

# JetAire® Units for Bleed / Air Start and Environmental Control Systems (ECS)

Oshkosh AeroTech manufactures several high-pressure, bleed-air / air start capable high pressure air units used to support fighter aircraft operations and testing.



**Defense**

When support IS the mission

Oshkosh AeroTech produces three unique solutions supplying Bleed and ECS air for fighter jets. With airflows up to 140 lb/min and discharge pressures up to 50 psig, there is an Oshkosh AeroTech high pressure air cart for virtually any application. Additionally, the AgileAir® cart not only supplies bleed air, but it is a diesel-powered combination air and power cart that supplies conditioned cooling air and 400 Hz electrical power.

Oshkosh AeroTech delivers a comprehensive range of air and power devices for military applications using fighter, cargo or specialty aircraft.



#### Specifications

Characteristic	AgileAir	CAS	Helios
Bleed Air Flow	100 lbs/min, 750 g/s	Up to 100 lbs/min, 750 g/s	Up to 150 lbs/min, 1130 g/s
Discharge Temp	Controlled to 330°F / 166°C	400 - 500 °F, 204 - 288 °C	160 - 250 °F, 71 - 121 °C
Discharge Pressure	1 - 45.5 psig, 0 - 314 kPa	1 - 50 psig, 0 - 345 kPa	1 - 45.5 psig, 0 - 314 kPa
Operating Temp	-40 - 120 °F, -40 - 49 °C	-40 - 125 °F, -20 - 52 °C	-40 - 140 °F, -40 - 60 °C
Length	122 in, 3.1 m	162.25 in, 4.12 m	168 in, 4.27 m
Width	70 in, 1.8 m	78 in, 1.98 m	78 in, 1.98 m
Height	85.5 in, 2.2 m	92 in, 2.33 m	92 in, 2.33 m
Weight Fueled	9,100 lbs / 4128 kgs	11,510 lbs / 5221 kgs	14,575 lbs, 6,694 kgs
Weight Dry	~8,000 lbs / ~3629 kgs	~10,000 lbs / ~4536 kgs	~13,829 lbs / 6273 kgs
Engine	Cummins QSL 6.7 L	Cummins QSL 9 L	Cummins QSM11
Conditioned Air Output	100 lbs / min @ 6 psig	N/A	N/A
Power Output	400 Hz, 75 kVA, 270 VDC, or 28 VDC	N/A	N/A
Compressor Type	Proprietary	Screw	Screw
SERDS	01A10-1A	41A35-1A	Developed for FMS

Contact Oshkosh AeroTech for more details.



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