

(Business Registration No: 199400661M)

AES A300-TL Air Starter Unit Technical Specification

Ambient data

Temperature: $-20\text{ }^{\circ}\text{C} \sim +50\text{ }^{\circ}\text{C}$

Relative humidity: $\leq 95\%$

Operating Performance

Continuous-flow turbine engine air starter for all types of jet engine but GE90

Volume flow: 300 ppm@42psi

Discharge temperature: $\leq 210\text{ }^{\circ}\text{C}$

Dimension and Weight

Overall dimension: 4600mmX2100mmX2200mm

Weight: 5500kg

Standard Equipment

Engine: DEUTZ TCD2015V8, 500kw/2100rpm

Compressor: GHH-RAND CD42S, air cooling, oil free, double screw rotary

Aircraft Protection System

Automatic discharge air pressure safety relief system to protect aircraft

Discharge air regulating valve 42psig(289kpag)

Discharge air safety valve 50psig(345kpag)

Engine and compressor protection system automatic 'Unload' and 'Air Pack' mode only

Dual discharge air outlet with manual shutoff valves

Discharge hose manual bleed-down valve

Automatic Control System

Demand air throttle control

Engine protection warning lamps and unit shutdown for high coolant temperature, low engine oil pressure

Compressor warning lamps and unit shutdown for high compressor oil temperature, low compressor oil pressure and high output air temperature

Other features

Illuminated operator control panel with complete gauge set

Rust proof engine/compressor heat exchanger

Maintenance free batteries: 750 CCA

Fuel economy, decreased maintenance and noise control (sound and vibration dampening material)

Electrical system 24 V DC

2pcs imported 40 feet length, inner diameter 3 $\frac{1}{2}$ " pneumatic hose with ISO2026 coupling.

Trailer-mounted

Standard instruments

- Tachometer
- Water temperature
- Engine oil pressure
- Panel mounted electric and tank mounted mechanical fuel level gauges
- Air output temperature and pressure
- Compressor oil temperature and pressure indicators
- Safety warning and shutdown indicators
- Engine protection warning lamps and unit S/D for high coolant temperature, low oil pressure
- Flashing Beacon
- Low fuel level warning beacon and Low fuel shutdown circuit
- Engine/compressor filters indicators
- General mechanics tool set
- Wheel chocks

