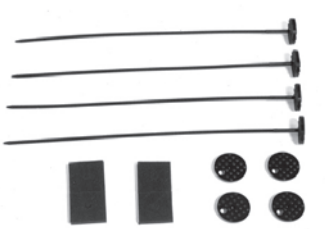
5/16" (8 mm) Adaptor Kit

Kit contains everything you need fit our Transmission Oil Cooler to a General Motors Automatic Transmissions.

PART #	DESCRIPTION
1005	5/16" (8 mm) Adaptor Kit to suit GM Transmissions

Quick Fit Kit

When replacing a Transmission Oil Cooler or Power Steering Cooler, you will need to fit new nylon ties.



PART #	DESCRIPTION
0579	Quick Fit Kit suits Fans and core mounting.

Digital Thermatic® Fan Switch

The Digital Thermatic® Fan Switch can sense air or coolant temperature to automatically activate the Thermatic® Fans at your set/targeted temperature when extra cooling is needed.

PART #	VOLTAGE	DESCRIPTION
0444	12 & 24	Digital Thermatic® Fan Switch

Premium Digital Thermatic® Switch

The Premium Digital Thermatic® Switch automatically activates single or twin fans at your set/targeted temperature when extra cooling is required.

PART #	VOLTAGE	DESCRIPTION
0455	12 & 24	Digital Thermatic® Fan Switch

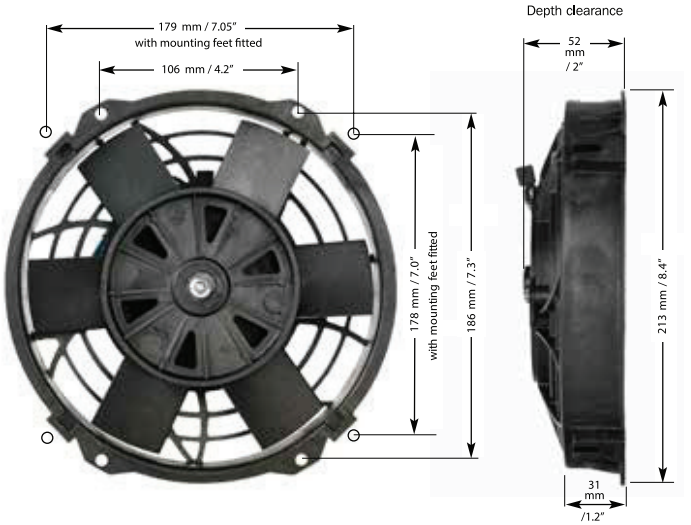
8” Thermatic Fan

8” Thermatic Fan

Davies Craig Thermatic® Fan is suitable for condenser and radiator cooling.

All Davies Craig Thermatic® Fans are packaged with fan assembly (motor, fan blade, shroud) and mounting feet.

Dimensions



Specifications

Airflow: 400 CFM (ft3/min)

Maximum Current : 5.0A (12 Volt) | 2.4A (24 Volt)

Weight : 0.88 kg (1.94 lb)

12 Volt	Part #	Description
	0135	8” Thermatic® Fan

24 Volt	Part #	Description
	0136	8” Thermatic® Fan

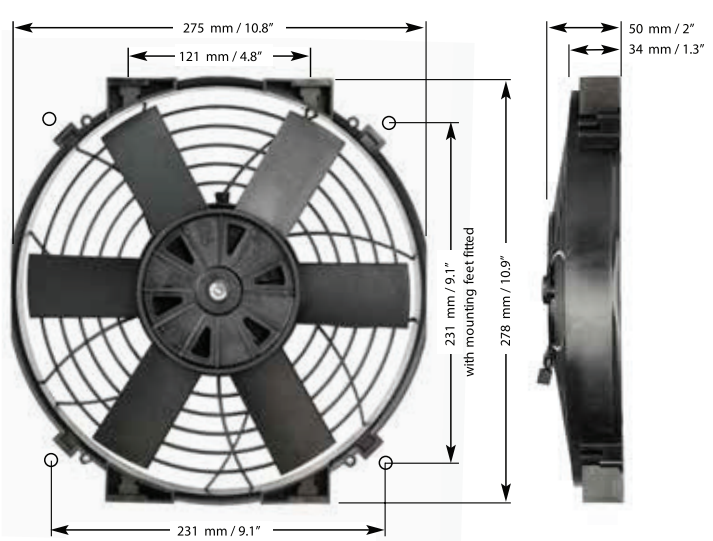
10” Slimline Thermatic Fan

10” Slimeline Thermatic Fan

Davies Craig Thermatic® Fan is suitable for condenser and radiator cooling.

All Davies Craig Thermatic® Fans are packaged with fan assembly (motor, fan blade, shroud) and mounting feet.

Dimensions



Specifications

Airflow: 696 CFM (ft3/min)

Maximum Current: 7.0A (12 Volt) | 3.5A (24 Volt)

Weight: 1.13 kg (2.5 lb)

12 Volt	Part #	Description
	0147	10” Slimline Thermatic® Fan

24 Volt	Part #	Description
	0148	10” Slimline Thermatic® Fan

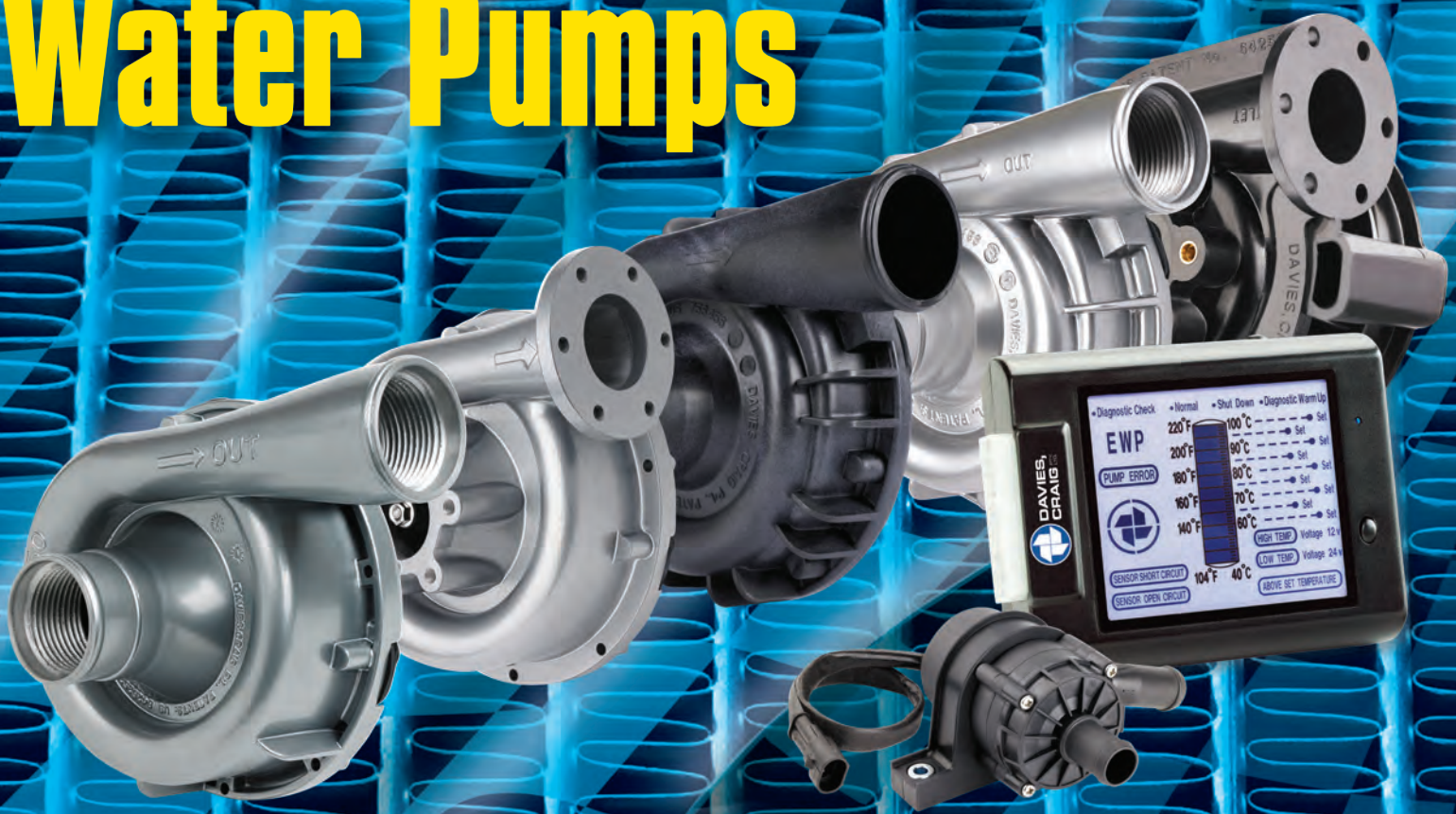
DAVIES, CRAIG PTY. LTD.

INNOVATION - QUALITY - RANGE

EWP® ELECTRIC WATER PUMP

Replaces belt-driven water pumps

Electric Water Pumps



Electric Booster Pumps
Digital Controller
EWP® Header Adaptor Kits
Thermatic® Switches
Low Coolant Alarm

2 YEAR WARRANTY

Australian Made

ELECTRIC WATER PUMP

Replaces belt-driven water pumps

Product Selection Guide

Application	Pump Model	Pump Kit		Pump Combo		Controller / Switch	
		Part # 12 V	Part # 24 V	Part# 12 V	Part # 24 V	Part # 12 V	Part # 24 V
Motorbike up to 500cc (Standard)	**EBP®15**	9001				0444 or 0455	
Motorbike 500cc - 1000cc (Std)	**EBP®23**	9050				0444 or 0455	
Motorbike 1000cc - 2000cc (Std)	**EBP®25**	9005				0444 or 0455	
Vehicle Heater System (Standard)	**EBP®23**	9050				0444 or 0455	
LPG (Butane) System (Standard)	**EBP®23**	9050				0444 or 0455	
Intercooler (depending on capacity)	**EBP®23**	9050					
	EBP®25	9005					
	EBP®40	9040	9041			0444 or 0455	0444 or 0455
	EWP®80	8005		8807			
Engines up to 2.0L (Standard)	**EWP®80**	8005		8807		8000	8000
Engines up to 2.0L - 3.5L (Standard)	**EWP®115**	8025 or 8040	8026 or 8041	8830 or 8850	8831 or 8851	8000	8000
Engines up to 3.5L - 5.0L (Standard)	**EWP®130**	8080	8081	8890	8891	8000	8000
Engines 5.0L or greater (Standard)	**EWP®150**	8060	8061	8870	8871	8000	8000
Modified Engines Supercharged/Turbo	**EWP®150**	8060	8061	8870	8871	8000	8000
Drag Racing, Drifting & Speedway	**EWP®150**	8060	8061	8870	8871	8000	8000
Off Road / 4WDs	**EWP®130**	8080	8081	8890	8891	8000	8000
Solar Hot Water Systems (depending on size)	**EBP®15**	9001				0444 or 0455	
	EBP®23	9050				0444 or 0455	
	EBP®25	9005				0444 or 0455	
	EBP®40	9040	9041			0444 or 0455	0444 or 0455

ELECTRIC BOOSTER PUMP

Pump Summary

Pump Model			At a glance				
			Operating Volage	Max. Current	Max Flow Rate	Opertating Temperature	
EWP®150		12 Volt (#8060)	3 V - 15 V DC	10 Amps	150 L/min 39.63 US gal/min	-40° - 130° C -40° - 266° F	
		24 Volt (#8061)	20 V - 27 V DC	5.5 Amps	150 L/min 39.63 US gal/min	-40° - 130° C -40° - 266° F	
EWP®130		12 Volt (#8080)	3 V - 15 V DC	10 Amps	130 L/min 34.34 US gal/min	-40° - 130° C -40° - 266° F	
		24 Volt (#8081)	20 V - 27 V DC	5,5 Amps	130 L/min 34.34 US gal/min	-40° - 130° C -40° - 266° F	
EWP®115 Alloy or Nylon	ALLOY	12 Volt (#8040)	3 V - 15 V DC	10 Amps	115 L/min 30.38 US gal/min	-40° - 130° C -40° - 266° F	
		24 Volt (#8041)	20 V - 27 V DC	5.5 Amps	115 L/min 30.38 US gal/min	-40° - 130° C -40° - 266° F	
	NYLON	12 Volt (#8025)	3 V - 15 V DC	10 Amps	115 L/min 30.38 US gal/min	-40° - 130° C -40° - 266° F	
		24 Volt (#8026)	20 V - 27 V DC	5.5 Amps	115 L/min 30.38 US gal/min	-40° - 130° C -40° - 266° F	
EWP®80		12 Volt (#8005)	3 V - 15 V DC	7.5 Amps	80 L/min 21.13 US gal/min	-40° - 130° C -40° - 266° F	
EBP®40		12 Volt (#9040)	9 V - 15 V DC	4.6 Amps	40 L/min 10.5 US gal/min	-40° - 120° C -40° - 248° F	
		24 Volt (#9041)	20 V - 27 DC	2.5 Amps	40 L/min 10.5 US gal/min	-40° - 120° C -40° - 248° F	
EBP®25		12 Volt (#9005)	9 V - 15 V DC	3.5 Amps	25 L/min 6.6 US gal/min	-40° - 120° C -40° - 248° F	
EBP®23		12 Volt (#9050)	9 V - 15 V DC	1.3 Amp	23 L/min 6 US gal/min	-40° - 120° C -40° - 248° F	
EBP®15		12 Volt (#9001)	9 V - 15 V DC	1.3 Amp	15 L/min 4 US gal/min	-40° - 120° C -40° - 248° F	

EWP® ELECTRIC WATER PUMP

Replaces belt-driven water pumps

The revolutionary range of Davies, Craig's patented Electric Water Pumps are unique performance enhancement accessories suitable for most makes of 12V and 24V engines.

There are four models available:

- EWP®80 – 80 litres [21.13 US gal] per minute: suitable for engines up to 2.0L (2000cc)
- EWP®115 – 115 litres [30.38 US gal] per minute: for engines 2.0L to 3.5L (2000cc to 3500cc)
- EWP®130 – 130 litres [34.34 US gal] per minute: recommended as a replacement for the EWP®80 and for engines 3.5L to 5.0L (3500cc to 5000cc) and 4WDs
- EWP®150 – 150 litres [39.63 US gal] per minute: to satisfy those larger and higher horsepower, turbocharged, supercharged and 'worked' engines which develop excessive heat that must be tamed!

The EWP® is designed to replace a vehicle's existing mechanical belt-driven water pump. All models are simple, fit-it-yourself electric water pumps – lightweight, compact, more powerful design suitable for small, medium, large, plus high-performance cars and 4WD vehicles. The EWPs are vital performance enhancement products that improve engine cooling management while giving more power and torque and evenly dissipating heat soak.

All deliver 3% to 5% improved fuel economy while lowering environmental impact by reducing emissions.

The EWPs are ideal as a 'booster' for your current mechanical pump within your existing cooling system.

EWP®150, EWP®130,

EWP®115 (Alloy and Nylon) and EWP®80

Options for pump control

1. Use in conjunction with LCD EWP®/Fan Digital Controller

   The Digital Controller has a micro-processer which will run the EWP® at exactly the right flow rate maintaining your set, targeted engine temperature.

2. Use in conjunction with a Thermatic® Switch Combine the EWP® with an adjustable Thermatic® Switch to add a cooling boost to an overheating mechanical pump cooling system.

3. Continuous Running

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

   Electric Water Pump Kits are supplied with everything you need for DIY installation, including easy-to-understand instructions.

4. The LCD EWP®/Fan Digital Controller is supplied in "Combo Kits" or can be purchased separately.

5. Thermatic® Switches are sold separately

The many benefits of the EWP® include:

- increased power and torque
- increased cooling capability
- eliminating heat soak
- better control of engine temperature
- flexible options for pump control.

EBP ELECTRIC BOOSTER PUMP

There are four Electric Booster Pumps (EBP®) to choose to suit your specific requirements.

EBPs are robustly constructed brushless, high-flow, magnetically-driven booster pumps. The EBP® series of brushless motor-powered booster pumps have fewer moving parts and the impellor floats in the liquid being pumped! The booster pump's internal chamber is hermetically sealed for trouble-free operation and long life.

Our EBP® are lightweight, robust, fully-sealed units. Installation can be carried out with ease. Low-current draw, high-flow capacity and long life make these EBP® ideal for a range of automotive, motorcycle, intercooler, marine and solar applications to name a few.

The EBP® kits (part #9001 and #9050) includes the EBP®15 and all accessories needed to fit it to the engine's heater hose to boost coolant flow, including easy to understand, do-it-yourself fitting instructions.

EBP®40 is available in 12V (#9040) and 24V (#9041) which includes the wiring loom and mounting bracket.

EBP®25 is available as a Kit, (#9005) which includes the wiring loom; "Short" (#9105) includes the pump only.

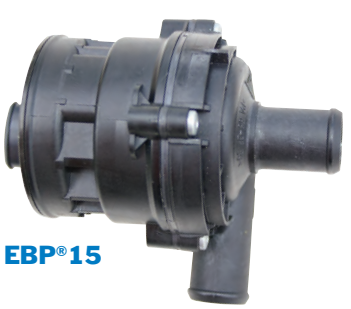
EBP®23 is available as a Kit (#9050), "Short" (#9051) which includes the wiring loom and mounting bracket.

EBP®15 is available as a Kit (#9001), "Short" (#9002).

EBP®40

EBP®25

EBP®23



EBP®15

The many EBP® applications include:

- booster for car heater and LPG systems
- solar and marine applications
- water-cooled motorcycle and go-kart engines
- turbo air/water intercoolers
- caravans and motor homes
- household irrigation.

EWP® Header Adaptor Kits

EWP® Header-Adaptor Kits are simply designed to complement the fitment of your EWP® Combo Kit.

If you've purchased an EWP® Combo Kit, then you will have an LCD EWP®/Fan Digital Controller with a built-in switch that will thermatically control the new electric Thermatic® Fan in unison with your new EWP®.

Simple, easy-to-follow installation instructions are supplied to ensure the Davies, Craig EWP® Electric Water Pump Combo and Header Adaptor Kit are assembled, mounted and perform in accordance with the product's design.

LS Series
(Part #8650) shown

EWP® ELECTRIC WATER PUMP
Replaces belt-driven water pumps

LCD EWP® / Fan Digital Controller

12 Volt & 24 Volt

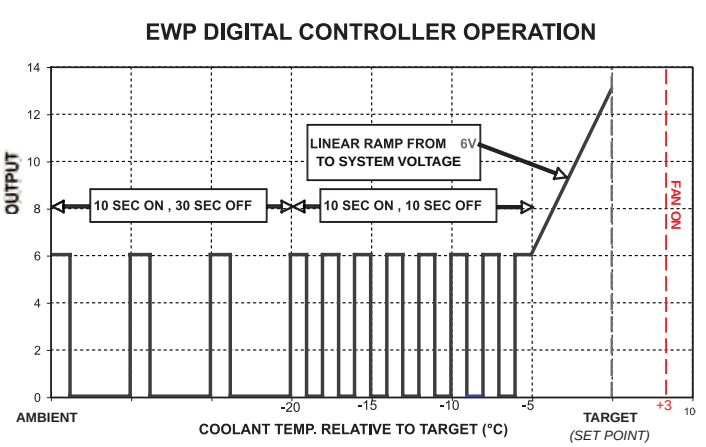
For optimum control of Davies, Craig 12 Volt and 24 Volt Electric Water Pumps.

Suits EWP®80, EWP®115, EWP®130, EWP®150 and Thermatic® Fans.

The LCD EWP®/Fan Digital Controller has two specific functions.

This unique Digital Controller will manage the operation of the EWP® by varying the speed of the pump in response to the coolant temperature and manage control of your electric engine fan.

2 YEAR WARRANTY



The Controller has a push-button to lock in any one of the nine targeted/set temperatures. It's highly recommended you set/target the Controller to closely match your engine's existing thermostat temperature.

Generally, higher engine temperature will offer improved fuel efficiency and lower engine temperature more power. The Digital Controller will operate the engine's electric fan automatically once the engine has reached 3°C (5.4°F) above the targeted (set) temperature. Another significant benefit is that the Controller allows the EWP® to run on after ignition shutdown to eliminate heat soak.

Technical Specifications

Voltage range	12V DC to 29V DC		
Display LCD size	110mm (4.33") x 80mm (3.14")		
Maximum current	12A		
Warning alarm	High & low Temp., Above set temp., Sensor short circuit, Pump error, High & low voltage and Sensor open circuit		
Targeted (set) temperatures	60°C (140°F)	65°C (150°F)	70°C (160°F)
	75°C (165°F)	80°C (175°F)	85°C (185°F)
	90°C (195°F)	95°C (205°F)	100°C (212°F)
Fan cut-in temp.	3°C (5.4°F) above the targeted (set) temperature		
Controller type	PCB with micro-processor		
Sensor type	Thermister in housing		
Overrun/ shutdown	10°C (14°F) below set/target temperature or 3 minutes		
Indicators	Temperature, power, EWP, test, fan, high & low temp, voltage, above set temperature (with alarm)		
Weight	100 grams (3.5 oz)		
Dimensions	95mm (l) x 130mm (w) x 25mm (d) (3.7") (5.1") (1")		

Kit Contents

Part #	Description	Qty
18000	LCD EWP®/Fan Digital Controller (only)	1
	Installation instructions	1
8411	Wiring harness	1
10415	In-line temperature sensor adaptor	1
8510	Rubber adaptor sleeve - 3mm (⅛")	2
8512	Hose clamp	2
8415	Sensor - Coolant temp. ¼" NPT	1
	Assorted hardware	

EWP® 150 Alloy/Digital Controller Combo

12V - Part # 8870
24V - Part # 8871

EWP®150 Alloy/Digital Controller Combo

150 Litres per minute

12 & 24 Volt

Muscle up your engine cooling system with the Davies Craig EWP® 150 alloy Electric Water Pump and the LCD EWP®/Fan Digital Controller.

Like all EWPs, this advanced unit is designed for remote mounting in the engine bay to satisfy those higher horsepower, turbocharged, supercharged and 'worked' engines which develop excessive heat.

The compact EWP®150 alloy unit is manufactured with AN-16 internal inlet and outlet threads for neat, tight screw-in fitting applications.

This rugged alloy hi-flow electric water pump is designed to complement or replace the engine's existing mechanical water pump. This essential performance accessory increases power to your vehicle's drive wheels and improves coolant temperature control.

EWP 150

The EWP®150 is a universal, do-it-yourself, easy installation fitment to engines up to seven litres.

By removing the parasitic power losses of belt-driven water pumps, the EWP®150 releases up to 10kW (13hp) of extra power, increased torque and fuel savings.

Combine it with the LCD EWP®/Fan Digital Controller and the pump continues to run after you've switched off, eliminating "heat soak" and extending engine life.

The EWP®150 and LCD EWP®/Fan Digital Controller Combo Kit is the most economical way to increase horsepower and save on fuel consumption whilst caring for your engine.

A Davies, Craig EWP® header adaptor kit can replace the mechanical water pump completely.

Muscle up cooling your engine

- ✓ **universal fit**
- ✓ **more power**
- ✓ **more cooling**
- ✓ **increase fuel efficiency**
- ✓ **extend engine life**
- ✓ **world-leading technology**
- ✓ **lightweight alloy**

DAVIES, CRAIG PTY. LTD.

2 YEAR WARRANTY

EWP® 150 Electric Water Pump - Alloy

12V - Part # 8060
24V - Part # 8061

EWP®150 Electric Water Pump

12 & 24 Volt

2 YEAR WARRANTY

EWP 150

The world's first universal-fit, automotive Electric Water Pump goes one better with the EWP®150.

Suitable for all makes and models – will excel on large six-cylinder engines, V8 engines, heavy duty 4WDs and most engines over 400 HP.

The EWP®150 is a practical alternative to the mechanical belt-driven pump or fitted as an auxiliary pump.

Technical Specifications

	12 Volt Pump	24 Volt Pump
Operating voltage	3V DC to 15V DC	20V DC to 27V DC
Maximum current	10A @ 13V	5.5A @ 24V
Flow rate (max)	150 L/min (39.63 US gal/min) @ 13V DC	150 L/min (39.63 US gal/min) @ 24V DC
Operating temp.	-40° to 130°C (-40° to 266°F)	-40° to 130°C (-40° to 266°F)
Pump design	Clockwise centrifugal with volute chamber	Clockwise centrifugal with volute chamber
Pump weight	1,170 grams (2.6 lb)	1,170 grams (2.6 lb)
Pump material	Aluminium (powder coated)	Aluminium (powder coated)
Burst pressure	500 kPa (72.5 psi)	500 kPa (72.5 psi)
Seal	Ceramic face seal	Ceramic face seal
Fits hose sizes	35mm to 51mm (1⅜" to 2") Internal thread - inlet: AN-16 - outlet: AN-16	35mm to 51mm (1⅜" to 2") Internal thread - inlet: AN-16 - outlet: AN-16

Kit Contents

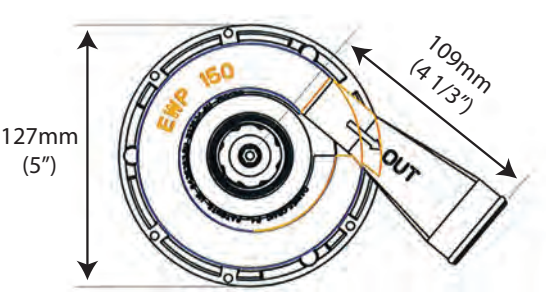
Description	12V	24V	Qty
EWP®150 Alloy 24 Volt Pump		✓	1
EWP®150 Alloy 12 Volt Pump	✓		1
Wiring harness	✓	✓	1
Sleeve 3mm (⅛") rubber adaptors	✓	✓	2
Hose Clamps	✓	✓	2
Assorted Hardware bag includes 12 Volt relay #0533	✓		1
Assorted Hardware bag includes 24 Volt relay #0534		✓	1

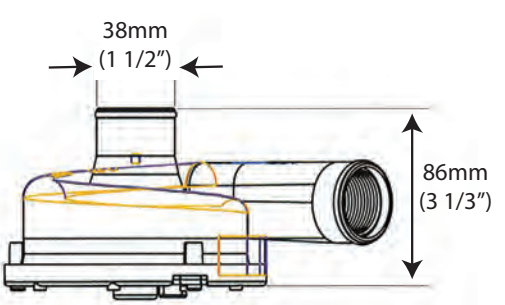
Kit Options (12V & 24V)

Part #	Description	Qty
8505	90° rubber hose adaptor - 38mm (1½") ID	1*
1025	Alloy adaptor AN-16	1*
1024	Alloy swivel adaptor AN-16	1*
8511	Sleeve 6mm rubber adaptor	1*

** 2 required if using at both ends*

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





EWP® 130 Alloy/Digital Controller Combo

12V - Part # 8890
24V - Part # 8891

EWP®130 Alloy/Digital Controller Combo

130 Litres per minute

12 & 24 Volt

Turbocharge your engine cooling with the Davies, Craig EWP®130 alloy Electric Water Pump and your choice of Thermatic® Fan and an LCD EWP®/Fan Digital Controller.

