



DIESEL GENERATOR

T4F

| WEIGHT AND DIMENSIONS - STATIC | | | | |
|--------------------------------|-----|-------|--|--|
| Length | in | 184 | | |
| Width | in | 74 | | |
| Height | in | 100 | | |
| Weight* | lbs | 17998 | | |

*Standard build with all fluids including fuel

| WEIGHT AND DIMENSIONS - TRAILER MOUNTED | | | |
|---|-----|-------|--|
| Length | in | 254 | |
| Width | in | 102 | |
| Height | in | 123 | |
| Weight* | lbs | 20238 | |

*Standard build with all fluids including fuel

| ELECTRICAL | | | | | | | |
|----------------|--------|-------------|----------|------|------|-------------------|-----------|
| | | | Prime Ra | ting | | | |
| Frequency (Hz) | Phases | Voltage (V) | kVA | kW | Amps | Rated Speed (RPM) | Emissions |
| 60 | 3 | 480/277V | 400 | 320 | 482 | 1800 | T4F |
| 60 | 3 | 208/120V | 400 | 320 | 2 | 1800 | T4F |
| 60 | I | 240V | 175 | 175 | 729 | 1800 | T4F |

| POWER FACTOR | |
|--------------|-----|
| 3 Phase | 0.8 |
| I Phase | 1 |

ALL RATINGS ARE TO STANDARD REFERENCE CONDITIONS

Prime: This rating is for the supply of continuous electrical power, at variable load (70% average), in lieu of commercially purchase power. There is no limitation on the annual hours of operation and 10% over load power can be supplied for 1 hour in 12.

Ambient reference conditions 1000mbar, 25°C, 30% relative humidity ISO3046



| AIR SYSTEM | | | | |
|-------------------------------|---------------------|--------------------------------|-----------|--|
| Limiting Ambient Temperature | °F | | 122 | |
| Radiator Duct Allowance | In H ₂ O | 60Hz | 1.00 | |
| Radiator Cooling Airflow | cfm | | 15892 | |
| EXHAUST SYSTEM | | | | |
| Maximum Temperature 100% | °F | | 988 | |
| Exhaust Gas Flow 100% | lbs/hr | 60Hz | 2366 | |
| Maximum Allowed Back Pressure | In H ₂ O | | 88 | |
| FUEL SYSTEM | | | | |
| Diesel Specification | Grade | ASTM [| 0975 (2D) | |
| Standard Fuel Tank Capacity | (US) g | 423 Steel Double Skinned | | |
| Fuel Tank Material | Туре | | | |
| Fuel Tank Construction | | | | |
| FUEL CONSUMPTION | | | | |
| 100% Load Prime | (US) gph | | 21.3 | |
| 75% Load Prime | (US) gph | 60Hz | 16.7 | |
| 50% Load Prime | (US) gph | | 11.6 | |
| | | | | |
| DEF SYSTEM | | | | |
| DEF Specification | | | 22241-1 | |
| Standard Capacity Tank | (US) g | 42.3 | | |
| DEE CONSUMPTION | | | | |

| DEF CONSUMPTION | | | |
|-----------------|----------|------|------|
| 100% Load Prime | (US) gph | | 1.11 |
| 75% Load Prime | (US) gph | 60Hz | 0.87 |
| 50% Load Prime | (US) gph | | 0.60 |

