

MODEL EC60E Compact Excavator

Minimum Bid Specifications

- Unit bid shall be currently advertised and produced model with all the latest standard features whether or not called for in these specifications. Standard equipment shall be defined in current manufacturer’s literature. (Provide current brochure / specifications of the unit bid)
- Indicate compliance with checking either a YES or NO answer.
- A 'YES' answer indicates 100% compliance with the entire statement. Manufacturer's bid is allowed to meet, or exceed, stated specifications, unless otherwise quantified.
- Explain all 'NO' answers in detail on a separate page, clearly referencing the relevant non-conforming item(s) by section and item number.

COMPLIANT?	
YES	NO

I. GENERAL

- | | | |
|---|-------|-------|
| 1. Construction duty, Track-type crawler compact excavator. Conventional tail swing, | _____ | _____ |
| 2. All specifications advertised must comply with SAE recommended practice or ISO standard. | _____ | _____ |
| 3. X-frame undercarriage, 16 inch rubber track. | _____ | _____ |
| 4. Backfill blade with float, boom offset, double/single acting auxiliary hydraulics. | _____ | _____ |
| 5. Lockable tilting, one-piece hood for ease of service to engine | _____ | _____ |
| 6. Lockable tilting, one-piece hood for ease of service to MCV | _____ | _____ |
| 6. Central grease location for boom offset cylinder, swing gear and swing bearing. | _____ | _____ |
| 7. Machine includes operator manual, safety manual, and safety decals, English. | _____ | _____ |

II. SEAT/OPERATOR PLATFORM:

- | | | |
|---|-------|-------|
| 1. Seat: Full suspension seat and a two inch seat belt. | _____ | _____ |
| 2. Enclosed Cab: Tinted window, heat/ac with automatic temperature regulation | _____ | _____ |
| 3. Cab ROPs and TOPs, fabric suspension seat. Non slip floor mat, adjustable consoles. | _____ | _____ |
| 4. Removable lower bottom window, sliding right side window. Intermittent window wiper. | _____ | _____ |
| 5. Hydraulic safety lock outs on console. | _____ | _____ |
| 6. ISO pattern change valve electrical actuated from operators control panel | _____ | _____ |

III. DASH INSTRUMENTATION:

- | | | |
|--|-------|-------|
| 1. Instrumentation shall include to following indicators: Equipped with engine stop light, engine preheating, engine oil pressure, coolant water temperature, battery charge, air, fuel and hydraulic filter restriction, digital and analogue hour meter’s, fuel gauge. | _____ | _____ |
|--|-------|-------|

IV. LOADER - General Purpose:

- Unit to be equipped with boom, arm and 30" bucket configuration.
- | | | |
|--|-------|-------|
| 1. Machine operating weight shall be a minimum of 12,830 lbs. | _____ | _____ |
| 2. Minimum ground reach of 20' 0". | _____ | _____ |
| 3. Minimum digging depth of 12' 1". | _____ | _____ |
| 4. Minimum dump height of 13' 7". | _____ | _____ |
| 5. Minimum lift capacity at 9' 10" radius at ground level of 2,998 lbs blade up 360° rotation. | _____ | _____ |
| 6. Minimum swing speed of 9.5 rpm. | _____ | _____ |
| 7. Minimum boom offset of 70° left and 60° right. | _____ | _____ |
| 8. Minimum bucket breakout force will be 9720 lb ISO 6015 | _____ | _____ |
| 9. Minimum dipper tear out force will be 6470 lb. ISO 6015 | _____ | _____ |
| 10. Maximum ground pressure of 5 psi on rubber tracks. | _____ | _____ |