Like all the EWPs, this unit is designed for universal engine fitment, to satisfy those larger and higher horsepower, turbocharged, super-charged and 'worked' engines which develop excessive heat.

The EWP®130 configuration mirrors the highly successful EWP®80 which offers a numerous selection of attachment options, including elbow and straight adaptors which can be bolted on to both the inlet and outlet for simple remote engine mounting.

The EWP®130 will be supplied with one each of the 35mm (1⅜") straight and elbow alloy adaptors, 'O' rings and mounting hardware along with two 3mm (⅛") rubber adaptor sleeves. The respective 38 mm (1½") alloy adaptors and 6mm (¼") rubber adaptor sleeves are optional.

This rugged alloy hi-flow electric water pump is designed to complement or replace the engine's existing mechanical water pump. This essential performance accessory increases power to your vehicle's drive wheels and improves coolant temperature control.

The EWP®130 is a universal, do-it-yourself, easy installation fitment to engines up to five litres.

By removing the parasitic power losses of belt-driven water pumps, the EWP®130 releases up to 10kW (13hp) of extra power, increased torque and fuel savings.

Combine it with the LCD EWP®/Fan Digital Controller and the pump continues to run after you've switched off, eliminating "heat soak" and extending engine life.

The EWP®130 and LCD EWP®/Fan Digital Controller Combo Kit is the most economical way to increase horsepower and save on fuel consumption whilst caring for your engine.

The Davies, Craig EWP® header adaptor kit can replace the mechanical water pump completely.

Turbocharge your engine cooling management

- ✓ **universal fit**
- ✓ **more power**
- ✓ **more cooling**
- ✓ **increase fuel efficiency**
- ✓ **extend engine life**
- ✓ **world-leading technology**
- ✓ **lightweight alloy**

2 YEAR WARRANTY

EWP® 130 Electric Water Pump - Alloy

12V - Part # 8080
24V - Part # 8081

EWP®130 Electric Water Pump
12 & 24 Volt

The world's first universal fit / remote mount Electric Water Pump. Suitable for naturally-aspirated and turbo/ supercharged engines up to 5 litres.

EWP 130

Kit Contents

Description	12V	24V	Qty
EWP®130 Alloy 24 Volt Pump		✓	1
EWP®130 Alloy 12 Volt Pump	✓		1
Alloy elbow adaptor - 35mm (1⅜")	✓	✓	1
Alloy straight adaptor - 35mm (1⅜")	✓	✓	2
Hose Clamps	✓	✓	2
Rubber adaptor sleeve - 3mm (⅛")	✓	✓	1
O ring	✓	✓	2
Wiring harness	✓	✓	1
Hose clamps	✓	✓	2
Assorted hardware bag - includes 12V relay #0533	✓		1
Assorted hardware bag - includes 24V relay #0534		✓	1

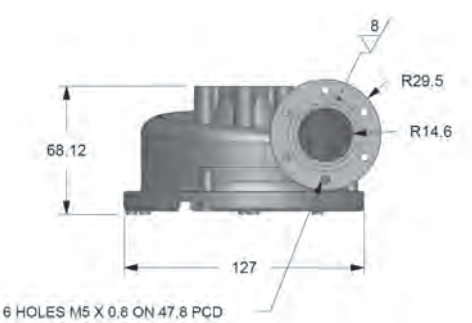
Kit Options (12V & 24V)

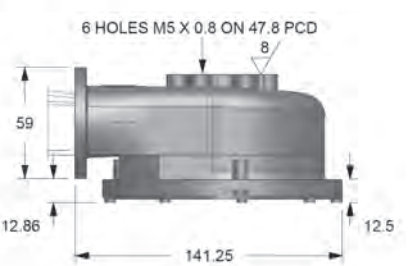
Part #	Description	Qty
8304	Alloy straight adaptor - 38mm (1½")	1*
8303	Alloy elbow adaptor - 38mm (1½")	1*
8505	90° rubber hose adaptor - 38mm (1½") ID	1*
8511	Rubber adaptor sleeve 6mm (¼")	1*
1025	Alloy adaptor AN-16	1*
1026	Alloy adaptor - 1¼" NPT	1*
1027	Alloy adaptor straight - 25mm (1")	1*
1028	Alloy adaptor straight - 19mm (¾")	1*

** 2 required if using at both ends*

Technical Specifications

	12 Volt Pump	24 Volt Pump
Operating voltage	3V DC to 15V DC	20V DC to 27V DC
Maximum current	10A @ 13V	5.5A @ 24V
Flow rate (max)	130 L/min (34.34 US gal/min) @ 13V DC	130 L/min (34.34 US gal/min) @ 24V DC
Operating temp.	-40° to 130°C (-40° to 266°F)	-40° to 130°C (-40° to 266°F)
Pump design	Clockwise centrifugal with volute chamber	Clockwise centrifugal with volute chamber
Pump weight	1,226 grams (2.7 lb)	1,226 grams (2.7 lb)
Pump material	Aluminium (powder coated)	Aluminium (powder coated)
Burst pressure	500 kPa (72.5 psi)	500 kPa (72.5 psi)
Seal	Ceramic face seal	Ceramic face seal
Fits hose sizes	35mm to 51mm (1⅜" to 2")	35mm to 51mm (1⅜" to 2")





EWP® 115 Alloy/Digital Controller Combo

12V - Part # 8050
24V - Part # 8051

EWP®115 Alloy/Digital Controller Combo

115 Litres per minute

12 & 24 Volt

Take total control of your engine cooling with the Davies Craig EWP®115 Alloy Electric Water Pump and LCD EWP®/Fan Digital Controller. The Controller will also manage the operation of your Thermatic® Fan.

The EWP®115 (115 litres per minute) pump is suitable for small, medium, large, high-performance and 4WD vehicles. It's a performance accessory 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 hardwired into your electrical system, by-passing the engine and releasing up to an additional 10kw (13hp).

Combined with the LCD EWP®/Fan 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 rugged Alloy and are universal fit, allowing 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 adaptors to fit various hose sizes and all necessary electrical wiring.

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

The Davies, Craig EWP® header adaptor kit can replace the mechanical water pump completely.

The world's most advanced total engine cooling management

- ✓ **universal fit**
- ✓ **more power**
- ✓ **more cooling**
- ✓ **increase fuel efficiency**
- ✓ **extend engine life**
- ✓ **world-leading technology**
- ✓ **lightweight alloy**

EWP® 115 Electric Water Pump - Alloy

12V - Part # 8040
24V - Part # 8041

EWP®115 Electric Water Pump
12 & 24 Volt

The world's first universal-fit, automotive Electric Water Pump. Suitable for all makes and models – will excel on large six-cylinder engines.

The EWP®115 is a practical alternative to the mechanical belt-driven pump or fitted as an auxiliary pump.

Kit Contents

Description	12V	24V	Qty
EWP®115 Alloy 24 Volt Pump		✓	1
EWP®115 Alloy 12 Volt Pump	✓		1
Wiring harness	✓	✓	1
Rubber adaptor sleeve - 3mm (⅛")	✓	✓	2
Hose Clamps	✓	✓	2
Assorted hardware bag - includes 12V relay #0533	✓		1
Assorted hardware bag - includes 24V relay #0534		✓	1

Kit Options (12V & 24V)

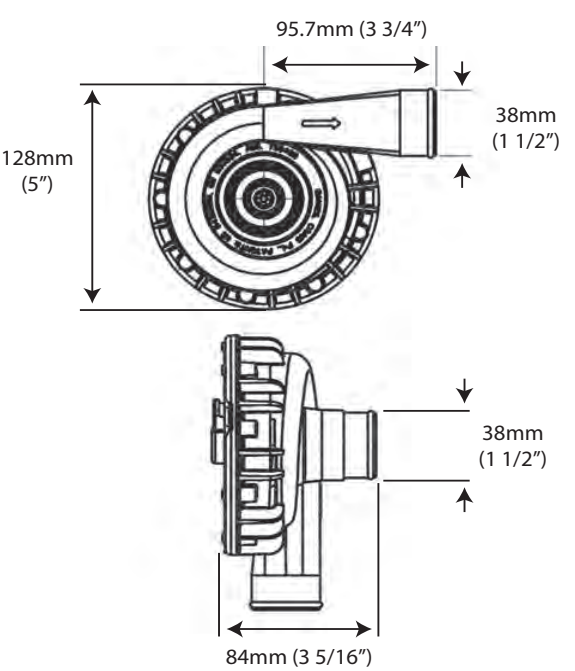
Part #	Description	Qty
8505	90° rubber hose adaptor - 38mm (1½") ID	1*
1025	Alloy adaptor AN-16	1*
1024	Alloy adaptor - AN-16	1*
8511	Sleeve 6mm (¼") rubber adoptor	1*

* 2 required if using at both ends

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

Technical Specifications

	12 Volt Pump	24 Volt Pump
Operating voltage	3V DC to 15V DC	20V DC to 27V DC
Maximum current	10A @ 13V	5.5A @ 24V
Flow rate (max)	115 L/min (30.38 US gal/min) @ 13V DC	115 L/min (30.38 US gal/min) @ 24V DC
Operating temp.	-40° to 130°C (-40° to 266°F)	-40° to 130°C (-40° to 266°F)
Pump design	Clockwise centrifugal with volute chamber	Clockwise centrifugal with volute chamber
Pump weight	1,101 grams (2.43 lb)	1,101 grams (2.43 lb)
Pump material	Aluminium (powder coated)	Aluminium (powder coated)
Burst pressure	500 kPa (72.5 psi)	500 kPa (72.5 psi)
Seal	Ceramic face seal	Ceramic face seal
Fits hose sizes	35mm to 51mm (1⅜" to 2") - inlet: AN-16 - outlet: AN-16	35mm to 51mm (1⅜" to 2") - inlet: AN-16 - outlet: AN-16



EWP® 115 Nylon/Digital Controller Combo

12V - Part # 8830
24V - Part # 8831

EWP®115 Nylon/Digital Controller Combo

115 Litres per minute

12 & 24 Volt

Take total control of your engine cooling with the Davies Craig EWP®115 Nylon Electric Water Pump and LCD EWP®/Fan Digital Controller. The Controller will also manage the operation of your Thermatic® Fan.

The EWP®115 (115 litres per minute) pump is suitable for small, medium, large, high-performance and 4WD vehicles. It's a performance accessory 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 hardwired into your electrical system, by-passing the engine and releasing up to an additional 10kw (13hp).

Combined with the LCD EWP®/Fan 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 nylon reinforced with fibreglass. 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 adaptors to fit various hose sizes and all necessary electrical wiring.

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

The Davies, Craig EWP® header adaptor kit can replace the mechanical water pump completely.

The world's most advanced total engine cooling management

- ✓ **universal fit**
- ✓ **more power**
- ✓ **more cooling**
- ✓ **increase fuel efficiency**
- ✓ **extend engine life**
- ✓ **world-leading technology**
- ✓ **lightweight Nylon**

2 YEAR WARRANTY

EWP® 115 Electric Water Pump - Nylon

12V - Part # 8025
24V - Part # 8026

EWP®115 Electric Water Pump
12 & 24 Volt

2 YEAR WARRANTY

The world's first universal-fit, automotive Electric Water Pump. Suitable for all makes and models – will excel on large six-cylinder engines,.

The EWP®115 is a practical alternative to the mechanical belt-driven pump or fitted as an auxiliary pump.

Kit Contents

Description	12V	24V	Qty
EWP®115 Nylon 24 Volt Pump		✓	1
EWP®115 Nylon 12 Volt Pump	✓		1
Wiring harness	✓	✓	1
Rubber adaptor sleeve - 3mm (⅛")	✓	✓	2
Hose Clamps	✓	✓	2
Assorted hardware bag - includes 12V relay #0533	✓		1
Assorted hardware bag - includes 24V relay #0534		✓	1

Kit Options (12V & 24V)

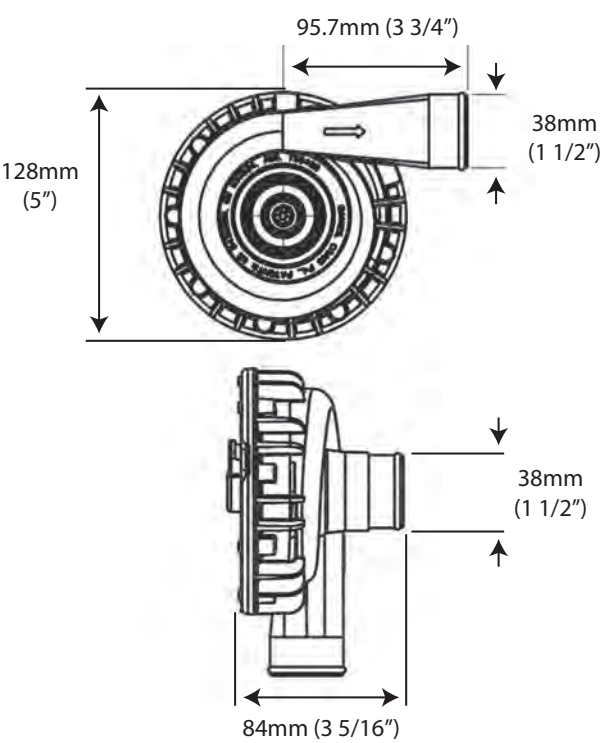
Part #	Description	Qty
8505	90° rubber hose adaptor - 38mm (1½") ID	1*
8511	Sleeve 6mm (¼") rubber adoptor	1*

* 2 required if using at both ends

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

Technical Specifications

	12 Volt Pump	24 Volt Pump
Operating voltage	3V DC to 15V DC	20V DC to 27V DC
Maximum current	10A @ 13V	5.5A @ 24V
Flow rate (max)	115 L/min (30.38 US gal/min) @ 13V DC	115 L/min (30.38 US gal/min) @ 24V DC
Operating temp.	-40° to 130°C (-40° to 266°F)	-40° to 130°C (-40° to 266°F)
Pump design	Clockwise centrifugal with volute chamber	Clockwise centrifugal with volute chamber
Pump weight	920 grams (2.03 lb)	920 grams (2.03 lb)
Pump material	Nylon 66 - 30% glass filled	Nylon 66 - 30% glass filled
Burst pressure	500 kPa (72.5 psi)	500 kPa (72.5 psi)
Seal	Ceramic face seal	Ceramic face seal
Fits hose sizes	35mm to 51mm (1⅜" to 2")	35mm to 51mm (1⅜" to 2")



EWP® 80/Digital Controller Combo

Part # 8807
(12 Volt only)

EWP®80/Digital Controller Combo

80 Litres per minute

12 Volt only

The EWP®80 Electric Water Pump and LCD EWP®/Fan Digital Controller Combo – simple, do-it-yourself, easy to install, designed to complement or replace your existing belt-driven, mechanical water pump and engine thermostat, and operate your Thermatic® Fan.

The EWP®80 will fit most vehicle makes and models fitted with naturally-aspirated or turbo engines up to two litres.

The revolutionary, Australian-designed EWP®80 is made from anti-corrosive, lightweight, heat-resistant, glass-filled nylon and incorporates a ceramic faced seal for long-life durability.

The EWP®80 greatly enhances engine cooling control while giving you added power and improved fuel economy.

By removing the parasitic power losses of a belt-driven, mechanical water pump the EWP® can provide up to 10kW (13hp) of extra power and increased torque.

The LCD EWP®/Fan Digital Controller will manage both the EWP® and Thermatic® fan operation. The Digital Controller will vary the speed of the EWP® in response to the engine's coolant temperature. Multiple temperature settings are provided on the Controller for either maximum power or fuel efficiency.

The Thermatic® Fan/s will be activated automatically once the engine coolant rises 3°C (5.4°F) above the targeted (set) temperature. The Digital Controller will automatically run on for three minutes (or to 10°C / 14°F below the set temperature) after engine shut down, eliminating 'heat soak' and extending engine life.

The EWP®80 Digital Controller Combo is supplied in a do-it-yourself kit with everything you need for fitment to your vehicle's engine, including an easy-to-follow DIY instruction booklet.

The world's most advanced total engine cooling management system

- ✓ **universal fit**
- ✓ **more power**
- ✓ **more cooling**
- ✓ **increase fuel efficiency**
- ✓ **extend engine life**
- ✓ **world-leading technology**
- ✓ **lightweight Nylon**

DAVIES, CRAIG PTY. LTD.

EWP® 80 Electric Water Pump - Nylon

Part # 8005
(12 Volt only)

EWP®80 Electric Water Pump - Nylon
12 Volt only

2 YEAR WARRANTY

The world's first universal-fit, automotive Electric Water Pump. Suitable for all makes and models with an engine size up to 2 litres, and is a practical alternative to the mechanical belt-driven pump or fitted as an auxiliary pump.

Technical Specifications

	12 Volt Pump
Operating voltage	3V DC to 15V DC
Maximum current	7.5A @ 13V
Flow rate (max)	80 L/min (21.13 US gal/min) @ 13V DC
Operating temp.	-40° to 130°C (-40° to 266°F)
Pump design	Clockwise centrifugal with volute chamber
Pump weight	900 grams (2.0 lb)
Pump material	Nylon 66, 30% glass-filled
Burst pressure	350 kPa (50 psi)
Seal	Ceramic face seal
Fits hose sizes	32mm to 51mm (1⅜" to 2")

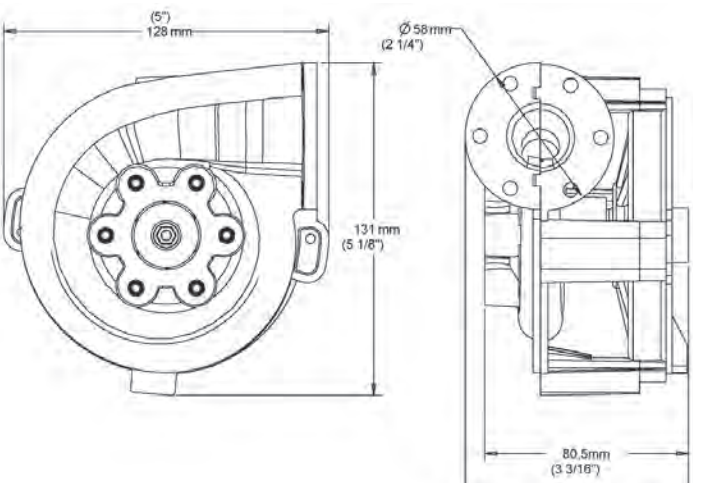
Kit Contents

Description	Qty
EWP®80 Pump	1
Straight adaptor	1
Elbow adaptor	1
O ring	2
Wiring Harness	1
Rubber adaptor sleeve - 3mm (⅛")	2
Hose Clamps	2
Assorted hardware bag - includes relay #0533	1

Kit Options

Part #	Description	Qty
1025	Alloy adaptor - AN-16	1*
1026	Alloy adaptor - 1¼" NPT	1*
1027	Alloy adaptor straight - 25mm (1")	1*
1028	Alloy adaptor straight - 19mm (¾")	1*
8301	Alloy elbow adaptor - 35mm (1⅜")	1*
8302	Alloy straight adaptor - 35mm (1⅜")	1*
8303	Alloy elbow adaptor - 38mm (1½")	1*
8304	Alloy straight adaptor - 38mm (1½")	1*
8511	Sleeve 6mm (¼") rubber adaptor	1*

* 2 required if using at both ends



EBP® 40 Electric Booster Pump

12V - Part # 9040
24V - Part # 9041

EBP®40 Electric Booster Pump
37 Litres per minute
12 & 24 Volt

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

This high-performance 37 litre per minute, brushless, magnetically-driven EBP® has drawn high acclaim globally for its diversity of applications. These include booster for car heater and LPG systems, solar and marine applications, water-cooled motorcycle, go-kart engines, turbo air/water intercoolers, caravans, motor homes and domestic irrigation.

The EBP®40 is offered in both 12 and 24 Volt.

EBP ELECTRIC BOOSTER PUMP

2 YEAR WARRANTY

Technical Specifications

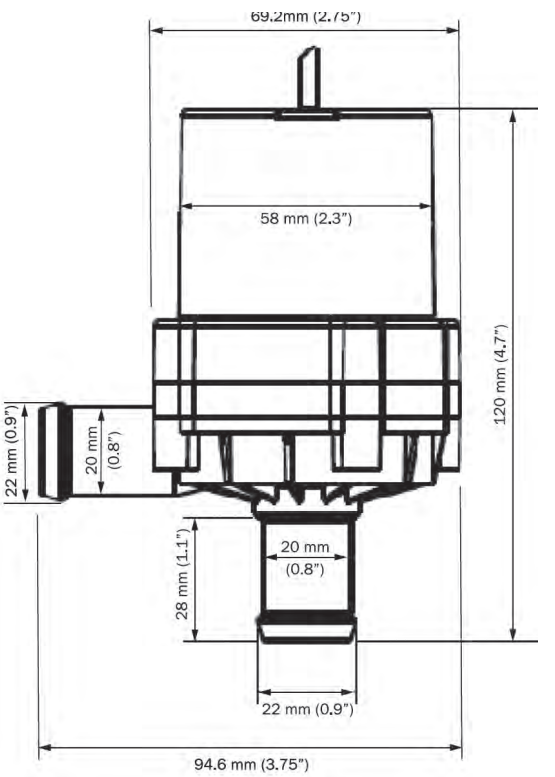
	12 Volt Pump	24 Volt Pump
Motor	12 Volt Brushless	24 Volt Brushless
Operating voltage	9V DC to 15V DC	20V DC to 27V DC
Maximum current	4.6A @ 12V	2.5A @ 24V
Flow rate (max)	37 L/min (9.8 US gal/min)	37 L/min (9.8 US gal/min)
Maximum Pump Pressure	0.88 Bar (12.76 psi)	0.88 Bar (12.76 psi)
Operating temp.	-40° to 120°C (-40° to 248°F)	-40° to 120°C (-40° to 248°F)
Pump design	Recirculating centrifugal	Recirculating centrifugal
Pump weight	570 grams (1.26 lb)	570 grams (1.26 lb)
Pump material	PPS / PA66	PPS / PA66
Burst pressure	250 kPa (36 psi)	250 kPa (36 psi)
Fits hose sizes	19mm (¾")	19mm (¾")

The EBP® is a recirculating pump which is ideal for a 'closed system' similar to an automotive cooling system; it is not self priming'.

For optimum coolant flow control, use either of the Davies, Craig Thermatic Switches (#0400, #0444 or #0455).

Kit Contents

Description	12V	24V	Qty
EBP®40 24 Volt Electric Booster Pump		✓	1
EBP®40 12 Volt Electric Booster Pump	✓		1
Mounting bracket	✓	✓	1



EBP® 25 Electric Booster Pump

Part # 9005
(12 Volt only)

EBP®25 Electric Booster Pump
25 Litres per minute
12 Volt only

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

This high-performance 25 litre per minute, 12 volt, brushless, magnetically-driven EBP has drawn high acclaim globally for its diversity of applications.

The many EBP® applications include use as a booster for car heater and LPG systems, solar and marine applications, water-cooled motorcycle, go-kart engines, turbo air/water intercoolers, caravans, motor homes and domestic irrigation.

Technical Specifications

	Description
Motor	12 Volt Brushless
Operating voltage	9V DC to 15V DC
Maximum current	3.5A
Flow rate (max)	25 L/min (6.6 US gal/min) @ 10 kPa
Maximum Pump Pressure	0.41 Bar (5.95 psi)
Operating temp.	-40° to 120°C (-40° to 248°F)
Pump design	Recirculating centrifugal
Pump weight	995 grams (2.19 lb)
Pump material	Nylon 66, 30% glass-filled
Burst pressure	250 kPa (36 psi) minimum
Fits hose sizes	19mm (3/4")

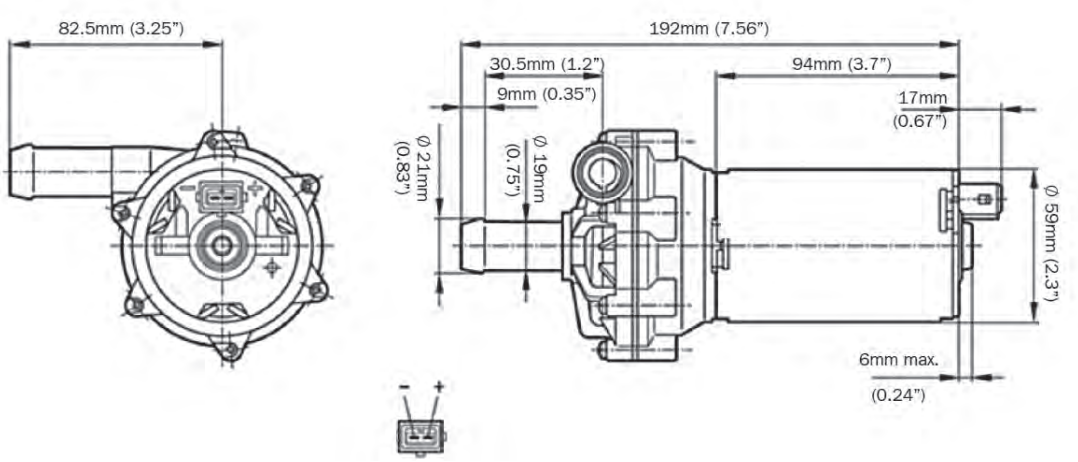
Kit Contents

Description	Qty
EBP®25 Electric Booster Pump	1
Wiring Harness	1

Optional

Part #	Description	Qty
9105	EBP®25 Electric Booster Pump only	1

The EBP® is a recirculating pump which is ideal for a 'closed system' similar to an automotive cooling system; it is not self priming'.



