

966 GC

CARGADOR DE RUEDAS



Potencia máxima del motor

219 kW (294 hp)

Peso en orden de trabajo

21.577 kg (47.569 lb)

El motor Cat® cumple con las normas de emisiones MAR-1 de Brasil, equivalentes a Tier 3 de la EPA de EE.UU. y Stage IIIA de la Unión Europea.



El Cargador de Ruedas 966 GC Cat® es fácil de mantener y operar. Ofrece un bajo consumo de combustible con un ventilador proporcional a la demanda, un sistema hidráulico con control de detección de carga, controles intuitivos y cucharones de la serie Performance. Esta máquina está construida para ser la máquina adecuada para una amplia gama de aplicaciones. El gran rendimiento de la máquina junto con los bajos costos de posesión y operación hacen que el 966 GC sea la mejor opción para su negocio.

CAT® 966 GC

SIMPLEMENTE IDEAL PARA
EL TRABAJO



CARGADORES DE RUEDAS HECHOS PARA DAR MÁS

El 966 GC es una máquina simple y confiable que es duradera y económica y ofrece un costo de combustible competitivo.

- + COMPONENTES PROBADOS PARA UN RENDIMIENTO CONFIABLE
- + CONTROLES INTUITIVOS E INTERFAZ DE USUARIO SIMPLE PARA UNA OPERACIÓN FÁCIL
- + LA MÁQUINA IDEAL PARA UNA AMPLIA GAMA DE APLICACIONES CON COSTOS DE POSESIÓN REDUCIDOS

EFICIENCIA CON GRAN POTENCIA

El bajo consumo de combustible y las excepcionales capacidades de producción lo ayudan a completar el trabajo por menos.

RESULTADOS PRODUCTIVOS

Construido específicamente para usarse en una amplia gama de aplicaciones en todos sus sitios de trabajo.

SERVICIO SIMPLE

El acceso a nivel del suelo a la mayoría de los puntos de servicio diario y programado hace que el mantenimiento de la máquina sea seguro, fácil y eficiente.

AHORRO ECONÓMICO

**EL 966 GC ES LA
MEJOR OPCIÓN
PARA SU NEGOCIO.**



COSTOS **POSESIÓN
COMBUSTIBLE** **MÁS BAJOS**





TREN DE FUERZA

EFICIENCIA CON GRAN POTENCIA

Caterpillar se mantiene por delante de la competencia y ofrece una amplia variedad de tecnologías y componentes de innovadores que se construyen específicamente para ahorrar tiempo y reducir los costos de combustible.

MOTOR Y EMISIONES

Estas máquinas impulsadas por un motor Cat y certificadas para cumplir con las normas de emisiones cuentan con el sistema de administración de velocidad en vacío del motor (EIMS, Engine Idle Management System) a fin de minimizar el consumo de combustible.

TRANSMISIÓN

La servotransmisión planetaria Cat tiene un diseño probado y fabricado internamente para una alta confiabilidad y una larga vida útil.

VÁLVULAS DE CONTROL

El conocido embrague electrónico Cat es un sistema de cambios de un solo embrague compensado por presión que permite realizar cambios de marcha suaves y eficientes en todas las situaciones de funcionamiento.

EJES DURADEROS

Los ejes de servicio pesado con mandos finales internos cuentan con frenos de discos sumergidos en aceite de accionamiento hidráulico. Los enfriadores de aceite del eje (AOC, axle oil coolers) optativos están disponibles para aplicaciones de alta energía. El diferencial de patinaje limitado (LSD, limited slip differential) optativo se activa automáticamente y aumenta la tracción en condiciones deficientes del suelo.

VENTILADOR PROPORCIONAL A LA DEMANDA

El ventilador de velocidad variable se ajusta para cumplir con los requisitos de enfriamiento de la máquina, lo que reduce el consumo de combustible, los niveles de ruido y las obstrucciones del radiador. En entornos con mucho polvo, un ventilador reversible optativo reduce las necesidades de limpieza.

