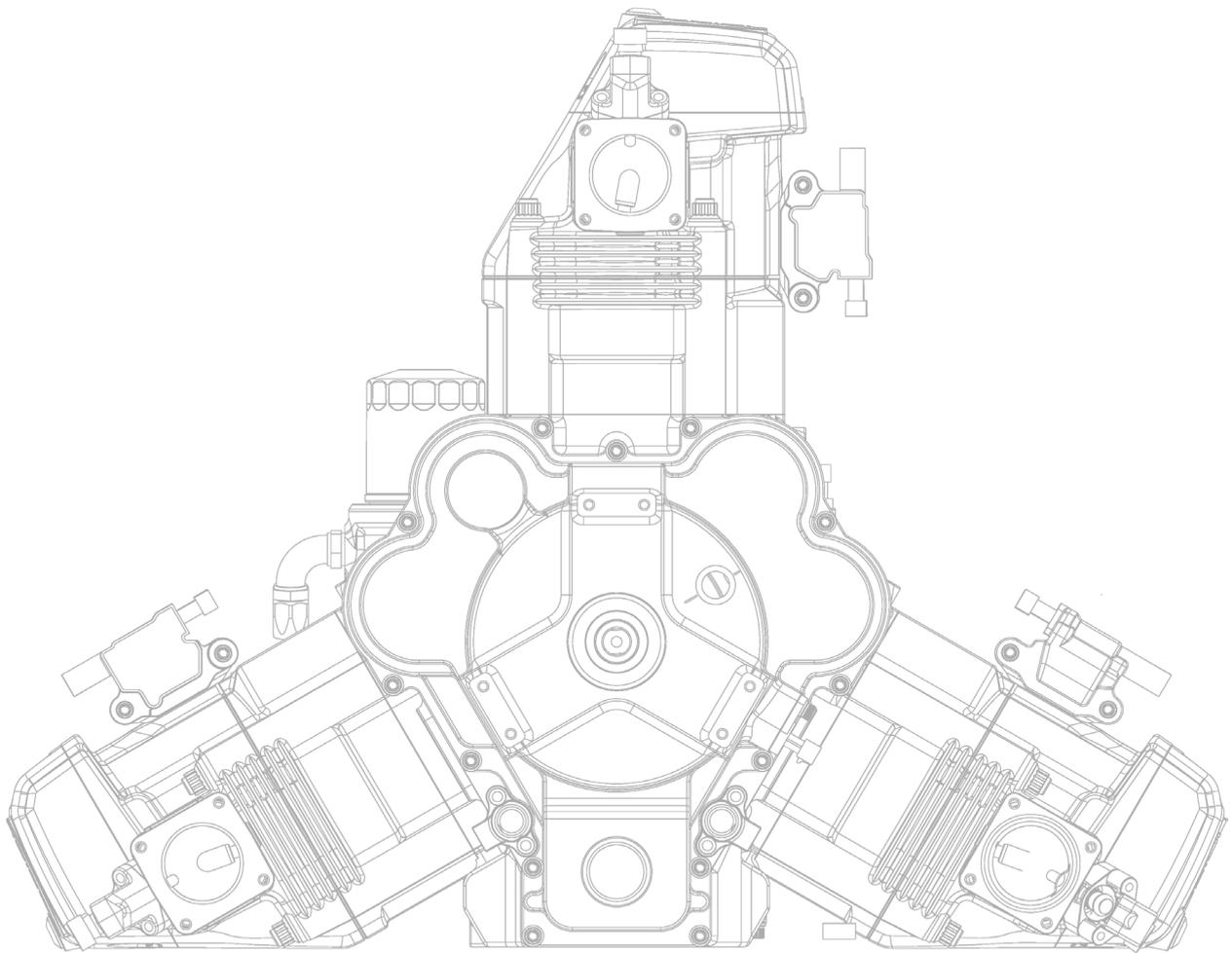


RADIAL

MOTION

COMPACT RADIAL ENGINE



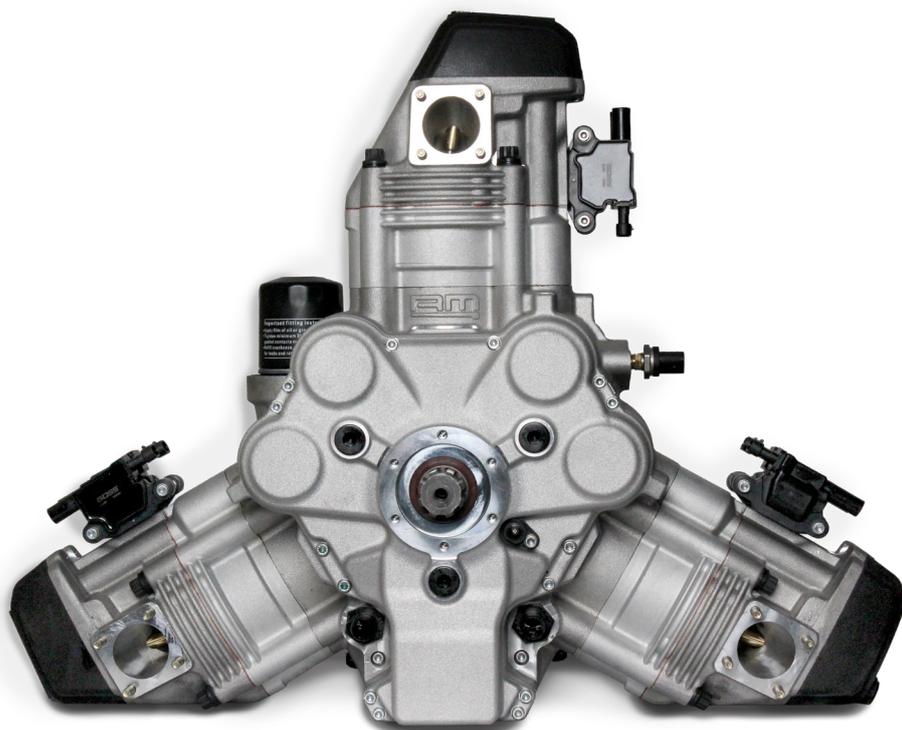
PRODUCT SPECIFICATIONS

SPECIFICATIONS

The Radial Motion three-cylinder compact radial engine is a four-stroke petrol engine in a 120° radial configuration.

It features a common journal crank and gear-driven triple camshafts actuating the overhead valvetrain via pushrods. Each head contains two valves, a 2" intake and 1.5" exhaust.

The engine is capable of withstanding high cylinder pressures, making it well suited to turbo and supercharging.



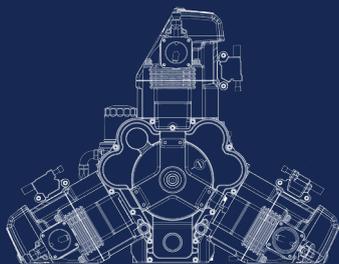
BORE x STROKE (mm)	99 x 86.5	101.6 x 86.5
DISPLACEMENT (cc)	1998	2104
COMPRESSION RATIO*	8.5:1 – 11:1	
NET POWER*	Up to 100HP per litre in naturally aspirated form	
NET TORQUE*	Up to 150Nm per litre in naturally aspirated form	
CYLINDER SLEEVE TYPE	Cast iron sleeve	
IGNITION SYSTEM	Twin coil / twin spark, electronically controlled	
INDUCTION	ITB, single throttle body injected or carburetted	
OIL SYSTEM	Integral dry sump with separate cylinder head scavenge pumps	
COOLING SYSTEM	Water-cooled cylinder heads and barrels. Air/oil cooled available.	
DRIVETRAIN	Gear driven camshafts and oil pumps	
DIMENSIONS (LxWxH)	330 x 776 x 606mm	
DRY WEIGHT*	75-95kg	

* dependent on configuration

COMPLETE UNITS

Radial Motion Engines are available as turn-key units that have undergone pre-delivery dyno testing.