For optimum coolant flow control, use either of the Davies, Craig Thermatic Switches (#0400, #0444 or #0455).

EBP® 23 Electric Booster Pump

Part # 9050
(12 Volt only)

EBP®23 Electric Booster Pump
23 Litres per minute
12 Volt only

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

The EBP®23 is a 'brushless' 12 volt, high-flow (23 litres/6.08 US gallons per minute), magnetically-driven water pump.

The EBP® motor has no brushes to wear out. The pump is magnetically driven by the motor, which means that no shaft sealing is required.

The many EBP® applications include use as a booster for car heater and LPG systems, solar and marine applications, water-cooled motorcycle, go-kart engines, turbo air/water intercoolers, caravans, motor homes and domestic irrigation.

ELECTRIC BOOSTER PUMP

2 YEAR WARRANTY

Technical Specifications

	Description
Motor	12 Volt Brushless
Operating voltage	9V DC to 15V DC
Maximum current	1.5A
Flow rate (max)	23 L/min (6 US gal/min) @ 20 kPa
Maximum Pump Pressure	0.25 Bar (3.63 psi)
Operating temp.	-40° to 120°C (-40° to 248°F)
Pump design	Recirculating centrifugal
Pump weight	364 grams (0.8 lb)
Pump material	Nylon 66, 30% glass-filled
Burst pressure	250 kPa (36 psi) minimum
Fits hose sizes	12.5mm to 19mm (½" to ¾") using stepped adaptors

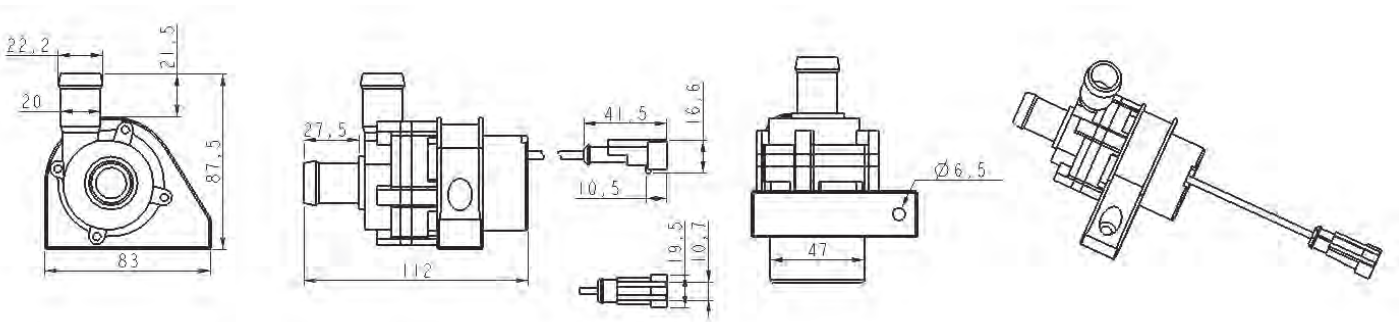
Kit Contents

Description	Qty
EBP®23 Electric Booster Pump	1
Adaptor - stepped: 19mm (¾"), 15mm, 12.5mm (½")	2
Hose Clamps	4
Hose	2
Mounting bracket	1
Fitting instructions	1

Optional

Part #	Description	Qty
9051	EBP®23 Electric Booster Pump with mounting Bracket	1

For optimum coolant flow control, use either of the Davies, Craig Thermatic Switches (#0400, #0444 or #0455).



EBP® 15 Electric Booster Pump

Part # 9001
(12 Volt only)

EBP®15 Electric Booster Pump

15 Litres per minute

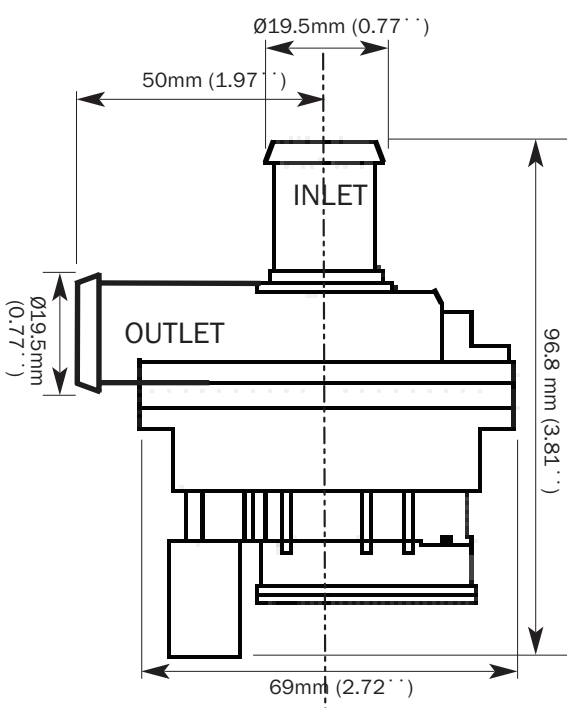
12 Volt only

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

Davies, Craig developed the Electric Booster Pump (EBP®15), designed for use with either an EWP® or a conventional mechanical water pump to enhance the heater and LPG systems.

This high-performance 15 litre per minute, 12 volt, brushless, magnetically-driven EBP® has drawn high acclaim globally for its diversity of applications. These include booster for car heater and LPG systems, solar and marine applications, water-cooled motorcycle, go-kart engines, turbo air/water intercoolers, caravans, motor homes and domestic irrigation.

EBP ELECTRIC BOOSTER PUMP



The EBP® is a recirculating pump which is ideal for a 'closed system' similar to an automotive cooling system; it is not self priming'.

For optimum coolant flow control, use either of the Davies, Craig Thermatic Switches (#0400, #0444 or #0455).

2 YEAR WARRANTY

Technical Specifications

	Description
Motor	12 Volt Brushless
Operating voltage	9V DC to 15V DC
Maximum current	1.3A
Flow rate (max)	15 L/min (4 US gal/min) @ 10 kPa
Maximum Pump Pressure	0.2 Bar (2.9 psi)
Operating temp.	-40° to 120°C (-40° to 248°F)
Pump design	Recirculating centrifugal
Pump weight	245 grams (0.54 lb)
Pump material	Nylon 66, 30% glass-filled
Burst pressure	250 kPa (36 psi) minimum
Fits hose sizes	12.5mm to 19mm (½" to ¾") using stepped adaptors

Kit Contents

Description	Qty
EBP®15 Electric Booster Pump	1
Adaptor - stepped: 19mm (¾"), 15mm (9/16"), 12.5mm (½")	2
Hose clamps	4
Hose	2
Wiring harness	1
Fitting instructions	1

Optional

Part #	Description	Qty
9002	EBP®15 Electric Booster Pump with wiring harness	1

Thermatic© Switches

Davies, Craig offers three types of Thermatic® Switches:

- Part #0444 senses air temperature near the top radiator hose as it passes through the radiator or senses coolant temperature (with #0409) for EWP® single or twin fan operation.
- Part #0455 Premium Thermatic Switch senses both air or coolant temperatures (with #0409), EWP® single or twin fan operation, attractive dashboard mounted monitor.
- Part #0401 senses the coolant temperature after it passes through the engine block prior to entering the radiator.

Part #0400 is a combination of the unit #0401 (opposite) and the #0409 Hose Adaptor (opposite), offering probe placement in the top radiator hose.

All Thermatic® Switches feature:

- automatically activate the EWP® at the set/targeted temperature when cooling is required;
- can be adjusted over a wide temperature range by simply turning a knob located on the control switch (#0401).
  Push-button scrolling through the 40°C to 110°C temperature range (#0444 & #0455);
- can be employed to operate the Electric Water Pump when operated as an auxiliary pump to the mechanical water pump;
- are ideal for dual-fan operation (#0444 & #0455).

Part #0444

Digital Thermatic® Switch

12 & 24 Volt

The Digital Thermatic® Switch can sense air or coolant temperature to automatically activate single or twin fans or a fan and/or EWP® at your set/targeted temperature when extra cooling is required.

With dual relays, the switch provides dual fan activation up to 50 Amps at an engine temperature range of 40°C to 110°C (104° to 230°F). Equipped with a proven sensor positioned for accurate temperature readings.

Simple, convenient DIY fitting.

Note: #0409 must be used for top radiator hose fitment.

Part #0455

Premium Digital Thermatic® Switch

12 & 24 Volt

The Premium Digital Thermatic® Switch automatically activates single or twin fans or a fan and/or EWP® at your set/targeted temperature when extra cooling is required.

Attractive compact dashboard, driving compartment mounting LED display module, this state-of-the-art switch can also operate your air conditioning fan.

- **Temperature Set LED**
- **Seperate LED indicators for each fan**
- **Air Conditioning override LED**
- **Temperature Sensor short circuit display**

The 5mm probe can be placed in the fins at the top of the radiator sensing air or in the top radiator hose (with #0409) to sense the engine coolant temperature.

Thermatic© Switches

Part #0401

Mechanical Thermatic® Switch 12V & 24V

The Mechanical Thermatic® Switch is adjustable from 40° to 100°C (104° to 212°F).

The Thermatic® Switch is mounted near the radiator and the stainless steel probe fitted inside the radiator hose.

The Thermatic® Switch is then connected to the ignition circuit for operation.

Part #0400

Thermatic® Switch Combo 12 & 24 Volt

The thermal switch is adjustable from 40° to 100°C (104° to 212°F). No need to squeeze the probe of the Mechanical Thermal Switch between the radiator inlet and radiator hose. This simple kit allows easy fitting directly into the radiator hose.

Part #0404

Mechanical Thermatic® Switch (12V & 24V) plus Relay for Air Conditioning

The Mechanical Thermatic® Switch is adjustable from 40° to 100°C (104° to 212°F).

The Thermatic® Switch is mounted near the radiator and the stainless steel probe fitted inside the radiator hose. The Thermatic® Switch is then connected to the ignition circuit for operation.

The Thermatic® Switch and relay kit enables a fan to operate both thermally and also when the air conditioning is running.

Part #0409

Temperature Sensor Adaptor Kit

No need to squeeze the probe of the Mechanical Thermatic® Switch between the radiator inlet and radiator hose, or the radiator fins.

This simple, economical Adaptor Kit allows easy fitting directly into the top radiator hose. Just fit the probe into the compression fitting, remove about 17mm (2/3") of radiator hose, fit the adaptor between each hose and secure the hose clamps. The kit comes complete, as shown, for a watertight and effective probe installation. Extra rubber sleeves are supplied to enable fitment to radiator hose sizes from 32mm to 40mm (1¼" to 1½") diameter.

Suits all temperature sensors with either a 5mm (3/16") or a 6mm (1/4" outside diameter and temperature gauge senders with 6mm (1/4") NPT thread.

Note: This is an accessory for use with #0401, #0404, #0444 and #0455 Thermatic® Switches.

EWP© Header Adaptors Kits

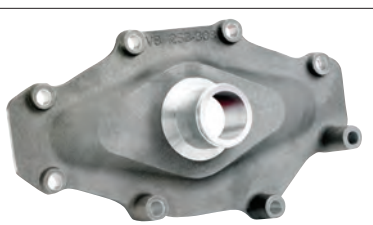
Davies, Craig's EWP® Header Adaptor Kits are designed for use with an EWP® Electric Water Pump Combo Kits to replace your existing belt-driven mechanical water pump. Choose the Header Adaptor Kit that suits your engine:

Chevrolet BB/SB engines

Part #	Contents
8610	EWP® Header Adaptor Kit - BLUE colour Suits small block Chev.
8611	EWP® Header Adaptor Kit - BLACK colour Suits small block Chev.
8620	EWP® Header Adaptor Kit - BLUE colour Suits big block Chev.
8621	EWP® Header Adaptor Kit - BLACK colour Suits big block Chev.

Holden V8 Engines

Part #	Contents
8600	EWP® Heater adaptor kit - suits Holden 253 / 308



LS Series Engines

Part #	Contents
8650	EWP® Header Adaptor Kit - black hose

Ford BB engines

Part #	Contents
8630	EWP® Header Adaptor Kit (blue hose)
8631	EWP® Header Adaptor Kit (black hose)

Ford Coyote 5.0 Litre Engines

Part #	Contents
8660	EWP® Header Adaptor Kit

Ford Windsor V8 Engines

Part #	Contents
8640	EWP® Header Adaptor Kit

EWP© Accessories

EWP® Nylon Adaptors

Part #	Contents
8307	Straight adaptor 35mm (1⅜")
8309	Elbow adaptor 35mm (1⅜")
8510	3mm (⅛") sleeves rubber adaptor
8511	6mm (¼") sleeves rubber adaptor
8509	O ring

#8380

EWP® Alloy Heater Return Kit

Part #	Contents
8380	EWP® Heater Return Kit Components: #8318 and #8532.

Part #8700

EWP® Mounting Bracket

The Davies Craig EWP® Mounting Bracket can be used with the EWP®15(EWP®130 and EWP®115 (both nylon and alloy versions). The mounting bracket offers greater flexibility and assists with the hard mounting of the EWP® to the engine bay by providing a rubber dampener to minimise vibratior

Part #8505

90° Hose adaptor

Fits all EWP® Water Pumps

Part #	Contents
8505	90 Hose adaptor 38mm (1½")

EWP® Alloy Adaptors

Part #	Contents
1024	EWP® 90° Alloy Swivel Elbow adaptor
1025	Alloy adaptor - AN-16
1026	Alloy adaptor - 1¾ NPT
1027	Alloy straight adaptor - 25mm (1")
1028	Alloy straight adaptor - 19mm (¾")
8301	Alloy adaptor elbow - 35mm (1⅜")
8302	Alloy adaptor straight - 35mm (1⅜")
8303	Alloy adaptor elbow - 38mm (1½")
8304	Alloy adaptor straight - 38mm (1½")

Part #1035

Low Coolant Level Alarm - 12 & 24 Volt

The Davies, Craig Low Coolant Level Alarm monitors coolant levels in engines to help prevent overheating and consequential failure.

It simply fits to your engine's top radiator hose and alerts you to the loss of engine coolant.

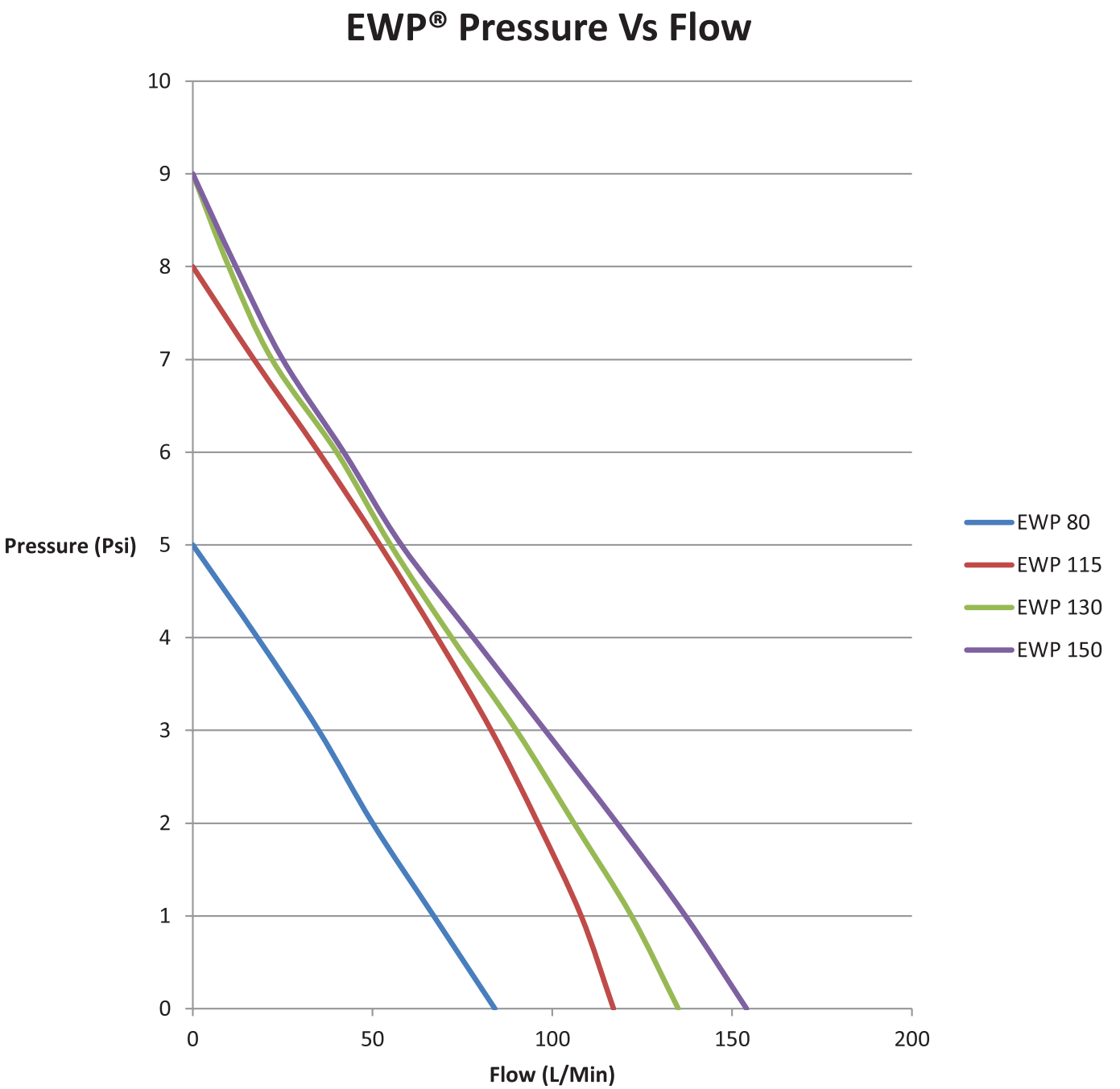
This kit's module, mounted in the driving compartment, will sound an audible alarm and flash a bright red LED when the engine coolant level drops.

This situation can occur when a radiator hose splits or frays and starts to lose the engine's coolant, or if the vehicle's radiator were to spring a leak in the core.

EWP© - Pressure Vs Flow

EWP® ELECTRIC WATER PUMP

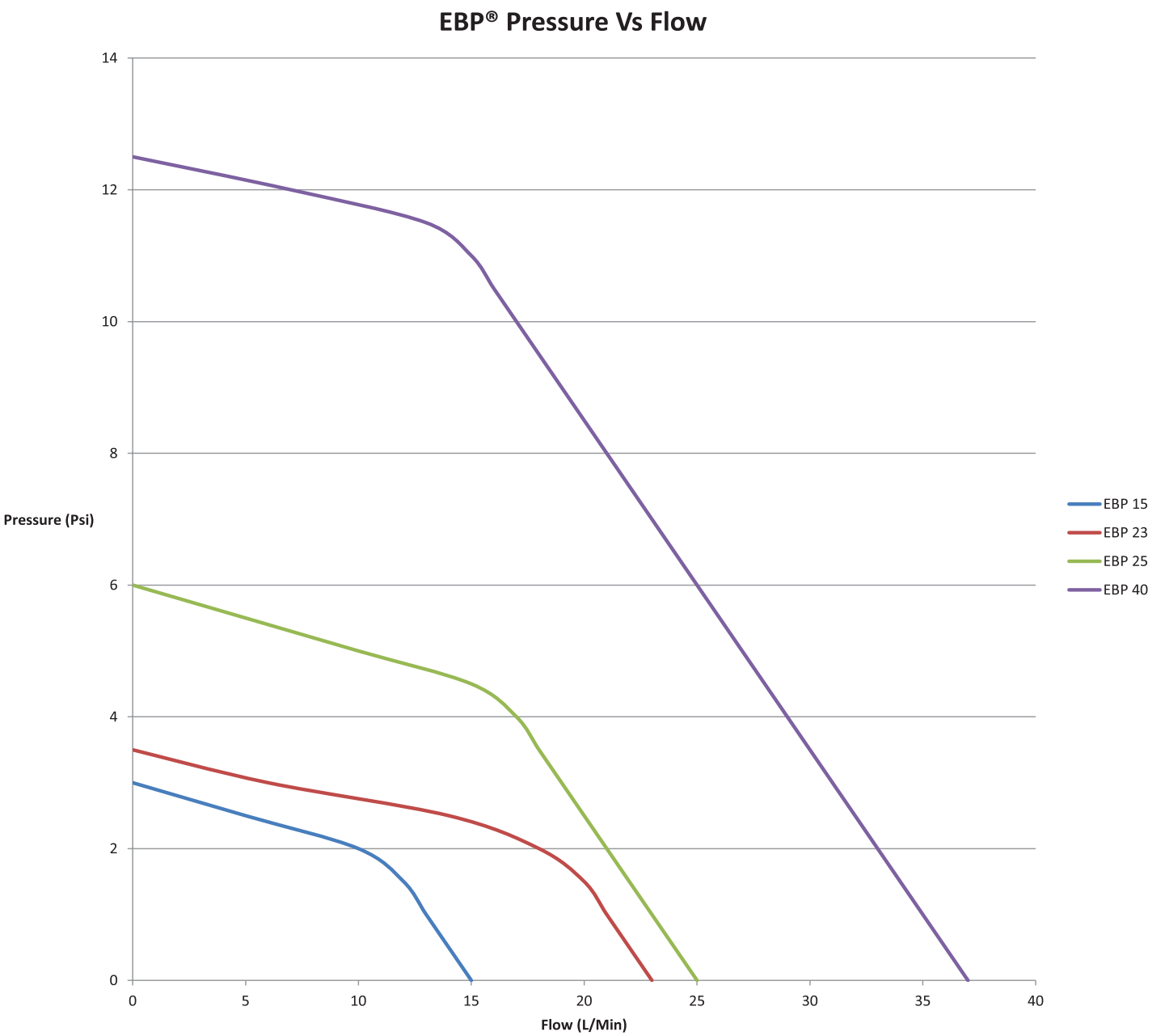
Replaces belt-driven water pumps



DAVIES, CRAIG PTY. LTD.

EBP© - Pressure Vs Flow

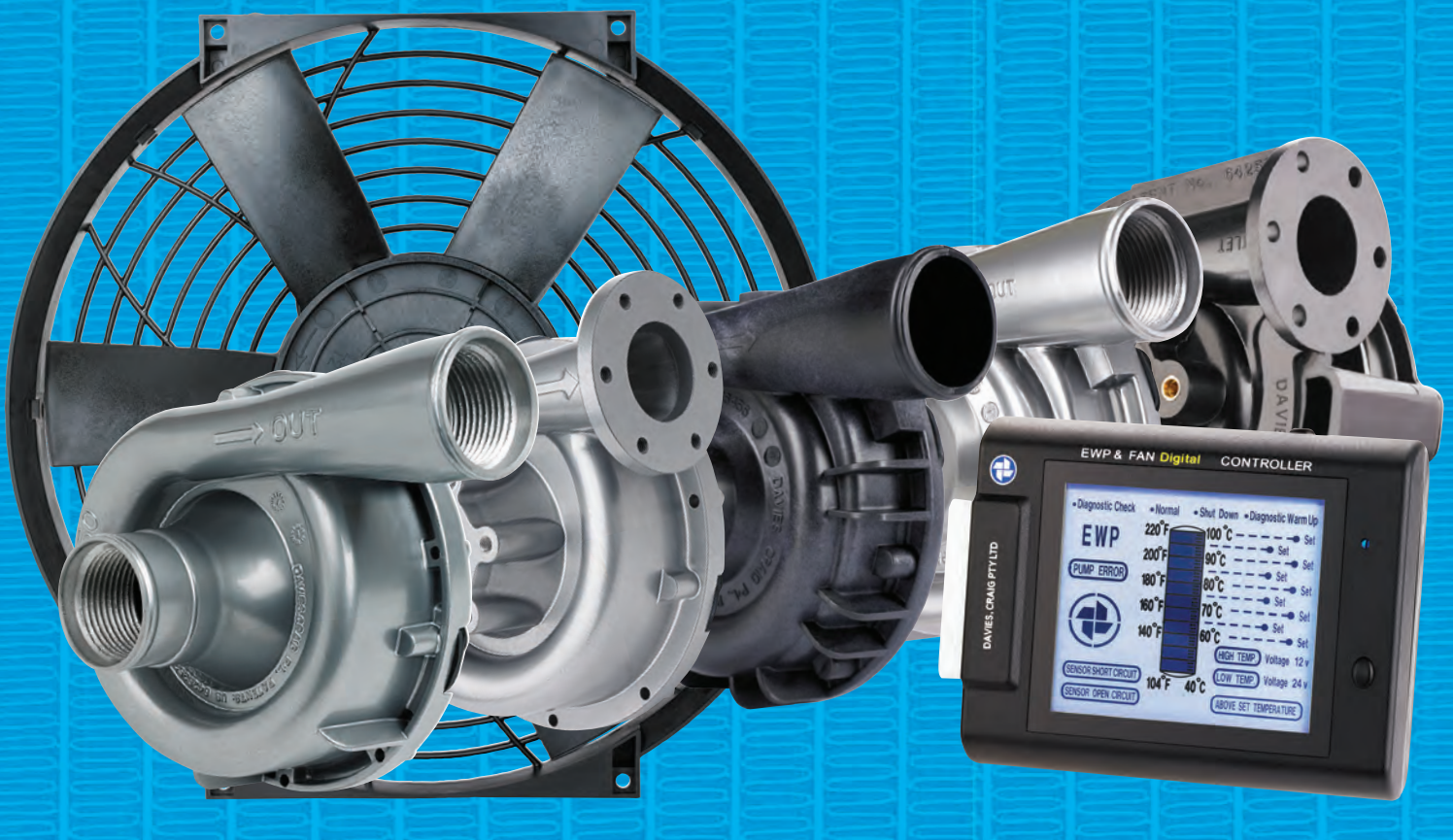
ELECTRIC BOOSTER PUMP



EWP®

REPLACES BELT-DRIVEN WATER PUMPS

Electric Water Pumps
Thermatic® Fans
Digital Controller



Thermatic® Fans

Thermatic® Switches

Effective Cooling for your Vehicle
Universal Fit

ALSO SUITABLE FOR

Primary cooling

Auxillary cooling

Air conditioning/condenser replacement fan

Available in 8", 9", 10", 11" 12", 14" and 16"

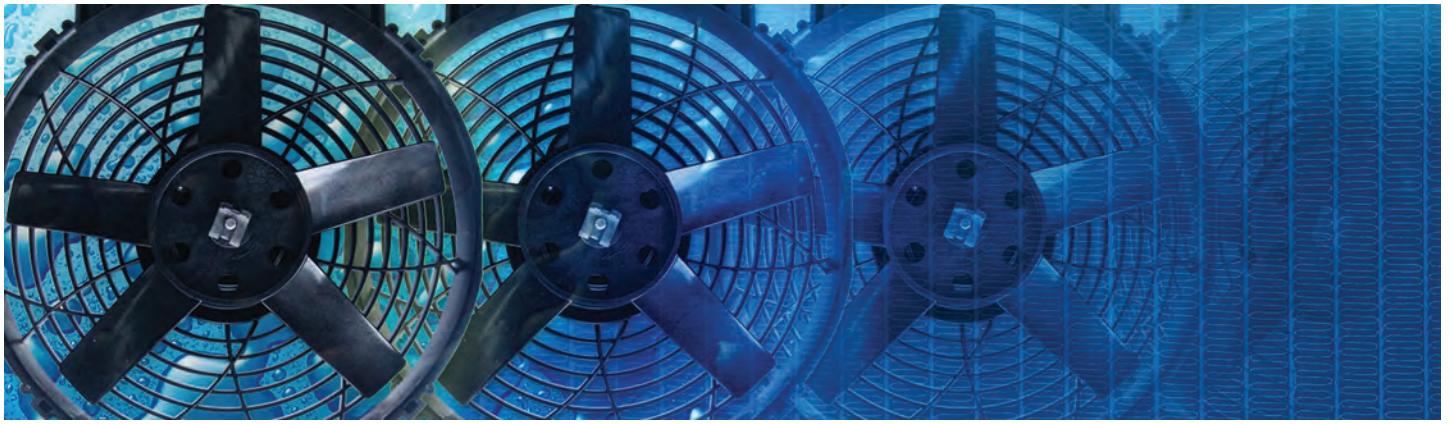
2 YEAR WARRANTY

Australian Made

REVERSIBLE UPSTREAM / DOWNSTREAM MOUNTING

DAVIES, CRAIG PTY. LTD.