RESULTADOS PRODUCTIVOS

TRABAJE INTELIGENTEMENTE Y MUEVA MÁS MATERIAL

CUCHARONES DE LA SERIE PERFORMANCE

Los cucharones de la serie Performance fáciles de cargar también mejoran la retención del material y reducen los tiempos de excavación. Estos cucharones mejoran significativamente la productividad y la eficiencia del combustible, lo que da como resultado capacidades de producción insuperables con mayores factores de llenado del cucharón, que van del 100 % al 110 %.

SISTEMA HIDRÁULICO CON DETECCIÓN DE CARGA

El sistema hidráulico con detección de carga genera el flujo y la presión para el sistema del implemento solo cuando es necesario, lo que mejora la productividad de la máquina y reduce el consumo de combustible. También está disponible una tercera función hidráulica optativa para controlar una variedad de herramientas.

VARILLAJE DE BARRA EN Z

El varillaje de barra en Z probado con travesaño fundido y palanca de inclinación combina eficiencia de excavación y altas fuerzas de desprendimiento para ofrecer capacidades de producción superiores.



CONTROL DE AMORTIGUACIÓN SISTEMA

El sistema de control de amortiguación optativo mejora la conducción, el rendimiento y la retención de la carga cuando la máquina se desplaza sobre terreno irregular y a velocidades más altas, lo que reduce los tiempos de ciclo y aumenta la productividad.

PRODUCT LINK™

Controle la ubicación de los activos, las horas, el consumo de combustible, los códigos de diagnóstico y el tiempo de funcionamiento en vacío para mejorar la productividad y reducir los costos de operación.

KIT CAT PAYLOAD (optativo)*

Realice un seguimiento de la productividad desde la cabina con acceso rápido a información como los pesos, las cargas y los totales objetivo del camión.

- + PRECISIÓN COMPROBADA
- + INSTALACIÓN FLEXIBLE
- + CALIBRACIÓN Y CONFIGURACIÓN SIMPLES
- + INSTALACIÓN SENCILLA: COMPARABLE A LOS SISTEMAS DE CARGA ÚTIL DE TERCEROS

*No apto para uso comercial.

PROBADO, COMPROBADO Y LISTO PARA TRABAJAR.

SERVICIO SIMPLE



ACCESO PARA SERVICIO

El capó del motor cuenta con grandes puertas de ala de gaviota que se abren de par en par para llegar cómodamente a todos los puntos de servicio.

CONEXIONES DE ENGRASE

Las conexiones de engrase de los pasadores de difícil acceso están agrupadas convenientemente para una lubricación preventiva fácil y rápida.

SISTEMA DE LUBRICACIÓN AUTOMÁTICA CAT

El nuevo sistema de lubricación automática Cat optativo tiene un útil control de un botón e incluye una función de actualización de fallas.

DISEÑO CATERPILLAR

Los componentes de nuestra máquina, basados en un largo legado de cargadores de ruedas altamente confiables y de alto rendimiento, están diseñados y fabricados según los estándares de calidad de Caterpillar.

RECONOCIDO RESPALDO

Su distribuidor Cat siempre está disponible para ayudarlo a maximizar el tiempo de trabajo de la máquina al proporcionar respaldo de piezas, técnicos capacitados y Convenios de Respaldo al Cliente en todo el mundo.

ENTORNO DEL OPERADOR

CABINA CÓMODA CON CONTROLES INTUITIVOS

Una espaciosa cabina cuenta con controles sencillos e intuitivos y una excelente visibilidad, lo que proporciona un entorno de trabajo cómodo.



ACCESO Y SALIDA

Las escaleras son estándar en ambos lados de la máquina para facilitar el acceso a la cabina desde el lado izquierdo y los puntos de servicio desde el lado derecho. La estación del operador está equipada con pasamanos para acceder a la cabina.



PANTALLA E INTERFAZ

La interfaz de usuario fácil de usar completa se rediseñó como un sistema intuitivo, lo que permite al operador supervisar la condición de la máquina.



MAYOR VISIBILIDAD

Las ventanas extendidas con parabrisas delantero ancho, plano y sin distorsiones combinadas con espejos retrovisores con espejos dirigidos a puntos ofrecen una excelente visibilidad. Una cámara retrovisora es estándar. Además, está disponible la opción de protector del parabrisas.



