

Tradução do catálogo da Escavadeira Hitachi EX2600-6

Notas: tradução técnica PT-BR com preservação de estrutura, numeração e unidades. Quando pertinente, mantive o termo em inglês entre parênteses após o termo em português.

Glossário rápido (PT → EN): lança (boom); braço (arm); caçamba (bucket); mecanismo de giro (swing mechanism); anel de giro (swing circle); contrapeso (counterweight); esteiras/material rodante (undercarriage); sapatas de três garras (triple-grouser shoes); roda motriz (drive tumbler); roldana guia (idler); redutor planetário (planetary gear); marcha lenta automática (auto-idle); válvula de alívio (relief valve); acumulador de N₂ (N₂ accumulator); motor de pistões axiais (axial-piston motor); circuito piloto (pilot circuit); estrutura superior (upperstructure); junta central (center joint).

PÁGINA 1 — ESPECIFICAÇÕES DA EX2600-6

****CAPACIDADE DA CAÇAMBA DA RETROESCAVADEIRA (SAE heaped):**** 17.0 m³ (22.2 cu. yd.)

****CAPACIDADE DA CAÇAMBA TIPO PÁ-CARREGADEIRA (heaped):**** 15.0–16.5 m³ (19.6–21.6 cu. yd.)

****PESO OPERACIONAL:****

- Retroescavadeira (backhoe): 254 000 kg (560,000 lb.)

- Pá-carregadeira frontal (loading shovel): 252 000 kg (556,000 lb.)

****POTÊNCIA NOMINAL:**** 1119 kW (1,500 HP)

PÁGINA 2 — DIMENSÕES DA EX2600-6 & ITENS DE SÉRIE/OPCIONAIS

****Dimensões selecionadas**** (a partir dos desenhos de arranjo geral):

- 7250 mm (23' 9")
- 6000 mm (19' 8")
- 1000 mm (39")
- 800 mm (31")
- 8040 mm (26' 5")
- 5000 mm (16' 5")
- Comprimento da traseira (rear-end length): 6190 mm (20' 4")
- Raio de giro da traseira (rear-end swing radius): 6290 mm (20' 8")
- 2160 mm (7' 1")
- 7870 mm (25' 10")
- 6120 mm (20' 1")
- 2060 mm (6' 9")

ITENS DE SÉRIE

****Motor****

- Alternador de 140 A
- Filtro de ar pesado com ejetor de pó
- Filtro de óleo do motor, tipo cartucho
- Filtro bypass de óleo do motor, tipo cartucho
- Filtro de combustível, tipo cartucho
- Filtro de água

- Tanque de reserva do radiador
- Grade do ventilador
- Motor montado com isoladores
- Sistema de pré-lubrificação
- Sistema de marcha lenta automática (auto-idle)
- Botão de emergência para parada do motor

****Sistema hidráulico****

- Sistema de controle motor-bomba (Engine-Pump, EP)
- Sistema Hidráulico Ótimo (Optimum Hydraulic System, OHS)
- Sistema de Bomba Economizadora de Combustível (Fuel-Saving Pump System, FPS)
- Sistema hidráulico de ventilador de arrefecimento
- Sistema de lubrificação e resfriamento forçados da transmissão das bombas
- Válvula de controle com válvula principal de alívio (relief valve)
- Filtro de sucção / Filtro de passagem total (full-flow) / Filtro bypass / Filtro do circuito piloto / Filtro de dreno / Peneira de alta pressão

****Cabine (operator's cab)****

- Proteção superior OPG nível II (ISO)
- Coxins elásticos com fluido
- Para-brisa laminado; vidros laterais e traseiro reforçados/tingidos (bronze)
- Limpador de para-brisa intermitente tipo elo paralelo; lavador
- Assento reclinável ajustável com suspensão pneumática; apoio para os pés
- Buzina pneumática com compressor elétrico (air horn)
- Rádio AM-FM auto-sintonia com relógio digital
- Cinto de segurança; compartimento térmico quente/frio; porta-objetos; tapete de piso

- Ar-condicionado com desembaçador
- Espelho retrovisor; martelo de evacuação; dispositivo de escape de emergência
- Assento para treinador; alavanca de bloqueio dos comandos piloto

****Sistemas de monitoramento (monitor systems)****

- *Medidores:* Horímetro; Indicador de combustível; Temperatura do óleo hidráulico; Temperatura do líquido de arrefecimento; Tacômetro; Pressão do óleo do motor; Temperatura do óleo do motor; Tensão da bateria; Temperatura ambiente
- *Luzes piloto (verde):* Sistema de pré-lubrificação; Auto-idle; Modo de translação (travel)
- *Luzes de advertência (vermelho):* Alternador; Parada do motor; Superaquecimento do líquido de arrefecimento; Nível do óleo hidráulico; Sistema de auto-lubrificação; Abastecimento rápido (fast-filling); Tensão; Alavanca elétrica; Parada de emergência do motor; Válvula superior; Excesso de rotação do motor; Nível do líquido de arrefecimento; Pressão do óleo do motor; Indicador de nível do óleo da transmissão das bombas
- *Luz de advertência (amarelo):* Temperatura de exaustão; Temperatura do combustível; Alerta do motor; Superaquecimento do óleo hidráulico; Posição da escada; Caixa de equipamentos elétricos; Contaminação das bombas; Restrição do filtro de ar
- *Alarmes sonoros:* Superaquecimento; Pressão/nível do líquido de arrefecimento do motor; Temperatura do combustível; Pressão/temperatura do óleo do motor; Temperatura no coletor de admissão; Pressão no cárter; Nível do óleo da transmissão das bombas; Nível do óleo hidráulico; Válvula de parada fechada; Posição do painel do sistema de abastecimento rápido; Posição da escada; Falha da alavanca elétrica

****Sistema de registro de dados (data logging)****

- Unidade de registro de dados (DLU) grava continuamente o desempenho do motor e do sistema hidráulico; dados podem ser baixados por PC
- Sistema de transmissão de dados via satélite

****Iluminação****

- 9 faróis de trabalho de alta intensidade; 2 luzes de acesso; 3 luzes de manutenção

****Estrutura superior (upperstructure)****

- Tampas da máquina com trava; contrapeso de 30 000 kg (66,137.6 lb.)
- Engraxadeira acionada hidráulicamente com carretel de mangueira
- Escadas retráteis com degraus largos
- Freio de estacionamento do giro (swing)
- Sistema de reserva de óleo do motor

****Material rodante (undercarriage)****

- Freio de estacionamento da translação (travel); alarme de movimento
- Tensionador hidráulico das esteiras com acumulador de N₂ e válvula de alívio
- Sapatas de 1000 mm (39 in.) do tipo tripla garra (triple-grouser)

****Diversos****

- Kit de ferramentas padrão; escadas e corrimãos (ISO)
- Filtros de recirculação e ventilação do A/C
- Barramento de 12 V
- Válvula de bloqueio para transporte e remontagem
- Sistema de auto-lubrificação Lincoln para pinos do implemento frontal, coroa de giro (swing bearing) e junta central (center joint)
- 4 câmeras com monitor colorido (2 dianteiras e 2 traseiras)
- Sistema de reserva de óleo do motor

****Sistema de abastecimento rápido (fast-filling)****

- Sistema Wiggins para abastecimento rápido de combustível, óleo hidráulico, líquido de arrefecimento, óleo do dispositivo de giro, óleo da transmissão das bombas, óleo do motor e graxa

ITENS OPCIONAIS

- Pacote para clima frio; Protetor do motor de translação; Protetor do dispositivo de translação

PÁGINA 3 — ESPECIFICAÇÕES (MOTOR & HIDRÁULICO)

MOTOR

- **Fabricante:** Cummins | **Modelo:** QSKTA50C
- **Tipo:** 4 tempos, 16 cilindros, arrefecido a água
- **Aspiração:** Turbocomprimido e pós-resfriado, diesel de injeção direta (câmara)
- **Potência bruta a 1800 min⁻¹ (rpm) (SAE J1995):** 1119 kW (1,500 hp)
- **Potência líquida a 1800 min⁻¹ (rpm):** 1069 kW (1,434 hp)
- **Torque máximo a 1400 min⁻¹ (rpm):** 6570 N•m / 670 kgf•m (4,846 lbf•ft.)
- **Cilindrada:** 50.0 L (3051 cu. in.)
- **Diâmetro × curso:** 159 mm × 159 mm (6.3 in. × 6.3 in.)
- **Partida:** Motor elétrico 24 V | **Baterias:** 4 × 12 V, 4 × 220 AH
- **Partida a frio:** Assistida por éter

SISTEMA HIDRÁULICO

O **Sistema Eletrônico de Controle Total (Electronic Total Control System, ETS)** da Hitachi otimiza as funções motor-bomba para reduzir consumo e ruído, e maximiza a produtividade com excelente controlabilidade.

- **Controle Motor-Bomba (E-P):** Regulação elétrica por sensoramento de rotação do motor para as bombas principais.
- **Sistema Hidráulico Ótimo (OHS):** 6 bombas principais + sistema de 3 válvulas permitem operações independentes/combinas de todas as funções.
- **Sistema de Bomba Economizadora (FPS):** Minimiza perdas de energia com controle fino.
- **Recursos adicionais:** Auto-idle; Ventilador hidráulico de arrefecimento; Sistema de lubrificação e resfriamento forçados da transmissão das bombas.

****Bombas principais/de giro (main/swing):**** 6 bombas de pistões axiais, deslocamento variável (implemento frontal, translação e giro)

- Vazão máxima: 4 × 375 L/min / 2 × 425 L/min (4 × 99.06 / 2 × 112.3 U.S. gal./min.)

****Bomba piloto (pilot pump):**** 1 bomba de engrenagens

- Vazão máxima: 108 L/min (28.5 U.S. gal./min.)

****Pressões das válvulas de alívio (relief settings)****

- Circuito do implemento: 29.4 MPa / 300 kgf/cm² (4,263 psi)

- Circuito do giro (swing): 27.4 MPa / 280 kgf/cm² (3,973 psi)

- Circuito de translação (travel): 29.4 MPa / 300 kgf/cm² (4,263 psi)

- Circuito piloto: 3.9 MPa / 40 kgf/cm² (565.5 psi)

****Cilindros hidráulicos****

Hastes e tubos de alta resistência; amortecimento nos cilindros da lança (boom), braço (arm), caçamba (bucket) e basculamento (dump); cilindros da caçamba da pá-carregadeira com protetor.

- *Dimensões — Retroescavadeira (backhoe)*

- Lança (boom): 2 × 310 mm (êmbolo) × 230 mm (hast.) (12 in. × 9 in.)

- Braço (arm): 1 × 280 mm × 200 mm (11 in. × 7.9 in.)

- Caçamba (bucket): 1 × 230 mm × 170 mm (9 in. × 7 in.)

- *Dimensões — Pá-carregadeira (loading shovel)*

- Lança (boom): 2 × 310 mm × 230 mm (12 in. × 9 in.)

- Braço (arm): 1 × 280 mm × 210 mm (11 in. × 8 in.)

- Caçamba (bucket): 2 × 250 mm × 180 mm (10 in. × 7 in.)

- Basculamento (dump): 2 × 215 mm × 130 mm (8.5 in. × 5 in.)
- Nivelamento (level): 1 × 310 mm × 230 mm (12 in. × 9 in.)

****Filtros hidráulicos****

Todos os circuitos possuem filtros de alta qualidade para maior vida útil e proteção contra contaminação; filtros centralizados para facilitar a manutenção.

Filtro	Quantidade	Especificação

PÁGINA 4 — CONTROLES, ESTRUTURA SUPERIOR, CABINE E MATERIAL RODANTE

CONTROLES

****Duas alavancas do implemento:**** Joystick elétrico — direita: lança/caçamba; esquerda: giro/braço. (Pá-carregadeira: dois pedais abrem/fecham a caçamba bottom-dump.)

****Duas alavancas de translação com pedais:**** Servo-hidráulico remoto; acionamento independente de cada esteira, permitindo contra-rotação.

ESTRUTURA SUPERIOR (upperstructure)

****Quadro giratório (revolving frame):**** Seção em caixa profunda, totalmente reforçada; chapas de aço espessas para robustez.

