

QAS 150 MD T4F

Mobile Generator



Standard Scope of Supply

The Atlas Copco **QAS 150 MD T4F** generators are prime power, multi-voltage, sound attenuated, mobile generators. They are powered by a MTU T4 Final liquid-cooled, six cylinder diesel engine.

The units consist of an alternator, diesel engine, cooling system, electrical distribution and control systems - all enclosed within a sound attenuated enclosure fabricated powder coated zinc rich primer 100 hour salt spray tested.

A broad range of undercarriage formats and options are available.

Special attention has been given to the overall product quality, user friendliness, ease of serviceability, and economical operation to ensure best in class total cost of ownership.

Available Models

QAS 150 MD

Multiple voltage – 150kVA prime power – MTU engine

Standard Features

- Compact, sound attenuated, corrosion resistant, with single point lifting and 110% fluid containment
- Available as a skid mounted unit with forklift pockets, or on a dual axle trailer
- Heavy Duty alternator with AREP excitation and marine grade protection
- Single side service with long run filters and 500 hour service intervals
- Extremely reliable and durable MTU 4R1000
- Emergency Stop
- Remote Start / Stop

Benefits

- Extremely durable and environmentally sensitive, designed to be used for everything from the oil patch to special event power
- Versatility, giving you the flexibility to match your machine to the correct application
- Start-up power for the most demanding sites with 300% over load starting capabilities
- Heavy duty oil, air and fuel filters extend the maintenance interval to 500 hours for reduced total cost of ownership
- Reduces maintenance costs with long intervals easy access for mechanics
- Proven engine platform with high reliability
- External, recessed emergency stop for increased safety
- Allows connection as a critical back-up unit via a 2 wire dry contact connection in the distribution panel

Technical Data¹

Generator	Units	QAS 150 MD
Rated Prime Power 3Ø	kW / kVA	120/150
Rated Standby Power 3Ø	kW / kVA	132/165
3Ø Power Factor		0.8
3Ø Voltage In 480V Switch Position (Series Star w/ Neutral)	V	480Y/277
Amp Capacity @ 480V	A	180
3Ø Voltage In 240-208V Switch Position (Parallel Star w/ Neutral)	V	240Y/139 – 208Y/120
Amp Capacity @ 240V	A	361
Amp Capacity @ 208V	A	400
Rated Prime Power 1Ø	kW / kVA	83/83
1Ø Power Factor		1.0
1Ø Voltage In 120-240V Switch Position (Zig-Zag)	V	240/120
Amp Capacity @ 240V	A	400
Amp Capacity @ 120V	A	400 x 2
Alternator (4 Pole, 12 Wire)	Leroy Somer	LSA 44.2 S7
Excitation		AREP
Automatic Voltage Regulator (+/- 0.5%)	Leroy Somer	R438
Insulation		Class H
Frequency	Hz	60
Main Breaker - Shunt Trip	A	400
Amperage Capacity @ 400V 50HZ	A	173
Power Distribution – Terminal Board		5 Wire (L1, L2, L3, N, Ground)
Terminal Board Connections		Bare Wire Terminals
Maximum Terminal Cable Size		350MCM
Convenience Receptacles ²		2 x NEMA 5-20R & 2 x 125/250V 50A CS6364

Engine	Units	QAS 150 MD
Model	MTU	4R1000
US EPA Tier		Tier 4 Final
Displacement	L	5.1
Cylinders	#	4
Continuous Engine Power Output	HP (kW)	192 (143)
Gross Engine Power Output	HP (kW)	227 (170)
Rated Speed	RPM	1800
Engine Control		ECU
Aspiration		Turbocharged
Engine oil capacity ³	US Gal (L)	5.4 (20.5)
Engine coolant capacity	US Gal (L)	2.9 (11)
Maximum Ambient Temperature (@ Sea Level) ⁴	°F (°C)	122 (50)
Minimum Starting Temperature (Without cold weather options)	°F (°C)	14 (-10)
Minimum Starting Temperature (With cold weather kit) ⁵	°F (°C)	-13 (-25)
Electrical System (Negative Ground)	V	24
Engine Alternator Output	A	100
Battery Capacity (Cold Cranking Amps)	A	2x 650
Sound Pressure Level @ 23'(7 m) @ 75% Load ⁶	dB(A)	73.1

Fuel System	Units	QAS 150 MD
Fuel Consumption @ 0% load	US Gal/hr (L/hr)	1.98 (7.5)
Fuel Consumption @ 50% load	US Gal/hr (L/hr)	4.8 (18)
Fuel Consumption @ 75% load	US Gal/hr (L/hr)	7.6(28.8)
Fuel Consumption @ 100% load	US Gal/hr (L/hr)	8.19 (31)
Fuel Type		Ultra Low Sulfur Diesel ONLY ⁷
Fuel Tank Capacity	US Gal (L)	270 (1022)
Fuel Autonomy @ 75% load	Hr	36
DEF Tank Capacity	US Gal (L)	25(95)
DEF Autonomy @ 75% load ⁸	Hr	83

¹ All ratings are at a reference

condition of 0' altitude and 20°C (72°F)

² Please see receptacle voltage configuration in Power Distribution section on page #5

³ Engine oil to meet CJ-4 (low ash oil)

⁴ Please see "Derate Table" for altitude and temperature calculations on page #4

⁵ Cold start option comes with 120V block heater and 0W40 synthetic engine oil

⁶ Measured in accordance with ISO 2151 under free field conditions @ 7m distance

⁷ Engine and emissions require the use of Ultra Low Sulfur Diesel in accordance to ASTM-D975 Grade No.1-D S15 & No.2-D S15

⁸ Based on 90% volume of fuel tank