CONTROLES SIMPLES

Los controles hidráulicos operados por piloto ofrecen una operación cómoda y de bajo esfuerzo. Hay disponibles palancas de un solo eje o palancas universales, y la columna de dirección ajustable incluye una palanca de cambios manual.



CONTROL DE CLIMATIZACIÓN

El aire acondicionado y las rejillas de ventilación permiten que el operador dirija el flujo de aire. Además, los filtros de aire fresco y de recirculación de aire de la cabina ofrecen una filtración superior y una fácil limpieza.



ASIENTO CÓMODO

El cómodo asiento de tela con suspensión mecánica ofrece una variedad de ajustes y reposacabezas y reposabrazos flexibles. También está disponible un asiento con suspensión neumática con respaldo alto y opción de calefacción.

RESPALDE TODAS LAS NECESIDADES DEL SITIO DE TRABAJO

Para aplicaciones específicas, necesita un cargador de ruedas especialmente diseñado para el trabajo. Las herramientas Cat están diseñadas para satisfacer todas las necesidades específicas del sitio de trabajo.



ACOPLADOR RÁPIDO FUSION™

El sistema de acoplador rápido Fusion permite que las máquinas utilicen una amplia gama de herramientas que pueden aprovecharse en máquinas de diferentes tamaños. El sistema Fusion está diseñado para integrar la herramienta y la máquina al acercar el acoplador y la herramienta al cargador, lo que aumenta la capacidad de levantamiento general.

- + Rendimiento mejorado de la máquina
- + Durabilidad insuperable
- + Buena visibilidad



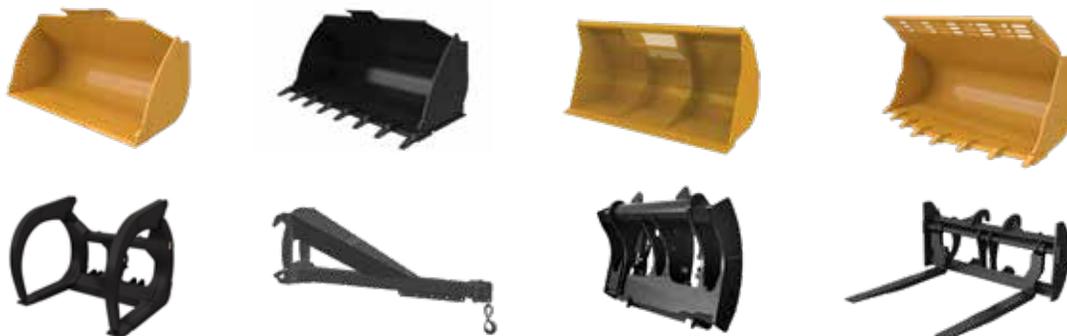
CUCHARONES DE LA SERIE PERFORMANCE

Los cucharones de la serie Performance utilizan un enfoque basado en el sistema para equilibrar la forma del cucharón con la capacidad de levantamiento e inclinación, el peso y el varillaje de la máquina. Una variedad de estilos de cucharón adaptan a la máquina a la aplicación y el material movido.

- + Eficiencia del combustible
- + Costos de operación más bajos
- + Mayor productividad

Accesorios de herramientas para todas las tareas de respaldo en el sitio de trabajo

Hay disponible una variedad de accesorios con pasadores y acopladores para aplicaciones del modelo 966 GC. Las herramientas Cat son duraderas y confiables y están diseñadas para proporcionar rendimiento y eficiencia con su cargador de ruedas Cat.



ESPECIFICACIONES TÉCNICAS

Consulte cat.com para conocer las especificaciones completas.