****Equipamentos no convés (deck machinery):**** Layout voltado à manutenção; passarelas dão acesso a motor/hidráulico/elétrico; escadas/corrimãos conforme ISO; placas antiderrapantes.

MECANISMO DE GIRO (swing mechanism)

Dois motores de pistões axiais de alto torque + redutor planetário de 2 estágios em banho de óleo; anel de giro (swing circle) com rolamento cilíndrico de três carreiras e vedações; engrenagem interna e pinhão por indução; freio de estacionamento a disco, mola aplicada/liberação hidráulica (liberação manual).

- ****Velocidade de giro:**** 3.8 min^{-1} (rpm)

CABINE DO OPERADOR

Cabine robusta com ****OPG nível II (ISO)****; pressurizada, ampla (7.5 m^3 / 264.8 cu. ft.), 1800 mm (5 ft. 11 in.) de largura × 2150 mm (7 ft. 1 in.) de altura; vidros fumês; assento reclinável com suspensão pneumática; comandos ao alcance; três sistemas de A/C.

- ****Nível de ruído:**** 72 dB(A) (rotação máxima, sem carga)

- ****Altura do nível dos olhos:**** 6290 mm (20 ft. 8 in.)

MATERIAL RODANTE (undercarriage)

****Esteiras/trilhos:**** Tipo pá-carregadeira; ligação aparafusada com dupla flange entre a longarina e o quadro central em X; longarina reforçada, soldada e aliviada de tensões; roletes/roldanas/rodas motrizes temperados por indução e lubrificados vitaliciamente, com vedação flutuante; roletes superiores duplos opostos; sapatas de aço fundido com três garras (triple-grouser); pinos de conexão tratados termicamente; tensionador hidráulico com acumulador de N₂ e válvula de alívio; proteção do tensionador contra tensão anormal; alarme de movimento.

****Pá-carregadeira — material rodante****

- Largura da sapata: 1000 mm (39 in.) (triple grousers)

****Nº de roletes e sapatas (cada lado)****

- Superiores: 3 | Inferiores: 8 | Sapatas: 39

****Dispositivo de translação (travel device)****

- Cada esteira é acionada por motor de pistões axiais de alto torque; contra-rotação; redutor planetário de 2 estágios + redução por engrenagens retas; dispositivo de tração de duplo apoio; freio de estacionamento a disco, mola aplicada/liberação hidráulica (liberação manual).

- Velocidades de translação: ****Alta**** 0–2.3 km/h (0–1.43 mph) | ****Baixa**** 0–1.6 km/h (0–.99 mph)

- Força de tração máx.: 1330 kN / 135 600 kgf (298,944 lbf)

- Capacidade de rampa: 58% (30°) máx.

****PESOS E PRESSÃO SOBRE O SOLO****

- ***Pá-carregadeira*** (caçamba bottom-dump 15.0 m³ (19.6 cu. yd.) — SAE heaped): Sapatas 1000 mm — ****Peso operacional**** 252 000 kg (556,000 lb.) | ****Pressão sobre o solo**** 183 kPa / 1.87 kgf/cm² (26.5 psi)

- ***Retroescavadeira*** (lança 8.7 m, braço 3.9 m, caçamba 17.0 m³ (22.2 cu. yd.) — SAE heaped): Sapatas 1000 mm — ****Peso operacional**** 254 000 kg (560,000 lb.) | ****Pressão sobre o solo**** 185 kPa / 1.89 kgf/cm² (26.8 psi)

PÁGINA 5 — LAYOUT DOS CONTROLES (RETRO), CAPACIDADES DE ABASTECIMENTO E LAYOUT DO CONVÉS

****Layout dos controles da retroescavadeira (numeração):****

1. Console esquerdo; 2. Alavanca esquerda/interruptor da buzina; 3. Pedal de translação esquerdo; 4. Alavanca de translação esquerda; 5. Alavanca de translação direita; 6. Pedal de translação direito; 7. Alavanca direita/interruptor da buzina; 8. Console direito; 9. Assento do operador; 10. Pedal Fechar-Caçamba (pá-carregadeira); 11. Pedal Abrir-Caçamba (pá-carregadeira); 12. Alavanca de bloqueio dos comandos piloto; 13. Console traseiro; 14. Botão de emergência de parada do motor; 15. Seletor de rotação do motor; 16. Chave de ignição; 17. Tela do monitor.

CAPACIDADES DE ABASTECIMENTO (service refill capacities)

| Sistema | Litros | Galões (EUA) | Galões Imperiais |

|---|---:|---:|---:|

| Tanque de combustível | 5300 | 1,400 | 1165 |

| Líquido de arrefecimento do motor | 476 | 126 | 104.7 |

| Óleo do motor – cárter | 150 | 39.6 | 33 |

| Óleo do motor – tanque de reserva | 205 | 54.2 | 45.1 |

| Transmissão das bombas | 30 | 7.9 | 6.6 |

| Dispositivo de giro (cada lado) | 2 × 100 | 2 × 26 | 2 × 22.0 |

| Redutor final de translação (cada lado) | 2 × 137 | 2 × 36 | 2 × 30.1 |

| Sistema hidráulico | 3170 | 837 | 697.3 |

| Tanque hidráulico | 1320 | 349 | 290 |

****Layout dos equipamentos no convés (numeração):**** 1. Motor diesel; 2. Unidade da transmissão das bombas; 3. Bomba hidráulica × 6; 4. Motor do ventilador do trocador de calor do óleo hidráulico; 5. Trocador de calor do óleo hidráulico; 6. Radiador do motor; 7. Radiador LTA; 8. Resfriador de combustível; 9. Trocador de calor do óleo da transmissão;

10. Anteparo motor-bombas; 11. Válvula de controle × 3; 12. Dispositivo de giro × 2; 13. Junta central; 14. Tanque hidráulico; 15. Tanque de combustível; 16. Conjunto de baterias; 17. Lubrificador; 18. Peneira de alta pressão × 6; 19. Tanque de reserva (óleo do motor); 20. Tanque de reserva (líquido de arrefecimento); 21. Filtro de ar × 2 (externo/interno); 22. Silencioso (muffler); 23. Filtro de combustível (separador de água); 24. Cabine; 25. Escada; 26. Escadas retráteis; 27. Escada.

PÁGINA 6 — ACESSÓRIOS DA PÁ-CARREGADEIRA & ALCANCES DE TRABALHO (15.0 / 16.5 m³)

Lança e braço em seção tipo caixa, totalmente soldados, baixa tensão, aço de alta resistência; mecanismo de *auto-nivelamento do crowd* (auto-leveling crowd mechanism) mantém o ângulo de escavação da caçamba constante; sistema de auto-lubrificação em todos os pinos.

ALCANCES DE TRABALHO — CAÇAMBA (HEAPED) 15.0 m³ (19.6 cu. yd.)

- A. Distância mínima de escavação: 5340 mm (17 ft. 6 in.)
- B. Distância mínima de crowd em nível: 7980 mm (26 ft. 2 in.)
- C. Distância de crowd em nível: 4980 mm (16 ft. 4 in.)
- D. Alcance máx. de escavação: 14 060 mm (46 ft. 1 in.)
- E. Altura máx. de corte: 15 010 mm (49 ft. 3 in.)
- E'. Altura máx. de descarga: 10 350 mm (34 ft.)
- F. Profundidade máx. de escavação: 3720 mm (12 ft. 3 in.)
- G. Raio de trabalho na altura máx. de descarga: 8140 mm (26 ft. 9 in.)
- H. Abertura máx. da caçamba: 2150 mm (7 ft. 1 in.)
- **Força de arrasto do braço (arm crowding):** 918 kN / 93 600 kgf (206,351 lb.)
- **Força de desagregação (breakout):** 943 kN / 96 160 kgf (212,000 lb.)

ALCANCES DE TRABALHO — CAÇAMBA (HEAPED) 16.5 m³ (21.6 cu. yd.)

- A. Distância mínima de escavação: 5200 mm (17 ft. 1 in.)
- B. Distância mín. de crowd em nível: 8240 mm (27 ft.)
- C. Distância de crowd em nível: 4960 mm (16 ft. 3 in.)
- D. Alcance máx. de escavação: 14 300 mm (46 ft. 11 in.)
- E. Altura máx. de corte: 15 250 mm (50 ft.)

- E'. Altura máx. de descarga: 10 350 mm (34 ft.)
- F. Profundidade máx. de escavação: 3960 mm (13 ft.)
- G. Raio de trabalho na altura máx. de descarga: 8140 mm (26 ft. 9 in.)
- H. Abertura máx. da caçamba: 2150 mm (7 ft. 1 in.)
- **Força de arrasto do braço (arm crowding):** 907 kN / 92 500 kgf (203,926 lb.)
- **Força de desagregação (breakout):** 873 kN / 89 000 kgf (196,260 lb.)

CAÇAMBA (SAE HEAPED 2:1) — PÁ-CARREGADEIRA

| Capacidade | Largura | Dentes | Peso | Tipo | Densidade do material |

|---|---|---:|---:|---|---|

| 15.0 m³ (19.6 cu. yd.) | 3590 mm (11 ft. 9 in.) | 6 | 20 300 kg (44,753 lb.) | Bottom-dump, uso geral | 1800 kg/m³ (3,033 lb./cu. yd.) |

| 16.5 m³ (21.6 cu. yd.) | 3590 mm (11 ft. 9 in.) | 6 | 20 700 kg (45,635 lb.) | Bottom-dump, uso geral | 1600 kg/m³ (2,700 lb./cu. yd.) |

Nota: As caçambas representadas não incluem proteção de desgaste (laterais, fundo e interior). Utilize proteção adequada à aplicação.

PÁGINA 7 — RETROESCAVADEIRA: ACESSÓRIO, CAÇAMBA & ALCANCES

Lança e braço: seção em caixa, totalmente soldados e baixa tensão; caçamba: aço de alta resistência totalmente soldado; pinos tipo flutuante na articulação caçamba/braço; placas de encosto substituíveis; auto-lubrificação.

CAÇAMBA — RETROESCAVADEIRA

| Capacidade (SAE heaped) | Largura (sem cortadores laterais) | Dentes | Peso | Tipo |
Densidade do material |

|---|---|---:|---:|---|---|

| 17.0 m³ (22.2 cu. yd.) | 3580 mm (11 ft. 9 in.) | 5 | 15 600 kg (34,392 lb.) | Caçamba uso
geral | ≤ 1800 kg/m³ (3,033 lb./cu. yd.) |

Nota: As caçambas não incluem proteção de desgaste; consulte a rede Hitachi; não utilizar sem proteção adequada.

ALCANCES DE TRABALHO (lança BE 8.7 m, braço BE 3.9 m)

- A. Alcance máx. de escavação: 16 600 mm (54 ft. 6 in.)
- A'. Alcance máx. de escavação (no solo): 16 050 mm (52 ft. 8 in.)
- B. Profundidade máx. de escavação: 8250 mm (27 ft. 1 in.)
- B'. Profundidade máx. de escavação (nível 8'): 8150 mm (26 ft. 9 in.)
- C. Altura máx. de corte: 15 800 mm (51 ft. 10 in.)
- D. Altura máx. de descarga: 10 100 mm (33 ft. 2 in.)
- D'. Altura mín. de descarga: 4250 mm (13 ft. 11 in.)
- E. Raio mín. de giro: 7990 mm (26 ft. 3 in.)
- F. Parede vertical máx.: 4110 mm (13 ft. 6 in.)
- G. Distância mín. de crowd em nível: 4900 mm (16 ft. 1 in.)

- ****Força de escavação da caçamba (bucket digging):**** ISO 830 kN / 84 600 kgf (186,509 lbf); SAE 760 kN / 77 500 kgf (170,857 lbf)

- ****Força de arrasto do braço (arm crowd):**** ISO 785 kN / 80 000 kgf (176,368 lbf); SAE 765 kN / 78 000 kgf (171,959 lbf)

PÁGINA 8 — INFORMAÇÕES DE EMBARQUE (ESTRUTURA SUPERIOR)

Componentes projetados para facilitar transporte e montagem em campo (sem solda na montagem).

