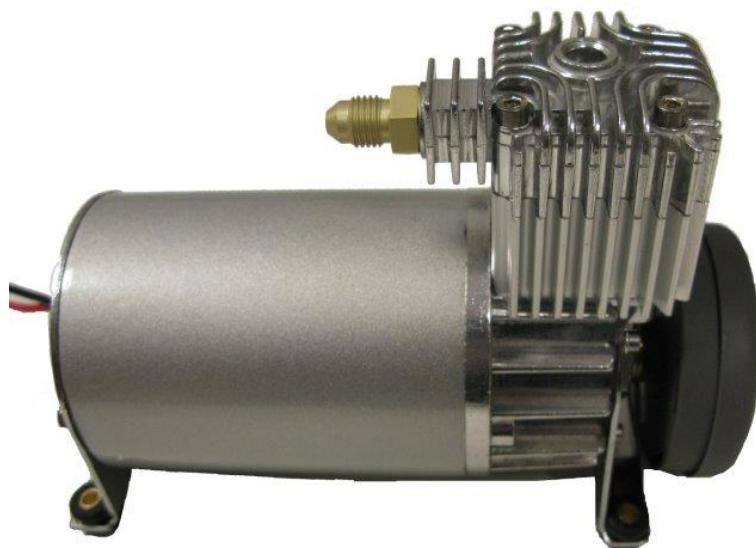


## Compact air compressor

### Model ZA083-1

#### Introduction:

A 12V electric compressor proven in endurance events around the world, the ZA083 compact compressor combines high efficiency with an easy packaging size. Internal reworking and blue printing allows high reliability and performance with each compressor going through a rigorous sign off procedure. Features include screw on air filter with renewable element, AV mounting rubbers and built in cooling vanes. Its small size allows for flexibility when mounting in a vehicle, and the compressor has been successfully fitted to a range of cars from GTE to single seaters.



#### Summary:

The compact compressor provides a reliable pressure supply of up to 10bar. It has been proven in endurance events such as Le Mans and Daytona 24hrs amongst other round the clock events. It runs off a normal 12V vehicle power system. The compressor is often controlled from the GCU or ECU and is normally switched through a relay or power distribution module. There are four mounting holes in the feet of the compressor allowing easy installation. The compressor requires a clean, cold air feed to ensure maximum performance and reliability. Outlet is a standard dash 4 JIC male fitting. Standard build is with unterminated flying leads, allowing customers to fit their connector of choice. DTP termination is available from stock and AS connectors can be fitted on request.

#### System requirements:

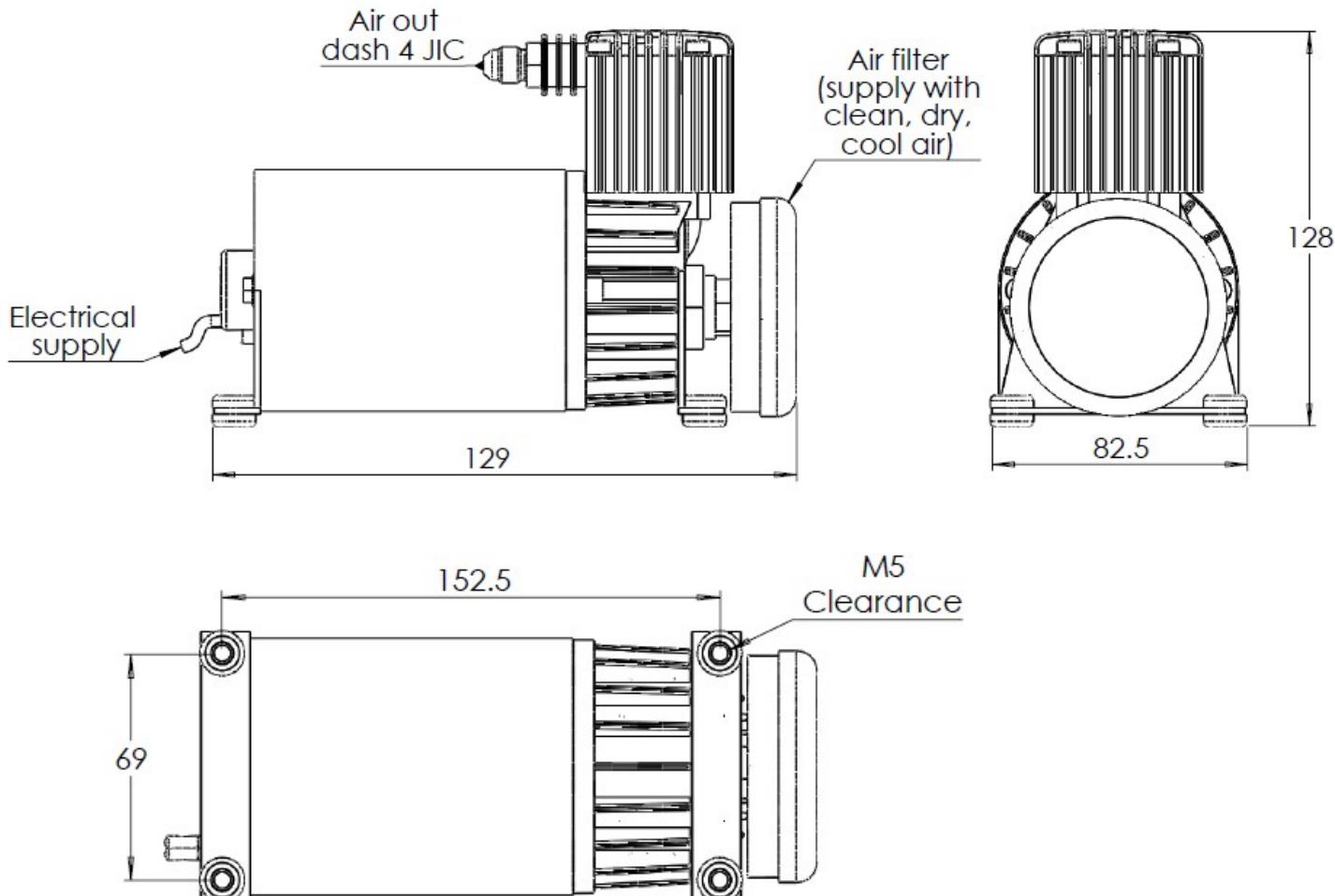
Electrical supply	.....	12-15 V
Ambient working temperature	.....	-10 to +50 °C
Installation notes	.....	See Appendix 2

#### Technical data:

Maximum operating pressure	.....	10 bar
Operating current	.....	18 amps
Recommended supply capability	.....	30 Amps <sup>1</sup>
Pin out	.....	See Appendix 1

**Dimensions:**

Length	.....	187 mm
Width	.....	78 mm
Height	.....	119 mm
Weight	.....	2200 g


**Ordering information:**

Description	Part number
Compact compressor flying lead	ZA083-1
Compact compressor DTP connection	ZA084-1
Solid state switching relay DTP	ZE024-1

**Appendix 1**

Connector pin out

Wire	Name	Comment
Red	+12V	Unterminated 300mm
Black	GND	Unterminated 300mm

**Appendix 2**

Installation and running notes

- Install with clean, dry, cold air feed
- Mount away from direct heat sources
- Recommended maximum on duty of 50%

**Notes:**

1 Peak inrush current on start up may be up to 45A