INNOVATION - QUALITY - RANGE



Thermatic® Fans

The continued influx of SUVs, the downsizing of passenger motor vehicles and the global pressure on car manufacturers to reduce fuel consumption has led to the rapid growth in the use of electric Thermatic® Fans.

An efficient, economical method of automotive cooling, electric fans, along with electric water pumps are ranked as the fastest growing segments within the 'Cooling Systems Technology' groups around the world today.

Davies, Craig Thermatic® Fans can provide a variety of benefits as a primary or secondary engine cooling source.

Davies, Craig Thermatic® Fans are suitable for both condenser (air conditioning) and radiator (engine) cooling. An efficient and economical method of automotive cooling, Thermatic® Fans are one of the most important cooling components on any vehicle.

- **12 volt and 24 volt models available.**

DAVIES, CRAIG PTY. LTD.

	Part #
12 Volt Fans	
8" Thermatic® Fan	0135
9" Thermatic® Fan	0160
10" Thermatic® Fan	0145
10" Slimline Thermatic® Fan	0147
11" Brushless Thermatic® Fan	0120
12" Thermatic® Fan	0162
14" Brushless Thermatic® Fan	0140
14" Slimline Thermatic® Fan	0164
14" Hi-Power Thermatic® Fan	0107
16" Thermatic® Fan	0166
24 Volt Fans	
8" Thermatic® Fan	0136
9" Thermatic® Fan	0161
10" Thermatic® Fan	0146
10" Slimline Thermatic® Fan	0148
12" Thermatic® Fan	0163
14" Slimline Thermatic® Fan	0165
14" Hi-Power Thermatic® Fan	0108
16" Thermatic® Fan	0172

Unless otherwise specified:

FANS INCLUDE fan assembly (motor, fan blade, shroud and mounting feet) and instruction sheet.

These fan assemblies are set up for upstream applications. For downstream applications the fan blade must be removed and turned over and the polarity reversed. Always check that the fan blade rotates in the direction shown by the arrows on the blade before making a permanent wiring connection and prior to fastening the unit to the radiator.

How do I convert from a fan clutch to a Thermatic® Fan?

Mechanical fans and/or fan clutches rely on mechanical drive from the engine in order to operate appropriately.

Fan Clutches are fluid coupling devices with built-in thermostat coil spring that detects the air temperature passing through the radiator and utilizes a clutch to engage or disengage the fan at a specified engine speed or temperature.

However, the fan's clutch never fully disengages; it keeps spinning at about 30 percent of the water pump speed at all times.

The clutch also limits how fast the fan can spin and only turns the fan at a fraction of the water pump speed, depending on engine speed and temperature.

Thermatic® Fans, on the other hand, operate totally independently and are controlled by a Thermatic® Switch which can be adjusted to engage at your engine's thermostat opening temperature to offer maximum cooling effect.

Considered a step up from fan clutches, Thermatic® Fans are typically lighter and release the parasitic power your engine expends spinning your fan clutch or beltdriven mechanical fan.

With no parasitic power loss and all the great benefits we mentioned above, Davies Craig Thermatic® Fans have become the preferred choice for many performance enthusiasts.

Select a Davies Craig Thermatic® Fan model which best suits your engine by using the measurement criteria below.

2 YEAR WARRANTY

WARRANTY STATEMENT

THERMATIC® FANS & THERMAL SWITCHES

We hereby guarantee that for a period of two years or 1,500 hours (whichever is the lesser) from the date of purchase we shall carry out free of cost any repairs that are reasonably necessary to correct any fault in the operation of your Thermatic® Fan provided that such a fault is directly attributable to a defect in the workmanship or the materials used in the manufacture of the Thermatic® fan. Labour and consequential costs excluded.

— DAVIES, CRAIG PTY LTD

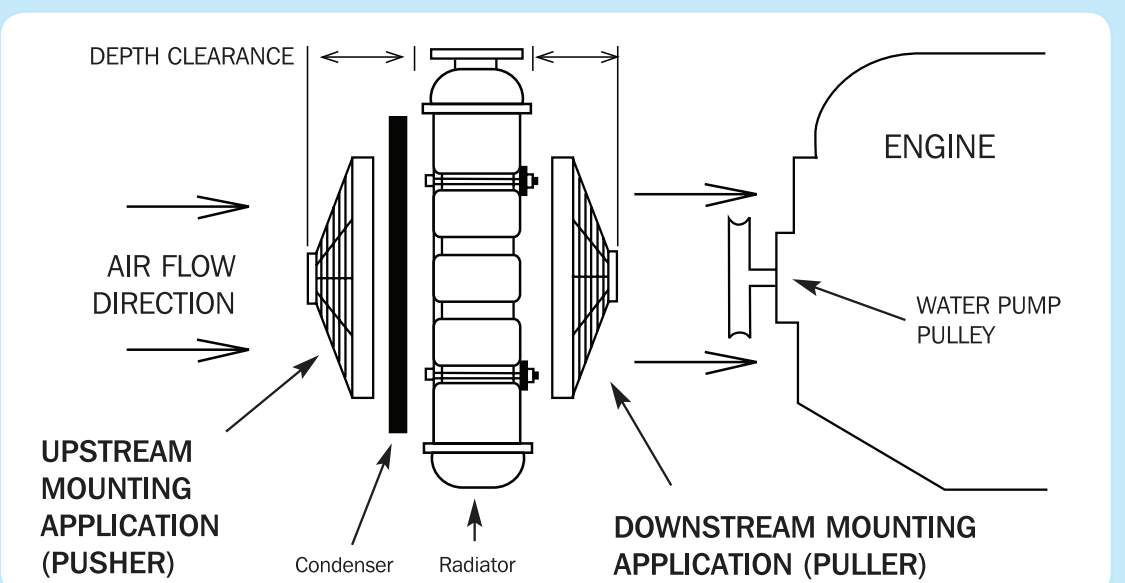
What size Thermatic® Fan do I need?

If your car make is not listed in our Model Selection Guide we suggest the following:

1. Measure your radiator core dimensions (width, depth and clearance - refer diagram below) and refer to "Fan Models" to check which fan/s will fit your core.
2. Davies Craig Thermaic® Fans are reversible (Ex: Brushless models) which means they can be mounted upstream or downstream, as illustrated below.
3. In general, one large fan will have better airflow than two smaller fans. Where radiator is rectangular there may be no choice but to fit two smaller fans; choose the largest that can be accommodated in space available.

The fan can also be mounted offset from centre to clear engine components when mounted in the downstream position.

Note: Fans should not be fitted on opposite sides of radiator core unless these are offset such that the airflow of one is not interfering with the airflow of the other.



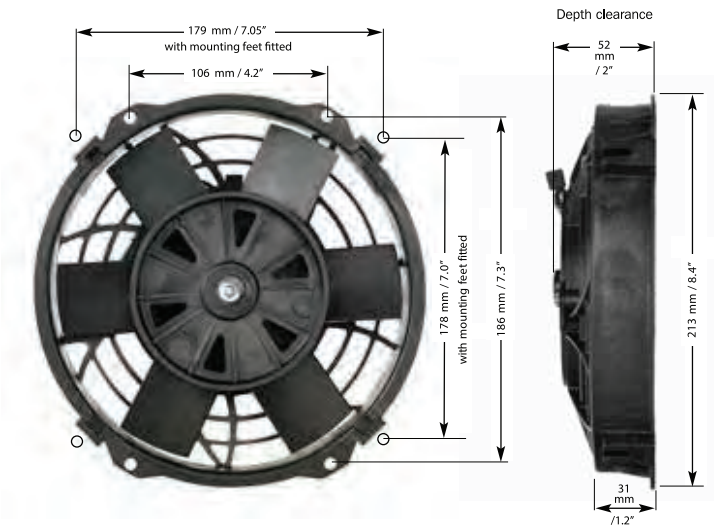
8” Thermatic® Fan

12V - Part # 0135
24V - Part # 0136

12 Volt	Part #	Description
	0135	8” Thermatic® Fan

24 Volt	Part #	Description
	0136	8” Thermatic® Fan

Dimensions



Specifications

Airflow	400 CFM (ft3/min)
Maximum current	5.0A (12 Volt) | 2.4A (24 Volt)
Weight	0.88 kg (1.94 lb)

Components

Part #	Description
0213	Motor (12 Volt)
0215	Motor (24 Volt)
0328	Rotor (reversible, glass-filled nylon)
0372	Shroud (glass-filled polypropylene)
0604	Mounting feet

Universal Fan Fitting Kits [sold separately]

Part #	Description
1000	Universal Fitting Kit (12 Volt)
1001	Universal Fitting Kit (24 Volt)

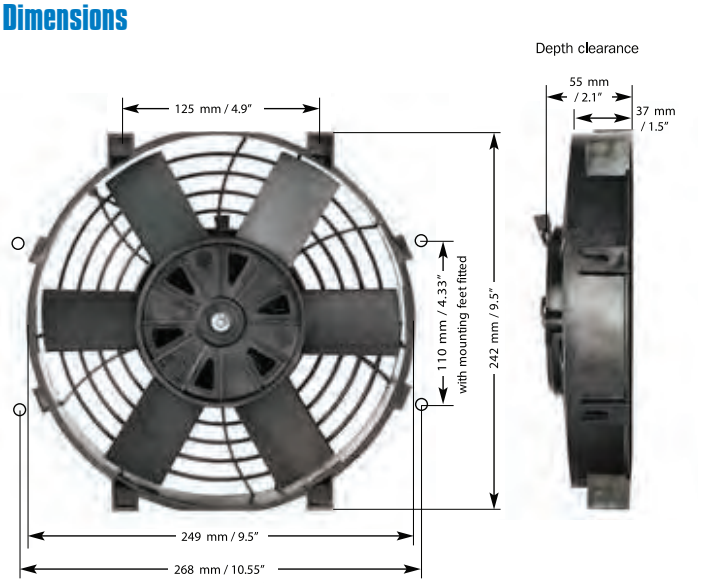
9” Thermatic® Fan

Part # 0160
Part # 0161

12 Volt	Part #	Description
	0160	9” Thermatic® Fan

24 Volt	Part #	Description
	0161	9” Thermatic® Fan

Dimensions



Specifications

Airflow	591 CFM (ft3/min)
Maximum current	6.5A (12 Volt) | 3.25 (24 Volt)
Weight	0.93 kg (2 lb)

Components

Part #	Description
0213	Motor (12 Volt)
0215	Motor (24 Volt)
0320	Rotor (reversible, glass-filled nylon)
0364	Shroud (glass-filled polypropylene)
0604	Mounting feet

Universal Fan Fitting Kits [sold separately]

Part #	Description
1000	Universal Fitting Kit (12 Volt)
1001	Universal Fitting Kit (24 Volt)

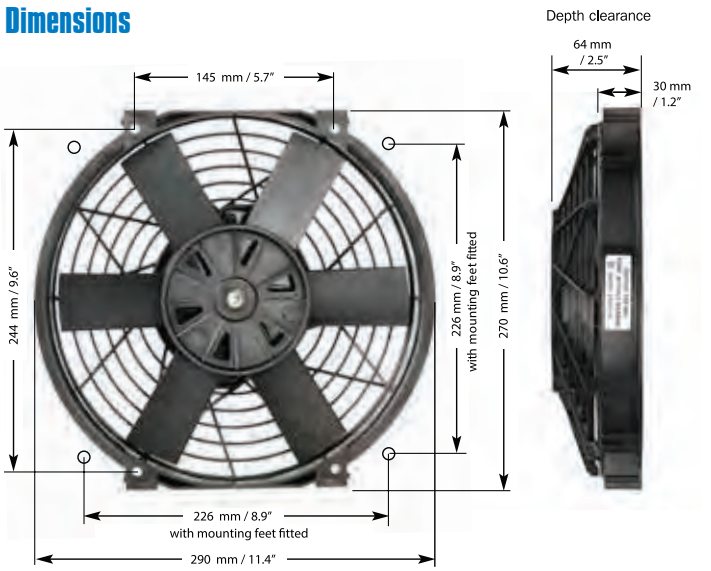
10” Thermatic® Fan

12V - Part # 0145
24V - Part # 0146

12 Volt	Part #	Description
	0145	10” Thermatic® Fan

24 Volt	Part #	Description
	0146	10” Thermatic® Fan

Dimensions



Specifications

Airflow	693 CFM (ft3/min)
Maximum current	7.0A (12 Volt) | 3.5A (24 Volt)
Weight	1.13 kg (2.5 lb)

Components

Part #	Description
0213	Motor (12 Volt)
0215	Motor (24 Volt)
0317	Rotor (reversible, glass-filled nylon)
0365	Shroud (glass-filled polypropylene)
0604	Mounting feet

Universal Fan Fitting Kits (sold separately)

Part #	Description
1000	Universal Fitting Kit (12 Volt)
1001	Universal Fitting Kit (24 Volt)

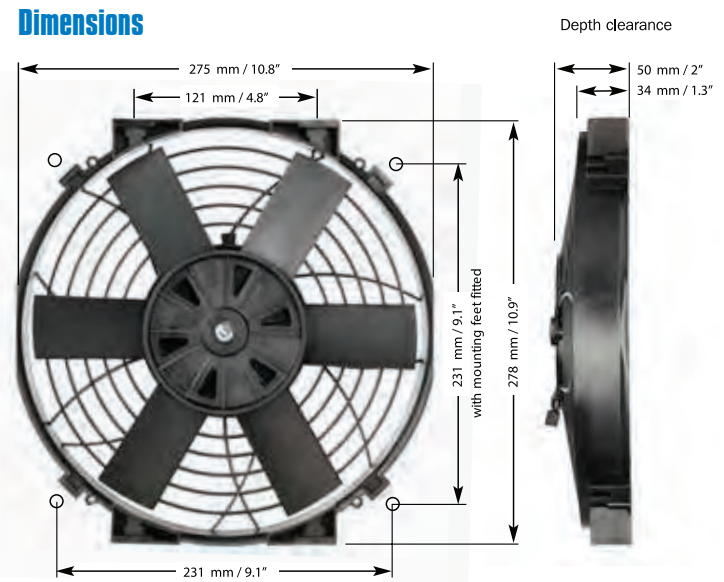
10” Slimline Thermatic® Fan

Part # 0147
Part # 0148

12 Volt	Part #	Description
	0147	10” Slimline Thermatic® Fan

24 Volt	Part #	Description
	0148	10” Slimline Thermatic® Fan

Dimensions



Specifications

Airflow	696 CFM (ft3/min)
Maximum current	7.0A (12 Volt) | 3.5A (24 Volt)
Weight	1.13 kg (2.5 lb)

Components

Part #	Description
0213	Motor (12 Volt)
0215	Motor (24 Volt)
0317	Rotor (reversible, glass-filled nylon)
0375	Shroud (glass-filled polypropylene)
0604	Mounting feet

Universal Fan Fitting Kits (sold separately)

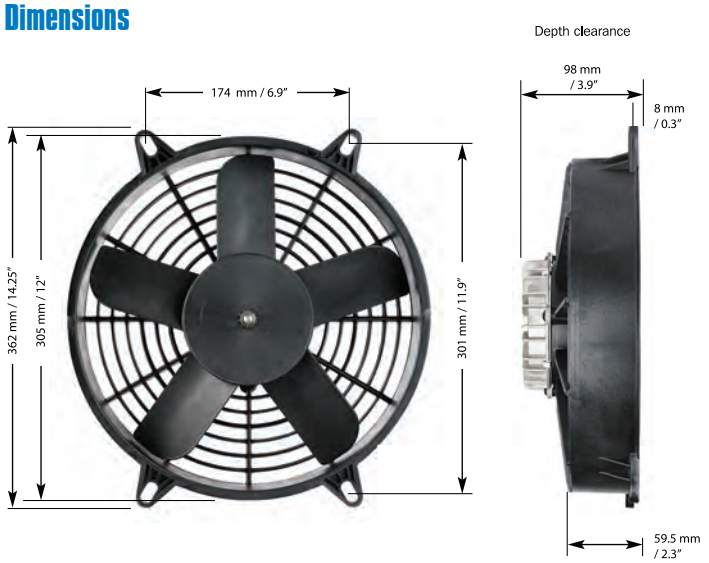
Part #	Description
1000	Universal Fitting Kit (12 Volt)
1001	Universal Fitting Kit (24 Volt)

11” Brushless Thermatic® Fan

12V - Part # 0120

12 Volt	Part #	Description
	0120	11” Brushless Thermatic® Fan

Dimensions



Specifications

Airflow	1050 CFM (ft3/min)
Maximum current	11.0A (12 Volt)
Weight	2.2 kg (2 lb)

Components

Description
Motor (12 Volt)
Rotor (glass-filled nylon)
Shroud (glass-filled polypropylene)

Universal Fan Fitting Kits (sold separately)

Part #	Description
1000	Universal Fitting Kit (12 Volt)

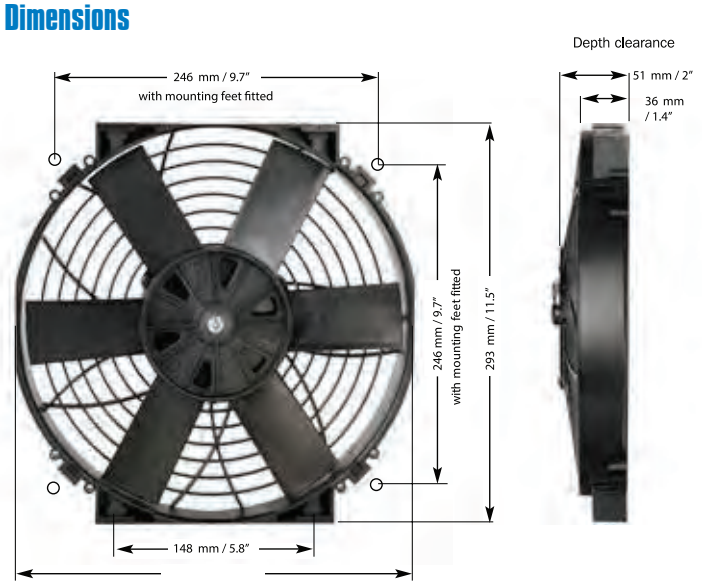
12” Thermatic® Fan

12V - Part # 0162
24V - Part # 0163

12 Volt	Part #	Description
	0162	12” Thermatic® Fan

24 Volt	Part #	Description
	0163	12” Thermatic® Fan

Dimensions



Specifications

Airflow	847 CFM (ft3/min)
Maximum current	9.0A (12 Volt) | 4.5 (24 Volt)
Weight	1.45 kg (2 lb)

Components

Part #	Description
0223	Motor (12 Volt)
0224	Motor (24 Volt)
0326	Rotor (reversible, glass-filled nylon)
0370	Shroud (glass-filled polypropylene)
0604	Mounting feet

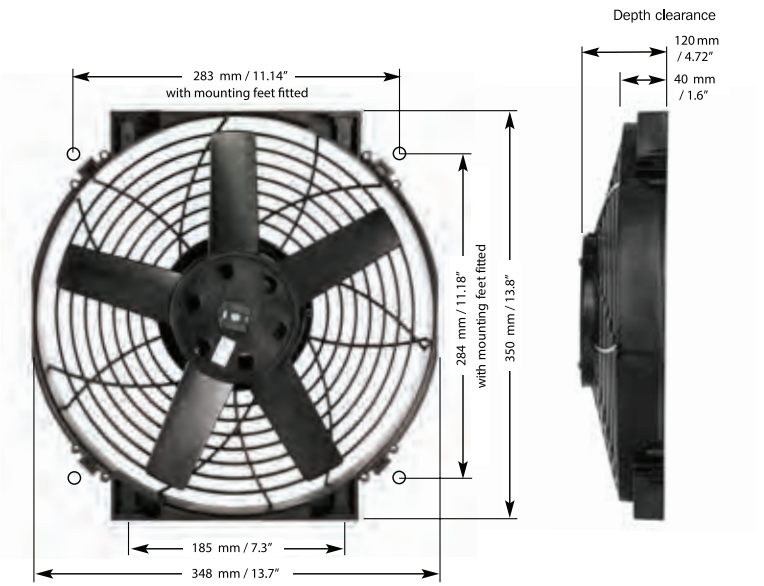
Universal Fan Fitting Kits (sold separately)

Part #	Description
1000	Universal Fitting Kit (12 Volt)
1001	Universal Fitting Kit (24 Volt)

14” Brushless Thermatic® Fan

12V - Part # 0140

12 Volt	Part #	Description
	0140	14” Brushless Thermatic® Fan



Specifications

Airflow	1021 CFM (ft3/min)
Maximum current	8.0A (12 Volt)
Weight	2.2 kg (4.85 lb)

Components

Part #	Description
0230	Motor (12 Volt)
0318	Rotor (glass-filled nylon)
0371	Shroud (glass-filled polypropylene)
0604	Mounting feet

Universal Fan Fitting Kits (sold separately)

Part #	Description
1000	Universal Fitting Kit (12 Volt)

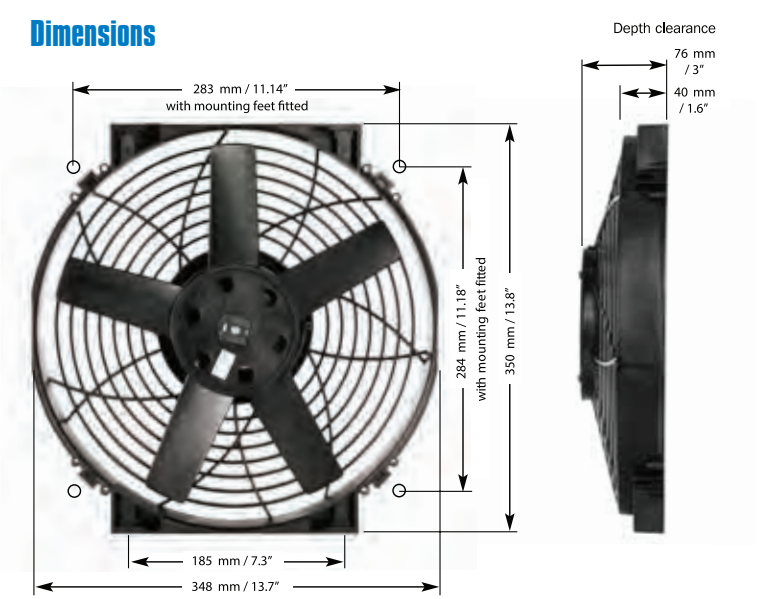
14” Slimline Thermatic® Fan

12V - Part # 0164
24V - Part # 0165

12 Volt	Part #	Description
	0164	14” Slimline Thermatic® Fan

24 Volt	Part #	Description
	0165	14” Slimline Thermatic® Fan

Dimensions



Specifications

Airflow	1021 CFM (ft3/min)
Maximum current	11.0A (12 Volt) | 5.5 (24 Volt)
Weight	1.5 kg (2 lb)

Components

Part #	Description
0205	Motor (12 Volt)
0206	Motor (24 Volt)
0318	Rotor (reversible, glass-filled nylon)
0371	Shroud (glass-filled polypropylene)
0604	Mounting feet

Universal Fan Fitting Kits (sold separately)

Part #	Description
1000	Universal Fitting Kit (12 Volt)
1001	Universal Fitting Kit (24 Volt)

