

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**



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GROUND SUPPORT EQUIPMENT

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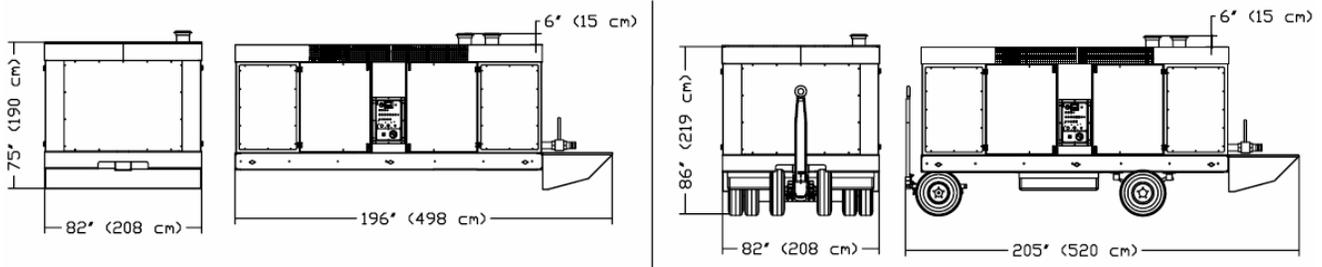
OPTIONAL EQUIPMENT

- ✦ 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

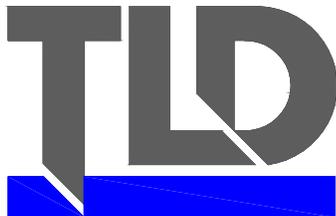
DESIGN SPECIFICATIONS

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	Detroit Diesel Series 60 14L	Detroit Diesel Series 60 14L	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 Trailer	10,400 (4,720) 10,900 (4,950)	Skid Trailer	11,100 (5,050) 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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ASU-600_B datasheet



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