

# ELECTRICAL SPECIFICATIONS

EAS20310

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### Voltage

System voltage	12 V
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### Ignition system

Ignition system	TCI
Ignition timing (B.T.D.C.)	5.0°/1100 r/min

### Engine control unit

Model/manufacture	TBDF77/DENSO (Europe except (B) and (F)) (ZA) (AUS) TBDFD2/DENSO (B) (F)
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### Ignition coil

Minimum ignition spark gap	6.0 mm (0.24 in)
Primary coil resistance	1.19–1.61 $\Omega$
Secondary coil resistance	8.50–11.50 k $\Omega$

### AC magneto

Standard output	14.0 V, 42.9 A at 5000 r/min
Stator coil resistance	0.112–0.168 $\Omega$ at 20 °C (68 °F)

### Rectifier/regulator

Regulator type	Semi conductor-short circuit
No load regulated voltage	14.2–14.8 V
Rectifier capacity	50.0 A

### Battery

Model	YTZ12S
Voltage, capacity	12 V, 11.0 Ah
Manufacturer	GS YUASA
Ten hour rate amperage	1.10 A

### Headlight

Bulb type	Halogen bulb
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### Bulb voltage, wattage × quantity

Headlight	12 V, 55 W × 2
Auxiliary light	12 V, 5.0 W × 2
Tail/brake light	LED
Front turn signal light	12 V, 10.0 W × 2
Rear turn signal light	12 V, 10.0 W × 2
License plate light	12 V, 5.0 W × 1
Meter lighting	LED

### Indicator light

Neutral indicator light	LED
Turn signal indicator light	LED
Oil level warning light	LED
High beam indicator light	LED
Coolant temperature warning light	LED

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Engine trouble warning light	LED
ABS warning light	LED
Immobilizer system indicator light	LED
Traction control system indicator light	LED
<b>Electric starting system</b>	
System type	Constant mesh
<b>Starter motor</b>	
Power output	0.75 kW
Armature coil resistance	0.0100–0.0200 $\Omega$
Brush overall length	12.0 mm (0.47 in)
Limit	6.50 mm (0.26 in)
Brush spring force	6.02–6.51 N (614–664 gf, 21.69–23.45 oz)
Mica undercut (depth)	0.70 mm (0.03 in)
<b>Starter relay</b>	
Amperage	180.0 A
Coil resistance	4.18–4.62 $\Omega$
<b>Horn</b>	
Horn type	Plane
Quantity	1 pc
Maximum amperage	3.0 A
<b>Turn signal/hazard relay</b>	
Relay type	Full transistor
Built-in, self-canceling device	No
<b>Fuel sender unit</b>	
Sender unit resistance (full)	19.0–21.0 $\Omega$
Sender unit resistance (empty)	139.0–141.0 $\Omega$
<b>Starting circuit cut-off relay</b>	
Coil resistance	180.0 $\Omega$
<b>Headlight relay</b>	
Coil resistance	96.00 $\Omega$
<b>Throttle servo motor</b>	
Resistance	0–100 $\Omega$
<b>Fuses</b>	
Main fuse	50.0 A
Headlight fuse	20.0 A
Taillight fuse	7.5 A
Signaling system fuse	10.0 A
Ignition fuse	20.0 A
Radiator fan motor fuse	20.0 A
Auxiliary DC jack fuse	3.0 A
Fuel injection system fuse	10.0 A
ABS motor fuse	30.0 A
ABS ECU fuse	7.5 A

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ABS solenoid fuse	20.0 A
Backup fuse	7.5 A
Electronic throttle valve fuse	7.5 A
Accessory light fuse (OPTION)	20.0 A
Spare fuse	30.0 A
Spare fuse	20.0 A
Spare fuse	10.0 A
Spare fuse	7.5 A
Spare fuse	3.0 A