

# Container-Compatible, Stand-Mounted 400 Hz Power & Air Units – Mobile MAGG

Mobile MAGG from AeroTech is a PCAir, 400 Hz and 50Hz combination air and power unit for fighter jets specifically designed for extreme cold temperatures and to fit into about one-third the space of a 20 foot ISO Container.



An Oshkosh Corporation Company

## Defense

When support IS the mission

Designed to be easily transportable, the Mobile MAGG from AeroTech fits into an ISO Container, taking up about 1/3 the total volume. Powered from shore power or a 50Hz generator, the unit outputs 45kVA / 400 Hz / 115 VAC electrical power, 50 Hz convenience power, and chilled air. The R134A charged PCAir unit is a unique combination of a direct expansion system coupled with a glycol air-to-air heat exchanger. This allows the unit to continue supplying refrigerated air at temperatures below 14 °F (-10 °C) when direct expansion technologies are severely degraded.



#### Nominal Characteristics - Mobile MAGG

<b>Configuration</b>	<b>Static w/ Forklift Pockets: Sized w/in ISO 20 ft Container</b>
<b>Power</b>	<b>Utility Power Input 400 / 3 / 50 Hz w/ 60 Hz Option</b>
<b>Aircraft (Serviced)</b>	<b>Gripen JAS 39, F-15, F-18, F-35</b>
<b>Air Transportable</b>	<b>C-130, C-17, C-5, A400M</b>
<b>Modes</b>	<b>Cool DX, Cool Glycol, 400 Hz Power, Diagnostics Mode</b>
<b>Ambient Envelope</b>	<b>-51 °F to +120 °F / -46 °C to +49 °C</b>
<b>Weight</b>	<b>8200 lbs / 3719 kg</b>
<b>Length</b>	<b>77.5 in / 197 cm</b>
<b>Width</b>	<b>96 in / 244 cm</b>
<b>Height</b>	<b>96 in / 244 cm</b>
<b>Nominal Pressure and Flow</b>	<b>100 ppm at 5 psi, Variable 50 to 120 ppm, up to 8 psi</b>
<b>Integral Forklift Pockets</b>	<b>Yes, in ISO Container Element</b>
<b>Solar Power</b>	<b>Yes, MAGG incorporates Solar System Augmentation</b>
<b>Refrigerant</b>	<b>R134A and Glycol Loop</b>
<b>Glycol Pump</b>	<b>100 gpm</b>
<b>400 Hz Output</b>	<b>Dual each 22.5 kVA, 115 / 200 / 400 Hz</b>
<b>Standards</b>	<b>Mil Std 704F, JS-66593</b>
<b>50 Hz Output (Receptacle)</b>	<b>Dual 230 / 1 / 50 Hz and 230 / 400 / 3 / 50 Hz</b>
<b>Fabrication</b>	<b>ISO 9001</b>

\*Nominal Characteristics subject to change

**Contact AeroTech Defense for more details.**

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