

# Shipboard Mobile Electric Power Plant (SMEPP)

A self-propelled cart supplying 400Hz, 270VDC, and 28VDC  
electrical power for military aircraft



An Oshkosh Corporation Company

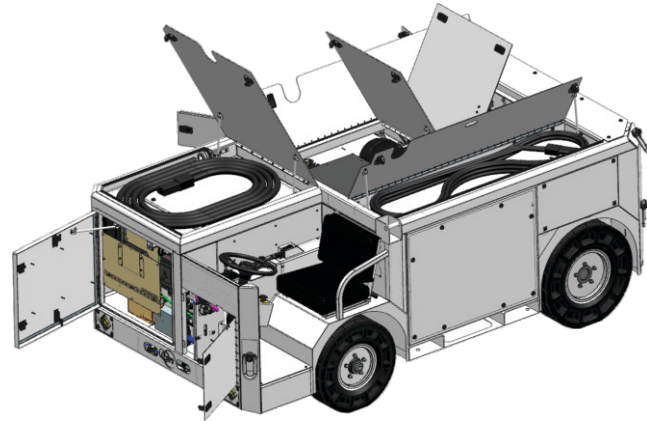
## Defense

When support IS the mission

The Shipboard Mobile Electric Power Plant (SMEPP) will provide electrical power for fighter, cargo and specialty military aircraft. Designed for the rugged environment of carrier-based operations, this self-propelled electrical power cart from JBT supplies 28VDC, 270VDC, and 400 Hz AC power for most types of military aircraft.



The driveable unit, with a 13 foot (4m) turn radius is ideal for operation in tight spaces and with electric drive is suitable for hangar applications. It comes with integral cable storage areas and semi-solid tires and is rated for land and shipboard use. SMEPP is air-transportable on C-130, C-17, C-5, and CH-53 aircraft.



Specifications	
<b>Aircraft Serviced</b>	F-18, F-35 (LMCO approved), CH-Series, UCLASS, F-15, F-16, etc.
<b>Length</b>	122 in / 3.1 m
<b>Width</b>	64 in / 1.63 m
<b>Height</b>	46 in / 1.17 m
<b>Weight (Dry)</b>	7800 lbs / 3538 kg
<b>Ground Clearance</b>	7.5 in / 0.19 m
<b>EME</b>	MIL-STD-464
<b>Electrical</b>	MIL-STD-704F
<b>Operating Temperatures</b>	-20°F to 125°F / -29°C to 52°C
<b>EMI</b>	Compatible with USN shipboard use
<b>400Hz Power</b>	115VAC / 3 phase / 75kVA
	125% overload 5 min, 150% overload 5 seconds
	+/- 1% output voltage regulation
	<0.5% steady state voltage modulation
	+/- 1% frequency modulation
	<3% THD
<b>270 VDC Power</b>	270VDC, 72kW
	270VDC auxiliary power at 4kW
	125% overload 5 minutes, 150% overload 5 seconds
	F-35 approved (LMCO)
<b>28 VDC Power</b>	28VDC, 14 kW
	125% overload 5 minutes, 300% overload 1 minute

**Contact AeroTech Defense for more details.**

**Website: [www.oshkoshaerotech.com](http://www.oshkoshaerotech.com)**