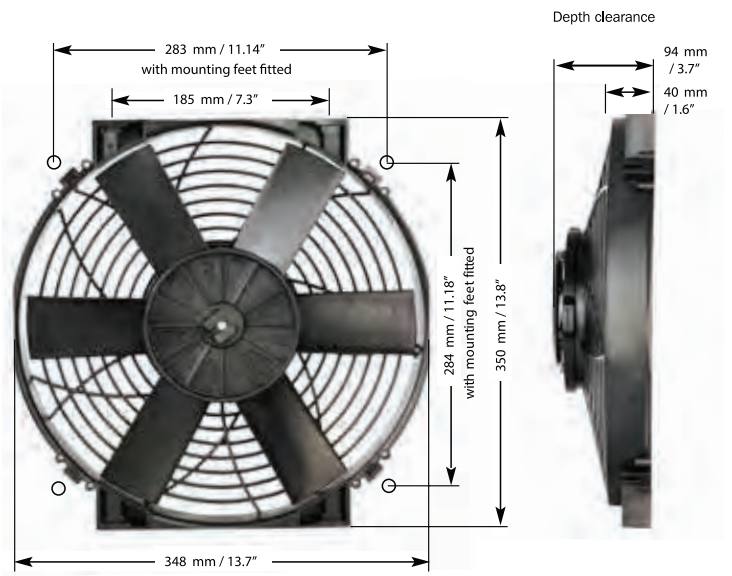
14” Hi-Power Thermatic® Fan

12V - Part # 0107
24V - Part # 0108

12 Volt	Part #	Description
	0107	14” Hi-Power Thermatic® Fan

24 Volt	Part #	Description
	0108	14” Hi-Power Thermatic® Fan

Dimensions



Specifications

Airflow	1500 CFM (ft3/min)
Maximum current	13.0A (12 Volt) | 6.5 (24 Volt)
Weight	2.5 kg (2 lb)

Components

Part #	Description
0220	Motor (12 Volt)
0221	Motor (24 Volt)
0327	Rotor (reversible, glass-filled nylon)
0371	Shroud (glass-filled polypropylene)
0604	Mounting feet

Universal Fan Fitting Kits (sold separately)

Part #	Description
1000	Universal Fitting Kit (12 Volt)
1001	Universal Fitting Kit (24 Volt)

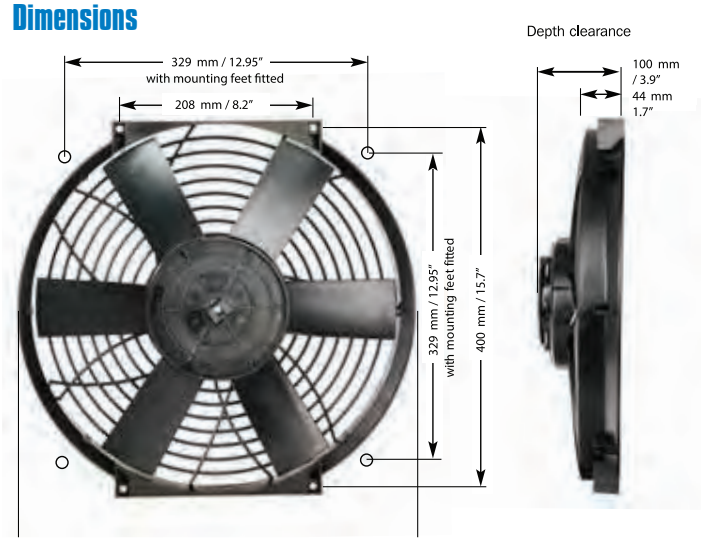
16” Thermatic® Fan

12V - Part # 0166
24V - Part # 0172

12 Volt	Part #	Description
	0166	16” Thermatic® Fan

24 Volt	Part #	Description
	0172	16” Thermatic® Fan

Dimensions



Specifications

Airflow	2120 CFM (ft3/min)
Maximum current	19.0A (12 Volt) | 9.5 (24 Volt)
Weight	3.0 kg (6.6 lb)

Components

Part #	Description
0220	Motor (12 Volt)
0221	Motor (24 Volt)
0322	Rotor (reversible, glass-filled nylon)
0366	Shroud (glass-filled polypropylene)
0604	Mounting feet

Universal Fan Fitting Kits (sold separately)

Part #	Description
1000	Universal Fitting Kit (12 Volt)
1001	Universal Fitting Kit (24 Volt)

Accessories

12 Volt - Part #1000 24 Volt - Part #1001

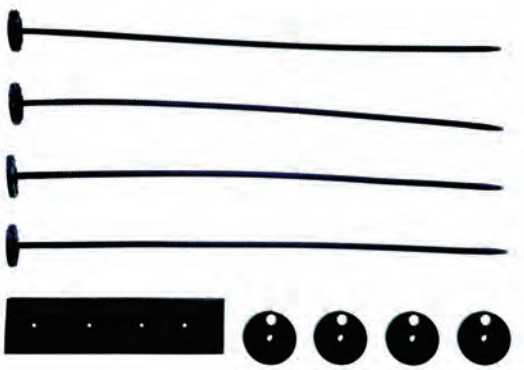
Universal Fan Fitting Kit

The Davies, Craig Universal Fan Fitting Kit includes all parts necessary for mounting and wiring any 12- and 24-volt electric fans – including all Davies, Craig Thermatic® Fans and other electric fan models.

Part #0579

Quick Fit Kit

The Davies, Craig Quick Fit Kit can be used for mounting any of the entire range of Davies, Craig's Thermatic® Fans and other electric fan models.



Part #1035

Low Coolant Level Alarm

12 & 24 Volt

The Davies, Craig Low Coolant Level Alarm monitors coolant levels in engines to help prevent overheating and consequential failure.

It simply fits to your engine's top radiator hose and alerts you to the loss of engine coolant.

This kit's module, mounted in the driving compartment, will sound an audible alarm and flash a bright red LED when the engine coolant level drops.

This situation can occur when a radiator hose splits or frays and starts to lose the engine's coolant, or if the vehicle's radiator were to spring a leak in the core.

Part #0422

Twin Fan Mounting Brackets

The Davies, Craig Twin Fan Mounting Brackets is designed to attach either two Davies, Craig 8" to 14" Thermatic® Fans or a single 16" Thermatic® Fan.

The Twin Fan Mounting Bracket Kit offers the freedom to preassemble the fans outside the engine bay. It also provides flexible positioning of the complete assembly on to the radiator without the need to connect through the radiator core. Length: 760mm.

fans not included

Thermatic® Fan Switches

Davies, Craig offers three types of Thermatic® Fan Switches:

- Part #0444 senses air temperature near the top radiator hose as it passes through the radiator or senses coolant temperature (with #0409) for single or twin fan operation.
- Part #0455 Premium Thermatic Switch senses both air or coolant temperatures (with #0409), single or twin fan operation, attractive dashboard mounted monitor.
- Part #0401 senses the coolant temperature after it passes through the engine block prior to entering the radiator.

Part #0400 is a combination of the unit #0401 (opposite) and the #0409 Hose Adaptor (opposite), offering probe placement in the top radiator hose.

Thermatic® Fan Switches feature:

- automatically activate the Thermatic® Fans at the set/targeted temperature when cooling is required;
- can be adjusted over a wide temperature range by simply turning a knob located on the control switch (#0401).
  Push-button scrolling through the 40°C to 110°C temperature range (#0444 & #0455);
- can be employed to operate the Electric Water Pump when operated as an auxiliary pump to the mechanical water pump;
- are ideal for dual-fan operation (#0444 & #0455).

Part #0444

Digital Thermatic® Fan Switch

12 & 24 Volt

The Digital Thermatic® Fan Switch can sense air or coolant temperature to automatically activate the Thermatic® Fans at your set/targeted temperature when extra cooling is needed.

With dual relays, the switch provides dual fan activation up to 50 Amps at an engine temperature range of 40°C to 110°C (104° to 230°F). Equipped with a proven sensor positioned for accurate temperature readings.

Simple, convenient DIY fitting.

Note: #0409 must be used for top radiator hose fitment.

Part #0455

Premium Digital Thermatic® Switch

12 & 24 Volt

The Premium Digital Thermatic® Switch automatically activates single or twin fans or a fan and Electric Water Pump at your set/targeted temperature when extra cooling is required.

Attractive compact dashboard, driving compartment mounting LED display module, this state-of-the-art switch can also operate your air conditioning fan.

- **Temperature Set LED**
- **Seperate LED indicators for each fan**
- **Air Conditioning override LED**
- **Temperature Sensor short circuit display**

The 5mm probe can be placed in the fins at the top of the radiator sensing air or in the top radiator hose (with #0409) to sense the engine coolant temperature.

Thermatic® Fan Switches

Part #0401

Mechanical Thermatic® Switch (12V & 24V)

The Mechanical Thermatic® Switch is adjustable from 40° to 100°C (104° to 212°F).

The Thermatic® Switch is mounted near the radiator and the stainless steel probe fitted inside the radiator hose.

The Thermatic® Switch is then connected to the ignition circuit for operation.

Part #0400

Thermatic® Switch Combo 12 & 24 Volt

Part #0400 is a combination of the unit #0401 and the #0409 Hose Adaptor, offering probe placement in the top radiator hose.

The thermal switch is adjustable from 40° to 100°C (104° to 212°F). No need to squeeze the probe of the Mechanical Thermal Switch between the radiator inlet and radiator hose. This simple kit allows easy fitting directly into the radiator hose.

Part #0404

Mechanical Thermatic® Switch (12V & 24V) plus Relay for Air Conditioning

The Mechanical Thermatic® Switch is adjustable from 40° to 100°C (104° to 212°F).

The Thermatic® Switch is mounted near the radiator and the stainless steel probe fitted inside the radiator hose. The Thermatic® Switch is then connected to the ignition circuit for operation.

The Thermatic® Switch and relay kit enables a fan to operate both thermally and also when the air conditioning is running.

Part #0409

Temperature Sensor Adaptor Kit

No need to squeeze the probe of the Mechanical Thermatic® Switch between the radiator inlet and radiator hose, or the radiator fins.

This simple, economical Adaptor Kit allows easy fitting directly into the top radiator hose. Just fit the probe into the compression fitting, remove about 17mm (2/3") of radiator hose, fit the adaptor between each hose and secure the hose clamps. The kit comes complete, as shown, for a watertight and effective probe installation. Extra rubber sleeves are supplied to enable fitment to radiator hose sizes from 32mm to 40mm (1¼" to 1½") diameter.

Suits all temperature sensors with either a 5mm (3/16") or a 6mm (1/4" outside diameter and temperature gauge senders with 6mm (1/4") NPT thread.

Note: This is an accessory for use with #0401, #0404, #0444 and #0455 Thermatic® Switches.

EWP®

REPLACES BELT-DRIVEN WATER PUMPS

Electric Water Pumps
Thermatic® Fans
Digital Controller

Fan Clutches

Fan clutches reduce the drain of engine power and improve the efficiency of a vehicle's cooling system. Fan clutches are fluid coupling devices which provide air flow through the radiator by using the water pump shaft to power a fan blade.

Fan clutch replacement may be required when any of the following problems exist:

- *engine overheating*
- *silicon leaking from fan clutch unit*
- *fan spins with little or no resistance (free wheels)*
- *greasy build up at thermal spring or where shaft exits rear housing*
- *fan clutch vibrates on shaft or will not turn*
- *squealing noises from bearing*

Note: the fan clutch should be checked for possible replacement when a water pump is installed.

Thermal Fan Clutches

Thermal fan clutches have a built-in thermostat coil spring that detects the air temperature passing through the radiator and air conditioning condenser. The fan clutch engages and provides air flow, only when cooling is needed. When disengaged, the fan clutch "powers down" reducing power drain and increasing fuel economy.

When engaged, the fan clutch spins at approximately 75% of the water pump speed.

The fan clutches disengage and spin at about 33% of the water pump's speed when cooling is not required.

This results in:

- *more efficient use of engine power*
- *improved fuel economy*
- *less fan noise*
- *extended belt and water pump life*

Non-Thermal Fan Clutches

Davies, Craig non-thermal fan clutches are constantly engaged and have a limited maximum spin rate. A non-thermal fan clutch achieves proper fan rotation speeds for necessary cooling; however, the constant engagement of the fan clutch decreases engine efficiency in comparison to a thermal fan clutch.

Import/Compact Fan Clutches

The slim-line design and the use of mounting studs (like OE) instead of bolts makes installation much easier. The lighter weight improves fuel economy and reduces stress on the water pump.

As with all Davies, Craig fan clutches, strict attention to quality standards is constantly maintained during manufacturing to provide better performance, easier installation and longer product life.

Competitor Cross-Reference

DAYCO PART #	DAVIES, CRAIG PART #
115011	2710
115014	5014
115038	5038
115049	2705
115062	2712
115063	2772
115071	2709
115072	5072
115073	5073
115081	2554
115081	5106
115082	5001
115085	2653
115087	2567
115088	5231
115092	2565
115101	5101
115103	5103
115105	5105
115106	5106
115124	5124
115203	5203
115205	5205

DAYCO PART #	DAVIES, CRAIG PART #
115247	5247
115499	5499
115556	2556
115558	2558
115559	2559
115561	2561
115562	2562
115591	2591
115650	2650
115655	2655
115656	2656
115659	2659
115661	2661
115663	5458
115733	2733
115747	2747
115765	2765
115774	2774
115783	2783
115796	2796
115-050472	5301
115-142419	2654
115-61120	2657

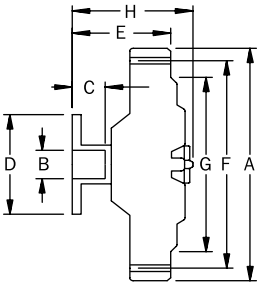
DAYCO PART #	DAVIES, CRAIG PART #
115-G607	2652
No cross reference	2557
No cross reference	2691
No cross reference	2731
No cross reference	2799
No cross reference	2803
No cross reference	2804
No cross reference	2805
No cross reference	2806
No cross reference	2807
No cross reference	2808
No cross reference	2809
No cross reference	5053
No cross reference	5102
No cross reference	5104
No cross reference	5107
No cross reference	5253
No cross reference	5265
No cross reference	5302
No cross reference	5408
No cross reference	5428
No cross reference	5459
No cross reference	5468

Source: Dayco Fan Clutch Catalogue

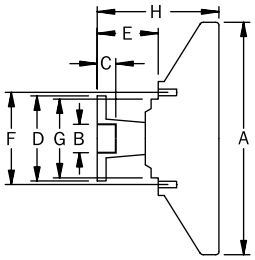
* CW = clockwise | CCW = counter clockwise when looking from the front of the vehicle

Fan Clutch – Mounting

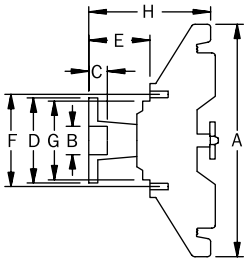
TYPE 1



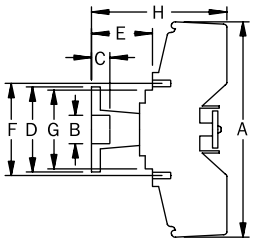
TYPE 2



TYPE 3



TYPE 4



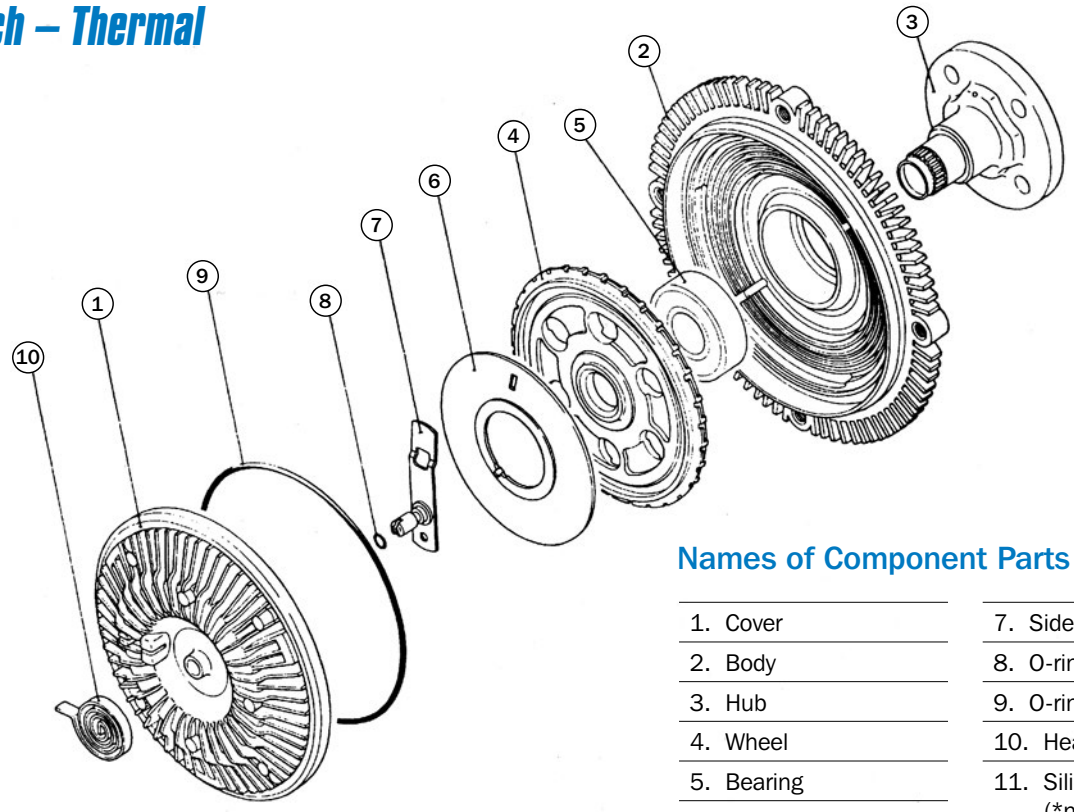
All dimensions in millimetres unless specified

Should a vehicle not appear in the Model Selection Guide, the critical measurements are B, C, D and F.

THERMAL

PART NO.	TYPE	ROTATION (looking from front of vehicle)*	OVERALL DIAMETER A	PILOT DIAMETER B	PILOT DEPTH C	FLANGE CIRCLE D	FAN MOUNT HEIGHT E	FAN BOLT CIRCLE F	FAN MOUNT DIAMETER G	OVERALL HEIGHT H	BOLT/NUT TYPE (Fan to Clutch)
2554	1	CW	148.6	16.0/24.4	19.1	78.0	49.8	121.9	103.9	62.2	6mm x 1.0 nut
2556	1	CW	148.6	16.0/25.9	15.2	76.2	44.7	127.8	89.9	57.2	6mm x 1.0 bolt
2557	1	CW	148.6	16.0	19.1	65.0	61.0	124.0	111.1	79.2	6mm x 1.0 bolt
2558	1	CW	148.6	15.0/19.0	12.7	65.0	44.5	121.9	103.9	57.9	6mm x 1.0 nut
2559	1	CW	148.6	16.0	22.4	57.9	54.6	121.9	103.9	67.8	6mm x 1.0 nut
2560	1	CW	148.6	16.0/32.0	12.7	76.2	49.3	133.9	119.9	61.0	6mm x 1.0 nut
2561	1	CW	148.6	16.0/32.0	22.4	76.2	53.3	121.9	103.9	64.3	6mm x 1.0 nut
2562	1	CW	142.0	16.0/24.1	23.6	68.1	40.6 rear	129.5	111.8	68.6	6mm x 1.0 bolt
2565	1	CW	148.6	16.0	12.7	57.9	46.0	121.9	103.9	58.4	6mm x 1.0 nut
2567	1	CW	148.6	16.0	17.8	68.6	51.6	121.9	103.9	64.0	6mm x 1.0 nut
2583	1	CW	113.0	23.9	6.1	52.3	47.2	98.0	82.0	68.8	6mm x 1.0 nut
2591	1	CW	137.9	left hand	thread on	32.0mm A/F	35.1	124.0	111.1	51.0	6mm x 1.0 bolt
2650	1	CW	157.5	16.0/32.0	19.8	76.2	59.9	143.5	128.8	74.9	6mm x 1.0 bolt
2652	1	CW	168.9	17.5	14.0	76.2	54.4	153.2	136.9	70.1	6mm x 1.0 bolt
2653	1	CW	168.9	16.0/25.7	22.9	78.0	62.0	135.9	103.9	77.0	6mm x 1.0 nut
2654	1	CW	168.9	16.0/24.1	21.6	68.1	59.4	153.2	136.9	74.4	6mm x 1.0 bolt
2655	1	CW	168.9	16.0/25.1	24.6	106.2	59.4	135.9	103.9	74.4	6mm x 1.0 nut
2656	1	CCW	168.9	16.0/32.5	22.9	94.0	64.8	135.9	103.9	80.3	6mm x 1.0 nut
2657	1	CW	168.9	16.0/25.7	22.9	78.0	62.0	135.9	103.9	77.0	6mm x 1.0 nut
2659	1	CW	168.9	15.0	17.3	69.3	58.2	135.9	103.9	73.2	6mm x 1.0 nut
2661	1	CW	168.9	16.0	21.1	78.0	72.4	135.9	103.9	87.4	6mm x 1.0 nut
2664	1	CW	157.5	16.0/32.0	12.7	76.2	59.9	143.5	128.8	74.4	6mm x 1.0 bolt
2678	1	CCW	168.9	16.0	22.4	92.2	65.8	135.9	103.9	83.3	6mm x 1.0 nut
2680	1	CW	168.9	16.0	22.4	66.0	57.2	153.2	136.9	74.7	6mm x 1.0 nut
2691	1	CW	159.8	left hand	thread on	32.0mm A/F	36.6	146.8	135.0	49.0	6mm x 1.0 bolt
2705	2	CW	183.6	16.0	26.2	65.8	38.9	82.6	66.3	78.5	5/16-18 bolt
2710	2	CW	183.6	16.0/19.1	19.1	59.2	44.5	76.2	59.9	84.6	5/16-18 bolt
2712	2	CW	183.6	left hand	thread on	32.0mm A/F	26.2	76.2	60.2	66.3	5/16-18 bolt
2731	3	CW	183.6	16.0	26.2	61.2	57.2	82.6	66.3	101.5	5/16-18 bolt
2733	3	CCW	183.6	16.0	26.2	65.8	44.5	82.6	66.3	91.4	5/16-18 bolt
2737	3	CCW	182.9	16.0	26.2	66.0	38.9	82.6	66.5	81.3	5/16-18 nut
2747	3	CW	183.6	16.0/19.1	16.0	65.8	41.1	82.6	66.3	88.1	5/16-18 bolt
2765	2	CW	183.6	16.0/19.1	14.2	58.9	27.7	82.6	66.3	67.8	5/16-18 bolt
2771	3	CCW	182.9	right hand	thread on	36.0mm A/F	44.5	82.6	66.5	88.1	5/16-18 nut
2772	2	CW	183.6	left hand	thread on	32.0mm A/F	26.2	82.6	66.3	69.9	5/16-18 bolt
2774	3	CCW	183.6	right hand	thread on	37.0mm A/F	31.8	82.6	66.3	75.7	5/16-18 bolt
2783	4	CCW	163.8	16.0	16.0	65.5	45.7	82.6	66.3	98.8	5/16-18 bolt
2796	4	CCW	163.8	16.0	16.0	62.5	41.4	82.6	66.3	94.2	5/16-18 bolt
2799	4	CW	163.8	19.1	16.0	65.5	41.4	82.6	66.3	94.2	5/16-18 bolt
2803	-	CW	152.5	bush - 23.5	–	–	–	100.0	85.5	32.0	7mm bolt & nut
2804	3	CW	152.5	left hand	thread on	32.0mm A/F	22.0	100.0	85.5	62.0	5/16-18 bolt
2805	3	CW	167.5	left hand	thread on	32.0mm A/F	28.5	82.6	66.6	70.0	5/16-18 bolt
2806	3	CCW	167.5	right hand	thread on	37.0mm A/F	28.5	82.6	66.6	70.0	5/16-18 bolt
2807	3	CW	152.5	left hand	thread on	32.0mm A/F	22.0	100.0	85.5	55.5	6mm x 1.0 bolt
2808	3	CW	167.5	left hand	thread on	32.0mm A/F	28.5	82.6	66.6	70.0	5/16-18 bolt
2809	4	CCW	163.1	right hand	thread on	37.0mm A/F	27.5	82.6	66.6	80.5	5/16-18 bolt
5001	1	CW	147.0	17.2/31.4	23.9	76.8	45.3	133.5	120.0	58.9	6mm x 1.0 bolt

Fan Clutch – Thermal



Names of Component Parts

1. Cover	7. Side valve
2. Body	8. O-ring
3. Hub	9. O-ring
4. Wheel	10. Heat element
5. Bearing	11. Silicon oil * (*not shown)
6. Operation plate	