| MOTOR | | |
|--|-------------------|-----------------------|
| Modelo de motor | Cat® C9.3B | |
| Potencia del motor a 2.200 rpm: ISO 14396:2002 | 219 kW | 294 hp |
| ISO 14396:2002 (DIN) | 298 hp (métricos) | |
| Potencia bruta a 2.200 rpm – SAE J1995:2014 | 223 kW | 299 hp |
| SAE J1995:2014 (DIN) | 303 hp (métricos) | |
| Potencia neta a 2.200 rpm – ISO 9249:2007, SAE J1349:2011 | 196 kW | 263 hp |
| SAE J1349:2011 (DIN) | 266 hp (métricos) | |
| Par del motor a 1.200 rpm – ISO 14396:2002 | 1.779 N·m | 1.312 lbf·pie |
| Par bruto a 1.200 rpm – SAE J1995:2014 | 1.797 N·m | 1.325 lbf·pie |
| Par neto a 1.200 rpm – ISO 3294:2007, SAE J1349:2011, EEC 80/1269 | 1.679 N·m | 1.238 lbf·pie |
| Calibre | 115 mm | 4,50" |
| Carrera | 149 mm | 5,90" |
| Cilindrada | 9,30 L | 568 pulg ³ |

- El motor Cat cumple con las normas de emisiones MAR-1 de Brasil, equivalentes a Tier 3 de la EPA de EE.UU. y Stage IIIA de la Unión Europea.
 - La potencia neta anunciada es la potencia disponible al volante cuando el motor está equipado con ventilador, alternador, filtro de aire y silenciador.
 - Los motores Cat son compatibles con combustible diésel mezclado con los siguientes combustibles de menor intensidad de carbono hasta:
 - Un 100 % biodiésel FAME (fatty acid methyl ester, éster metílico de ácido graso)*
 - Un 100 % de combustible diésel renovable, combustibles HVO (hydrotreated vegetable oil, aceite vegetal hidrotratado) y GTL (gas-to-liquid, gas a líquido).
- Consulte las pautas para saber cuál es la aplicación correcta. Consulte con su distribuidor Cat o lea "Recomendaciones de fluidos para máquinas Caterpillar" (SSBU6250) a fin de obtener más detalles.
- * Para usar mezclas superiores al 20 % de biodiésel, consulte a su distribuidor Cat.

| PESOS | | |
|--------------------------|-----------|-----------|
| Peso en orden de trabajo | 21.577 kg | 47.569 lb |

- Las cargas límite de equilibrio estático y los pesos en orden de trabajo que se muestran se basan en una configuración de la máquina con refrigeración estándar para temperatura ambiente, ejes diferenciales abiertos, neumáticos Triangle 26.5R25 L3 ** TB516, contrapeso estándar, tanques de fluidos llenos, operador y cucharón de uso general de 4,0 m³ (5,25 yd³) con BOCE (Bolt-On-Cutting Edges, cuchilla empernada).

| RUIDO | | |
|---|-----------|--|
| Nivel de presión acústica para el operador (ISO 6396:2008) | 73 dB(A) | |
| Nivel de potencia acústica exterior (ISO 6395:2008) | 110 dB(A) | |
| Nivel de presión acústica para el operador (ISO 6396:2008)* | 73 dB(A) | |
| Nivel de potencia acústica exterior (ISO 6395:2008)** | 108 dB(A) | |

*Se incluyen los países que adoptan las Directivas de la Unión Europea y del Reino Unido

**Directiva de ruido de la Unión Europea 2000/14/EC y el reglamento de ruido del Reino Unido 2001 No. 1701.

| CAPACIDADES DEL CUCHARÓN | | |
|--------------------------|------------------------|---------------------------|
| Gama del cucharón | 3,2-7,1 m ³ | 4,25-9,25 yd ³ |

| ESPECIFICACIONES DE OPERACIÓN | | |
|--|-----------|------------|
| Carga de equilibrio estático: giro pleno de 38° con deflexión de los neumáticos | 13.594 kg | 29.970 lb |
| Carga de equilibrio estático – Giro pleno de 38° – Sin deflexión de los neumáticos | 14.568 kg | 32.117 lb |
| Fuerza de desprendimiento | 164 kN | 36.869 lbf |

- Para una configuración de máquina como se define en "Peso".
- Cumplimiento total de las secciones 1 a 6 de la norma ISO 14397-1:2007, que requiere una verificación del 2 % entre los cálculos y las pruebas.

