



AIR POWER SOURCE (APS)

The Air Power Source has become an integral part of the Shiftec range; since its introduction in 2012, it has multiple race wins across endurance racing and WRC including Le Mans and Daytona 24hr.

The combination of low power consumption with lightweight and easy packaging, means it's suitable for both saloon and single seater vehicles, where space may be at a premium.

ROAD RACE



KEY POINTS

- Fully Integrated Compressor, Accumulator and Gear Box Controller In A Single Package
- Optional Remote Filter Kit with D4 JIC Air Feed Fitting
- Simple Vehicle Installation
- Easy Interface & Mounting Feet
- Lightweight Design with Designed in Cooling Vanes
- Autosport Power Connector
- Low Current Consumption

PRODUCT ORDERING INFORMATION

DESCRIPTION	PART NO
Air Power Source	ZT010-10

CONNECTOR PIN OUT

PIN	DEFINITION
1-4	+12 V Battery
5-8	GND
9	CAN Hi
10	CAN Lo
11	+12 V Battery - clean supply low power
12	+12 V Battery
13	GND

DIMENSIONS

Weight	1800g
Width	66mm
Height	190mm
Length	190mm

TECHNICAL DATA

Maximum Operating Pressure	9.8 Bar
Pressure Rise Time 0-7.5 Bar	12 Seconds Max
Air Outlet Fitting	Dash 4 JIC Male
Wiring Connector Fitted	AS010 35PN
CAN Termination	Software Selectable
Environmental Protection	IP6K4K

SYSTEM REQUIREMENTS

Current Consumption	18A Typical 45A Max
Ambient Working Temperature	-25 to +75 Degrees
Voltage Range	8-16 V
Wiring Mating Half Required	AS610 35SN

DESCRIPTION

The unit combines an air compressor with an accumulator, removing the need for extra pressure vessels and hoses. Meaning the APS is a compact solution that's low in power consumption and weight. A bespoke control unit allows precise motor operation to ensure maximum efficiency. The unit can run in standalone mode, using the pre-set pressure range or can be controlled and monitored over a CAN bus system.

INSTALLATION NOTES

- Requires clean, dry air supply
- Install away from direct heat sources
- Use copperslip when attaching hose fittings
- Use only aluminium or stainless steel hose fittings
- Keep vent hole clean of dirt and debris
- Drain moisture from unit after race weekend usage
- Service interval of 30hrs or 6000km