THERMAL

PART NO.	TYPE	ROTATION (looking from front of vehicle)*	OVERALL DIAMETER A	PILOT DIAMETER B	PILOT DEPTH C	FLANGE CIRCLE D	FAN MOUNT HEIGHT E	FAN BOLT CIRCLE F	FAN MOUNT DIAMETER G	OVERALL HEIGHT H	BOLT/NUT TYPE (Fan to Clutch)
5014	1	CW	160.0	16.0	22.2	78.5	67.0	136.0	104.0	81.8	8mm
5038	1	CW	155.9	16.0/31.4	19.3	77.2	45.3	143.0	129.4	61.7	6mm x 1.0 bolt
5053	1	CW	154.0	32.0	11.5	78.0	62.0	143.0	129.0	80.0	6mm x 1.0 bolt
5072	1	CW	147.0	16.0/31.4	19.3	77.2	45.3	133.5	120.0	64.0	6mm x 1.0 bolt
5073	1	CW	155.9	16.0/31.4	19.0	77.2	45.3	143.0	129.4	68.4	6mm x 1.0 bolt
5101	1	CW	136.0	16.0/taper	7.0/23.2	75.7	67.0	122.0	104.0	86.7	6mm x 1.0 nut
5102	1	CW	135.7	16.0/taper	9.9/23.2	75.7	61.1	122.0	104.0	80.6	6mm x 1.0 nut
5103	1	CW	136.0	16.0	22.5	58.0	53.0	122.0	104.0	73.0	6mm x 1.0 nut
5104	1	CW	136.0	16.0/taper	12.0/21.5	76.0	51.0	122.0	104.0	70.7	6mm x 1.0 nut
5105	1	CW	136.0	16.0/taper	9.0/23.0	76.6	49.0	122.0	104.0	68.5	6mm x 1.0 nut
5106	1	CW	136.0	16.0/taper	9.2/23.2	75.5	48.8	122.0	104.0	68.5	6mm x 1.0 nut
5107	1	CW	135.5	16.0/48.0	9.6/27.0	76.0	51.5	122.0	105.8	71.0	6mm x 1.0 nut
5124	1	CW	160.0	16.0/taper	11.0/21.5	77.5	69.3	136.0	104.0	83.5	6mm x 1.0 nut
5203	1	CW	147.0	15.6/31.4	10.9/18.7	77.0	45.3	133.5	120.0	58.4	6mm x 1.0 bolt
5205	1	CW	147.0	15.6/31.4	10.9/18.7	77.0	45.5	133.5	120.0	58.5	6mm x 1.0 bolt
5231	1	CW	147.0	13.7/24.8	7.4/16.6	66.0	50.0	133.5	120.0	63.2	6mm x 1.0 bolt
5247	1	CW	148.6	14.2/24.9	7.4/16.6	65.5	56.1	133.9	120.0	68.8	6mm x 1.0 bolt
5253	1	CW	147.4	15.6/31.4	10.9/18.7	77.0	45.6	133.5	120.0	58.5	6mm x 1.0 bolt
5265	1	CW	156.0	15.6/31.4	10.9/18.7	77.2	55.0	142.6	129.0	72.0	6mm x 1.0 bolt
5301	1	CW	170.3	24.0	12.0	70.0	61.5	152.5	137.1	75.4	6mm x 1.0 bolt
5302	1	CW	135.0	32.0	23.2	73.0	55.0	122.0	104.0	74.5	6mm x 1.0 bolt
5407	1	CW	127.5	16.0	18.0	58.0	46.7	112.0	89.8	70.0	6mm x 1.0 bolt
5410	1	CW	164.0	16.0	23.5	78.0	68.7	136.0	104.0	84.0	6mm x 1.0 bolt
5411	1	CW	164.0	16.0	23.5	78.0	67.0	136.0	104.0	82.3	6mm x 1.0 bolt
5412	1	CW	164.0	22.0	23.5	78.0	76.0	136.0	104.0	91.3	6mm x 1.0 bolt
5428	1	CW	134.0	16.0	19.0	70.0	59.0	122.0	104.0	80.2	6mm x 1.0 bolt
5458	1	CW	165.0	16.0	26.5	76.0	68.8	136.0	104.0	87.6	6mm x 1.0 bolt
5459	1	CW	168.9	18.0	9.6	147.0	37.3	153.0	136.9	54.0	6mm x 1.0 bolt
5499	1	CW	165.1	16.0/taper	9.9/26.2	76.0	77.3	136.0	104.0	95.1	6mm x 1.0 2olt

NON-THERMAL

2709	2	CW	184.2	left hand	thread on	32.0mm 1/f	25.9	82.6	66.3	67.1	5/16-18 bolt
5408	2	CW	120.5	16.0/31.7	11.5/23.5	71.0	45.9	104.2	89.8	61.2	6mm x 1.0 bolt
5468	2	CW	142.8	24.0	18.8	68.0	37.8	100.0	83.9	62.1	6mm x 1.0 bolt

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AMC*					
* Call Davies, Craig for more information about Ambassador, Concord, Eagle, Gremlin, Hornet, Javelin, Matador, Pacer, Spirit & AMX models.					
BMW					
318i	85-91	L4	1.8	M10, E30	2591
	91-95	L4	1.8	M42, E36	2591
	96-98	L4	1.9	M44, E36	2591
318iS	91-95	L4	1.8	M42, E36	2591
	96-97	L4	1.9	M44, E36	2591
318Ti	96-00	L4	1.9	M44, E36	2591
320i	91-95	L6	2.0	M50, E36	2691
	00-05	L6	2.2	M54, E46	2691
323i	96-98	L6	2.5	M52, E36	2691
	99-00	L6	2.5	M52, E46	2691
323Ci	2000	L6	2.5	M52, E46	2691
325e	86-87	L6	2.7	M20, E30	2591
325i	88-91	L6	2.5	M20, E30	2591
	92-95	L6	2.5	M50, E36	2691
	00-05	L6	2.5	M54, E46	2691
325Ci	00-06	L6	2.5	M54, E46	2691
328i	95-00	L6	2.8	M52, E36	2691
	99-00	L6	2.8	M52, E46	2691
330i	00-05	L6	3.0	M54, E46	2691
520i	92-96	L6	2.0	M50, E34	2691
523i	96-00	L6	2.5	M52, E39	2691
525i	88-90	L6	2.5	M20, E34	2591
	91-95	L6	2.5	M50, E34	2691
	00-03	L6	2.5	M54, E39	2691
528e	85-88	L6	2.7	M20, E28	2591
528i	96-00	L6	2.8	M52, E39	2691
530i	00-01	L6	3.0	M54, E39	2691
535i	86-87	L6	3.4	M30, E28	2591
635csi	85-89	L6	3.5	M30, E32	2591
730i	90-92	L6	3.0	M30	2591
M3	94-96	L6	3.0	S50, E36	2691
	96-99	L6	3.2	S50B32, E36	2691
M5	87-88	L6	3.4	S38, E34	2591
M6	87-88	L6	3.4	S38, E24	2591
M Coupe / Roadster	98-00	L6	3.2		2691
X5	01-06	L6	3.0		2691
Z3	97-00	L6	2.8		2691
	97-99	L4	1.9	M44	2591
	01-02	L6	3.0		2691
BUICK*					
* Call Davies, Craig for more information about Century, Electra & Riviera models.					
CADILLAC*					
Brougham	82	V8	5.7 (350)	Diesel	2731
Calais	65-67	V8	7.0 (429)		2747
	68-74	V8	7.8 (472)		2747
	75-76	V8	8.0 (500)		2747
* Call Davies, Craig for more information about Brougham, DeVille, Eldorado, Fleetwood & Seville models.					
CHEVROLET*					
Chevrolet	67-81	V8		Small block 350 (most)	2705
	67-69	V8		Small block 327	2705
	67-81	V8		Small block 350 (most heavy duty)	2747
	70-76	V8		Big block (most)	2705
	70-76	V8		Big block (most heavy duty)	2747
	71-73	V8		Small block 307	2705
	76-85	V8		Small block 305	2705
* Call Davies, Craig for more information about Camaro, Caprice, Chevelle, Corvette, El Camino, Impala, Malibu, Monte Carlo, Monza, Nova and some GMC light truck models.					

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CHRYSLER					
Valiant	63-69	V8	4.5 (273)		2705
	69-81	V8	5.2 (318)		2705
	69-81	V8	5.6 (340)		2705
	69-81	V8	5.9 (360)		2705
DAIHATSU					
Delta	85-88	L4	2.0	3Y, V67, V68, V107	5103
	84-89	L4	3.4	13B, V76, V78, V79	5105
	81-90	L4	3.0	B, V90	5105
Rocky	84-02	L4	2.0	3Y	5103
FORD					
Bronco	81-85	V8	5.8		2710
	81-85	V8	5.8	Air conditioning	2747
	86	V8	5.0		2710
	86	V8	5.0	Air conditioning	2747
Corsair	89-92	L4	2.0	CA20ES	5231
Cortina	80-82	L6	3.3	X Flow with air conditioning	2712
	80-82	L6	4.1	X Flow with air conditioning	2712
Courier	85-91	L4	2.0		2652
	82-95	L4	2.2	Diesel	2562
	87-89	L4	2.6	4G54	2565
	87-90	L4	2.6	SG, HG	5407
	90-00	L4	2.6	G6	2652
Econovan	85-05	L4	2.0	FE	5468
F100	65-66	L6	3.7 (223)		2710
	67-74	L6	3.9 (240)		2710
	71-76	V8	4.9 (302)	Excl. Pony option	2710
	74-76	L6	4.1 (250)		2710
	77-85	L6	4.1		2710
	77-79	V8	4.9	Excl. Pony option	2710
	78-84	V8	5.8		2710
	78-84	V8	5.8	Air conditioning	2747
F150	87-90	V8	5.0		2733
	90-93	V8	5.8		2733
	90-93	V8	5.8	Air conditioning 19” fan	2783
F250	65-66	L6	3.7 (223)		2710
	67-74	L6	3.9 (240)		2710
	74-76	L6	4.1 (250)		2710
	75-76	V8	4.9 (302)	Excl. Pony option	2710
	77-85	L6	4.1		2710
	77	V8	4.9	Excl. Pony option	2710
	78-85	V8	5.8		2710
	78-85	V8	5.8	Air conditioning	2747
F350	67-74	L6	3.9 (240)		2710
	74-76	L6	4.1 (250)		2710
	75-76	V8	4.9 (302)	Excl. Pony option	2710
	77-85	L6	4.1		2710
	75-76	V8	4.9 (302)	Excl. Pony option	2710
	77-85	L6	4.1		2710
	77-86	V8	4.9	Excl. Pony option	2710
	78-79	V8	5.8		2710
	78-79	V8	5.8	Air conditioning	2747
	87-89	V8	5.0		2733
	87-89	V8	5.0	Air conditioning	2783
	91-93	V8	5.8	Injected	2733
	91-93	V8	5.8	Air conditioning, injected	2733
Fairlane	69-70	V8	4.9 (302)	ZC	2710
	69-70	V8	5.8 (351)	ZC	2710
	71	L6	4.1 (250)	ZD	2712
	71	V8	4.9 (302)	ZD	2710
	71	V8	5.8 (351)	ZD	2710
	72-73	L6	4.1 (250)	ZF	2712

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Fairlane (ctd)	72-73	V8	4.9 (302)	ZF	2710
	72-73	V8	5.8 (351)	ZF	2710
	74-75	L6	4.1 (250)	ZG	2712
	74-76	V8	4.9 (302)	ZG	2710
	74-76	V8	5.8 (351)	ZG	2710
	76-79	V8	4.9	ZH	2710
	76-79	V8	5.8	ZH	2710
	79-82	L6	4.1	ZJ	2712
	79-82	V8	4.9	ZJ	2710
	79-82	V8	5.8	ZJ	2710
	82-83	L6	4.1 (250)	ZK	2712
	83-84	L6	4.1 (250)	ZK Injected	2712
	82	V8	4.9	ZK	2710
	84-86	L6	4.1 (250)	ZL	2712
	84-88	L6	4.1 (250)	ZL Injected	2712
	88-89	L6	3.9	NA	2709
	89-91	L6	3.9	NA II	2709
	88-89	L6	3.9	NA 10-blade fan	2772
	89-91	L6	3.9	NA II 10-blade fan	2772
	91-92	L6	3.9	NC	2772
	91-92	V8	5.0	NC	2774
	92-94	L6	4.0	NC II	2772
	92-94	V8	5.0	NC II	2774
	94	L6	4.0	NF	2772
	94	V8	5.0	NF	2774
	95-96	V8	5.0	NF II	2774
	97-98	V8	5.0	NL	2774
Falcon/Fairmont	72-73	L6	3.3 (200)	XA	2712
	72-73	L6	4.1 (250)	XA	2712
	72-73	V8	4.9 (302)	XA	2710
	72-73	V8	5.8 (351)	XA	2710
	74-76	L6	3.3 (200)	XB	2712
	74-76	L6	4.1 (250)	XB	2712
	74-76	V8	4.9 (302)	XB	2710
	74-76	V8	5.8 (351)	XB	2710
	76-79	L6	3.3	XC Air conditioning	2712
	76-79	L6	4.1	XC Air conditioning	2712
	76-79	V8	4.9	XC	2710
	76-79	V8	5.8	XC	2710
	79-82	L6	3.3	XD Air conditioning	2712
	79-82	L6	4.1	XD Air conditioning	2712
	79-82	V8	4.9	XD	2710
	79-81	V8	5.8	XD	2710
	82-84	L6	3.3	XE Air conditioning	2712
	82-84	L6	4.1	XE Air conditioning	2712
	84	L6	4.1	XE Injected, air conditioning	2712
	82	V8	4.9	XE	2710
	82	V8	5.8	XE	2710
	84-87	L6	3.3	XF Air conditioning	2712
	84-93	L6	4.1	XF Air conditioning	2712
	84-87	L6	4.1	XF Injected, air conditioning	2712
	88-89	L6	3.2	EA	2709
	88-89	L6	3.9	EA 5-blade	2709
	88-89	L6	3.9	EA 10-blade	2772
	89	L6	3.9	EA Multipoint 5-blade	2709
	89	L6	3.9	EA Multipoint 10-blade	2772
	89-91	L6	3.9	EA II 5-blade	2709
	89-91	L6	3.9	EA II 10-blade	2772
	90-91	L6	3.9	EA II Multipoint 5-blade	2709
	90-91	L6	3.9	EA II Multipoint 10-blade	2772
	91-92	L6	3.9	EB 5-blade	2709
	91-92	L6	3.9	EB 10-blade	2772

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Falcon/Fairmont (ctd)	91-92	V8	5.0	EB	2774
	92-93	L6	4.0	EB II	2772
	92-93	V8	5.0	EB II	2774
	93-94	L6	4.0	ED	2772
	93-94	V8	5.0	ED	2774
	93-96	L6	4.0	XG 5-blade	2709
	93-96	L6	4.0	XG 10-blade	2772
	94-95	L6	4.0	EF	2772
	94-95	V8	5.0	EF	2774
	95-96	V8	5.0	EF II	2774
	96-98	V8	5.0	EL	2774
	97-99	V8	5.0	XH II	2774
Falcon Utility	76-93	L6	3.3/4.1	X Flow XC, XD, XE, XF,	2712
	93-96	L6	4.0	OHC XG Longreach 5-blade fan	2709
	93-96	L6	4.0	OHC XG Longreach 10-blade fan	2772
	97-99	V8	5.0	XH II	2774
LTD	73-75	V8	5.8 (351)		2710
	75-76	V8	5.8 (351)		2710
	76-78	V8	5.8 (351)		2710
	78-79	V8	5.8 (351)		2710
	79-82	L6	4.1	FC	2712
	79-82	V8	5.8 (351)	FC	2710
	82-84	L6	4.1	FD	2712
	82-84	V8	4.9	FD	2710
	82-84	V8	5.8 (351)	FD	2710
	84-88	L6	4.1	FE	2712
	88-89	L6	3.9	DA 5-blade	2709
	88-89	L6	3.9	DA 10-blade	2772
	89-91	L6	3.9	DA II 5-blade	2709
	89-91	L6	3.9	DA II 10-blade	2772
	91-92	L6	3.9	DC	2772
	91-95	V8	5.0	DC	2774
	92-95	L6	4.0	DC	2772
	95	L6	4.0	DF	2772
	95	V8	5.0	DF	2774
	95-96	L6	4.0	DF II	2772
	95-96	V8	5.0	DF II	2774
	96-99	V8	5.0	DL	2774
Maverick	88-94	L6	4.2	-10/91	5038
	88-94	L6	4.2	10/91-2/94 TB42S	5072
	88-94	L6	4.2	2/94- TB42E	5073
	88-94	L6	4.2	Diesel	5205
Mustang	65-68	V8	4.7 (289)		2710
	68-73	V8	4.9 (302)		2710
	69-72	V8	5.8 (351)	Inc. Mach 1	2710
Raider	91-96	L4	2.6	G6	2652
Spectron	83-84	L4	1.6	F8	5468
	84-86	L4	1.8	F8	5468
	85-90	L4	2.0	F8	5468
HOLDEN					
Belmont	69	V8	4.2 (253)	HK	2705
	69-71	V8	4.2 (253)	HT	2705
	70-71	V8	5.0 (307)	HT	2705
	71-72	V8	5.0 (308)	HG	2705
	71-72	V8	4.2 (253)	HG	2705
	72-75	V8	4.2 (253)	HQ	2705
	72-75	V8	5.0 (308)	HQ	2705
	75-76	V8	4.2	HJ	2705
	76-78	V8	4.2	HX	2705
	78-80	V8	4.2	HZ	2705
Brock	80-81	V8	5.0	VC HDT	2705
	82-84	V8	4.2	VH HDT	2705

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Brock (ctd)	82-84	V8	5.0	VH HDT	2705
	84-86	V8	5.0	VK SS inc. Group 3	2705
	85-86	V8	4.9	VK SS	2705
	86-87	V8	4.9	VL SS	2705
	88	L6	3.0	VL	5001
	88	V8	5.0	VL	2705
Brougham	68-69	V8	5.0 (307)	HK	2705
	69-70	V8	5.0 (308)	HT	2705
	70-71	V8	5.0 (308)	HG	2705
Calais	84-86	L6	3.3	VK	2705
	84-86	V8	5.0	VK	2705
	86-88	L6	3.0	VL	5001
	86-88	L6	3.0	VL Turbo	5001
	86-88	V8	5.0	VL	2705
	89-91	V8	5.0	VN	2705
	91-92	V8	5.0	VP	2705
	92-93	V8	5.0	VP II	2705
	93-95	V8	5.0	VR	2705
	95	V8	5.0	VR II	2705
	95-96	V8	5.0	VS	2705
	96-97	V8	5.0	VS II	2705
	97-99	V8	5.0	VT	2705
	97-99	V8	5.7	VT II	2705
Caprice	75-76	V8	5.0	HJ	2705
	76-78	V8	5.0	HX	2705
	78-80	V8	5.0	HZ	2705
	80-85	V8	5.0	WB	2705
	90-91	V8	5.0	VQ	2705
	92-94	V8	5.0	VQ II	2705
	94-95	V8	5.0	VR	2705
	95-96	V8	5.0	VS	2705
	96-98	V8	5.0	VS II	2705
	98-99	V8	5.0	VS III	2705
Commodore	78-80	L6	2.8	VB	2705
	78-80	L6	3.3	VB	2705
	78-80	V8	4.2	VB	2705
	78-80	V8	5.0	VB	2705
	80-81	L4	1.9	VC	2705
	80-81	L6	2.8	VC	2705
	80-81	L6	3.3	VC	2705
	80-81	V8	4.2	VC	2705
	80-81	V8	5.0	VC	2705
	81-84	L4	1.9	VH	2705
	81-84	L6	2.8	VH	2705
	81-84	L6	3.3	VH	2705
	81-84	V8	4.2	VH	2705
	81-84	V8	5.0	VH	2705
	84-86	L6	3.3	VK	2705
	84-86	L6	3.3	VK Injected	2705
	84-86	V8	5.0	VK	2705
	85-86	V8	4.9	VK	2705
	86-88	L6	3.0	VL	5001
	86-88	L6	3.0	VL Turbo	5001
	86-87	V8	4.9	VL	2705
	86-88	V8	5.0	VL	2705
	89-91	V8	5.0	VN	2705
	91-92	V8	5.0	VP	2705
	92-93	V8	5.0	VP II	2705
	93-94	V8	5.0	VR	2705
	94-95	V8	5.0	VR II	2705
	95-96	V8	5.0	VS	2705
	96-98	V8	5.0	VS II	2705

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Commodore (ctd)	97-99	V8	5.0	VT	2705
	98-00	V8	5.0	VS III	2705
Frontera	95-98	L4	2.0	M7	5302 or 2561
	99-00	L4	2.2	MX	5302 or 2561
Jackaroo	81-87	L4	1.9		5302 or 2561
	82-83	L4	2.0		5302 or 2561
	82-85	L4	2.2		2561 or 5302
	85-92	L4	2.3	UBS16, 4ZD1 with front mount fan	2567
	88-92	L4	2.6	UBS17, 4ZE1 with front mount fan	2567
	92-98	L4	2.6	UBS25, 4ZE1	5428
	92-98	V6	3.2	UBS25, 6VD-1	5458
	99-00	V6	3.8	VT II Supercharged	5302 or 2561
	99-00	V8	5.7	VT II	5302 or 2561
	00-01	V6	3.8	VX	5302 or 2561
	00-01	V6	3.8	VX Supercharged	2567
	00-01	V8	5.7	VX	2567
	01-02	V6	3.8	VX II	5428
	01-02	V6	3.8	VX II Supercharged	5458
Kingswood	68-69	V8	5.0 (308)	HK	2705
	68-69	V8	5.0 (307)	HK	2705
	69-70	V8	4.2 (253)	HT	2705
	69-70	V8	5.0 (307)	HT	2705
	70	V8	5.0 (308)	HT	2705
	70-71	V8	4.2 (253)	HG	2705
	70-71	V8	5.0 (307)	HG	2705
	71	V8	5.0 (308)	HG	2705
	71-75	V8	4.2 (253)	HQ	2705
	71-75	V8	5.0 (308)	HQ	2705
	75-76	V8	4.2	HJ	2705
	75-76	V8	5.0	HJ	2705
	76-77	V8	4.2	HX	2705
	76-77	V8	5.0	HX	2705
	77-81	V8	4.2	HZ	2705
	77-81	V8	5.0	HZ	2705
	81-85	V8	4.2	WB	2705
Monaro	68-69	V8	5.0 (307)	HK	2705
	68-69	V8	5.3 (327)	HK	2705
	69-70	V8	4.2 (253)	HT	2705
	69-70	V8	5.7 (350)	HT	2705
	70	V8	5.0 (308)	HT	2705
	70-71	V8	4.2 (253)	HG	2705
	70-71	V8	5.0 (308)	HG	2705
	70-71	V8	5.7 (350)	HG	2705
	71-75	V8	4.2 (253)	HQ	2705
	71-75	V8	5.0 (308)	HQ	2705
	71-75	V8	5.7 (350)	HQ	2705
	75-76	V8	4.2	HJ	2705
	75-76	V8	5.0	HJ	2705
	76-77	V8	4.2	HX	2705
	76-77	V8	5.0	HX	2705
	77-78	V8	4.2	HZ	2705
	77-78	V8	5.0	HZ	2705
Premier	68-69	V8	5.0 (307)	HK	2705
	69-70	V8	4.2 (253)	HT	2705
	70	V8	5.0 (308)	HT	2705
	70-71	V8	4.2 (253)	HG	2705
	70-71	V8	5.0 (308)	HG	2705
	71-75	V8	4.2 (253)	HQ	2705
	71-75	V8	5.0 (308)	HQ	2705
	75-76	V8	4.2 (253)	HJ	2705
	75-76	V8	5.0 (308)	HJ	2705
	76-77	V8	4.2 (253)	HX	2705

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Premier (ctd)	76-77	V8	5.0 (308)	HX	2705
	77-79	V8	4.2 (253)	HZ	2705
	77-79	V8	5.0 (308)	HZ	2705
Rodeo	81-88	L4	2.0	KBD26/41, C190	2561 or 5302
	83-85	L4	1.8	KB26, KB42, KB47	2561 or 5302
	81-87	L4	2.2	KBD27/43, UBS16, inc. Turbo C223	2561 or 5302
	85-88	L4	2.2	Diesel	2561 or 5302
	85-91	L4	2.3	KB28/KB49, 4ZDI	2567
	85-	L4	2.0	KB28	2561 or 5302
	88-98	L4	2.6	Injected HK, HM, 4ZEI, front mount fan	2567
	88-03	L4	2.8	Turbo Diesel HK, HM, HP, HW, 4JBI	5302 or 2561
	91-93	L4	2.3	TF, 4ZDI	2567
	98-03	V6	3.2	HW, 6VDI	5458
	98-	L4	2.6	TF, 4ZEI	5428
Statesman	71-75	V8	4.2 (253)	HQ	2705
	71-75	V8	5.0 (308)	HQ	2705
	71-75	V8	5.7 (350)	HQ	2705
	75-76	V8	5.0 (308)	HJ	2705
	76-77	V8	5.0 (308)	HX	2705
	77-79	V8	5.0 (308)	HZ	2705
	80-85	V8	5.0 (308)	WB	2705
	90-91	V8	5.0 (308)	VQ	2705
	91-94	V8	5.0 (308)	VQ II	2705
	94-95	V8	5.0 (308)	VR	2705
	95-96	V8	5.0 (308)	VS	2705
	96-98	V8	5.0 (308)	VS II	2705
	98-99	V8	5.0 (308)	VS III	2705
Sunbird	76-78	L4	1.9	LX	2705
	78-80	L4	1.9	UC	2705
Torana	74-76	L4	1.9	LH	2705
	74-76	L6	2.8	LH	2705
	74-76	L6	3.3	LH	2705
	74-76	V8	4.2	LH	2705
	74-76	V8	5.0	LH	2705
	76-78	L4	1.9	LX	2705
	76-78	L6	2.8	LX	2705
	76-78	L6	3.3	LX	2705
	76-78	V8	4.2	LX	2705
	76-78	V8	5.0	LX	2705
	78-79	L6	2.8	UC	2705
	78-79	L6	3.3	UC	2705
Ute	90-00	V8	5.0	VG, VP, VR, VS, VU, 5000EFI	2705
One Tonne	80-85	L6	3.3		2705
WB	80-85	L6	2.3 & 3.3		2705
	80-85	V8	4.2 & 5.1		2705
HSV					
Calais	88	V8	5.0		2705
Caprice	94-95	V8	5.0	VR	2705
	95-96	V8	5.0	VS	2705
	96-98	V8	5.0	VS II	2705
Clubsport	93-95	V8	5.0	VR	2705
	95-96	V8	5.0	VS	2705
	96-97	V8	5.0	VS II	2705
	97-99	V8	5.0	VT	2705
Commodore	88	V8	5.0	VL	2705
	88-91	V8	5.0	VN	2705
Grange	96-98	V8	5.0	VS II	2705
	96-98	V8	5.7	VS II	2705
	98-99	V8	5.0	VS III	2705
	98-99	V8	5.7	VS III	2705
GTS	92-94	V8	5.0	VP	2705
	94-95	V8	5.7	VR	2705

