



# CASC<sup>TM</sup> Compact Aircraft Support Cart

Size matters. Our Compact Aircraft Support Cart sets the standard in ground support for fixed wing and rotary aircraft by providing reliable AC and DC power distribution and pressurized air-start, all in one compact unit.

## Multi-Mission Support

CASC offers simplicity of operation, reduced maintenance, and maximum portability. It is the ideal support equipment for any mission platform, including back-up/emergency GPU/ASU for rooftop or remote helipads, such as hospitals, oil rigs, or hotels.

## Logistic Simplicity

By utilizing proven and reliable industry-standard parts as their main components, the CASC units provide maximum logistics commonality with most rotary aircraft.

## Convenience

The highly portable CASC unit is easily lifted by forklift or people, and fits inside a standard elevator for rooftop operations.



*Ultra compact, deployable, and highly reliable – CASC redefines lightweight ground support for today's fixed wing and rotary aircraft.*

Epsilon Systems' CASC ground support units are designed for rapid deployment and mission flexibility. Compact and portable, these units leave a small footprint on any mission platform.

- Currently in use in North America, Europe, Africa, Asia, and the Middle East.
- Tested and approved by Sikorsky as the preferred ground support equipment for use on H-60/S-70, S-76, and S-92 helicopters worldwide.



Specifications*	CASC	PCASC
<b>Dimensions/Weight</b>		
Footprint L x W x H	52 x 25 x 25 inch • 132 x 64 x 64 cm	58 x 32 x 25 inch • 147 x 81 x 64 cm
Weight (fueled)	547 lbs • 248 kg	660 lbs • 299 kg
<b>Auxiliary Power Unit (APU)</b>		
Honeywell GTCP36-150	36-150[BH]	36-150[s92]
Bleed Air Capability, maximum	59 lbm/min • 0.45 kg/sec	57 lbm/min • 0.43 kg/sec
Bleed Air Pressure, maximum	47 psia • 325 kPa	48 psia • 330 kPa
Maximum Shaft Power	56 hp	75 hp
Pad Speed	12,000 rpm	12,000 rpm
Exhaust Gas Temperature	1,265°F • 685°C	1,255°F • 679°C
Start Time	~30 Seconds	~30 Seconds
<b>Shutdown Automatic/Manual</b>		
Oil Pressure	Automatic	Automatic
Overspeed	Automatic	Automatic
Overtemperature	Automatic	Automatic
Loss of Electrical Power	Automatic	Automatic
Hot Oil	Manual	Manual
<b>AC Power</b>		
Output	120/208 Volts AC, 35 kVA	120/208 Volts AC, 48 kVA
Rated Amps	100 Amps	125 Amps
Speed	11,400-12,600 RPM	11,400-12,600 RPM
Nominal	400 Hz @ 12,000 RPM	400 Hz @ 12,000 RPM
Cooling	Fan and blast-cooled	Fan and blast-cooled
<b>DC Power</b>		
Output	28.5 Volts DC, 6 KW	NA
Maximum Current During Starting	1000 Amperes	NA
Speed	11,400-12,600 RPM	NA
Nominal	Continuous load within speed range: 200 Amps	No
Cooling	Blast Cooled & Fan	No
<b>Electrical Protection Functions</b>		
Overvoltage Protection	Yes	Yes
Overload Protection	Yes	Yes
Under Voltage Protection	Yes	Yes
Feeder Fault Protection	Yes	Yes
Reverse Current Protection	Yes	N/A
Reverse Polarity Build Up Protection	Yes	N/A
Open Ground Protection	Yes	N/A
Anti-Cycle Protection	Yes	N/A
<b>Fuel System</b>		
Capacity	18 gallons • 68 liters	18 gallons • 68 liters
Type	JP-4, JP-5, JP-8 (or commercial equivalent)	JP-4, JP-5, JP-8 (or commercial equivalent)
<b>Standard Accessories</b>		
Technical Manuals	IPB, Maintenance & Operation	IPB, Maintenance & Operation
AC Power Cable	60 ft • 18.2 m	60 ft • 18.2 m
DC Power Cable	20 ft • 6 m	N/A
Air Hose (anti-chafe skin)	30 ft • 9.1 m	30 ft • 9.1 m
Four-wheeled Transporter	Fixed mounted w/handbrake & tow bar	Fixed mounted w/handbrake & tow bar
<b>Optional Add-ons</b>		
Protective Cover	Yes, custom fit, waterproof	Yes, custom fit, waterproof
Custom Paint	Yes	Yes
Tethered Remote	Yes, custom lengths	N/A
*Unit only, not including transporter		



## Contact

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