- ****Conjunto da cabine:**** Peso 1740 kg (3,836 lb.); Largura 1880 mm (6 ft. 2 in.) — envelope 2830 mm (9 ft. 3 in.) × 2520 mm (8 ft. 3 in.)
- ****Base da cabine:**** Peso 2560 kg (5,644 lb.); Largura 1860 mm (6 ft. 1 in.) — 2820 mm (9 ft. 3 in.) × 2920 mm (9 ft. 7 in.)
- ****Passarela (sidewalk):**** Peso 71 kg (156.5 lb.); Largura 1290 mm (4 ft. 3 in.); 1820 mm (6 ft.) × 660 mm (26 in.)
- ****Passarela:**** Peso 74 kg (163 lb.); Largura 1290 mm (4 ft. 3 in.); 1710 mm (5 ft. 7 in.) × 480 mm (19 in.)
- ****Passarela:**** Peso 77 kg (169.8 lb.); Largura 1290 mm (4 ft. 3 in.); 1820 mm (6 ft.) × 710 mm (28 in.)
- ****Degrau (step):**** Peso 65 kg (143.3 lb.); Largura 1290 mm (4 ft. 3 in.); 900 mm (35 in.) × 1040 mm (3 ft. 5 in.)
- ****Conjunto do chassi superior (mainframe):**** Peso 37 800 kg (83,333 lb.); Largura 3500 mm (11 ft. 6 in.); 8200 mm (26 ft. 11 in.) × 3520 mm (11 ft. 7 in.)
- ****Tanque de combustível:**** Peso 2500 kg (5,511.5 lb.); Largura 1300 mm (4 ft. 3 in.); 2930 mm (9 ft. 7 in.) × 2780 mm (9 ft. 1 in.)
- ****Corrimão (handrail):**** Peso 32 kg (70.5 lb.); Largura 250 mm (10 in.); 2040 mm (6 ft. 8 in.) × 1230 mm (4 ft.)
- ****Corrimão:**** Peso 30 kg (66.13 lb.); Largura 140 mm (6 in.); 1880 mm (6 ft. 2 in.) × 1230 mm (4 ft.)

PÁGINA 9 — INFORMAÇÕES DE EMBARQUE (ESTRUTURA SUPERIOR, CONT.)

- ****Degrau:**** Peso 9 kg (19.8 lb.); Largura 30 mm (1 in.); 560 mm (22 in.) × 660 mm (26 in.)
- ****Degrau:**** Peso 615 kg (1,355.8 lb.); Largura 1070 mm (3 ft. 6 in.); 1080 mm (3 ft. 7 in.) × 880 mm (35 in.) × 1860 mm (6 ft. 1 in.)
- ****Caixa:**** Peso 977 kg (2,153.9 lb.); Largura 870 mm (34 in.)
- ****Escadas retráteis (folding stairs):**** Peso 773 kg (1,704 lb.); Largura 1100 mm (3 ft. 7 in.); 3140 mm (10 ft. 4 in.) × 2430 mm (8 ft.)
- ****Degrau:**** Peso 150 kg (330.7 lb.); Largura 580 mm (23 in.); 1510 mm (4 ft. 11 in.) × 2660 mm (8 ft. 9 in.)
- ****Paralama (fender):**** Peso 191 kg (421 lb.); Largura 790 mm (31 in.); 1500 mm (4 ft. 11 in.) × 2200 mm (7 ft. 3 in.)
- ****Passarela:**** Peso 473 kg (1,043 lb.); Largura 1310 mm (4 ft. 4 in.); 2720 mm (8 ft. 11 in.) × 1700 mm (5 ft. 7 in.) × 350 mm (14 in.) × 1360 mm (4 ft. 6 in.)
- ****Suporte (bracket):**** Peso 20 kg (44.1 lb.); Largura 260 mm (10 in.)
- ****Corrimão:**** Peso 22 kg (48.5 lb.); 1030 mm (3 ft. 5 in.) × 1030 mm (3 ft. 5 in.); 460 mm (18 in.)
- ****Corrimão:**** Peso 23 kg (50.7 lb.); Largura 90 mm (4 in.); 1500 mm (4 ft. 11 in.) × 1030 mm (3 ft. 5 in.)
- ****Corrimão:**** Peso 9 kg (19.8 lb.); Largura 150 mm (6 in.); 310 mm (12 in.) × 1510 mm (4 ft. 11 in.)
- ****Corrimão:**** Peso 10 kg (22 lb.); Largura 150 mm (6 in.); 1510 mm (4 ft. 11 in.) × 440 mm (17 in.)
- ****Corrimão:**** Peso 34 kg (75 lb.); Largura 510 mm (20 in.); 1930 mm (6 ft. 4 in.) × 990 mm (3 ft. 3 in.)
- ****Escada (ladder):**** Peso 20 kg (44.1 lb.); Largura 210 mm (8 in.); 1530 mm (5 ft. 2 in.) × 650 mm (26 in.)
- ****Degrau:**** Peso 37 kg (81.6 lb.); Largura 260 mm (10 in.); 1230 mm (4 ft.) × 1140 mm (3 ft. 9 in.)

- ****Degrau:**** Peso 41 kg (90.4 lb.); Largura 210 mm (8 in.); 940 mm (3 ft. 1 in.) × 600 mm (24 in.)

PÁGINA 10 — INFORMAÇÕES DE EMBARQUE (ESTRUTURA SUPERIOR, CONT.)

- ****Corrimão:**** Peso 14 kg (30.9 lb.); Largura 55 mm (2 in.); 980 mm (3 ft. 3 in.) × 1010 mm (3 ft. 4 in.)
- ****Corrimão:**** Peso 33 kg (72.6 lb.); Largura 55 mm (2 in.); 1010 mm (3 ft. 4 in.) × 2280 mm (7 ft. 6 in.)
- ****Corrimão:**** Peso 33 kg (72.6 lb.); Largura 270 mm (11 in.); 2610 mm (8 ft. 7 in.) × 1010 mm (3 ft. 4 in.)
- ****Corrimão:**** Peso 18 kg (39.7 lb.); Largura 230 mm (9 in.); 1010 mm (3 ft. 4 in.) × 1240 mm (4 ft. 1 in.)
- ****Corrimão:**** Peso 34 kg (75 lb.); Largura 110 mm (4 in.); 2560 mm (8 ft. 5 in.) × 1010 mm (3 ft. 4 in.)
- ****Corrimão:**** Peso 14 kg (30.9 lb.); Largura 230 mm (9 in.); 1010 mm (3 ft. 4 in.) × 840 mm (33 in.)
- ****Degrau:**** Peso 39 kg (86 lb.); Largura 210 mm (8 in.); 740 mm (29 in.) × 670 mm (26 in.)
- ****Degrau:**** Peso 11 kg (24.3 lb.); Largura 55 mm (2 in.); 1010 mm (3 ft. 4 in.) × 660 mm (26 in.)
- ****Passarela:**** Peso 214 kg (471.8 lb.); Largura 1100 mm (3 ft. 7 in.); 1700 mm (5 ft. 7 in.) × 1610 mm (5 ft. 3 in.)
- ****Passarela:**** Peso 123 kg (271.2 lb.); Largura 850 mm (30 in.); 1700 mm (5 ft. 7 in.) × 1280 mm (4 ft. 2 in.) × 560 mm (22 in.) × 780 mm (31 in.)
- ****Carretel de mangueira (hose reel):**** Peso 54 kg (119 lb.); Largura 270 mm (11 in.)
- ****Passarela:**** Peso 333 kg (734 lb.); Largura 1120 mm (3 ft. 8 in.); 1940 mm (6 ft. 4 in.) × 2640 mm (8 ft. 8 in.)
- ****Corrimão:**** Peso 27 kg (59.5 lb.); Largura 230 mm (9 in.); 1010 mm (3 ft. 4 in.) × 2050 mm (6 ft. 9 in.)
- ****Corrimão:**** Peso 27 kg (59.5 lb.); Largura 230 mm (9 in.); 1010 mm (3 ft. 4 in.) × 2050 mm (6 ft. 9 in.)

- **Paralama:** Peso 13 kg (28.7 lb.); Largura 55 mm (2 in.); 700 mm (28 in.) × 1010 mm (3 ft. 4 in.)

- **Degrau:** Peso 13 kg (28.7 lb.); Largura 55 mm (2 in.); 700 mm (28 in.) × 1010 mm (3 ft. 4 in.)

PÁGINA 11 — INFORMAÇÕES DE EMBARQUE (ESTRUTURA SUPERIOR, CONT.)

- ****Unidade do motor:**** Peso 18 100 kg (39,903 lb.); Largura 2500 mm (8 ft. 2 in.); 3330 mm (10 ft. 11 in.) × 6130 mm (20 ft. 1 in.)
- ****Conjunto do filtro de ar:**** Peso 310 kg (683.4 lb.); Largura 1260 mm (4 ft. 2 in.); 1940 mm (6 ft. 4 in.) × 1860 mm (6 ft. 1 in.)
- ****Silencioso (muffler):**** Peso 570 kg (1,256.6 lb.); Largura 1350 mm (4 ft. 5 in.); 939 mm (3 ft. 1 in.) × 1260 mm (4 ft. 2 in.)
- ****Tanque de reserva (reserve tank):**** Peso 150 kg (330.7 lb.); Largura 508 mm (20 in.); 1600 mm (5 ft. 3 in.) × 590 mm (23 in.)
- ****Porta:**** Peso 26 kg (57.3 lb.); Largura 50 mm (2 in.)
- ****Porta:**** Peso 26 kg (57.3 lb.); Largura 50 mm (2 in.); 1600 mm (5 ft. 3 in.) × 600 mm (24 in.); Largura 1110 mm (3 ft. 8 in.)
- ****Contrapeso:**** Peso 30 000 kg (66,140 lb.); 6100 mm (20 ft.)
- ****Degrau:**** Peso 12 kg (26.5 lb.); Largura 110 mm (4 in.); 680 mm (33 in.) × 1010 mm (3 ft. 4 in.)
- ****Degrau:**** Peso 5 kg (11 lb.); Largura 210 mm (8 in.); 830 mm (33 in.) × 280 mm (11 in.)
- ****Degrau:**** Peso 140 kg (308.6 lb.); Largura 564 mm (22 in.); 1310 mm (4 ft. 4 in.) × 2850 mm (9 ft. 4 in.)
- ****Paralama:**** Peso 72 kg (158.7 lb.); Largura 580 mm (23 in.); 1030 mm (3 ft. 5 in.) × 1370 mm (4 ft. 6 in.)
- ****Paralama:**** Peso 86 kg (189.6 lb.); Largura 580 mm (23 in.); 1400 mm (4 ft. 7 in.) × 1030 mm (3 ft. 5 in.)

PÁGINA 12 — INFORMAÇÕES DE EMBARQUE (MATERIAL RODANTE)

- ****Conjunto do quadro central das esteiras:**** Peso 21 800 kg (48,060 lb.); Largura 3300 mm (10 ft. 10 in.)
- ****Conjunto da longarina das esteiras:**** Peso 31 400 kg (69,224 lb.) × 2; Largura 2230 mm (7 ft. 4 in.) com dispositivo de translação; 2030 mm (6 ft. 8 in.)
- ****Suporte da tampa do motor (motor cover stay):**** Peso 78 kg (172 lb.); Largura 109 mm (4 in.)
- ****Tampa (cover):**** Peso 96 kg (211.6 lb.); Largura 479 mm (19 in.); 1970 mm (6 ft. 6 in.) × 1010 mm (3 ft. 4 in.)
- ****Tampa:**** Peso 108 kg (238 lb.); Largura 560 mm (22 in.); 1970 mm (6 ft. 6 in.) × 1250 mm (4 ft. 1 in.)
- ****Tampa:**** Peso 87 kg (191.8 lb.); Largura 560 mm (22 in.); 1970 mm (6 ft. 6 in.) × 1010 mm (3 ft. 4 in.)
- ****Escada (ladder):**** Peso 13 kg (28.7 lb.); Largura 603 mm (24 in.); 490 mm (19 in.) × 1170 mm (3 ft. 10 in.)
- ****Degrau:**** Peso 8 kg (17.6 lb.); Largura 200 mm (8 in.) × 250 mm (10 in.); 410 mm (16 in.)