| TRANSMISIÓN | | | | | |
|-------------|-----------|----------|-------------|-----------|----------|
| Avance 1 | 6,4 km/h | 4,0 mph | Retroceso 1 | 7,0 km/h | 4,3 mph |
| Avance 2 | 12,1 km/h | 7,5 mph | Retroceso 2 | 13,2 km/h | 8,2 mph |
| Avance 3 | 21,0 km/h | 13,0 mph | Retroceso 3 | 23,0 km/h | 14,3 mph |
| Avance 4 | 34,8 km/h | 21,6 mph | Retroceso 4 | 36,9 km/h | 22,9 mph |

- Velocidades de desplazamiento máximas (neumáticos 26.5R25).
- Velocidad de desplazamiento máxima en vehículo estándar con cucharón vacío y neumáticos L3 estándar con radio de rodadura de 826 mm (32").

| CAPACIDADES DE LLENADO DE SERVICIO | | |
|--|-------|-----------------|
| Tanque de combustible | 320 L | 84,5 gal EE.UU. |
| Sistema de enfriamiento | 53 L | 14,0 gal EE.UU. |
| Cárter | 25 L | 6,6 gal EE.UU. |
| Transmisión | 55 L | 14,5 gal EE.UU. |
| Diferenciales y mandos finales: delanteros | 57 L | 15,1 gal EE.UU. |
| Diferenciales y mandos finales: traseros | 57 L | 15,1 gal EE.UU. |
| Tanque hidráulico | 120 L | 31,7 gal EE.UU. |

| SISTEMA HIDRÁULICO | | |
|--|---------------|----------------------------|
| Tipo de bomba del sistema de dirección | Pistón | |
| Sistema del implemento | | |
| Flujo máximo a 2.200 rpm | 320 L/min | 85 gal EE.UU./min |
| Presión máxima de operación | 27.900 kPa | 4.047 lb/pulg ² |
| Flujo máximo de la 3ª función | 320 L/min | 85 gal EE.UU./min |
| Presión máxima de operación de la 3ª función | 23.500 kPa | 3.408 lb/pulg ² |
| Tiempo de ciclo hidráulico | | |
| Levantamiento de posición de transporte | 6,5 segundos | |
| Descarga en levantamiento máximo | 2,7 segundos | |
| Descenso, vacío, libre | 2,8 segundos | |
| Tiempo total del ciclo | 12,0 segundos | |

| SISTEMA DE AIRE ACONDICIONADO |
|---|
| El sistema de aire acondicionado en esta máquina contiene el refrigerante de gases fluorados de efecto invernadero R134a (potencial de calentamiento global = 1.430). El sistema contiene 1,7 kg (3,7 lb) de refrigerante, que tiene un equivalente de CO ₂ de 2,431 toneladas métricas (2,679 tons EE.UU.). |

EQUIPO ESTÁNDAR Y OPTATIVO

El equipo optativo y el estándar pueden variar. Comuníquese con su distribuidor Cat® para obtener más detalles.