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GTS (ctd)	95-96	V8	5.7	VS	2705
	96-97	V8	5.7	VS II	2705
	97-00	V8	5.7	VT	2705
Jackaroo	93	V6	3.2		5458
LS	91-92	V8	5.0	VG	2705
	92-93	V8	5.0	VP	2705
Maloo	90-92	V8	5.0	VG	2705
	92-93	V8	5.0	VP	2705
	93-95	V8	5.0	VR	2705
	95-96	V8	5.0	VS	2705
	96-98	V8	5.0	VS II	2705
	98-01	V8	5.0	VS III	2705
Manta	95-96	V8	5.0	VS	2705
	96-97	V8	5.0	VS II	2705
	97-99	V8	5.0	VT	2705
Senator	92-93	V8	5.0	VP	2705
	93	V8	5.0	VP II	2705
	93-95	V8	5.0	VR	2705
	94-95	V8	5.7	VR	2705
	95-96	V8	5.0	VS	2705
	95-96	V8	5.7	VS	2705
	96-97	V8	5.0	VS II	2705
	96-97	V8	5.7	VS II	2705
	97-99	V8	5.0	VT	2705
	97-99	V8	5.7	VT	2705
Sport	91-93	V8	5.0	VP	2705
	93	V8	5.0	VP II	2705
Statesman	90-92	V8	5.0	VQ	2705
	92-94	V8	5.0	VQ II	2705
	94-95	V8	5.0	VR	2705
	94-95	V8	5.7	VR	2705
	95-96	V8	5.0	VS	2705
	95-96	V8	5.7	VS	2705
SV Clubsport	90-91	V8	5.0	VN	2705
	91-93	V8	5.0	VP	2705
	93	V8	5.0	VP II	2705
SV91	91-93	V8	5.0	VP	2705
XU8	99	V8	5.0	VT	2705
JAGUAR					
XJ6	69-73	L6	4.2	Series 1	2705
	74-75	L6	4.2	Series 2	2705
	80-86	L6	4.2	Series 3	2765
	87-92	L6	3.6	XJ40	2765
	89-92	L6	4.0	XJ40	2765
	92-94	L6	3.2	XJ40	2765
	92-94	L6	4.0	XJ40	2765
XJS	92-96	L6	4.0		2765
JEEP					
Cherokee	80-85	V8	5.9		2705
	84-85	L6	4.2		2705
	94-01	L6	4.0		2705
	94-01	L6	4.0	Severe duty	2796
CJ 5	68-77	L6	3.8		2705
CJ 6	67-77	L6	3.8		2705
CJ 7	78-80	L6	3.8		2705
Grand Cherokee	91-93	L6	5.2		2774
	96-99	L6	4.0		2737
	96-99	L6	4.0	Maximum cooling	2796
J20	82-85	V8	5.9		2705
Wrangler	96-00	L6	4.0	TJ	2737
	00-07	L6	4.0	TJ	2771

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LAND ROVER					
110	84-91	V8	3.5		2803
	84-91	V8	3.5	EFI	2805
Defender	94-07	L4	2.5	TD	2804
	07-	L4	2.4	TD	2804
Discovery	-94	V8	3.5	EFI Up to VIN LA (11-blade fan)	2805
	94-	V8	3.5	EFI VIN MA (7-blade fan)	2806
	91-93	L4	2.0	Tdi 2000 Discovery	2807
	92-99	L4	2.5	Tdi Discovery I	2804
	93-99	V8	3.9	Discovery I	2806
	94-98	L4	3.0	Tdi Discovery	2808
	99-04	L5	2.5	Tdi Discovery II	2804
	99-04	V8	4.0	Discovery II	2809
Discovery 3	05-	V8	4.0		2809
Range Rover	72-86	V8	3.5	EFI/CARB (7-blade fan)	2803
	86-90	V8	3.5	EFI (11-blade fan)	2805
	90-95	V8	3.9	EFI (11-blade fan)	2805
	95-02	V8	4.0	EFI	2806
	95-02	V8	4.6	EFI P38A	2809
	02-05	L6	3.0	Tdi	2808
LEXUS					
LS400	90-00	V8	4.0	1UZFE	2656
LX470	98-07	V8	4.7	2UZFE	2678
MAZDA					
B2000	82-88	L4	2.0		2562
B2200	86-93	L4	2.2	Manual	2562
B2300	94-97	L4	2.3		2557
B2600	87-89	L4	2.6	Carb 4G54	2565
	90-91	L4	2.6	Injected	2652
Bravo	92-94	L4	2.2	Manual	2562
	92-06	L4	2.6	EFI G6	2652
E2000	84-06	L4	2.0	Petrol FE	5468
E2200	81-97	L4	2.2		2562
MPV	99-02	V6	2.5	G6	2652
T2600	85-88	L4	2.6	4G54	2565
MITSUBISHI					
L200	79-82	L4	2.0	MA	5407
	79-86	L4	1.6	MA, MB, MC, MD, 4G32	2654
	79-82	L4	2.0	MA Astron, 4G52	2565
	82-86	L4	2.0	MC, MD Sirius 4G63	2654
L300 Express	82-85	L4	1.8	SB, SC, SD, 4G62	2654
	86-91	L4	2.0	SF, SG, 4G63	2654
	86-94	L4	2.4	SF, SG, SH, SJ, 4G64	2559
	86-94	L4	2.5	Diesel SF, SG, SH, SJ, 4D56	2654
Pajero	83-86	L4	2.3	Diesel NA, NB, NC, 4D55	5301
	83-93	L4	2.6	Astron NA, NB, NC, ND, NE, NF, NG, NH, 4G54	2565
	83-93	L4	2.6	Astron NA, NB, NC, ND, NE, NF, NG, NH	5407
	86-93	L4	2.5	Diesel ND, NE, NF, NG, NH, 4D56	5301
	88-	V6	3.0	NF, NG, NH, NJ, NK inc EFI, 6G72	2654
	93-02	L4	2.8	Diesel NJ, NK, NL, NM inc Turbo, 4M40	5459
	93-02	V6	3.5	EFI NJ, NK, NL, NM, 6G74	2654
Sigma	77-85	L4	2.0	GE, GH, GJ, GK, GN, 4G52	2565
	77-87	L4	1.9 - 2.6	GE, GH, GJ, GK, GN	5407
	81-87	L4	2.6	GE, GH, GJ, GK, GN, 4G54	2565
Sigma Scorpion	78-85	L4	2.0	GE, GH, GJ	5407
	78-85	L4	2.6	GK, GL	5407
	78-79	L4	2.0	GE,4G52	2565
	79-88	L4	2.6	GH, GJ, GK, GL, 4G54	2565
Starion	82-87	L4	2.0	Turbo 4G52	2565
	82-89	L4	2.6	Turbo 4G54	2565
	83-87	L4	2.6	4G63	2654
Starwagon	82-85	L4	1.8	SB, SC, SD, 4G62	2654

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Starwagon (ctd)	86-03	L4	2.0	SF, SG, SH, SJ, 4G63	2654
	86-03	L4	2.4	SF,SG, SH, SJ, 4G64	2559
	86-	L4	2.5	SF, SG, SH, SJ. 4D56	2654
	94-96	V6	3.0	WA, 6G72	2654
Triton	86-96	L4	2.6	Astron ME, MF, MG, MH, MJ, 4G54	2559
	86-96	L4	2.5	Diesel ME, MF, MG, MH, MJ, 4D56	5301
	89-96	L4	2.6	ME, MF, MG, MH, MJ	5407
	90-06	V6	3.0	MH, MJ, MK inc EFI 6G72	2654
	96-06	L4	2.8	Diesel MK, 4M40	5459
NISSAN					
120Y 200	74-79	L4	1.2	B, KB, VB, A12, with air conditioning	5408
240C, 240K, 240Z, 2400	70-79	L6	2.4	230, 330, L24	5001
280C, 280Z, 280ZX	72-84	L6	2.8	430, S130, L28	5001
300C, 300ZX	83-89	V6	3.0	HZ31, VG30DE, VG30ET	5001
	89-96	V6	3.0	CZ32, GZ32, HZ32, VG30DE, VG30DT	2650
720	80-83	L4	2.2	Diesel C720, CG720, SD22	5253
	83-85	L4	2.2	Z22	5203
	80-85	L4	2.3	Diesel, C720,CG720, SD23	2560
	83-85	L4	2.5	Diesel	5253
Bluebird	85-86	L4	2.0	910, CA20ES, 1974cc	5231
Cabstar	82-87	L4	2.2	H40, Z22	5203
Civilian	91-99	L6	4.2		5205
Gazelle	84-89	L4	2.0	S12, CA20ES	5231
Infinity Q45	93-97	V8	4.5	VH45	2664
Navara	86-91	L4	2.1	D21, Z21, with air conditioning	5203
	86-97	L4	2.0	D21,Z20, with air conditioning	5203
	86-94	L4	2.4	D21, Z24	5001
	86-93	L4	2.5	Deisel D21, SD25	2560
	92-97	V6	3.0	D22,VG30E	2650
	97-	V6	3.0	VG30E	5231
	00-05	V6	3.0	VG30	5231
	04-05	V6	3.3	D22, VG33E	2664
Nomad	86-92	L4	2.4	C22, Z24	5247
Pathfinder	86-92	L4	2.4	NY21, Z24	5001
	92-95	V6	3.0	VG30	2650
	95-05	V6	3.3	VG33E	2664
Patrol	81-88	L6	2.8	MQ160 L28	5001
	88-97	L6	4.2	GQ TB42S 10/87-10/91	5038
	88-97	L6	4.2	GQ TB42S 10/91-02/94	5072
	88-97	L6	4.2	GQ TB42E EFI	5073
	88-06	L6	4.2	Diesel TD42 10/87-10/91 VRGY60	5205
	88-06	L6	4.2	Diesel TD42 10/87-10/91 VRY60	5205
	88-06	L6	4.2	Diesel TD42 09/88-08/93 Auto VRY60	5205
	88-06	L6	4.2	Diesel TD42 10/91-08/93 Man VRGY60	5001
	88-06	L6	4.2	Diesel TD42 10/91-08/93 VRY60	5001
	88-06	L6	4.2	Diesel TD42 08/93-97 GQ VRGY60	5205
	90-97	L6	3.0	Diesel GQ RB30S	5001
	95-00	L4	2.8	Turbo Diesel GQ RD28T	5053
	97-06	L6	4.2	Diesel GU TD42	5205
	97-01	L6	4.5	Petrol GU TB45E	5073
Pintara	86-92	L4	2.0	R31, U12, CA20ES	5231
Skyline	80-86	L6	2.4		5001
	86-90	L6	3.0	GM fan blade only	5001
	89-93	L6	2.0	R32 GTS RB20D/DT/DE	5265
	89-93	L6	2.5	R32 GTS RB25DE	5265
	93-94	L6	2.0	R33 GTS RB20DE	5265
	93-94	L6	2.5	R33 GTS RB25DE	5265
	98-	L6	2.5	K34 GTS RB25DET	5265
Stanza	77-80	L4	1.4	A10, A14	5408
Sunny	80-81	L4	1.4	B310, A15	5408
Utility	88-91	L6	4.1	Ford XFN	2712
Urvan	81-86	L4	2.0	E23, Z20 08/80-08/83	5408

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	81-86	L4	2.0	E23, Z20 04/83-01/85	5203
	81-86	L4	2.0	E23, Z20 01/85-09/86	5001
	82	L4	2.2	Diesel E22, SD22	5203
	83-86	L4	2.3	Diesel E23, SD23	5203
	86-93	L4	2.4	E24, Z24	5247
Vanette	81-86	L4	1.4	C20, A14	5408
	83-86	L4	1.5	C20, A15	5408
	86-93	L4	2.4	C22, Z24 06/86-10/87	5001
	86-93	L4	2.0	C22, Z20	5247
	87-93	L4	2.4	C22, Z24 10/87-04/93	5247
PONTIAC					
Firebird	69-78	V8	6.6 (400)		2705
	70-78	V8	5.7 (350)		2705
	70-76	V8	7.5 (455)		2747
	79-85	V8	5 (305)		2705
	79-81	V8	6.6 (403)		2705
RANGE ROVER (see Land Rover)					
ROVER					
Rover	80-84	V8	3.5		2803
SUZUKI					
Grand Vitarra	98-05	V6	2.5		2680
Sierra	84-98	L4	1.3		2583
Vitarra	88-98	L4	1.6		2583
	99-03	L4	2.0		2680
	04-	V6	2.5		2680
TOYOTA					
4 Runner	84-89	L4	2.0	YN60, YN63, 3YC	5103
	84-89	L4	2.4	Diesel LN60, LN61, 2L	5101
	84-90	L4	2.2	YN60, YN63, 4Y	5103
	89-96	L4	2.4	YN63, RN130, 22R with air conditioning	5106
	89-96	L4	2.8	Diesel LN61, LN130, 3L	5124
	90-96	V6	3.0	VZN130, 3VZ-E	2657
Blizzard	82-83	L4	2.2	Diesel LD10, L	5101
	84-87	L4	2.4	Diesel LD20, LD21, 2L 05/84-08/87	5101
	87-92	L4	2.4	Diesel LD20, LD21, 2L 09/87-02/92	5101
Bundera	85-89	L4	2.4	RJ70, 22R no air conditioning	5106
	85-89	L4	2.8	RJ70, 3L	5124
	85-	L4	2.4	RJ70, 22R with air conditioning	5106
Celica	71-76	L4	1.6		2554
	76-85	L4	2.0	RA60, non-A/C 21RC	5106
	76-85	L4	2.0	RA63, 18R	5103
	76-85	L4	2.0	RA65, with A/C 22RE	5106
	79-85	L4	2.4	22R	2554
	84-85	L4	2.4		2554
Coaster	78-80	L4	2.0	RB11, 18R	5103
	78-96	L4	2.2	RU11, RU13 non-A/C 20R	5106
	78-96	L4	2.4	RB20, 22R	5106
	80-93	L6	3.4	Diesel BB10, BB20, BB21, 3B	5105
	82-84	L6	3.4	V47, V48, V50 with air conditioning, 3B	5105
	84-90	L6	4.0	Diesel HB30, HB36V, 2H	5499
	96-	L6	4.2	Diesel 1HZ	5499
Corolla	79	L4	1.6	2TC	2556
	80-82	L4	1.8	3TC	2556
	83-85	L4	1.6	AE71, 4AC	2556
	83-87	L4	1.6	Twin Cam GTS, 4AGEC	2556
Corona	74-81	L4	2.0	RT104, RT118, RT132, 18R	5103
	76-82	L4	2.2	20R	2554
	81-87	L4	2.0	RT133, no air conditioning 21R	5106
	81-87	L4	2.4	RT142, no air conditioning 22RE-C	5106
Corona Avanti	84-87	L4	2.4	RT142, no air conditioning	5106
Cressida	77-81	L6	2.6	4M, 4ME	2653
	80-85	L6	2.8	MX62, 5M, 5M-E	2653

FAN CLUTCHES - MODEL SELECTION GUIDE

Should a vehicle not appear in this Model Selection Guide, the critical measurements are B, C, D and F

CAR MODEL	YEAR	ENGINE TYPE	ENGINE CAPACITY	APPLICATION DESCRIPTION	DAVIES, CRAIG PART #
	85-88	L6	2.8	MX73, 5M-GEU	2653
	88-93	L6	3.0	7M-GEU	2653
Crown	72-85	L6	2.6	MS112, MS123, 4M, 5M, 5ME	2653
	81-87	L6	2.8	MS123, 5M-GEU	2653
Delta	82-84	L6	3.4	V47, V48, V50, with air conditioning 3B	5105
Dyna	84-	L4	1.8	YH60, YH81, 2Y	5103
	84-	L4	2.0	YU62, YU80, 3Y	5103
	84-	L4	2.2	YH81, 4Y	5103
	85-	L6	3.0	Diesel BU60, BU61, BU77, BU81, 11B	5105
	85-	L6	3.4	Diesel BU62, BU64, BU77, BU82, BU85, BU86, 13B	5105
	85-	L6	3.4	Turbo Diesel BU90, BU95, 13B	5105
	85-	L6	3.4	BU93, BU98, 13B	5105
	85-	L6	3.7	Diesel BU88, BU91, 14B	5105
	86-	L4	2.4	Diesel LY60, LY61, LH80, 2L	5101
	88-95	L4	2.8	Diesel LY51, LY61, 3L	5124
	99-	L4	3.0	Diesel 5L	5124
Hiace	77-86	L4	2.0	RH22, RH32, RH42, 18R	5103
	81-89	L4	2.2	Diesel LH11, LH20, LH30, LH50, LH51, LH60, LH70, L	5101
	83-86	L4	1.8	YH50, YH51, 2YC	5103
	83-86	L4	2.0	YH53, YH61, 3YC	5103
	84-89	L4	2.4	Diesel LH60, LH61, LH70, LH71, 2L	5101
	86-89	L4	2.2	YH63, YH71, YH73, 4Y	5103
	89-05	L4	2.4	LH113R, Carb/EFI, 2RZ, 2RZ-E	5107
	89-00	L4	2.8	Diesel LH113R, 3L	5124
	00-	L4	3.0	Diesel LH113R, 5L	5124
Hiace SBV	95-03	L4	2.4		5107
Hilux	71-89	L4	1.6	RN33, RN35, RN43, RN45, 12R	5103
	79-88	L4	2.0	RN31, RN36, RN39, 18R	5103
	80-84	L4	2.2	Diesel LN30, LN36, LN40, LN46, L	5105
	80-85	L4	2.2	Diesel LN50, LN55, LN65, L	5101
	83-88	L4	1.6	YN55, YN56, 1YC	5103
	83-	L4	2.0	YN56, YN60, YN65, YN81, YN86, YN100, YN105, YN107, YN130G, 3Y	5103
	84-91	L4	2.4	Diesel LN41, LN51, LN56, LN60, LN61, LN65, 2L	5101
	84-94	L4	2.4	Diesel LN80, LN85, LN130, 2L	5124
	87-97	L4	1.8	YN51, YN56, YN57, YN58, YN80, RN85, 2Y	5103
	87-88	L4	2.2	YN65, YN67, YN85, 4Y	5103
	88-97	L4	2.4	RN85, RN90, RN105, RN110, w/- A/C 22R	2554
	88-97	L4	2.8	Diesel LN81, LN86, LN100, LN106, LN111, LN107, LN109, LN131V, 3L	5124
	97-02	L4	2.0	RZN EFI, 1RZ	5107
	97-08	L4	2.7	RZN149/169, 3RZ-FE	5410
	97-08	L4	3.0	Diesel 5L	5124
	01-05	L4	3.0	Diesel 5L, KZN165, 1KZTE	5412
Hilux 4 Runner (see 4 Runner)					
Landcruiser	74-81	L6	3.6	40 Series	2657
	75-85	L6	4.2	40 & 60 Series 2F	2657
	80	L6	3.6	Diesel 40 Series H	5014
	80-90	L4	3.4	Diesel 60 & 70 Series, 3B, 13BT T/D Auto	5014
	81-90	L6	3.4	Diesel 40 & 70 Series 3B, 13BT T/D Man	5102
	81-90	L6	4.0	Diesel 60 & 70 Series 2H, 12HT	5014
	82-90	L4	3.4	Diesel 70 Series 3B Ex T/D Auto	5102
	84-98	L6	4.0	60, 70 & 80 Series 3F, 3FE EFI	2657
	85-90	L4	2.4		5106
	85-96	L4	2.4	Turbo Diesel 70 Series 2LT	5101
	90-07	L6	4.2	Diesel	5499
	90-94	L5	3.5	Diesel 70 Series 1PZ	5499
	92-	L6	4.2	Diesel 70, 80 & 100 Series 1HZ, 1HDT	5499
	92-07	L6	4.5	70, 80 & 100 Series 1FZFE EFI	2661
	98-05	V8	4.7		2678
Landcruiser Prado	96-04	L4	2.7		5410
	96-03	V6	3.4		5411

FAN CLUTCHES - MODEL SELECTION GUIDE

Should a vehicle not appear in this Model Selection Guide, the critical measurements are B, C, D and F

CAR MODEL	YEAR	ENGINE TYPE	ENGINE CAPACITY	APPLICATION DESCRIPTION	DAVIES, CRAIG PART #
	00-	L4	3.0	Diesel	5412
Liteace	82-92	L4	1.8	Diesel CM41, CM51, CM55, CM60, 1C	5104
	84-	L4	1.8	CM20, CM25, YM35, YM21, YM40, YR21, YR30, 2YC	5103
	85-	L4	1.5	KM27, KM30, KM31, KM36, KM51, YM21, YM30, YM31, YM65, YR25, 5K	5106
Liteace (ctd)	85-	L4	2.0	CM30, CM35, CM36, CM50, 3Y	5103 or 2559
	85-93	L4	2.0	Diesel CM30, CM31, CM40, CM52, CM61, CM65, CR21, CR27, CR28, CR30, CR37, 2C	5104
Prado (see Landcruiser Prado)					
Spacia	93-96	L4	2.2	YR22, 4Y-EC	5103
Sprinter	83-85	L4	1.6	AE86	2556
Supra	79-81	L6	2.6	4ME	2653
	80-86	L6	2.8	5ME, 5M-GEU	2653
	86-93	L6	3.0	7M-GEU inc. Turbo	2653
Stout	79-83	L4	2.2	YK110, 4Y	5103
T-18	79-83	L4	1.8	TE72, 3TC	5231
Tarago	83-89	L4	1.8	YR20, YR21, 2Y	5103 or 2559
	83-90	L4	2.0	YR22, YR31, 3Y	5103 or 2559
	83-96	L4	2.0	Diesel CR21, 2C	5104
	85-90	L4	2.2	YR22, YR31, 4Y	5103
	90-00	L4	2.4	AC22, AC23, 2TZ-FE EFI	2655
Townace	83-97	L4	2.0	YR21, YR30, 3Y	5103 or 2559
	96-03	L4	1.8	KR42(SBV), 7K-E EFI	5106
Toyo-Ace	82-83	L4	2.2	Diesel LY30, L	5101
	83-85	L4	2.4	Diesel LY31, 2L	5101
VOLVO					
240 Series	75	L4	2.0	B20F	2558
	75-85	L4	2.1	B21F, B21FT Turbo	2558
	81-88	L4	2.4	Diesel D24	2558
	81-93	L4	2.3	B23E, B23F, B230F	2558
260 Series	75-80	V6	2.7	B27F	2558
	80-81	L4	2.1	B21F	2558
	80-85	V6	2.8	B28F	2558
	81-82	L4	2.4	Diesel D24	2558
740 Series	85-92	L4	2.3	B230F, B230FT, B234F,	2558
	86	L4	2.4	Diesel D24T	2558
760 Series	83-86	L4	2.4	Diesel D24T	2558
	83-90	V6	2.8	B28F,	2558
	84-85	L4	2.3	B23FTI, B230F, B230FT Turbo	2558
	87-90	V6	2.8	B280F	2659
780 Series	86-91	L4	2.3	B230FT Turbo	2558
	86-91	V6	2.8	B280F	2659
940 Series	90-96	L4	2.3	B230FT Turbo	2558
	90-96	V6	2.8	B280F	2659

How do I convert from a fan clutch to a Thermatic® Fan?

Mechanical fans and/or fan clutches rely on mechanical drive from the engine in order to operate appropriately.

Fan Clutches are fluid coupling devices with built-in thermostat coil spring that detects the air temperature passing through the radiator and utilizes a clutch to engage or disengage the fan at a specified engine speed or temperature.

However, the fan's clutch never fully disengages; it keeps spinning at about 30 percent of the water pump speed at all times.

The clutch also limits how fast the fan can spin and only turns the fan at a fraction of the water pump speed, depending on engine speed and temperature.

Thermatic® Fans, on the other hand, operate totally independently and are controlled by a Thermatic® Switch which can be adjusted to engage at your engine's thermostat opening temperature to offer maximum cooling effect.

Considered a step up from fan clutches, Thermatic® Fans are typically lighter and release the parasitic power your engine expends spinning your fan clutch or beltdriven mechanical fan.

With no parasitic power loss and all the great benefits we mentioned above, Davies Craig Thermatic® Fans have become the preferred choice for many performance enthusiasts.

Select a Davies Craig Thermatic® Fan model which best suits your engine by using the measurement criteria below.

2 YEAR WARRANTY

WARRANTY STATEMENT

THERMATIC® FANS & THERMAL SWITCHES

We hereby guarantee that for a period of two years or 1,500 hours (whichever is the lesser) from the date of purchase we shall carry out free of cost any repairs that are reasonably necessary to correct any fault in the operation of your Thermatic® Fan provided that such a fault is directly attributable to a defect in the workmanship or the materials used in the manufacture of the Thermatic® fan. Labour and consequential costs excluded.

— DAVIES, CRAIG PTY LTD

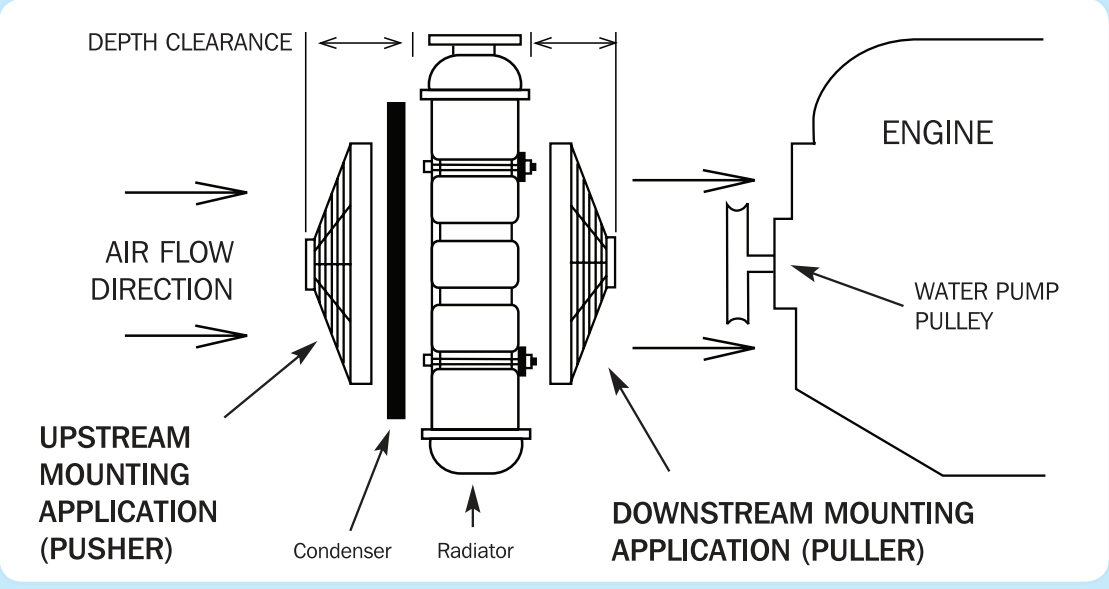
What size Thermatic® Fan do I need?