PÁGINA 13 — ACESSÓRIOS DA PÁ-CARREGADEIRA (COMPONENTES)

****Conjunto da caçamba — capacidades & envelope:****

| Capacidade da caçamba | A | B | Largura máx. | Peso |

|---|---|---|---|---|

| 15.0 m³ (19.6 cu. yd.) | 3440 mm (11 ft. 3 in.) | 3240 mm (10 ft. 8 in.) | 3860 mm (12 ft. 8 in.) | 20 300 kg (44,753 lb.) |

| 16.5 m³ (21.6 cu. yd.) | 3500 mm (11 ft. 6 in.) | 3320 mm (10 ft. 11 in.) | 3860 mm (12 ft. 8 in.) | 20 700 kg (45,635 lb.) |

****Cilindros & conjuntos:****

- Cilindro da caçamba: 1870 kg (4,122.6 lb.) × 2; Largura 760 mm (30 in.); 520 mm (21 in.); 4380 mm (14 ft. 4 in.)

- Cilindro da lança: 2960 kg (6,393.3 lb.) × 2; Largura 490 mm (19 in.); 630 mm (25 in.); 4890 mm (16 ft. 1 in.)

- Conjunto lança-braço: Peso 29 000 kg (63,933 lb.); Largura 2600 mm (8 ft. 6 in.); 3700 mm (12 ft. 2 in.) × 11 000 mm (36 ft. 1 in.)

- Cilindro do braço: 2240 kg (4,938.3 lb.); Largura 700 mm (28 in.); 580 mm (23 in.); 3900 mm (12 ft. 10 in.)

PÁGINA 14 — ACESSÓRIOS DA RETROESCAVADEIRA (COMPONENTES)

- ****Conjunto da caçamba:**** Capacidade (SAE heaped) 17.0 m³ (22.2 cu. yd.); Peso 15 600 kg (34,392 lb.); Largura 3600 mm (11 ft. 10 in.); 2870 mm (9 ft. 5 in.); 3760 mm (12 ft. 4 in.)

- ****Conjunto da lança BE:**** Peso 24 500 kg (54,012 lb.); Largura 2240 mm (7 ft. 4 in.); 3620 mm (11 ft. 11 in.); 9280 mm (30 ft. 5 in.)

- ****Conjunto do braço BE:**** Peso 16 100 kg (35,494 lb.); Largura 1640 mm (5 ft. 5 in.); 2510 mm (8 ft. 3 in.); 5310 mm (17 ft. 5 in.)

- ****Cilindro da lança:**** 3120 kg (6,878 lb.) × 2; Largura 490 mm (19 in.); 670 mm (26 in.); 4750 mm (15 ft. 7 in.)

As ilustrações/fotos podem exibir modelos padrão e incluir equipamentos opcionais; leia o Manual do Operador antes do uso.

PÁGINA 15 — CAPACIDADES DE ELEVAÇÃO (RETROESCAVADEIRA)

Observações:

- * indica limite de capacidade hidráulica.
- Classificações com base na SAE J1097.
- A capacidade de elevação não excede 75% da carga de tombamento em solo firme e nivelado, ou 87% da capacidade hidráulica total.
- O ponto de carga é um gancho (não fornecido) na traseira da caçamba.
- **Unidade:** 1000 kg (1,000 lb.)

Condições:

- Lança BE 8.7 m (28 ft. 7 in.) | Braço BE 3.9 m (12 ft. 10 in.) | Caçamba SAE 17.0 m³ (22.2 cu. yd.) | Sapatas 1000 mm (39 in.)

Raio de carga @ altura do ponto de carga (linhas selecionadas — ver gráfico original para a matriz completa):

| Altura do ponto de carga | 6 m (19 ft. 6 in.) | 8 m (26 ft. 3 in.) | 10 m (32 ft. 10 in.) | 12 m (39 ft. 4 in.) | 14 m (45 ft. 11 in.) | No alcance máximo |

|---|---|---|---|---|---|

| 10 m (32 ft. 10 in.) | *23.2 / *23.2 | *10.3 / *10.3 | | | 15.4 m (50 ft. 6 in.) |

| 8 m (26 ft. 3 in.) | *27.9 / *27.9 | *18.5 / *18.5 | *10.1 / *10.1 | | 15.9 m (52 ft. 2 in.) |

| 6 m (19 ft. 8 in.) | *33.6 / *33.6 | *32.5 / *32.5 | *26.7 / *26.7 | *10.3 / *10.3 | | 16.1 m (52 ft. 10 in.) |

| 4 m (13 ft. 1 in.) | *51.1 / *51.1 | 38.4 / *39.5 | *31.7 / 27.8 | *11.1 / *11.1 | | 15.9 m (52 ft. 2 in.) |

| 2 m (6 ft. 7 in.) | 50.1 / *51.1 | 36.1 / *41.3 | *32.6 / 26.4 | *12.3 / *12.3 | | 15.4 m (50 ft. 6 in.) |

0 (Solo)	48.1 / *49.3	34.5 / *40.9	*31.1 / 25.5	*14.5 / *14.5	14.5 m (47 ft. 7 in.)
-2 m (-6 ft. 7 in.)	*33.2 / *33.2	47.6 / *48.8	33.9 / *37.2	*20.3 / *20.3	
-4 m (-13 ft. 1 in.)	*44.4 / *44.4	*39.3 / *39.3	*38.8 / *38.8	*27.7 / *27.7	

> Tabela mostra (classificação sobre a lateral ou 360°) / (classificação sobre a frente);
 asterisco (*) indica limite hidráulico. Consulte a matriz completa no gráfico original.

PÁGINA 16 — CONTRACAPA

****NOSSO NOME FICA BEM EM LARANJA.****

É a nossa cor. É a nossa marca. Novas iniciativas de suporte ao produto e nossa rede de distribuidores fortalecida são mais uma prova de que seguimos comprometidos com este setor. Somos dedicados a construir os melhores equipamentos do mundo — e mantê-los pintados de Laranja Hitachi.

www.hitachimining.com — Especificações e projeto sujeitos a alterações sem aviso.

Código: DKEX2600HT — Impresso nos EUA (11-10)



EX2600-6 SPECIFICATIONS

BACKHOE BUCKET CAPACITY:
(SAE HEAPED): 17.0 M³ (22.2 CU. YD.)

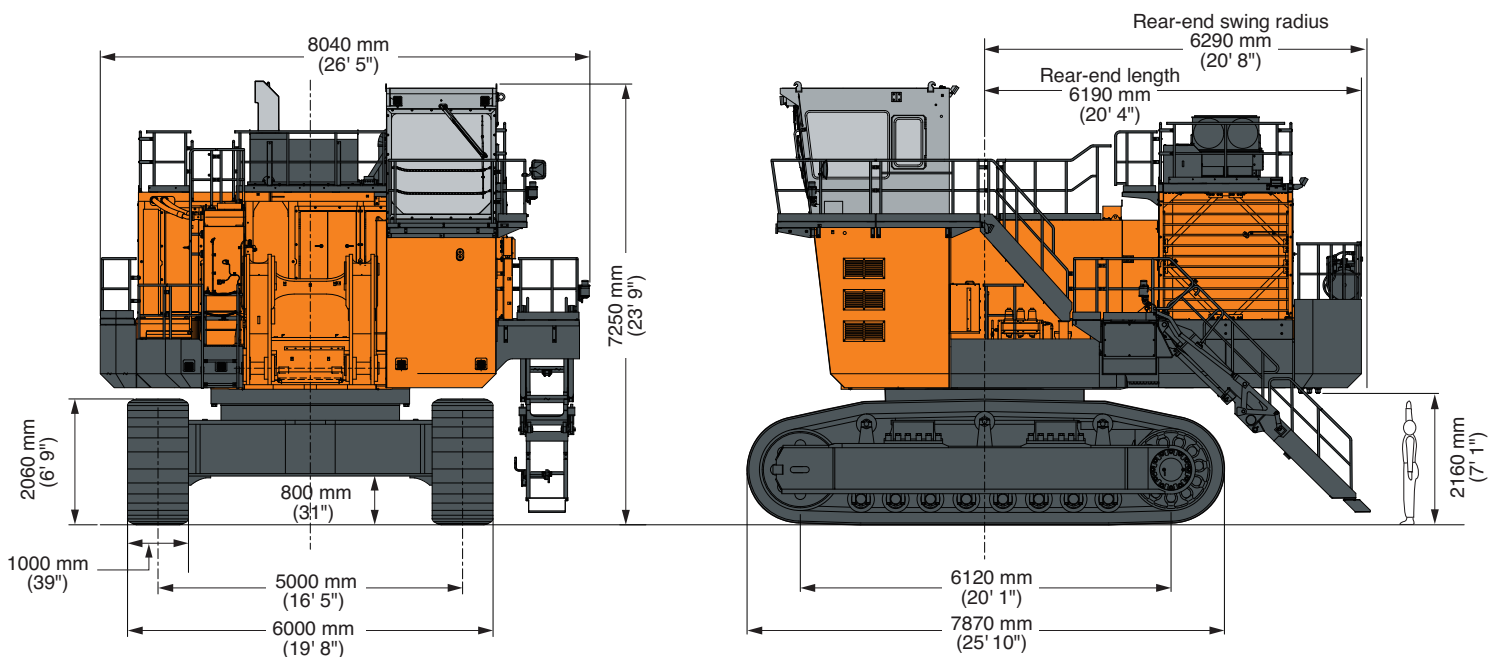
SHOVEL BUCKET CAPACITY (HEAPED):
15.0–16.5 M³ (19.6–21.6 CU. YD.)

OPERATING WEIGHT:
BACKHOE: 254 000 KG (560,000 LB.)
LOADING SHOVEL: 252 000 KG (556,000 LB.)

RATED POWER:
1119 KW (1,500 HP)

HITACHI

EX2600-6 DIMENSIONS



STANDARD EQUIPMENT

Engine

140-amp alternator
Heavy-duty-type air cleaner with dust ejector
Cartridge-type engine oil filter
Cartridge-type engine oil bypass filter
Cartridge-type fuel filter
Water filter
Radiator reserve tank
Fan guard
Isolation-mounted engine
Pre-lubrication system
Auto-idle system
Emergency engine stop system

Hydraulic System

Engine-Pump control system (EP)
Optimum Hydraulic System (OHS)
Fuel-Saving Pump System (FPS)
Hydraulic drive cooling-fan system
Forced-lubrication and forced-cooling pump-drive system
Control valve with main relief valve
Suction filter
Full-flow filter
Bypass filter
Pilot filter
Drain filter

Cab

OPG top guard level II (ISO)
Fluid-filled elastic mounts
Laminated glass windshield
Reinforced/tinted (bronze color) glass side and rear windows
Parallel-link-type intermittent windshield wiper
Windshield washer
Adjustable reclining seat with air suspension
Footrest
Air horn with electric compressor
Auto-tuning AM-FM radio with digital clock

Seat belt

Hot and cool box
Storage spaces
Floor mat
Air conditioner with defroster
Rearview mirror
Evacuation hammer
Emergency-escape device
Trainer's seat
Pilot control shutoff lever

Monitor Systems

Meters:

Hour meter
Fuel gauge
Hydraulic oil temperature gauge
Engine coolant temperature gauge
Tachometer
Engine oil pressure gauge
Engine oil temperature gauge
Battery voltage gauge
Ambient temperature

Pilot lamps (green):

Pre-lubrication system
Auto-idle
Travel mode

Warning lamps (red):

Alternator
Engine stop
Coolant overheat
Hydraulic oil level
Auto-lubrication system
Fast-filling
Tension
Electric lever
Emergency engine stop
Top valve
Engine overrun
Coolant level
Engine oil pressure
Pump transmission oil level indicator

Warning lamp (yellow):

Exhaust temperature
Fuel temperature
Engine warning
Hydraulic oil overheat
Stairway position
Electrical equipment box
Pump contamination
Air cleaner restriction

Alarm buzzers:

Overheat
Engine coolant pressure
Engine coolant level
Fuel temperature
Engine oil pressure
Engine oil temperature
Air intake manifold temperature
Crankcase pressure
Pump transmission oil level
Hydraulic oil level
Stop valve close
Fast-filling system panel position
Stairway position
Electric lever fault