| I800 RPMNet Output Rating (PRP)kW308Net Output Rating (Standby)kW385Wanufacturer and ModelVolvo TAD1375VEFuelObjeselInjectionEUIAspirationEUICylinders6Bore and Strokein5.16 × 6.22Displacementin ³ 780.0CoolingVaterEngine Oil SpecificationII.7.8 : 1Engine Oil Capacity(US) g9.51Coolant Capacity(US) g11.6GovernorElectronic | | | |
|---|-----------------------------|-----------------|-------------------|
| Net Output Rating (PRP)kW308Net Output Rating (Standby)kW385Manufacturer and ModelKW385FuelVolvo TAD1375VEInjectionCUIAspirationEUICylindersGBore and Strokein5.16 x 6.22Displacementin ³ 780.0CoolingKAPI CH4-SAE 10W4Engine Oil Specification(US) g9.51Coolant Capacity(US) g11.6GovernorElectronic | ENGINE | | |
| Net Output Rating (Standby)kW385Manufacturer and ModelVolvo TAD1375VEFuelDieselInjectionEUIAspirationTurbo ChargedCylinders6Bore and StrokeinDisplacementin ³ CoolingWaterEngine Oil SpecificationITAPI CH4-SAE 10W4Compression RatioITAPI CH4-SAE 10W4Coolant Capacity(US) gGovernorItaGElectronic | | | |
| Manufacturer and ModelVolvo TAD1375VEFuelDieselInjectionEUIAspirationTurbo ChargedCylindersinBore and StrokeinDisplacementin ³ CoolingWaterEngine Oil SpecificationAPI CH4-SAE 10W4Compression Ratio17.8 : 1Engine Oil Capacity(US) gGovernor11.6GovernorElectronic | , , | | 000 |
| FuelDieselInjectionCEUIAspirationTurbo ChargedCylindersCGBore and Strokein5.16 x 6.22Displacementin³780.0CoolingVaterEngine Oil SpecificationC17.8 : 1Engine Oil Capacity(US) g9.51Coolant Capacity(US) g11.6GovernorElectronic | Net Output Rating (Standby) | kW | 385 |
| InjectionInitial ControlAspirationEUIAspirationTurbo ChargedCylindersinBore and StrokeinDisplacementin ³ CoolingWaterEngine Oil SpecificationAPI CH4-SAE 10W4Compression Ratio17.8 : 1Engine Oil Capacity(US) gCoolant Capacity(US) gGovernorElectronic | Manufacturer and Model | | Volvo TAD I 375VE |
| AspirationTurbo ChargedCylindersCylindersBore and StrokeinDisplacementin³CoolingWaterEngine Oil SpecificationCoolCompression RatioIT.8 : 1Engine Oil Capacity(US) gCoolant CapacityIt.6GovernorElectronic | Fuel | | Diesel |
| CylindersImage: CylindersImage: CylindersBore and Strokein5.16 × 6.22Displacementin³780.0CoolingImage: CylinderWaterEngine Oil SpecificationImage: CylinderCompression RatioImage: CylinderEngine Oil Capacity(US) g9.51Coolant Capacity(US) g11.6GovernorImage: CylinderElectronic | Injection | | EUI |
| Bore and Strokein5.16 x 6.22Displacementin³780.0CoolingWaterEngine Oil SpecificationAPI CH4-SAE 10W4Compression Ratio17.8 : 1Engine Oil Capacity(US) gCoolant Capacity(US) gGovernorElectronic | Aspiration | | Turbo Charged |
| Displacementin³780.0CoolingWaterEngine Oil SpecificationAPI CH4-SAE 10W4Compression Ratio17.8 : 1Engine Oil Capacity(US) gCoolant Capacity(US) gGovernorElectronic | Cylinders | | 6 |
| CoolingWaterEngine Oil SpecificationAPI CH4-SAE 10W4Compression Ratio17.8 : 1Engine Oil Capacity(US) gCoolant Capacity(US) gGovernorElectronic | Bore and Stroke | in | 5.16 x 6.22 |
| Engine Oil SpecificationAPI CH4-SAE 10W4Compression Ratio17.8 : 1Engine Oil Capacity(US) gCoolant Capacity(US) gGovernorElectronic | Displacement | in ³ | 780.0 |
| Compression Ratio17.8 : IEngine Oil Capacity(US) g9.51Coolant Capacity(US) g11.6GovernorElectronic | Cooling | | Water |
| Engine Oil Capacity(US) g9.51Coolant Capacity(US) g11.6GovernorElectronic | Engine Oil Specification | | API CH4-SAE 10W40 |
| Coolant Capacity(US) g11.6GovernorElectronic | Compression Ratio | | 17.8 : 1 |
| Governor Electronic | Engine Oil Capacity | (US) g | 9.51 |
| | Coolant Capacity | (US) g | 11.6 |
| Engine Oil Consumption (US) gph 0.02 | Governor | | Electronic |
| | Engine Oil Consumption | (US) gph | 0.02 |
| SCR • | | SCR | • |
| Exhaust After treatment DOC x | Exhaust After treatment | DOC | х |
| DPF x | | DPF | Х |
| AMBIENT CLEARANCE | AMBIENT CLEARANCE | | |
| Upper Temperature Limit ^O F 122 | | °F | 122 |
| Lower Temperature Limit ^o F 23 | Lower Temperature Limit | °F | 23 |

| SOUND PRESSURE | | | |
|---------------------------------|-------|------|----|
| LpA (23ft) - <i>Provisional</i> | dB(A) | 60Hz | 70 |

JCB GENERATOR TECHNICAL SPECIFICATIONS. www.jcb.com. JCB reserves the right to change specifications without notice. Illustrations shown may include optional equipment and accessories.



