



ATA

Makes Life Brighter

Generators & Switchgear Solutions

ATA John Deere 150, DT165S 150 kVA

Power node (prime)		150 kVA prime/165 kVA stand-by				
Speed	Operation	Engine		Gen drive rating		
		kW (Gross)	Fan power	Gen eff.	kVA	KWe
1500 rpm – 50 Hz	Prime power	139	7.7	92%	151	121
	Standby power	153	7.7	92%	167	134
1800 rpm – 60 Hz	Prime power	154	8.5	92%	167	134
	Standby power	169	8.5	92%	185	148

General Data

Model (Bare/Power Unit)	DT165S
Configuration	6 cylinders, in-line
Type	4-stroke
Displacement	6.8L
Bore and stroke	106 x 127 mm
Compression ratio	17.2 : 1
Rotation	Counterclockwise
Injection type	Mechanical, comp. with e-gov
Aspiration	Turbocharged (air to air cooled)
Starter	3,2 kW, 12V
Alternator	75 amp, 12V
Total lubricating capacity	32L
Service	Right hand side
Flywheel housing	SAE 3
Flywheel	11.5"
Cooling system	Water-cooled

Fuel consumption (kg/h)

Frequency	Operation	25%	50%	75%	100%
1500 rpm – 50 Hz	Prime power	9.9	19.6	29.9	38.0
	Standby power	10.9	21.7	32.4	41.9
1800 rpm – 60 Hz	Prime power	10.9	20.6	31.5	41.2
	Standby power	11.8	22.7	34.6	44.2

Dimensions

Type	Length (mm)	Width (mm)	Height (mm)	Fuel Tank (L)	Weight (KG)
Open	2248	900	1560	400	1560
Closed	3562	1155	1832	400	2201

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ALTERNATOR SPECIFICATIONS

TAL 044 - Three-phase 70 to 200 kVA- 50 Hz / 88 to 250 kVA- 60 Hz

Insulation class	H	Excitation system 6-wire	SHUNT AREP+ / PMG
Winding pitch	2/3 (wind.6S - 6-wire / wind.6 - 12-wire)	AVR type	R120 R180
Number of wires	6 (12 option)	Excitation system 12-wire (option)	SHUNT AREP+ / PMG
Protection	IP 23	AVR type	R120 R180
Altitude	≤ 1000 m	Voltage regulation (*)	± 1 % ± 0.5 %
Overspeed	2250 R.P.M.	Total Harmonic Distortion THD (**) in no-load	< 2 %
Air flow 50 Hz	0.29 m³/s	Total Harmonic Distortion THD (**) in linear load	< 5 %
Air flow 60 Hz	0.34 m³/s	Waveform: NEMA = TIF (**)	< 50
AREP+/PMG Short-circuit current = 2.7 In : 5 second		Waveform: I.E.C. = FHT (**)	< 2%

Control Panel

DSE6110
Auto Start Control Module
The DSE6110 MKIII is an Auto Start Control Module suitable for a wide variety of single, diesel or gas, genset applications.
OVERALL SIZE
216 mm x 158 mm x 43 mm (8.5" x 6.2" x 1.5")
PANEL CUTOUT SIZE
184 mm x 137 mm (7.2" x 5.3")
MAXIMUM PANEL THICKNESS
8.0 mm (0.3")
WEIGHT
0.5kg
PRODUCT VARIANTS
6110-05 - 6110 MKIII Auto Start Control Module



Optional configurations:

Engine accessories:

- Heavy-duty air filter
- Coolant heater
- Lubricant oil heater
- Fuel and Water Separator
- Lube oil rotary pump

Alternator And Accessories:

- Leroy somer/stamford
- Anti condensation heater
- PMG + AVR ◊ Double bearing
- alternator High voltage _____kV
- RTDs for Bearing and winding

Cooling System:

- 55 degree Radiator
- Remote Radiator

Control System:

- AMF
- Parallel
- Practical type in low temperature environment
- Control Screen Heater
- Remote Annunciators
- Other (Comp, DEIF)

Circuit Breaker:

- 3/4 poles
- Fixed/handcart type
- Electric mechanism

Automatic Transfer Switch (ATS):

- ATS cabinet
- Contractor type ATS
- Motorized changeover type ATS

Start Battery:

- Nickel-cadmium battery
- Maintenance-free battery
- Battery charger and selector switch
- Charging current meter

External Fuel Tank:

- Single /double wall fuel tank (500-5000 L)
- Fuel Transfer pump

Exhaust Muffler:

- Residential grade
- Critical grade
- Hospital grade

Available for voltages :

- 400/230V, 480/277V, 380/220V, 440/254V, 416/240V, 220/127V, 208/120V

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Prime Rating:

Unlimited hours usage, with an average load factor of 80% over each 24 hours period. 10% overload is available for 1 hour in every 12 hours operation. 0 overload is permitted on standby power.

Standby Rating:

Limited to 500 hours annual usage, with an average load factor of 80% of the published standby power rating over each 24 hours period. Up to 300 hours of annual usage may be run continuously. No over-load is permitted on standby power.

Engine:

John Deere, including air filters, fuel filters, oil filter, starting motor and charging alternator etc.

Warranty policy:

ATA products have a warranty for 12 months or 1000 hours whichever occurs first against any manufacturing defects

Wearing parts (filters), incorrect man-made operation, maintenance failures are excluded from the warranty policy

Radiator:

50°C, fan protective shroud

Fuel Tank:

Capacity of fuel tank is for 8– 10 hours running
Built in fuel tank up to 800 kVA

Circuit Breaker:

3 pole LS MCCB

Alternator Type:

brushless AC alternator

Control system alarms:

Over and Under Speed
Low and High Battery Volt. Start and Stop Failure Over Current Under / Over Generator Voltage
Low Oil Pressure
Emergency stop High engine temperature



STAMFORD
power generation

DSE



LEROY SOMER

Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice. All photos are representative and may not reflect exact mode.

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