Data Logging System

Data-Logging Unit (DLU) continuously records the performance of the engine and the hydraulic system; data can be downloaded by PC
Satellite data-transmitting system

Lights

9 high-brightness working lights
2 entrance lights
3 maintenance lights

Upperstructure

Lockable machine covers
30 000-kg (66,137.6 lb.) counterweight
Hydraulic-drive grease gun with hose reel
Folding stairs with wide steps
Swing parking brake
Engine oil reserve system

Undercarriage

Travel parking brake
Travel motion alarm device
Hydraulic track adjuster with N2 gas accumulator and relief valve
1000-mm (39 in.) triple-grouser shoes

Miscellaneous

Standard tool kit
Stairs and handrails (ISO)
Recirculation air filter for air conditioner
Ventilation air filter for air conditioner
12-volt power terminal board
Stop valve for transport and reassembly
Lincoln auto-lubrication system for front-attachment pins, swing bearing, and center joint
4 color monitor cameras (2 front and 2 rear)
Engine oil reserve system

Fast-Filling System

Wiggins fast-filling system for fuel, hydraulic oil, coolant, swing-device oil, pump transmission oil, engine oil, and grease

OPTIONAL EQUIPMENT

Cold-weather package
Travel motor guard
Travel device guard

EX2600-6 SPECIFICATIONS

ENGINE	
Make	Cummins
Model	QSKTA50C
Type	Water-cooled, 4-cycle, 16-cylinder
Aspiration	Turbocharged and aftercooled, direct-injection chamber-type diesel engine
Gross power @ 1800 min ⁻¹ (rpm) (SAE J1995)	1119 kW (1,500 hp)
Net power @ 1800 min ⁻¹ (rpm)	1069 kW (1,434 hp)
Maximum torque @ 1400 min ⁻¹ (rpm)	6570 N•m / 670 kgf•m (4,846 lb•ft.)
Piston displacement	50.0 L (3051 cu. in.)
Bore and stroke	159 mm X 159 mm (6.3 in. X 6.3 in.)
Starting system	24-volt electric motor
Batteries	4 X 12 V , 4 X 220 AH
Cold starting	Ether aided

HYDRAULIC SYSTEM
Hitachi's Electronic Total Control System (ETS) achieves maximum job efficiency by reducing fuel consumption and noise levels, and maximizes productivity through the optimization of engine-pump functions with excellent controllability, increasing operator comfort.

Engine-Pump (E-P) Control

Main pumps regulated by electric engine speed-sensing control system.

Optimum Hydraulic System (OHS)

6 main pumps and 3-valve system enable both independent and combined operations of all functions.

Fuel-Saving Pump System (FPS)

Minimizes energy loss with superior performance and fine control.

Additional Features

Auto-idle system saves fuel and reduces noise. Hydraulic-drive cooling-fan system for oil cooler. Forced-lubrication and forced-cooling pump-drive system.

Main/Swing Pumps

6 variable-displacement, axial-piston pumps for front attachment, travel, and swing.

Maximum oil flow	4 X 375 L/min / 2 X 425 L/min (4 X 99.06 U.S. gal./min. / 2 X 112.3 U.S. gal./min.)
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Pilot Pump

One gear pump

Maximum oil flow	108 L/min (28.5 U.S. gal./min.)
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Relief Valve Settings

Implement circuit	29.4 MPa / 300 kgf/cm ² (4,263 psi)
Swing circuit	27.4 MPa / 280 kgf/cm ² (3,973 psi)
Travel circuit	29.4 MPa / 300 kgf/cm ² (4,263 psi)
Pilot circuit	3.9 MPa / 40 kgf/cm ² (565.5 psi)

Hydraulic Cylinders

High-strength piston rods and tubes adopted for durability. Cylinder-cushion mechanisms provided for boom, arm, bucket, and dump cylinders. Loading shovel bucket cylinders provided with protector.

Cylinder Dimensions (Backhoe)				Cylinder Dimensions (Loading Shovel)			
	Quantity	Bore	Rod Diameter		Quantity	Bore	Rod Diameter
Boom	2	310 mm (12 in.)	230 mm (9 in.)	Boom	2	310 mm (12 in.)	230 mm (9 in.)
Arm	1	280 mm (11 in.)	200 mm (7.9 in.)	Arm	1	280 mm (11 in.)	210 mm (8 in.)
Bucket	1	230 mm (9 in.)	170 mm (7 in.)	Bucket	2	250 mm (10 in.)	180 mm (7 in.)
				Dump	2	215 mm (8.5 in.)	130 mm (5 in.)
				Level	1	310 mm (12 in.)	230 mm (9 in.)

Hydraulic Filters

All hydraulic circuits have high-quality hydraulic filters for longer life of hydraulic components and protection against oil contamination. Filters are centrally arranged for facilitated maintenance.

	Quantity	Specifications
Full-flow filter	3	10 μm
High-pressure strainer (in main and swing-pump delivery line)	6	80 mesh
Drain filter (for all plunger-type pumps and motors)	1	10 μm
Bypass filter (in oil cooler bypass line)	1	5 μm
Pilot filter	1	10 μm



EX2600-6 SPECIFICATIONS

CONTROLS

Two Implement Levers

Electric joystick-control levers: right lever for boom and bucket control; left lever for swing and arm control.
For loading shovel, two pedals open and close bottom-dump bucket.

Two Travel Levers with Pedals

Remote-controlled hydraulic servo system. Independent drive at each track allows counter rotation of tracks.

UPPERSTRUCTURE

Revolving Frame

Deep, fully reinforced box section. Heavy-gauge steel plates for ruggedness.

Deck Machinery

Maintenance accessibility is the major feature in the layout of deck machinery. Sidewalks provide easy access to engine, hydraulic, and electrical components. ISO-compliant stairs and handrails. Sidewalks and stairs include skid-resistant plates.

SWING MECHANISM

2 high-torque, axial-piston motors with 2-stage planetary gear bathed in oil. Swing circle with dirt seals features heavy-duty, triple-row, cylindrical roller bearing. Induction-hardened internal swing circle gear and pinion immersed in lubricant. Spring-set/hydraulic-released disc-type parking brake is manually releasable.

Swing speed	3.8 min ⁻¹ (rpm)
-------------	-----------------------------

OPERATOR'S CAB

Sturdy cab with OPG top guard level II (ISO) helps protect operator from falling objects. Independent, pressurized, 1800 mm (5 ft. 11 in.) wide, 2150 mm (7 ft. 1 in.) high, roomy 7.5 m³ (264.8 cu. ft.) cab with tinted-glass windows features all-round visibility. Air-suspension-type, fully adjustable reclining seat with armrests movable with or without front and swing control levers by slide. Instruments and control panel are within easy reach of operator. Three air-conditioner systems.

Noise level	72 dB(A) in the cab at maximum engine speed under no-load condition
Eye-level height	6290 mm (20 ft. 8 in.)

UNDERCARRIAGE

Tracks

Shovel-type undercarriage. Dual-flanged-type bolt linkage for side frame and X-form center frame ensures durability. Heavy-duty track frame of all-welded, stress-relieved structure. Top-grade materials for toughness. Lifetime-lubricated induction-hardened track rollers, idlers, and drive tumblers with floating seals. Opposed double-type upper rollers for easy removal of mud. Track shoes of induction-hardened cast steel with triple grousers. Specially heat-treated connection pins. Hydraulic track adjuster includes N2 gas accumulator with relief valve. Track adjuster protects against abnormal tension. Travel motion alarm device.

Shovel-Type Undercarriage

Triple grouser track shoes of induction-hardened cast steel.

Shoe width	1000 mm (39 in.)
------------	------------------

Numbers of Rollers and Shoes (each side)

Upper rollers	3
Lower rollers	8
Track shoes	39

Travel Device

Each track driven by high-torque, axial-piston motors, allowing counter rotation of tracks. 2-stage planetary gear plus spur-gear-reduction device. Dual-support-type traction device. Spring-set/hydraulic-released disc-type parking brake is manually releasable.

Travel speeds	High: 0–2.3 km/h (0–1.43 mph) Low: 0–1.6 km/h (0–.99 mph)
Maximum traction force	1330 kN / 135 600 kgf (298,944 lbf)
Gradeability	58% (30-deg.) maximum

WEIGHTS AND GROUND PRESSURE

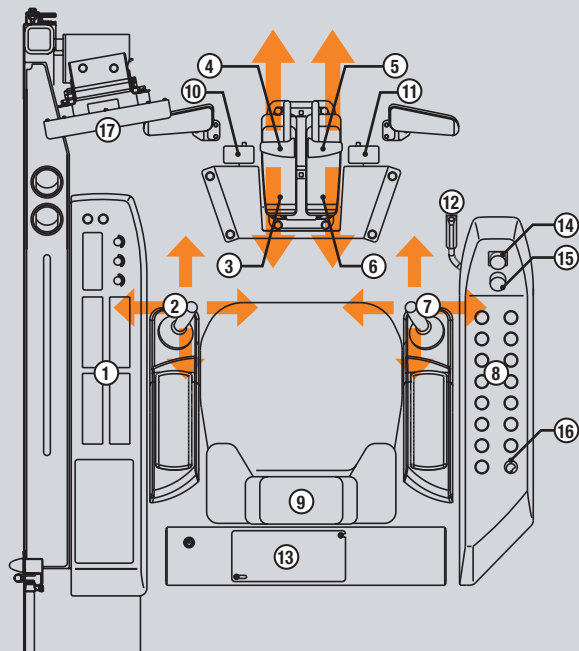
Loading Shovel: Equipped with 15.0-m³ (19.6 cu. yd.) (SAE heaped) bottom-dump bucket.

Shoe Type	Shoe Width	Operating Weight	Ground Pressure
Triple Grousers	1000 mm (39 in.)	252 000 kg (556,000 lb.)	183 kPa / 1.87 kgf/cm ² (26.5 psi)

Backhoe: Equipped with 8.7-m (28 ft. 7 in.) boom, 3.9-m (12 ft. 10 in.) arm, and 17.0-m³ (22.2 cu. yd.) (SAE heaped) bucket.

Shoe Type	Shoe Width	Operating Weight	Ground Pressure
Triple Grousers	1000 mm (39 in.)	254 000 kg (560,000 lb.)	185 kPa / 1.89 kgf/cm ² (26.8 psi)

BACKHOE CONTROL LAYOUT

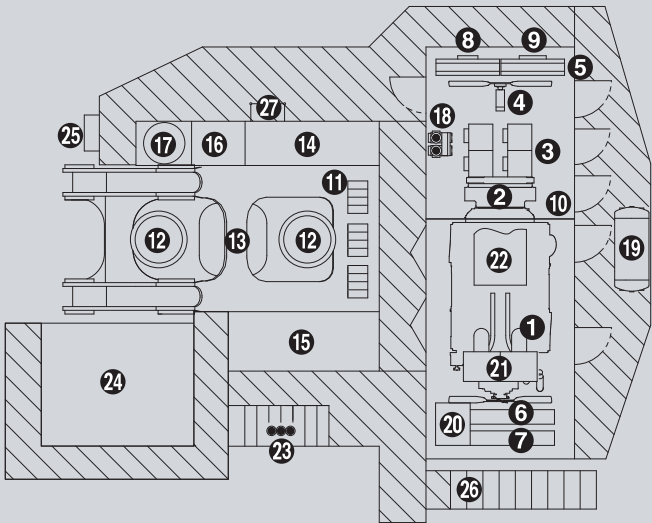


- 1. Left Console
- 2. Left Control Lever/Horn Switch
- 3. Left Travel Pedal
- 4. Left Travel Lever
- 5. Right Travel Lever
- 6. Right Travel Pedal
- 7. Right Control Lever/Horn Switch
- 8. Right Console
- 9. Operator's Seat
- 10. Bucket-Close Pedal (for loading shovel)
- 11. Bucket-Open Pedal (for loading shovel)
- 12. Pilot Control Shutoff Lever
- 13. Rear Console
- 14. Emergency Engine-Stop Switch
- 15. Engine Speed-Control Dial
- 16. Key Switch
- 17. Monitor Display

