

ASU-600-150

150 PPM CONTINUOUS FLOW JET START UNITS



The **ASU-600-150** are truck or trailer mounted continuous flow jet engine starting units producing up to 150 PPM and up to 40 psig start air pressure.

Basic components include an air-cooled rotary screw compressor, diesel engine, and the TLD air regulating system. Standard features include dual mode operation, automatic throttle rollback 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 clearances 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** as part of the compressor eliminates unnecessary plumbing.
- ✦ **Double seals and ventilated intermediate chambers** prevent oil contamination of rotors.
- ✦ **Flexible coupling**, the engine and the compressor are connected by a flexible coupling.
- ✦ **Integrated housing** bolts directly to engine flywheel eliminating alignment problems.
- ✦ **Extra Rugged design** – fully galvanized base and powder-coated panels and doors provide the best possible resistance to the harsh GSE application

- ✦ **Automatic throttle rollback 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.
- ✦ **Discharge Silencer and low compressor rotor speed** greatly reduces noise.
- ✦ **Aircraft safety systems** – designed to protect from overpressure 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.
- ✦ **Easy to operate**, with engine/compressor instrumentation on control panel.
- ✦ **4 large doors** allow unhampered access to all components for ease of routine maintenance.
- ✦ **Outlet air temperature** of approx 410°F (210°C) (based on standard day conditions.) assures starts.
- ✦ **One outlet provided.**
- ✦ **Properly rated chassis cab or fifth wheel steering trailer** – highly maneuverable in congested airport environments.
- ✦ **24 VDC system.**
- ✦ **Fuel filter/water separator.**
- ✦ **Fault annunciation.**



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OPTIONAL EQUIPMENT

- ✧ Fuel Heater, 24 VDC.
- ✧ Engine block heater, 120 VAC or 240 VAC.
- ✧ Low fuel warning and shutdown system.
- ✧ Low fuel warning and rampdown system.
- ✧ Additional sound attenuation
- ✧ Flashing or rotating beacon.
- ✧ Hush kit.
- ✧ Rub rails.
- ✧ Warm up and cool down timer.

DESIGN SPECIFICATIONS

Engine		Cummins QSC
Compressor		Aerzen
Model		VML310
Air Flow	(ppm)	150
Mounting		Trailer*
Length	Inches (cm)	176 (447)
Width	Inches (cm)	60 (152)
Height	Inches (cm)	71 (180)
Weight	Lbs (kg)	8,050 (3,660)**

* Can be provided as skid unit for truck mounting. Contact TLD for assistance with chassis selection and dimensions.

** Approximate without fuel.

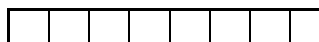


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Tolerances of mentioned data: +/- 5%
Specifications may be altered due to a constant effort to improve performance.