If your car make is not listed in our Model Selection Guide we suggest the following:

1. Measure your radiator core dimensions (width, depth and clearance - refer diagram below) and refer to "Fan Models" to check which fan/s will fit your core.
2. Davies Craig Thermaic© Fans are reversible (Ex: Brushless models) which means they can be mounted upstream or downstream, as illustrated below.
3. In general, one large fan will have better airflow than two smaller fans. Where radiator is rectangular there may be no choice but to fit two smaller fans; choose the largest that can be accommodated in space available.

The fan can also be mounted offset from centre to clear engine components when mounted in the downstream position.

Note: Fans should not be fitted on opposite sides of radiator core unless these are offset such that the airflow of one is not interfering with the airflow of the other.



Thermatic® Fans – Model Selection Guide

To assist your understanding of the correct selection of a Davies, Craig Thermatic® Fan, please observe the following:

» **Radiator cooling only:** The Thermatic® Fan recommended to assist forcing cooler air through the vehicle's radiator thus removing excessive heat and lowering and/or maintaining the engine's coolant temperature. Select the approved Thermatic® Fan for your vehicle when replacing the existing belt driven mechanical fan.

» **A/C Condenser cooling only:** The Thermatic® Fan recommended to cool your vehicle's air conditioning condenser replacing an existing original equipment manufacturer's (OEM) air conditioning condenser fan or adding a fan to an existing A/C condenser.

» **Additional cooling only:** The recommended Thermatic® Fan to provide an extra cooling boost to your existing belt-driven fan or electric fan under extreme ambient conditions.

Note: If you are removing your mechanical belt-driven fan or Fan Clutch and converting to a total electric Thermatic® Fan engine cooling control system and your vehicle is fitted with air conditioning, it may be necessary to fit Thermatic® Fans listed from both the 'Radiator Cooling Only' and 'Condenser Cooling Only' Electric Thermatic® Fans from the Model Selection Guide.

» **Modified engines** may require a fan with higher cubic feet/minurte (CFM) cooling than is recommended in the Model Selection Guide.

THERMATIC® FANS - MODEL SELECTION GUIDE

VEHICLE MAKE & MODEL	RADIATOR COOLING ONLY				A/C CONDENSER COOLING ONLY		ADDITIONAL COOLING ONLY			
	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or	Elec.	FAN KIT TYPE	Fan Kit Part #	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or	Elec.
BMW										
316i	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
318i	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
318is COUPE	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
320i	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
325i	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
CHRYSLER/JEEP										
JEEP/CHEROKEE 6-cylinder	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
	+ DCSL10	0047								
WRANGLER	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
	+ DCSL10	0047								
VALIANT ALL 6/8-cylinder	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL14 *	0064	0401	0402
	+ DCSL10	0047								
DAEWOO										
CEILO 1.5L 93-	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
ESPERO 2.0L 95-	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
DAIHATSU										
APPLAUSE	2x DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
CHARADE 78-93	DCSL9	0060	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
CHARADE CS/CX/SG	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
CHARADE TS	DCSL12	0062	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
FEROZA	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
FEROZA II	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
MIRA	DCSL12	0062	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
ROCKY	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
STRATOS	DCSL9	0060	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
FORD										
CAPRI	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
CORSAIR	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
CORTINA ALL 4-cylinder	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
ESCORT 1.6-2.0L	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
FAIRLANE NA-NF/AU 3.9/4.0L	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
FAIRLANE NC-NF/AU 5.0L	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
FAIRLANE ZA-ZL 6-cylinder	2x DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
FAIRLANE ZA-ZL 8-cylinder	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
FALCON XP-XF 6-cylinder	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047								
FALCON XP-XF 8-cylinder	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
FALCON EA-EL/AU 6-cylinder	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
FALCON EB-EL/AU 8-cylinder	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
FESTIVA	DCSL12	0062	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402

THERMATIC® FANS - MODEL SELECTION GUIDE

VEHICLE MAKE & MODEL	RADIATOR COOLING ONLY				A/C CONDENSER COOLING ONLY		ADDITIONAL COOLING ONLY			
	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or	Elec.	FAN KIT TYPE	Fan Kit Part #	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or	Elec.
FORD (continued)										
LASER	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
LASER TX3 TURBO 4WD	DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
METEOR	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
MONDEO	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
PROBE	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
TAURUS	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
TELSTAR TX5 V6 92	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
TELSTAR TX5	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
TELSTAR NON-TURBO	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
TELSTAR TURBO	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
BRONCO XLT 5.8L	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
COURIER	DCSL12	0062	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
COURIER 2.2L	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
COURIER 2.6L	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
F100	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
F150	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
F350	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
MAVERICK 2D/4D PETROL	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
MAVERICK 2D/4D DIESEL	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
RAIDER	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047								
HOLDEN										
APOLLO	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
ASTRA	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
BARINA ML 86-89	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL10	0047	0401	0402
BARINA 89-94	DCSL12	0062	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
CAMIRA JB/JD/LE 1.8L	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL10	0047	0401	0402
COMMODORE VB-VK 6-cylinder	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
COMMODORE VB-VK 8-cylinder	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
COMMODORE VC-VH 4-cylinder	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
COMMODORE VL-VX 6-cylinder	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
COMMODORE VL-VP 8-cylinder	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
COMMODORE VR-VX 8-cylinder	DCSL16	0066	0401	0402	DCSL12	0062	DCSL10	0047	0401	0402
GEMINI DIESEL TE/TF/TG	DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
GEMINI TX/TG	DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
HOLDEN HT-HZ 6-cylinder	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
HOLDEN HT-HZ 8-cylinder	2x DCSL12	0062	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
PIAZZA TURBO	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
NOVA 1.6/1.8	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
RODEO PETROL DLX 2600	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
STATESMAN VQ-VX	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
TORANA SUNBIRD 4-cylinder	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
TORANA SUNBIRD 6-cylinder	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
TORANA TA-LX 4-cylinder	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
TORANA TA-LX 6-cylinder	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
TORANA 8-cylinder	DCSL16	0066	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
JACKAROO TURBO DIESEL 84	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
L2 JACKAROO S/XS 6-cylinder	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
HONDA										
ACCORD 77-85	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
ACCORD 86-89	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
ACCORD/AERODECK 89-95	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
BREEZE	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
CIVIC 84-	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
CONCERTO	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
CRX 87-91	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
CRX 92-	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
INTEGRA ALL	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402

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VEHICLE MAKE & MODEL	RADIATOR COOLING ONLY				A/C CONDENSER COOLING ONLY		ADDITIONAL COOLING ONLY			
	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or	Elec.	FAN KIT TYPE	Fan Kit Part #	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or	Elec.
HONDA (continued)										
LEGEND 86-87	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
LEGEND 88-91	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
LEGEND 91-96	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
PRELUDE 83-91	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
PRELUDE 91-	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
HYUNDAI										
EXCEL	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
LANTRA 1.8	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
S-COUPE	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
SONATA 2.0-2.4L	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
SONATA 3.0L	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
JAGUAR										
SOVEREIGN/DAIMLER	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
XJ12,XJ5 73-89	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
XJ6	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047								
XJS	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047								
XJS V12	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047								
XJRS	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047								
JEEP (see Chrysler)										
MAZDA										
ASTINA	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
323 ALL	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
626 ALL	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
626 V6	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
626 ESTATE	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
929 76-87	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
929 87-97	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
MX-5	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
MX-6 TURBO 89-91	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
PROTEGE	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
RX-3,RX-4,RX-5 72-79	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
RX-7 79-85	2x DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
BRAVO B2200	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
BRAVO B2600	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
MERCEDES-BENZ										
180E 1.8L	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
190E 2.0/2.3	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
200 SERIES	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
300E 2.6/3.0/24 VALVE	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL10	0047	0401	0402
300SE W140	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL10	0047	0401	0402
300 CE	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL10	0047	0401	0402
450 SEL 6.9 V8	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
500 SEL	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
560 SERIES	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
MITSUBISHI										
COLT 80-90	DCSL12	0062	0401	0402	DCSL9	0060	DCSL10	0047	0401	0402
CORDIA 83-889	2x DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
CORDIA TURBO 84-89	2x DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
GALANT 77-81	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
GALANT 88-95	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
LANCER 1.4/1.6/1.8 74-81	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
LANCER 81-	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
MAGNA ALL	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
NIMBUS 84-88	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402

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	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or	Elec.	FAN KIT TYPE	Fan Kit Part #	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or	Elec.
MITSUBISHI (continued)										
SCORPION	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
SIGMA 77-85 - all	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
SIGMA TURBO	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
STARION TURBO 82-85	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
VERADA	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
PAJERO NC 85	DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL12	0062								
PAJERO NH V6 3000	2x DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
PAJERO NH 2.6	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047					DCSL10	0047	0401	0402
PAJERO NG 90	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
PAJERO NJ	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
TRITON 2.6 PETROL	DCSL16	0066	0401	0402	DCSL12	0062	DCSL10	0047	0401	0402
TRITON 3.0 V6	DCSL16	0066	0401	0402	DCSL12	0062	DCSL10	0047	0401	0402
NISSAN										
1200 (120Y) 70-79	DCSL12	0062	0401	0402	DCSL9	0060	DCSL10	0047	0401	0402
1600 68-72	DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
180B/200B 72-77	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
200SX	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
240K 72-78	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
260C 73-78	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
260Z 74-78	2x DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
280C 78-84	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047								
280ZX 79-84	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047								
300ZX TURBO 86-89	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
300ZX 90-96	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
300C 84-88	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL10	0047								
BLUEBIRD 1/11 81-88	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
BLUEBIRD U13 2.0L	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
GAZELLE 84-88	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
MAXIMA	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
NX COUPE	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
NX-R	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
PINTARA 2.4 86-93	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
PULSAR EXA TURBO 83-88	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
PULSAR 1.6/2.0	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
SKYLINE 78-88	2x DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
STANZA 73-83	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
SUNNY 77-81	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
VECTOR 88-90	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
SERENA	DCSL14 *	0064	0401	0402	DCSL12	0047	DCSL12	0062	0401	0402
PRAIRIE 83-85	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
PATROL G60 -82	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
PATROL MQ DIES/TURBO 82-88	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
PATROL MQ PETROL/LD28 82-88	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
PATROL GQ PETROL/EFI 88-92	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
PATROL GQ EFI/TB42E 92-95	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
PATROL GQ DIESEL 88-	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
CAB CHASSIS NAVARA PETROL	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
PATHFINDER 86 WD21 2.4L	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
PATHFINDER V6 ST 92-	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
PEUGEOT										
205 SERIES	2x DCSL10	0047	0401	0402	DCSL9	0060	DCSL10	0047	0401	0402
405 SERIES	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL10	0047	0401	0402
500 SERIES 70-88	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402

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PEUGEOT (continued)										
505 SERIES	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL10	0047	0401	0402
600 SERIES 78-82	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
PROTON										
1.5L 95-	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
1.6L 95-	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
ROVER										
3500 SERIES 69-87	2x DCSL12	0062	0401	0402	2x DCSL10	0047	DCSL12	0062	0401	0402
416i 86-88	2x DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
825Si 87-88	2x DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
LAND ROVER DISCOVERY 3.5L	DCSL16	0066	0401	0402	2x DCSL10	0047	DCSL12	0062	0401	0402
LAND ROVER DISCOVERY 3.9L	DCSL16	0066	0401	0402	2x DCSL10	0047	DCSL12	0062	0401	0402
RANGE ROVER -86	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
RANGE ROVER 86 ON EFI	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
SAAB										
900i	DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL12	0062			DCSL10	0047	DCSL10	0047	0401	0402
900 TURBO	DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
	+ DCSL12	0062			DCSL10	0047	DCSL10	0047	0401	0402
9000 CS	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
9000 CD	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
9000 CS TURBO	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
9000 CD TURBO	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
9000 T	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
SUBARU										
BRUMBY UTE	2x DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
DLS/WAG. DUAL RANGE 4WD	2x DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
LEONE	2x DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
LIBERTY LX/GX	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
LIBERTY RS TURBO	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
4WD PICKUP 90	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
SUZUKI										
MIGHTY BOY	DCSL10	0047	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
SWIFT	DCSL12	0062	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
SIERRA	DCSL14 *	0064	0401	0402	DCSL9	0060	DCSL9	0060	0401	0402
VITARA	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL9	0060	0401	0402
TOYOTA										
CAMRY	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
CAMRY 3.0L	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL10	0047	0401	0402
CELICA 71-91	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
CELICA 92-	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
COROLLA SE 1.6L	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
COROLLA CSi 1.6L	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
COROLLA 4WD (TERCEL)	2x DCSL10	0047	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
CORONA 74-89	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
CRESSIDA 77-85	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
CRESSIDA GLX/GRANDE	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL9	0060	0401	0402
CROWN ALL 71-78	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
HILUX 88-95	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
LEXCEN	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
MR2	2x DCSL12	0062	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
PASEO	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
SPRINTER ALL	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
T18 - all	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
TARAGO 4WD	DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
SUPRA 83-88	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
SUPRA 89-93	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
LAND CRUISER ("L/C") BJ70	DCSL16	0066	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
L/C FJ75 TROOP PETROL 84-	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402

THERMATIC® FANS - MODEL SELECTION GUIDE

VEHICLE MAKE & MODEL	RADIATOR COOLING ONLY				A/C CONDENSER COOLING ONLY		ADDITIONAL COOLING ONLY			
	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or	Elec.	FAN KIT TYPE	Fan Kit Part #	FAN KIT TYPE	Fan Kit Part #	T/Switch Part # Mech. or	Elec.
TOYOTA (continued)										
L/C FZJ75 TROOP 4.5L PETROL	2x DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
L/C HJ75 TROOP DIESEL 84-	DCSL16	0066	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
L/C HDJ60 TURBO DIESEL 87-90	DCSL16	0066	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
L/C HJ60 DIESEL 87-90	DCSL16	0066	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
L/C FJ60 PETROL 87-90	DCSL16	0066	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
L/C HDJ80 TURBO DIESEL 90-	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
L/C HZJ80 DIESEL 90-	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
L/C FJ80 4.2L PETROL 90-92	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
L/C FZJ80 4.5L PETROL 92-	2x DCSL14 *	0064	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
HI-LUX PETROL	DCSL16	0066	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
HI-LUX DIESEL	DCSL16	0066	0401	0402	DCSL12	0062	DCSL12	0062	0401	0402
4 RUNNER DLX PETROL	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
4 RUNNER DLX DIESEL	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
4 RUNNER RV6	DCSL16	0066	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
VOLKSWAGEN										
GOLF 1.8L 90-	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
GOLF 1.8L GTI 90-92	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
CABRIOLET 1.8L 90-	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
GL VENTO 92-95	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
VR6 GOLF 2.8L 92-95	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
VOLVO										
4 SERIES 4-cylinder	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL10	0047	0401	0402
6 SERIES 6-cylinder	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
	+ DCSL10	0047								
TURBO MODELS	DCSL14 *	0064	0401	0402	DCSL10	0047	DCSL12	0062	0401	0402
	+ DCSL10	0047								

** Davies, Craig Thermatic Fan model DC31 (part #0005) can be used in lieu for 12V; DC31 (part #0006) can be used in lieu for 24V*

ThermoCap

The ThermoCap radiator cap indicates the coolant temperature with its own in-built calibrated thermometer. *This is important information prior to cap removal.*

The temperature probe does not need to be in contact with the coolant in order to indicate the correct temperature.

ThermoCap is also equipped with a coolant recovery reclamation valve so it is compatible with cooling systems that have an overflow reservoir.

ThermoCaps can also be used with cooling systems that do not have an overflow reservoir.

Large (60mm x 50mm long)			Small (45mm x 50mm long)		
Part #	Description		Part #	Description	
1401	90 kPa	(13 psi)	**1404**	90 kPa	(13 psi)
1402	110 kPa	(16 psi)	**1405**	110 kPa	(16 psi)
1403	138 kPa	(20 psi)			

DAVIES, CRAIG PTY. LTD.

INNOVATION - QUALITY - RANGE

SELECTION GUIDE

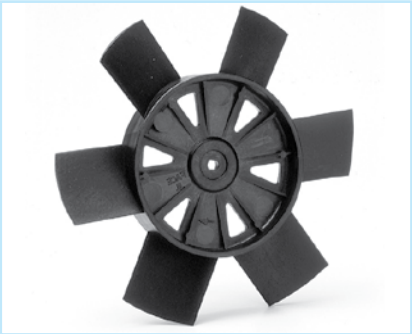
ELECTRIC WATER PUMP (EWP®)

ELECTRIC BOOSTER PUMP (EBP®)

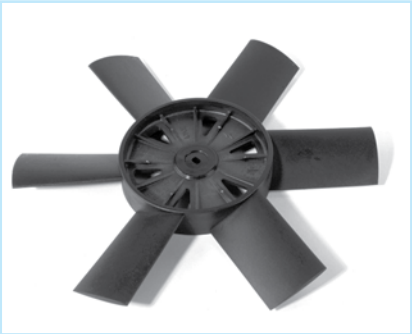
DATE: June 2015

Application	Pump Model	Pump Kit		Pump Combo		Controller	
		Part # 12v	Part # 24v	Part # 12v	Part # 24v	Part # 12v	Part # 24v
Motorbike up to 250cc (Standard)	EBP15	9001	N/A	N/A	N/A	0444	0444
Motorbike 250cc - 500cc (Standard)	EBP23	9050	N/A	N/A	N/A	0444	0444
Motorbike 500cc - 1000cc (Standard)	EBP25	9005	N/A	N/A	N/A	0444	0444
Motorbike 1000cc -2000cc (Standard)	EBP40	9040	9041	N/A	N/A	0444	0444
Vehicle Heater System (Standard)	EBP23	9050	N/A	N/A	N/A	0444	0444
LPG (Butane)System (Standard)	EBP23	9050	N/A	N/A	N/A	0444	0444
Engines up to 2.0L (Standard)	EWP80	8005	N/A	8807	N/A	8000	8000
Engines 2.0L - 3.5L (Standard)	EWP115	8025 or 8040*	8026 or 8041*	8830 or 8850*	8831 or 8851*	8000	8000
Engines 3.5L - 5.0L (Standard)	EWP130	8080	8081	8890	8891	8000	8000
Engines 5.0L or greater (Standard)	EWP150	8060	8061	8870	8871	8000	8000
Modified Engines Supercharged/Turbo	EWP150	8060	8061	8870	8871	8000	8000
Drag Racing, Drifting & Speedway	EWP150	8060	8061	8870	8871	8000	8000
Off Road	EWP130	8080	8081	8890	8891	8000	8000
Intercooler Only (19mm I.D.)	EBP23	9050	N/A	N/A	N/A	0444	0444
Intercooler Only (32mm I.D. +)	EWP80	8005	N/A	8807	N/A	8000	8000

*** EWP 115 Alloy with AN-16 internal thread.**



Part #	Description	Size
0328	DCSL8 6-blade	8”



Part #	Description	Size
0320	DCSL9 6-blade	9”

Part #	Description	Size
0302	10” Nylon 4-blade *discontinued - refer 0315*	10”

Part #	Description	Size
0315	DCXA 6-blade	10”

Part #	Description	Size
0317	DCSL10 6-blade	10”

Part #	Description	Size
0304	292/9 Nylon	12”
(**0305**	292/9) *discontinued*	

Part #	Description	Size
0306	292/11 5-blade	12”

Part #	Description	Size
0319	DCSL12 5-blade	12”

Part #	Description	Size
0326	DCSL12 6-blade	12”

Part #	Description	Size
0309	320/11 5-blade *discontinued*	14”

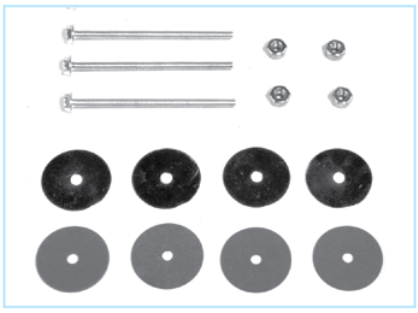
Part #	Description	Size
0318	DCSL14 5-blade	14”

Part #	Description	Size
0327	DCSL14 6-blade	14” HP

Part #	Description	Size
0312	DC31 4-blade	14”

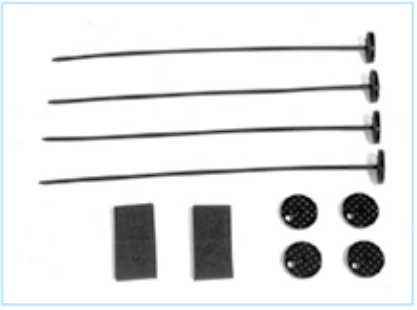
Part #	Description	Size
0322	DCSL16 6-blade	16”

Part #	Contents
0524	Wiring loom & relay kit (12V)
0524a	Wiring loom & relay kit (24V)

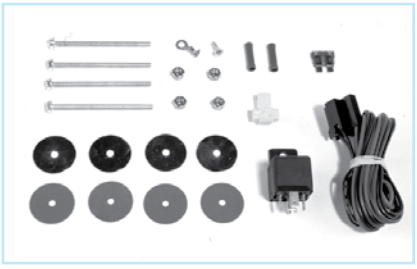


Part #	Contents
0578	Mounting hardware

Part #	Contents
0604	Mounting feet



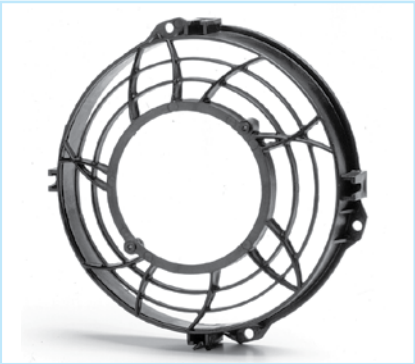
Part #	Contents
0579	Quick Fit Kit



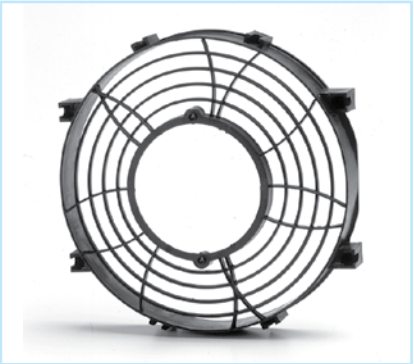
Contents
Fan mounting hardware and electricals
for exact part number, please refer to your particular fan contents list

Part #	Contents
0422	Twin fan mounting brackets (fans not included)
	Mounting hardware

Part #	Contents
0422	Twin fan mounting brackets
	Mounting hardware



Part #	Description	Size
0372	DCSL8	8” fan

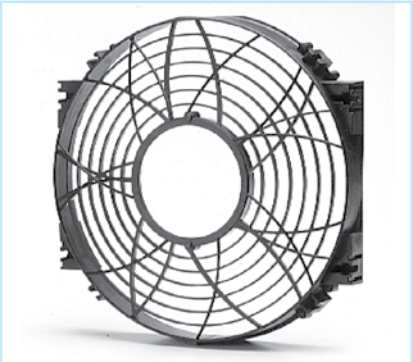


Part #	Description	Size
0364	DCSL9	9” fan

Part #	Description	Size
0365	DCSL10	10” fan

Part #	Description	Size
0375	DCSLX10	10” fan

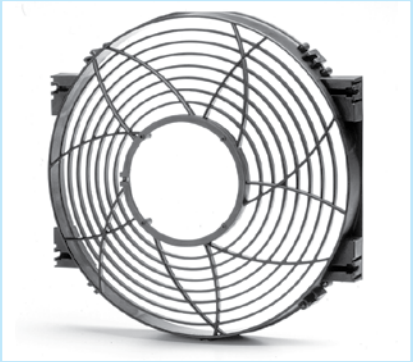
Part #	Description	Size
0363	DCSL12 Old style	12” fan



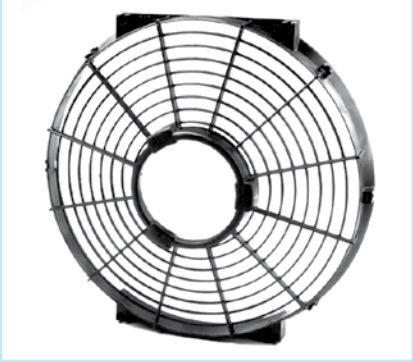
Part #	Description	Size
0370	DCSL12	12” fan

Part #	Description	Size
0351	DC31	14” fan

Part #	Description	Size
0362	DCSL14 Old style	14” fan



Part #	Description	Size
0371	DCSL14	14” fan



Part #	Description	Size
0366	DCSL16	16” fan

Part #	Description		Wattage
0213	SSW9511E 12V		80W
0215	SSW-9524E 24V		80W
0223	SSW9742LW 12V		100W
0224	SSW9743LW 24V		100W
0241	FM-50 12V, CD-80 12V		80W
0242	FM-60B 24V, CD-80 24V		80W
0259	SSW9594E 12V	(sealed type)	80W
0260	SSW9584E 24V	(sealed type)	80W
(0211	SSW 9510E)	*discontinued*	
(0241	SSW 959)	*discontinued*	

Part #	Description		Wattage
0220	ZD 1788A 12V		225W
0221	ZD 2788A 24V		225W
(0237	FP0816Q)	*discontinued*	

Part #	Description		Wattage
0203	Y-706-21 12V		130W
0204	Y-706-23 24V		130W
(0202	SSW1158R)	*discontinued*	
(0210	SSW 1193R 24V)	*discontinued*	
(0235	SSW 11117R 27V)	*discontinued*	

Part #	Description		Wattage
0290	SSW-9511E + Spacer 12V		80W
0291	SSW-9524E + Spacer 24V		80W
(0205	SSW9228)	*discontinued*	
(0217	SSW 9270 24V)	*discontinued*	
(0233	Y-702)	*discontinued*	
(0244	ZDB 1501)	*discontinued*	
(0246	ZDB 1501 or Y-702 24V)	*discontinued*	
(0246	Y-702 24V)	*discontinued*	

***Note:** If your current motor is discontinued, it may be more economical to buy a complete new fan of the same diameter.