SERVICE REFILL CAPACITIES

	Liters	U.S. Gallons	Imperial Gallons
Fuel Tank	5300	1,400	1165
Engine Coolant	476	126	104.7
Engine Oil – Oil Pan	150	39.6	33
Engine Oil – Reserve Tank	205	54.2	45.1
Pump Drive	30	7.9	6.6
Swing Device (each side)	2 X 100	2 X 26	2 X 22.0
Travel Final Device (each side)	2 X 137	2 X 36	2 X 30.1
Hydraulic System	3170	837	697.3
Hydraulic Tank	1320	349	290

DECK MACHINERY LAYOUT

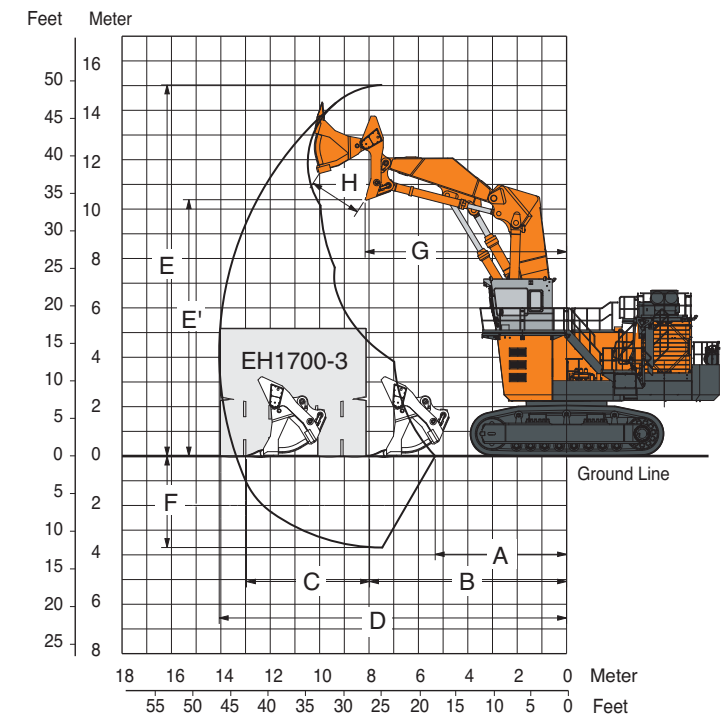


- 1. Diesel Engine
- 2. Pump-Drive Unit
- 3. Hydraulic Pump X 6
- 4. Hydraulic Oil Cooling-Fan Motor
- 5. Hydraulic Oil Cooler
- 6. Engine Radiator
- 7. LTA Radiator
- 8. Fuel Cooler
- 9. Transmission Pump Oil Cooler
- 10. Engine-Pump Bulkhead
- 11. Control Valve X 3
- 12. Swing Device X 2
- 13. Center Joint
- 14. Hydraulic Tank
- 15. Fuel Tank
- 16. Battery Unit
- 17. Lubricator
- 18. High-Pressure Strainer X 6
- 19. Reserve Tank (engine oil)
- 20. Reserve Tank (coolant)
- 21. Air Filter X 2 (outer/inner)
- 22. Muffler
- 23. Fuel Filter (water separator)
- 24. Cab
- 25. Ladder
- 26. Folding Stairs
- 27. Ladder

EX2600-6 SPECIFICATIONS

LOADING SHOVEL ATTACHMENTS

Boom and arm are of all-welded, low-stress, high-tensile-strength steel full-box section design. Efficient, automatic level crowing achieved by one-lever control as parallel-link mechanism keeps bucket digging angle constant, and level-cylinder circuit maintains bucket height (auto-leveling crowd mechanism). Auto-lubrication system for all pins is standard.



WORKING RANGES — BUCKET CAPACITY (HEAPED): 15.0 m³ (19.6 cu. yd.)

A. Minimum digging distance	5340 mm (17 ft. 6 in.)
B. Min. level crowding distance	7980 mm (26 ft. 2 in.)
C. Level crowding distance	4980 mm (16 ft. 4 in.)
D. Maximum digging reach	14 060 mm (46 ft. 1 in.)
E. Maximum cutting height	15 010 mm (49 ft. 3 in.)
E'. Maximum dumping height	10 350 mm (34 ft.)
F. Maximum digging depth	3720 mm (12 ft. 3 in.)
G. Working radius at max. dumping height	8140 mm (26 ft. 9 in.)
H. Maximum bucket opening width	2150 mm (7 ft. 1 in.)
Arm crowding force	918 kN / 93 600 kgf (206,351 lb.)
Breakout force	943 kN / 96 160 kgf (212,000 lb.)

WORKING RANGES — BUCKET CAPACITY (HEAPED): 16.5 m³ (21.6 cu. yd.)

A. Minimum digging distance	5200 mm (17 ft. 1 in.)
B. Minimum level crowding distance	8240 mm (27 ft.)
C. Level crowding distance	4960 mm (16 ft. 3 in.)
D. Maximum digging reach	14 300 mm (46 ft. 11 in.)
E. Maximum cutting height	15 250 mm (50 ft.)
E'. Maximum dumping height	10 350 mm (34 ft.)
F. Maximum digging depth	3960 mm (13 ft.)
G. Working radius at max. dumping height	8140 mm (26 ft. 9 in.)
H. Maximum bucket opening width	2150 mm (7 ft. 1 in.)
Arm crowding force	907 kN / 92 500 kgf (203,926 lb.)
Breakout force	873 kN / 89 000 kgf (196,260 lb.)

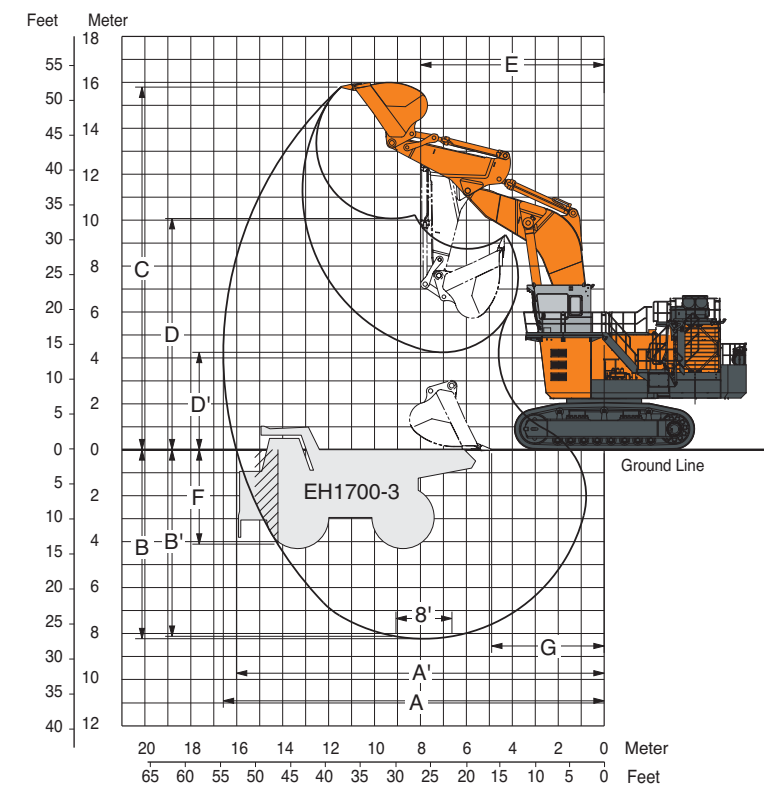
BUCKET (SAE HEAPED 2:1)					
Capacity	Width	Number of Teeth	Weight	Type	Material Density
15.0 m³ (19.6 cu. yd.)	3590 mm (11 ft. 9 in.)	6	20 300 kg (44,753 lb.)	Bottom-dump type, general purpose	1800 kg/m³ (3,033 lb./cu. yd.)
16.5 m³ (21.6 cu. yd.)	3590 mm (11 ft. 9 in.)	6	20 700 kg (45,635 lb.)	Bottom-dump type, general purpose	1600 kg/m³ (2,700 lb./cu. yd.)

Note: These buckets do not include any type of wear protection for sides, bottom, and inside the bucket. Please consult your local Hitachi dealer for a proper wear-protection system for your application.
Please do not use buckets without proper wear protection for your application.

EX2600-6 SPECIFICATIONS

BACKHOE ATTACHMENT

Boom and arm are all-welded, low-stress, full-box section design. Bucket of all-welded high-strength steel structure. Bucket/arm joint pins are floating type. Replaceable thrust plates are provided with bucket/arm point part. Auto-lubrication system for all pins is standard.



WORKING RANGES			
BE-boom length		8.7 m (28 ft. 7 in.)	
BE-arm length		3.9 m (12 ft. 10 in.)	
A. Maximum digging reach		16 600 mm (54 ft. 6 in.)	
A'. Maximum digging reach (on ground)		16 050 mm (52 ft. 8 in.)	
B. Maximum digging depth		8250 mm (27 ft. 1 in.)	
B'. Maximum digging depth (8' level)		8150 mm (26 ft. 9 in.)	
C. Maximum cutting height		15 800 mm (51 ft. 10 in.)	
D. Maximum dumping height		10 100 mm (33 ft. 2 in.)	
D'. Minimum dumping height		4250 mm (13 ft. 11 in.)	
E. Minimum swing radius		7990 mm (26 ft. 3 in.)	
F. Maximum vertical wall		4110 mm (13 ft. 6 in.)	
G. Minimum level crowding distance		4900 mm (16 ft. 1 in.)	
Bucket digging force	ISO	830 kN / 84 600 kgf (186,509 lbf)	
	SAE	760 kN / 77 500 kgf (170,857 lbf)	
Arm crowd force	ISO	785 kN / 80 000 kgf (176,368 lbf)	
	SAE	765 kN / 78 000 kgf (171,959 lbf)	

BUCKET					
Capacity	Width	Number of Teeth	Weight	Type	Material Density
(SAE Heaped)	Without Side Cutters				
17.0 m³ (22.2 cu. yd.)	3580 mm (11 ft. 9 in.)	5	15 600 kg (34,392 lb.)	General-purpose bucket	1800 kg/m³ (3,033 lb./cu. yd.) or less

Note: These buckets do not include any type of wear protection for sides, bottom, and inside the bucket. Please consult your local Hitachi dealer for a proper wear-protection system for your application. Please do not use buckets without proper wear protection for your application.

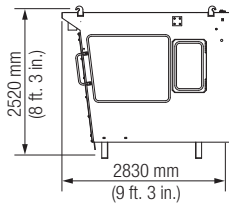
EX2600-6 SHIPPING INFORMATION

EX2600-6 components are designed for ease of transportation and on-site assembly.
Components can be assembled without welding.

UPPERSTRUCTURE

Cab assembly

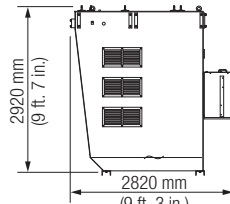
Weight: 1740 kg (3,836 lb.)



Width: 1880 mm (6 ft. 2 in.)

Cab bed

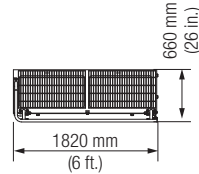
Weight: 2560 kg (5,644 lb.)



Width: 1860 mm (6 ft. 1 in.)

Sidewalk

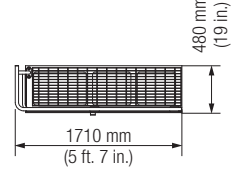
Weight: 71 kg (156.5 lb.)



Width: 1290 mm (4 ft. 3 in.)

Sidewalk

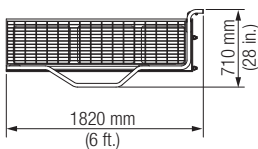
Weight: 74 kg (163 lb.)



Width: 1290 mm (4 ft. 3 in.)

Sidewalk

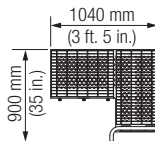
Weight: 77 kg (169.8 lb.)



Width: 1290 mm (4 ft. 3 in.)

