

Coolspool 17

28V AIRCRAFT START UNIT

The Coolspool 17 is available in two nominal output voltages, 26V DC or 28V DC. This aircraft start unit is used extensively on light/medium turbine helicopters or aircraft and all 24V DC piston diesel/Avgas engines.

Upper Fadec limits vary according to the manufacturer's software and for this reason two versions of the Coolspool 17 are available.

When compared to a 24V DC start unit of the same capacity, the Coolspool 17 delivers a significantly higher performance, resulting in faster spool-ups and cooler starts impacting directly on turbine life.

This aircraft start unit is designed to be carried on board for emergency power or turbine starting and is fitted with an automatic 3-stage internal charger for maximum cell longevity.

The Coolspool 17 is fitted with solid state voltmeter with 'push to view' button to monitor battery voltage. Securing the output flap of the padded jacket ensures the aircraft start unit is cleared for air transportation. Supplied with Nato lead set, charge lead and heavy-duty canvas protective jacket.

When connected in parallel with Powervamp's PS30 DC power supply, both units deliver a unique lightweight combination of performance and versatility.



Supplied as standard with



Typical power plant:*

Arrius 2F, Rolls-Royce 250, or power plants of a similar specification



Occasional use - single turbine civil helicopters, piston twins

Coolspool 17

Specifications

Peak amps**	1800A
Nominal voltage	26V or 28V DC depending on model
Standing voltage	27.3V or 30.7V DC depending on model
Amp/hour capacity	16 Ah @ 10 hr rate (20°C)
Operating temp	-40°C to +45°C (-40°F to +113°F)
Case	Aluminium with lie-flat handle
Voltmeter	Solid state LED, IP65
Aircraft cable	2m (6ft) with heavy-duty rubber Nato connector
Charger	1.9A 3-stage internal charger/ 90-264V AC/47-63Hz/single phase
Dimensions	H 275mm (10in), L 365mm (14in), W 100mm (4in)
Weight	26V DC version: 17.5kg (38lb) 28V DC version: 18kg (40lb)
NCAGE	KD628

** Peak amps is a theoretical calculation of the instantaneous current from a momentary dead short across the battery terminals. It is not representative of the power delivered at the aircraft plug due to cable losses and other factors. This figure is only shown for comparative purposes.



Coolspool 17: EC130 preflight and start

Features

- High powered sealed lead acid AGM batteries
- Cleared for air transportation
- Internal charger with LED status indicator
- Corrosion resistant aluminium case with carry handle
- Aircraft cable with heavy-duty Nato connector
- S50 auxiliary/accessory port
- Solid state voltmeter with 'push to view' feature
- Heavy-duty canvas protective jacket

Optional extras



4m Nato lead



Other GPUs and power supplies in the Powervamp range



Coolspool 29 (26V)



Coolspool 29 Twin (26V)



GPU 1500/40



PS50



PS100



GPU 1700

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