| ENTORNO DEL OPERADOR | ESTÁNDAR | OPTATIVO |
|--|----------|----------|
| Aire Acondicionado (HVAC, Heating, Ventilation and Air Conditioning) con 10 salidas de aire y unidad de filtro ubicados fuera de la cabina | • | |
| Traba de la función del cucharón/herramienta | • | |
| Cabina presurizada e insonorizada | • | |
| Cámara retrovisora | • | |
| Listo para la instalación de radio CB | | • |
| Sistema Monitor computarizado | • | |
| Espejos retrovisores externos | • | |
| Controles hidráulicos piloto, funciones de levantamiento e inclinación; dos (2) palancas de eje único o palanca universal | • | |
| Tomacorriente de 12V (10A) | • | |
| Listo para la instalación de radio | • | |
| Radio: DAB+/AM/FM/BT | | • |
| Estructura ROPS/FOPS | • | |
| Asiento Cat Comfort (tela) con suspensión mecánica | • | |
| Asiento de respaldo alto con suspensión neumática | | • |
| Asiento con suspensión neumática y calefacción | | • |
| Columna de dirección, ángulo ajustable | • | |
| Dirección secundaria eléctrica* | | • |
| Interruptor de bloqueo del neutralizador de la transmisión (ajustable) | • | |
| Ventana deslizante (lados izquierdo y derecho) | • | |
| Limpiaparabrisas (delantero y trasero) | • | |
| TREN DE FUERZA | ESTÁNDAR | OPTATIVO |
| Frenos de discos sumergidos en aceite, completamente hidráulicos y cerrados | • | |
| Motor Cat C9.3B | • | |
| Sistema de administración de velocidad en vacío del motor (EIMS) | • | |
| Ventilador del radiador controlado electrónicamente con mando hidráulico y detección de temperatura proporcional a la demanda | • | |
| Ventilador reversible con control automático y manual | | • |
| Filtro de combustible primario/secundario/terciario | • | |
| Bomba de cebado de combustible (eléctrica) | • | |
| Separador de agua del combustible | • | |
| Silenciador, insonorizado | • | |
| Radiador del núcleo de la unidad (9,5 fpi) con ATAAAC (Air-To-Air Aftercooler, Posenfriador aire a aire) | • | |
| Convertidor de par | • | |
| Servotransmisión automática (4A/3R) con función de reducción 2-1 manual | • | |
| SISTEMA HIDRÁULICO | ESTÁNDAR | OPTATIVO |
| Bomba de pistones del freno y del ventilador dedicada | • | |
| Bomba de dirección con detección de carga dedicada | • | |
| Sistema del implemento de detección de carga operado por piloto | • | |
| Control de amortiguación | | • |
| Válvulas de muestreo de aceite S•O•S SM | • | |
| 3ª función con palanca de eje único exclusiva adicional | | • |

| SISTEMA ELÉCTRICO | ESTÁNDAR | OPTATIVO |
|---|----------|----------|
| Alarma, interruptor de desconexión de respaldo/principal | • | |
| Alternador (115A, con escobilla) | • | |
| Baterías sin mantenimiento (2 de 1.125 CCA) | • | |
| Llave de encendido, arranque y parada | • | |
| Sistema de iluminación: 4 luces de trabajo halógenas montadas en la cabina | • | |
| Sistema de iluminación: 4 luces de trabajo LED u 8 luces de trabajo halógenas montadas en la cabina | | • |
| Sistema de iluminación: 2 luces de trabajo halógenas montadas en la torreta del cargador | • | |
| Luces: luces de cola LED | • | |
| Luces: baliza de advertencia | | • |
| Luces de desplazamiento altas y bajas con señales de giro delanteras y traseras | | • |
| Motor de arranque eléctrico de servicio pesado | • | |
| Sistema de arranque y carga (24V) | • | |
| EQUIPOS ADICIONALES | ESTÁNDAR | OPTATIVO |
| Sistema de lubricación automática | | • |
| Cámara de visión delantera (kit)** | | • |
| Sistema de pesaje Cat Payload | | • |
| Listo para la instalación de Cat Payload | | • |
| Sistema básico de arranque en frío (auxiliar de arranque con éter) | | • |
| Arranque en frío completo (2 baterías de servicio pesado de 1.400 CCA, sistema de éter, calentador de agua de las camisas, fluidos para climas fríos) | | • |
| Puertas, acceso de servicio (con traba) | • | |
| Extensiones traseras de guardabarros | | • |
| Guardabarros de desplazamiento por carretera | | • |
| Parrilla para suciedad en el aire | • | |
| Neumáticos de tracción L5 | | • |
| Neumáticos con capas de tejido L3 o radiales | • | |
| Protector del tren de fuerza | | • |
| Tubos de estratos del antefiltro con barrido | | • |
| Listo para la instalación de Product Link | • | |
| Protector del cilindro de inclinación | | • |
| Caja de herramientas | | • |
| Alarma de retroceso variable (3 dB por encima del ruido ambiente) | • | |
| Protección del parabrisas | | • |
| VARILLAJE | ESTÁNDAR | OPTATIVO |
| Control de acoplador rápido Fusion™ con desconexiones dobles | | • |
| Desconexiones de levantamiento y retorno a la excavación del cucharón (electromagnéticas), ajuste mecánico | • | |
| barra en Z, palanca de inclinación de metal fundido | • | |

*Estándar donde esté indicado.