Step

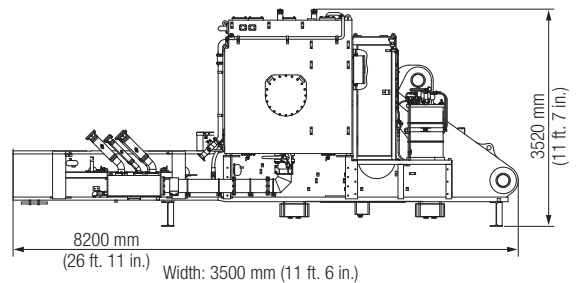
Weight: 65 kg (143.3 lb.)



Width: 1290 mm (4 ft. 3 in.)

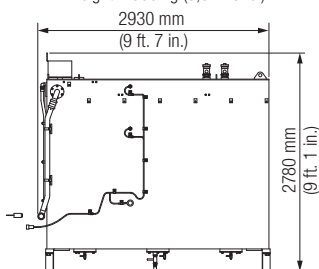
Mainframe assembly

Weight: 37 800 kg (83,333 lb.)



Fuel tank

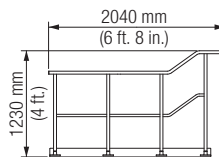
Weight: 2500 kg (5,511.5 lb.)



Width: 1300 mm (4 ft. 3 in.)

Handrail

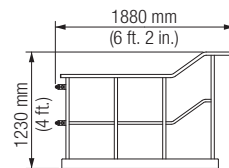
Weight: 32 kg (70.5 lb.)



Width: 250 mm (10 in.)

Handrail

Weight: 30 kg (66.13 lb.)

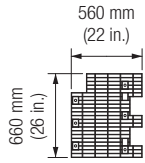


Width: 140 mm (6 in.)

UPPERSTRUCTURE

Step

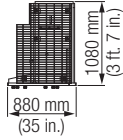
Weight: 9 kg (19.8 lb.)



Width: 30 mm (1 in.)

Step

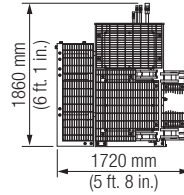
Weight: 615 kg (1,355.8 lb.)



Width: 1070 mm (3 ft. 6 in.)

Box

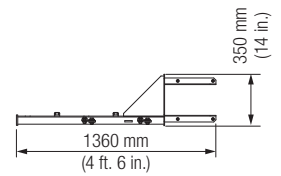
Weight: 977 kg (2,153.9 lb.)



Width: 870 mm (34 in.)

Bracket

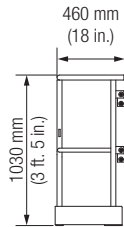
Weight: 20 kg (44.1 lb.)



Width: 260 mm (10 in.)

Handrail

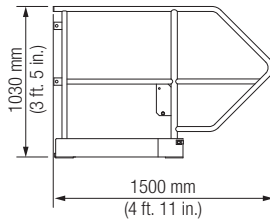
Weight: 22 kg (48.5 lb.)



Width: 1030 mm (3 ft. 5 in.)

Handrail

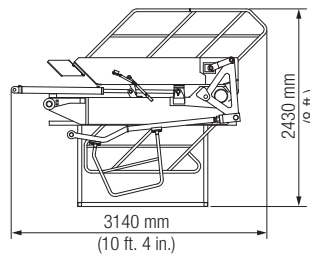
Weight: 23 kg (50.7 lb.)



Width: 90 mm (4 in.)

Folding stairs

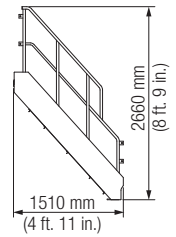
Weight: 773 kg (1,704 lb.)



Width: 1100 mm (3 ft. 7 in.)

Step

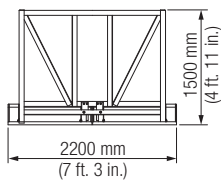
Weight: 150 kg (330.7 lb.)



Width: 580 mm (23 in.)

Fender

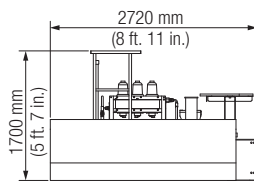
Weight: 191 kg (421 lb.)



Width: 790 mm (31 in.)

Sidewalk

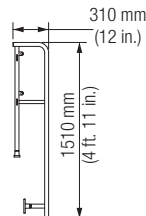
Weight: 473 kg (1,043 lb.)



Width: 1310 mm (4 ft. 4 in.)

Handrail

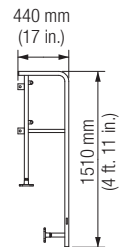
Weight: 9 kg (19.8 lb.)



Width: 150 mm (6 in.)

Handrail

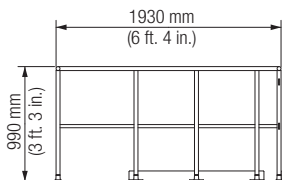
Weight: 10 kg (22 lb.)



Width: 150 mm (6 in.)

Handrail

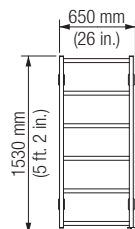
Weight: 34 kg (75 lb.)



Width: 510 mm (20 in.)

Ladder

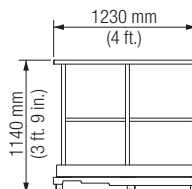
Weight: 20 kg (44.1 lb.)



Width: 210 mm (8 in.)

Step

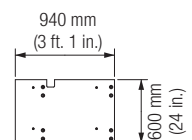
Weight: 37 kg (81.6 lb.)



Width: 260 mm (10 in.)

Step

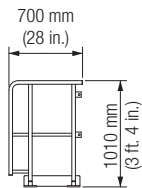
Weight: 41 kg (90.4 lb.)



Width: 210 mm (8 in.)

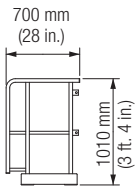
UPPERSTRUCTURE

Step
Weight: 13 kg (28.7 lb.)



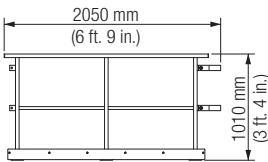
Width: 55 mm (2 in.)

Fender
Weight: 13 kg (28.7 lb.)



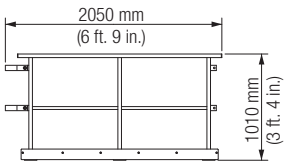
Width: 55 mm (2 in.)

Handrail
Weight: 27 kg (59.5 lb.)



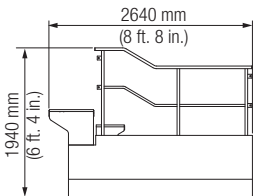
Width: 230 mm (9 in.)

Handrail
Weight: 27 kg (59.5 lb.)



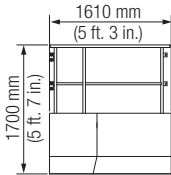
Width: 230 mm (9 in.)

Sidewalk
Weight: 333 kg (734 lb.)



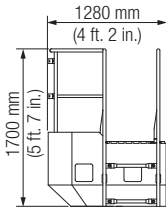
Width: 1120 mm (3 ft. 8 in.)

Sidewalk
Weight: 214 kg (471.8 lb.)



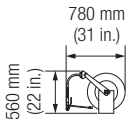
Width: 1100 mm (3 ft. 7 in.)

Sidewalk
Weight: 123 kg (271.2 lb.)



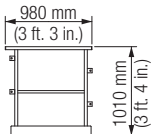
Width: 850 mm (30 in.)

Hose reel
Weight: 54 kg (119 lb.)



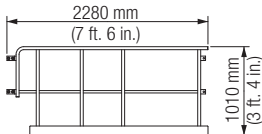
Width: 270 mm (11 in.)

Handrail
Weight: 14 kg (30.9 lb.)



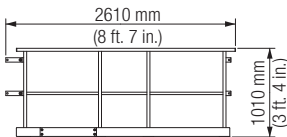
Width: 55 mm (2 in.)

Handrail
Weight: 33 kg (72.6 lb.)



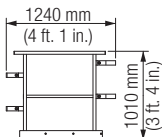
Width: 55 mm (2 in.)

Handrail
Weight: 33 kg (72.6 lb.)



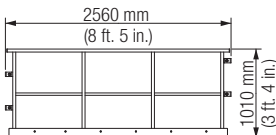
Width: 270 mm (11 in.)

Handrail
Weight: 18 kg (39.7 lb.)



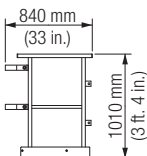
Width: 230 mm (9 in.)

Handrail
Weight: 34 kg (75 lb.)



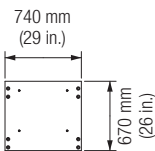
Width: 110 mm (4 in.)

Handrail
Weight: 14 kg (30.9 lb.)



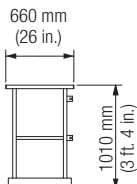
Width: 230 mm (9 in.)

Step
Weight: 39 kg (86 lb.)



Width: 210 mm (8 in.)

Step
Weight: 11 kg (24.3 lb.)

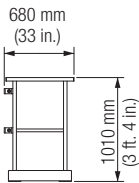


Width: 55 mm (2 in.)

UPPERSTRUCTURE

Step

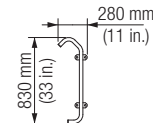
Weight: 12 kg (26.5 lb.)



Width: 110 mm (4 in.)

Step

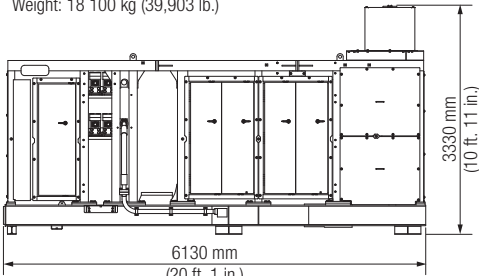
Weight: 5 kg (11 lb.)



Width: 210 mm (8 in.)

Engine unit

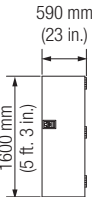
Weight: 18 100 kg (39,903 lb.)



Width: 2500 mm (8 ft. 2 in.)

Door

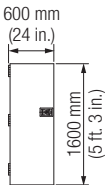
Weight: 26 kg (57.3 lb.)



Width: 50 mm (2 in.)

Door

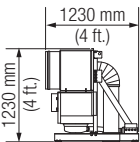
Weight: 26 kg (57.3 lb.)



Width: 50 mm (2 in.)

Air-cleaner assembly

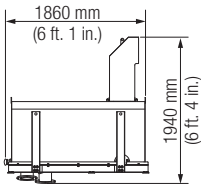
Weight: 310 kg (683.4 lb.)



Width: 1260 mm (4 ft. 2 in.)

Muffler

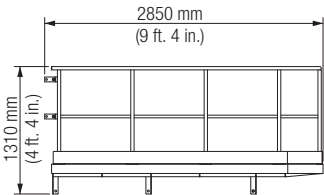
Weight: 570 kg (1,256.6 lb.)



Width: 1350 mm (4 ft. 5 in.)

Step

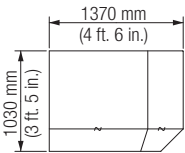
Weight: 140 kg (308.6 lb.)



Width: 564 mm (22 in.)

Fender

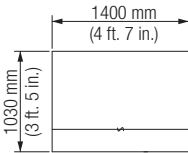
Weight: 72 kg (158.7 lb.)



Width: 580 mm (23 in.)

Fender

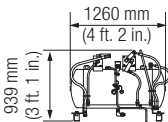
Weight: 86 kg (189.6 lb.)



Width: 580 mm (23 in.)

Reserve tank

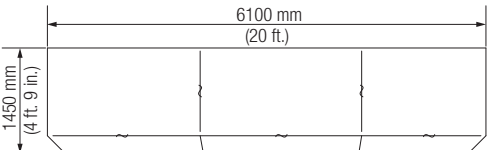
Weight: 150 kg (330.7 lb.)



Width: 508 mm (20 in.)

