

ASU-600

180-300 PPM CONTINUOUS
FLOW JET START UNITS



The ASU-600 Series is a line of truck or trailer mounted continuous flow jet engine starting units, producing 180-300 ppm of airflow at up to 40 psig pressure.

Major components include an air-cooled rotary screw compressor, the latest emissions-compliant diesel engine, and the proven ACE air regulating system. Standard features include dual mode operation, automatic throttle roll-back and an easy access canopy mounted on a rugged, galvanized steel chassis. These components and features combine to produce the most versatile and cost efficient air start units on the market today.

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.
- ❖ **Warm up and Cool down Systems**
- ❖ **Fault annunciation system**
- ❖ **Fully Galvanized Frame** and powder-coated panels for unprecedented corrosion resistance
- ❖ **Integrated housing**, bolts directly to engine flywheel eliminating alignment problems.
- ❖ **Automatic throttle roll-back system**, to decrease engine speed when full output is not required, reducing noise and fuel consumption.
- ❖ **Two-mode operation** - Air packs 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 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.
- ❖ **Tie down and Lifting rings**

Tolerances of mentioned data: +/- 5 %

Specifications may be altered due to a constant effort to improve performance.

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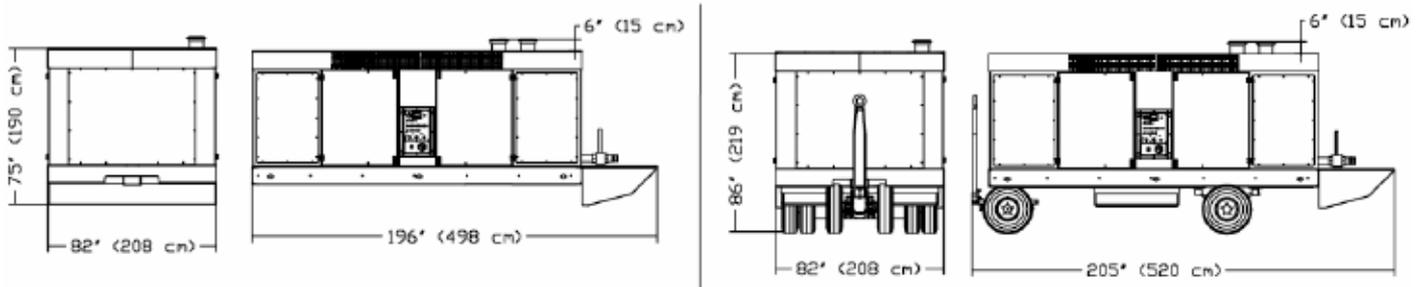
OPTIONAL EQUIPMENT

- ❖ Fuel filter / water separator with heater
- ❖ Hush kit
- ❖ Low fuel warning system with flashing or rotating beacon, red or amber
- ❖ Low fuel warning and shutdown system with flashing or rotating beacon, red or amber
- ❖ Warning beacon, flashing, non- flashing or rotating, red or amber
- ❖ Engine block heater, 120 or 240 VAC
- ❖ Engine cool down timer
- ❖ Electronic ether start (Detroit engines only)
- ❖ Plastic rub rails

DESIGN SPECIFICATIONS

Model ASU-600	180-DD 180-DU	200-DD 200-DU	270-DD 270-DU	300-DD 300-DU
Engine	Detroit Diesel Series 60 14L			
	Deutz TCD2015V08	Deutz TCD2015V08	Deutz TCD2015V08	Deutz TCD2015V08
Compressor	Aerzen VML310	Aerzen VML310	Aerzen VML410	Aerzen VML410
Air Flow ppm (kg/s)	180 (1.36)	200 (1.51)	270 (2.04)	300 (2.27)
Weight lbs (kg)	Skid	10,400 (4,720)	Skid	11,100 (5,050)
	Trailer	10,900 (4,950)	Trailer	11,600 (5,260)

DIMENSIONS (Approximate)



- * Skid units can be mounted on properly rated chassis. Dimensions shown are for module only. Overall dimensions depend on final mounting configuration.
- * The 6" pipes on the roof of the unit can easily be removed for shipping.



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