ELECTRICAL

| AVR DSR | | | Х |
|--------------------------------------|--|--------------------|----------|
| AVR DER1 with 3 phase sensing | | | • |
| Total + Winding Protection for Hars | sh & Saline Environments | | • |
| MAUX – High Motor Start Auxiliary | Winding | | • |
| Anti-Condensation Heater | | | Δ |
| 3 Pole Moulded Case Circuit Breake | r | | • |
| Earth Leakage Protection (Switchable | e) | | Δ |
| Preparation for Earth Spike | | | • |
| Emergency Stop Button (Control Pa | nel) | | • |
| 120V Charger & Heater Supply Sock | <ets td="" <=""><td></td><td>Δ</td></ets> | | Δ |
| GFCI 120V Small Power Sockets | | | Δ |
| 50A Shore Power Sockets | | | Δ |
| Camlock Connections | | | Δ |
| Terminal Safety Microswitches | | | • |
| Standard: • | Not Available: x | Optional: Δ | |
| | | | |

BATTERY FEATURES

| Battery Isolator | • |
|-----------------------|------------------|
| Battery Type | Sealed Lead Acid |
| Battery Charger – 10A | Δ |

STARTING SYSTEMBattery CapacityAh1000Number of Batteries2Auxiliary VoltageV24

| ALTERNATOR ECO40-15/4B | | |
|---|-------------------------------------|--|
| Poles | 4 | |
| Insulation | Class H | |
| Enclosure | IP23 | |
| Exciter System | MAUX Excitation | |
| Voltage Regulator | AVR - DERI | |
| Steady State Voltage Regulation | +/- 0.5% | |
| Bearing | Single bearing sealed | |
| Coupling | Flexible disc | |
| Cooling | Direct drive centrifugal blower fan | |
| Coating | Total Protection + | |
| Multi Position Voltage Selection Switch | Δ | |
| Standard: • Not A | vailable: x Optional: Δ | |

| CONTROL AND COMMUNICATION | |
|--|----------------|
| DSE 7310 (Non Sync) Controller | Х |
| DSE 8610 (Sync) Controller (>220 with DSE8003 colour screen) | • |
| Deif AGC I 50 (Non Sync) Controller | Х |
| Deif AGC4 (Sync) Controller with TDU7 Touchscreen Display | Δ |
| Analogue Load Share | Δ |
| External USB Programmable Port | Δ |
| JCB LiveLink for Power | • |
| High Engine Temperature Shutdown | • |
| Low Oil Pressure Shutdown | • |
| Low Coolant Level Alarm | • |
| Leak Detection Alarm | Δ |
| Analogue Hour Counter | Δ |
| Bus Live Warning Lamp | • |
| Audible Alarm Sounder | • |
| Panel Mounted Voltage Trimpot | Δ |
| Standard: • Not Available: x Opti | onal: Δ |



MECHANICAL

| Tropical Cooli | ng Pack | | | • |
|-----------------|-------------------------|------------------|--------------------|----------|
| Heavy Duty A | ir Filter | | | • |
| Radiator Fan C | Guards | | | • |
| Hot Compone | ent Guards | | | • |
| Manual Oil Dr | ain Pump | | | Δ |
| Water Jacket | Heater | | | Δ |
| Fuel Pre-Filter | with Separator | | | • |
| Racor water/fu | uel separator | | | Δ |
| Racor change | over water/fuel separ | ator | | Х |
| Fuel Level Ser | nder | | | • |
| 3 Way Fuel Va | alve | | | Δ |
| Exhaust Silenc | er including Aftertreat | ment | | • |
| Fuel Tank Acc | ess Plate | | | • |
| External Fuel a | and DEF Fill Point | | | • |
| Remote DEF | Tank Connection | | | Δ |
| | Standard: • | Not Available: x | Optional: Δ | |
| | | | | |

TRAILER - Optional

| ···· ································· | | | |
|--|------------------|--------------------|---|
| DOT Approval | | | • |
| LED Lights | | | • |
| Electric Brakes | | | • |
| Access Platform Fenders | | | • |
| 3" Pintle Eye Hitch | | | • |
| 7 Pin Towing Electrics | | | • |
| Tie Down Points | | | • |
| Heavy Duty Jack | | | • |
| Fire Extinguisher | | | Δ |
| Black Paint Finish (Trailer & Rims) | | | • |
| Standard: • | Not Available: x | Optional: Δ | |
| | | | |

| CANOPY | | | |
|-------------------------------------|------------------|--------------------|---|
| Lockable Maintenance Access Doors | | | • |
| Control Panel Viewing Window | | | • |
| Single Lift Point | | | • |
| Fork Lift Pockets | | | Δ |
| Fluid Containment with Drain Point | | | • |
| 4 Point Tie Down | | | • |
| High Density Fire Retardant Foam | | | • |
| Yellow Paint | | | • |
| Other Paint Finishes | | | Δ |
| Heavy Duty Rental Base | | | • |
| Zintec Steel Canopy | | | • |
| Integrated High Level Access Ladder | | | • |
| Self-Latching Cable Access Points | | | • |
| Door Retention Catches | | | • |
| External Emergency Stop Button | | | • |
| Waterproof Document Holder | | | Δ |
| Standard: • | Not Available: x | Optional: Δ | |
| | | | |

JCB GENERATOR TECHNICAL SPECIFICATIONS. www.jcb.com. JCB reserves the right to change specifications without notice. Illustrations shown may include optional equipment and accessories.