Counterweight

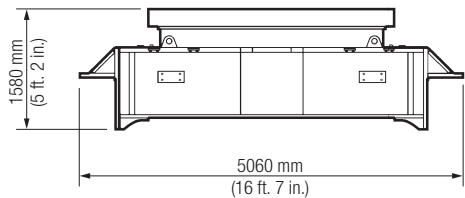
Weight: 30 000 kg (66,140 lb.)



Width: 1110 mm (3 ft. 8 in.)

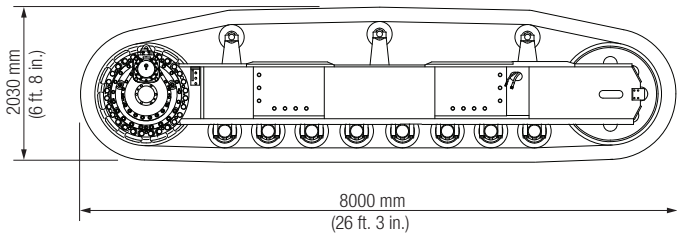
UNDERCARRIAGE

Track center-frame assembly
Weight: 21 800 kg (48,060 lb.)



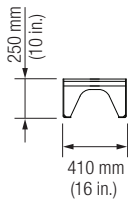
Width: 3300 mm (10 ft. 10 in.)

Track side-frame assembly
Weight: 31 400 kg (69,224 lb.) X 2



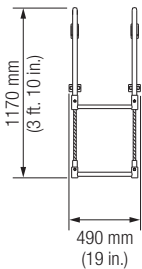
Width: 2230 mm (7 ft. 4 in.) with travel device

Step
Weight: 8 kg (17.6 lb.)



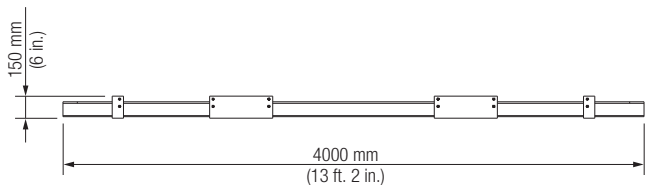
Width: 200 mm (8 in.)

Ladder
Weight: 13 kg (28.7 lb.)



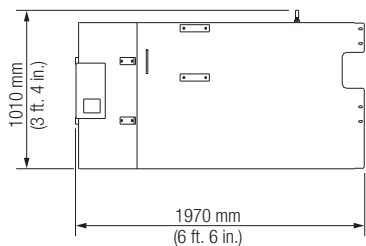
Width: 603 mm (24 in.)

Motor cover stay
Weight: 78 kg (172 lb.)



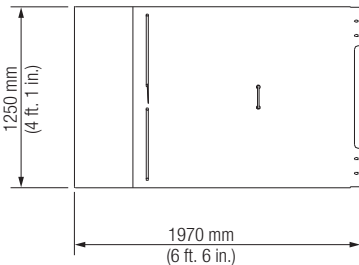
Width: 109 mm (4 in.)

Cover
Weight: 96 kg (211.6 lb.)



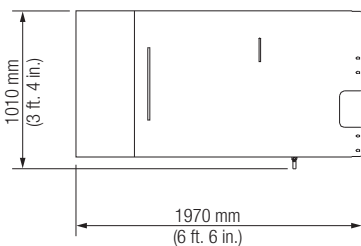
Width: 479 mm (19 in.)

Cover
Weight: 108 kg (238 lb.)



Width: 560 mm (22 in.)

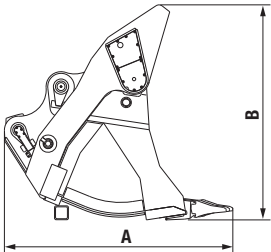
Cover
Weight: 87 kg (191.8 lb.)



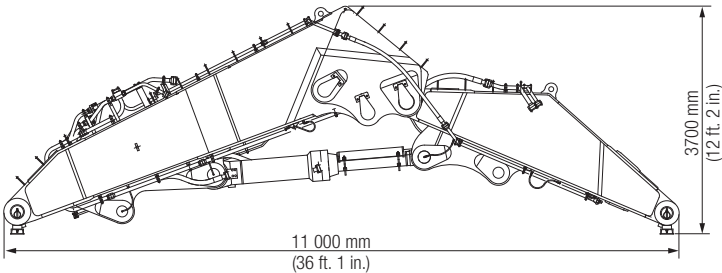
Width: 560 mm (22 in.)

LOADING SHOVEL ATTACHMENTS

Bucket assembly



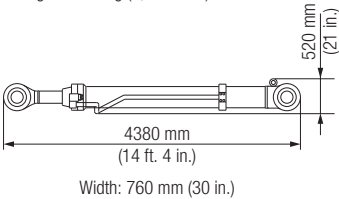
Boom-arm assembly
Weight: 29 000 kg (63,933 lb.)



Width: 2600 mm (8 ft. 6 in.)

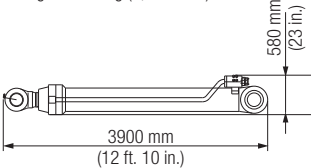
Bucket Capacity	A	B	Max. Width	Weight
15.0 m ³ (19.6 cu. yd.)	3440 mm (11 ft. 3 in.)	3240 mm (10 ft. 8 in.)	3860 mm (12 ft. 8 in.)	20 300 kg (44,753 lb.)
16.5 m ³ (21.6 cu. yd.)	3500 mm (11 ft. 6 in.)	3320 mm (10 ft. 11 in.)	3860 mm (12 ft. 8 in.)	20 700 kg (45,635 lb.)

Bucket cylinder
Weight: 1870 kg (4,122.6 lb.) X 2



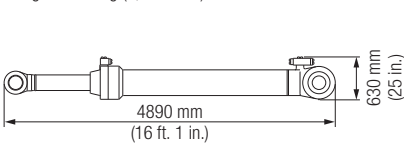
Width: 760 mm (30 in.)

Arm cylinder
Weight: 2240 kg (4,938.3 lb.)



Width: 700 mm (28 in.)

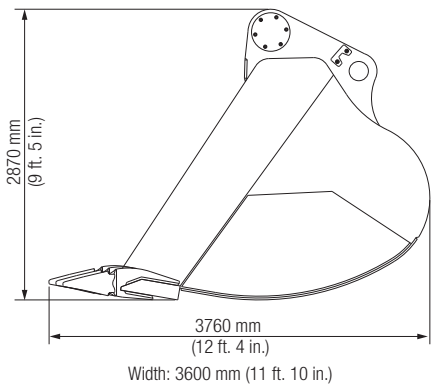
Boom cylinder
Weight: 2960 kg (6,393.3 lb.) X 2



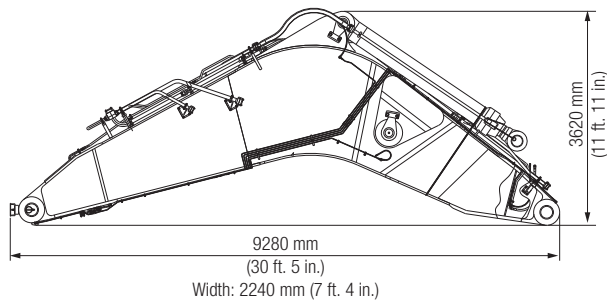
Width: 490 mm (19 in.)

BACKHOE ATTACHMENTS

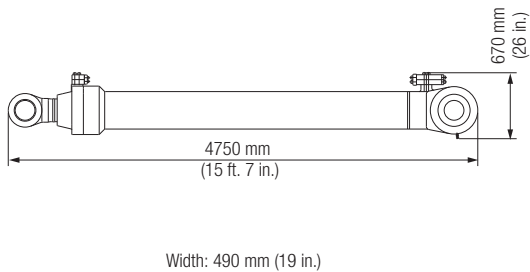
Bucket assembly
Capacity (SAE heaped): 17.0 m³ (22.2 cu. yd.)
Weight: 15 600 kg (34,392 lb.)



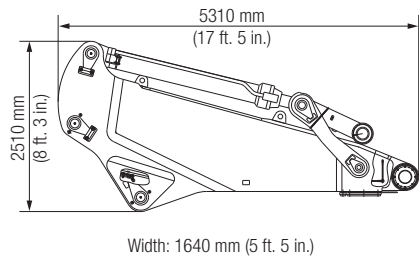
BE-boom assembly
Weight: 24 500 kg (54,012 lb.)



Boom cylinder
Weight: 3120 kg (6,878 lb.) X 2



BE-arm assembly
Weight: 16 100 kg (35,494 lb.)

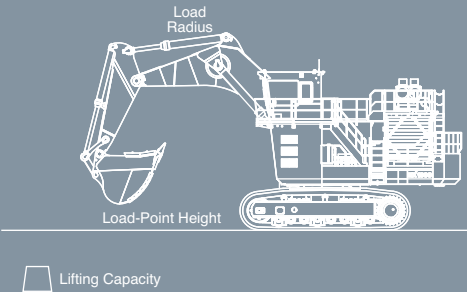














Illustrations and photos show the standard models, and may or may not include optional equipment, accessories, and all standard equipment with some differences in color and features. Before use, read and understand the Operator's Manual for proper operation.

LIFTING CAPACITIES

 RATING OVER SIDE OR 360 DEGREES  RATING OVER FRONT

UNIT 1000 KG (1,000 LB.)



Conditions	Load-Point Height	LOAD RADIUS										At Maximum Reach		
		6 m (19 ft. 6 in.)		8 m (26 ft. 3 in.)		10 m (32 ft. 10 in.)		12 m (39 ft. 4 in.)		14 m (45 ft. 11 in.)				meter (ft. in.)
														
BE-boom: 8.7 m (28 ft. 7 in.) BE-arm: 3.9 m (12 ft. 10 in.) Bucket SAE: 17.0 m³ (22.2 cu. yd.) Shoes: 1000 mm (39 in.)	10 m (32 ft. 10 in.)							*23.2 (*51.1)	*23.2 (*51.1)			*10.3 (*22.7)	*10.3 (*22.7)	15.4 m (50 ft. 6 in.)
	8 m (26 ft. 3 in.)							*27.9 (*61.5)	*27.9 (*61.5)	*18.5 (*40.8)	*18.5 (*40.8)	*10.1 (*22.3)	*10.1 (*22.3)	15.9 m (52 ft. 2 in.)
	6 m (19 ft. 8 in.)					*33.6 (*74.1)	*33.6 (*74.1)	*32.5 (*71.6)	*32.5 (*71.6)	*26.7 (*58.9)	*26.7 (*58.9)	*10.3 (*22.7)	*10.3 (*22.7)	16.1 m (52 ft. 10 in.)
	4 m (13 ft. 1 in.)					*51.1 (*112.7)	*51.1 (*112.7)	38.4 (84.7)	*39.5 (*87.1)	*31.7 (*69.9)	27.8 (61.3)	*11.1 (*24.5)	*11.1 (*24.5)	15.9 m (52 ft. 2 in.)
	2 m (6 ft. 7 in.)					50.1 (110.4)	*51.1 (*112.7)	36.1 (79.6)	*41.3 (*91)	*32.6 (*71.9)	26.4 (58.2)	*12.3 (*27.1)	*12.3 (*27.1)	15.4 m (50 ft. 6 in.)
	0 (Ground)					48.1 (106)	*49.3 (*108.7)	34.5 (76.1)	*40.9 (*90.2)	*31.1 (*68.6)	25.5 (56.2)	*14.5 (*32)	*14.5 (*32)	14.5 m (47 ft. 7 in.)
	-2 m (-6 ft. 7 in.)			*33.2 (*73.2)	*33.2 (*73.2)	47.6 (104.9)	*48.8 (*108.6)	33.9 (74.7)	*37.2 (*82)	*20.3 (*44.8)	*20.3 (*44.8)			
	-4 m (-13 ft. 1 in.)	*44.4 (*97.9)	*44.4 (*97.9)	*39.3 (*86.6)	*39.3 (*86.6)	*38.8 (*85.5)	*38.8 (*85.5)	*27.7 (*61.1)	*27.7 (*61.1)					

- Notes:
- *Indicates load limited by hydraulic capacity.
 - 1. Ratings are based on SAE J1097.
 - 2. Lifting capacity of the EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
 - 3. The load point is a hook (not standard equipment) loaded on the back of the bucket.



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