These are available in several customisable configurations.



CARBURETTED

Radial Motion can supply your engine with three individual Mikuni carburetors and a single throttle cable linkage kit. Perfect for analogue vehicles and those seeking simplicity and period authenticity. Ignition in this case is programmed into an ignition control module that operates the multi-coil ignition system.



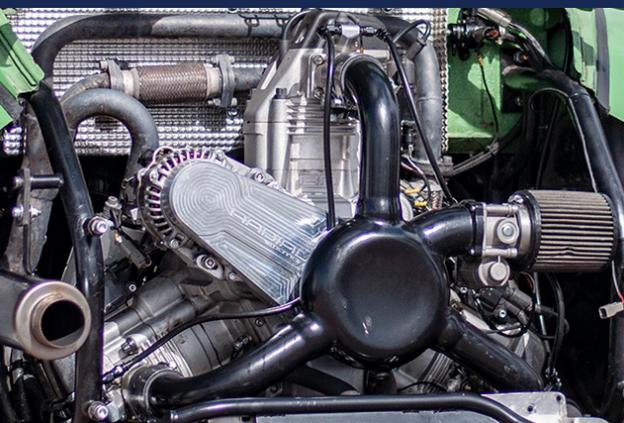
FUEL INJECTED

The most common package sees the Radial Motion engine receive direct port injection paired with either individual throttle bodies or a common plenum and single throttle body. Each throttle body is equipped with drive-by-wire hardware and is controlled by a Motec engine management system, which also controls ignition.



ANCILLARIES

Your Radial Motion engine can come equipped with an integral slimline alternator mounted on the front of the crankshaft or a conventional high-output alternator that is belt driven and mounted alongside the crank pulley. This comes with a billet belt guard for aircraft and offroad racing applications. Water pump systems use an external electric water pump. Power Take Offs are also available via clutched or direct-drive couplings.



sales@radialmotion.com.au

Email us for price and availability on your complete unit package. Pricing starts at AU\$35,000 / US\$25,000.