V. ENGINE:

1. Engine shall have 4 cylinders. _____
2. Meets or exceeds U.S. Federal Emissions standards T4f (stage 111B) _____
- 3: Regeneration to have three modes, Fully Automatic, Dynamic, Park _____
3. Air Cleaner: Dual element, replaceable inner element and restriction indicator. _____
4. Fuel Filtering: Two stage fuel-filtering system utilizing a water/sediment separator and filter element. System shall be self-bleeding. _____
5. Lubrication: Full-flow pressure lubrication with spin-on filter cartridge. _____
6. Horsepower Output: Minimum 57 Net engine HP at 2200 RPM. _____
7. Throttle Control: To be hand operable. _____
8. Cooling System: Air to fluid coolers side by side mounted _____
9. Engine to have Auto Idle and Auto Shut Down with adjustable timer _____

VI. ELECTRICAL:

1. System voltage shall be 12 volt. _____
2. Battery shall be of a heavy duty design rated at 100 Ah. _____
3. The alternator shall produce a minimum of 90 amps. _____

VII. UNDERCARRIAGE:

1. The undercarriage shall be of an X-Frame design having sloped side members for easy cleaning. _____
2. The maximum tractive effort shall not be less than 11,870 lbf. _____
3. Minimum ground clearance shall be 1' 2". _____
4. Minimum bottom track roller shall be 5. _____
5. Minimum top track roller shall be 1. _____

VIII. HYDRAULIC SYSTEM:

1. Type: Open center, load sensing, Variable displacement total power control hydraulic system. Having a single gear pump and a double axial piston pump for independent movement of functions. _____
2. Minimum auxiliary flow shall be 2x 16 gpm. _____
3. Main hydraulic system pressure shall be minimum 3270psi. _____
4. Oil Cooler shall be side by side mounted for easy to access. _____
5. Boom cylinder extension, dipper cylinder retraction, and off set cylinder both sides shall have end of stroke dampening. (Cushioning) _____
6. Boom offset shall be equipped with a balancing valve holding to boom offset angle in position chosen by the operator. _____
7. Pipe work shall be high pressure hydraulic tubes treated against corrosion, externally mounted for easy service and less wear. _____
8. Swing motor shall be a direct drive radial piston hydraulic motor equipped with multi-disc bake and hydro sensor shockless hydraulic valve. _____
- 9: Single and double acting hydraulics with piping to arm _____
10. Three "Response Modes" for work hydraulic. _____
11. Dozer blade to be activated by toggle switch on RH joystick lever _____
12. Ability to adjust through the operators control panel hydraulic oil flow on, single and double acting hydraulics, offset boom and dozer blade _____

IX. DIMENSIONS:

1. Maximum height shall be 8' 5". _____
2. Transport length shall be 19' 3". _____
3. Track Length shall be 8' 2". _____
4. Track width with rubber tracks shall be 16". _____

5. Undercarriage width shall be 6' 4".

X. CAPACITIES:

- 1. Fuel tank shall be a minimum of 29 US gal.
- 2. Coolant circuit (radiator and engine) shall be a minimum of 2.4 US gal.
- 3. Engine oil system shall be a minimum of 4 US gal.
- 4. Hydraulic system shall be a minimum of 22 US gal.

XI. SAFETY:

- 1. Unit to be equipped with cab with heat and ac.
- 2. Vandalism protection must include key lockable engine and battery compartments and cab door locks.
- 3. All locks must be operated with the engine start key.

XII. WARRANTY:

Standard Warranty: 12 months, unlimited hours

OPTIONAL EQUIPMENT REQUIRED:

XIII. SEAT/OPERATOR PLATFORM:

- 1. Cab to be equipped with radio with bluetooth
- 2. Side rear view mirror.
- 3. Anti-theft system.

XIV. CAB EXTERIOR:

- 1. Travel alarm.
- 2. Front work lamp.
- 3. Rear work lamp.
- 4. Rotating beacon.

ATTACHMENTS TO INCLUDE:

- HYDRAULIC THUMB**
- 24 INCH BUCKET**
- 18 INCH BUCKET**
- PIN KITS FOR ALL BUCKETS**
- MECHANICAL PIN GRAB COUPLER**
- 48 INCH HYD TILT DITCHING BUCKET WITH BOLT ON EDGE**