

# 600 Series

## 250 & 270 PPM CONTINUOUS FLOW JET START UNITS



**The 600 Series** are truck or trailer mounted continuous flow jet engine starting units producing 250 to 270 PPM (depending on engine selection) at up to 40 psig start air pressure.

Basic components include an air-cooled rotary screw compressor, diesel engine, and the ACE air regulating system. Standard features include dual mode operation, automatic throttle roll-back and an easy access canopy. These components and features combine to produce the most versatile and cost efficient air start units available.

### DESIGN FEATURES

- **“Oil-free dry-screw” rotary compressor.**  
Precision cutting of compressor rotors eliminates the need for teflon or other coatings, which can fail due to differential expansion between rotors and casing.
- **Integral oil cooler and fan.**
- **Double seals and ventilated intermediate chambers** prevent oil contamination of rotors.
- **Easy to operate**, with engine/compressor instrumentation on control panel.
- **Torsional isolation** between male compressor rotor and built-in multiplying gearbox.
- **Integrated housing** bolts directly to engine flywheel housing eliminating alignment problems.
- **Automatic throttle roll-back system** to decrease engine RPM when full output is not required, reducing noise and fuel consumption.
- **Two mode operation.** Air pacs and jet start modes have independently adjustable supply pressures.
- **Aircraft safety systems** - designed to protect from overpressure, or loss of pressure, during starting procedures.
- **Safety systems**, designed to protect the unit from damage due to high temperature or a loss of oil pressure.
- **Normal compressor overhaul** at 25,000 operating hours.
- **Wide canopy doors** allow unhampered access to all components for ease of routine maintenance.
- **Outlet air temperature** of 390°F (200°C) assures quick starts.
- **Two each 3-1/2” I.D. outlets provided.**
- **Properly rated chassis cab or fifth wheel steering trailer** - highly maneuverable in congested airport environments.

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## OPTIONAL EQUIPMENT

- Various cold weather starting aids.
- Fuel/water separator.
- Low fuel warning system.
- Fault annunciation system.
- Rotating/flashing beacon.

## DESIGN SPECIFICATIONS

ACE Model No.	600-1250	600-2250	600-1270	600-2270	600-270-DDS	600-270-DDP
Engine	Deutz	Deutz	Detroit Diesel	Detroit Diesel	Detroit Diesel	Detroit Diesel
Model	BF8M1015C	BF8M1015C	8V92TADDEC**	8V92TADDEC**	Series 60** (14 Liters)	Series 60** (14 Liters)
Horsepower	544	544	585	585	630	630
Compressor	Aerzen	Aerzen	Aerzen	Aerzen	Aerzen	Aerzen
Model	VML410	VML410	VML410	VML410	VML410	VML410
Air Flow PPM	250	250	270	270	270	270
Mounting	Truck*	Trailer	Truck*	Trailer	Truck*	Trailer
Length (Approx.) Inches (cm)	168 (427)	206 (523)	172 (437)	206 (523)	184 (467)	222 (564)
Width (Approx.) Inches (cm)	80 (203)	80 (203)	80 (203)	80 (203)	80 (203)	80 (203)
Height (Approx.) Inches (cm)	78 (198)	99 (252)	67.5 (172)	88.5 (225)	64.75 (165)	87.25 (222)
Weight (Approx.) Lbs (Kg)	11,000 (4,991)	11,500 (5,216)	11,000 (4,991)	11,500 (5,216)	12,263 (5,574)	13,840 (6,290)

\*Provided as skid unit for truck mounting. Contact ACE for assistance with chassis selection and dimensions including chassis.

\*\*Fault annunciation is standard.



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