**Consulte la publicación M0106413 para conocer los requisitos de uso.

Para obtener información adicional, consulte los folletos de especificaciones técnicas del modelo 966 GC que están disponibles en www.cat.com o en su distribuidor Cat.

Para obtener más información sobre los productos Cat, los servicios de los distribuidores y las soluciones de la industria, visítenos en el sitio web en www.cat.com

Los materiales y las especificaciones están sujetos a cambios sin previo aviso. Las máquinas que se muestran en las fotografías pueden incluir equipos adicionales. Comuníquese con su distribuidor Cat para conocer las opciones disponibles.

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www.cat.com www.caterpillar.com



ASXQ2927-01 (4-2023)
Número de fabricación: 01B
(Afr-ME, Eurasia, S Am [excluding Chile], Aus-NZ, Asia [excluding China, Japan, S. Korea])





966 GC

Wheel Loader

Technical Specifications

Configurations and features may vary by region. Please consult your Cat® dealer for availability in your area.

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966 GC Wheel Loader Specifications

Engine

| | | |
|---|-----------------|---------------------|
| Engine Model | Cat® C9.3B | |
| Engine Power @ 2,200 rpm ISO 14396:2002 | 219 kW | 294 hp |
| ISO 14396:2002 (DIN) | 298 hp (metric) | |
| Gross Power @ 2,200 rpm SAE J1995:2014 | 223 kW | 299 hp |
| SAE J1995:2014 (DIN) | 303 hp (metric) | |
| Net Power @ 2,200 rpm ISO 9249:2007, SAE J1349:2011 | 196 kW | 263 hp |
| SAE J1349:2011 (DIN) | 266 hp (metric) | |
| Engine Torque (1,200 rpm) ISO 14396:2002 | 1779 N·m | 1,312 lbf-ft |
| Gross Torque (1,200 rpm) SAE J1995:2014 | 1797 N·m | 1,325 lbf-ft |
| Net Torque (1,100 rpm) ISO 3294:2007, SAE J1349:2011, EEC 80/1269 | 1679 N·m | 1,238 lbf-ft |
| Bore | 115 mm | 4.5 in |
| Stroke | 149 mm | 5.9 in |
| Displacement | 9.30 L | 568 in ³ |

- Cat engine meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner, and muffler.
- Cat engines are compatible with diesel fuel blended with following lower-carbon intensity fuels up to:
 - 100% biodiesel FAME (fatty acid methyl ester)*
 - 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels
 Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details.

* For use of blends higher than 20% biodiesel, consult your Cat dealer.

Weights

| | | |
|------------------|-----------|-----------|
| Operating Weight | 21 577 kg | 47,569 lb |
|------------------|-----------|-----------|

- Operating weight and static tipping loads shown are based on a machine configuration with standard ambient cooling, open differentials axles, Triangle 26.5R25 L3 ** TB516 tires, standard counterweight, full fluids, operator and 4.0 m³ (5.25 yd³) general purpose bucket with BOCE.

Operating Specifications

| | | |
|-------------------------------------|-----------|------------|
| Static Tipping Load – Full 38° Turn | | |
| With Tire Deflection | 13 594 kg | 29,970 lb |
| No Tire Deflection | 14 568 kg | 32,117 lb |
| Breakout Force | 164 kN | 36,869 lbf |

- For a machine configuration as defined under “Weight.”
- Full compliance to ISO 14397-1:2007 Sections 1 through 6, which requires 2% verification between calculations and testing.

Transmission

| | | |
|-----------|-----------|----------|
| Forward 1 | 6.4 km/h | 4.0 mph |
| Forward 2 | 12.1 km/h | 7.5 mph |
| Forward 3 | 21.0 km/h | 13.0 mph |
| Forward 4 | 34.8 km/h | 21.6 mph |
| Reverse 1 | 7.0 km/h | 4.3 mph |
| Reverse 2 | 13.2 km/h | 8.2 mph |
| Reverse 3 | 23.0 km/h | 14.3 mph |
| Reverse 4 | 13.2 km/h | 8.2 mph |

- Maximum travel speeds (26.5R25 tires).
- Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 826 mm (32.5 in) roll radius.

Service Refill Capacities

| | | |
|--|-------|----------|
| Fuel Tank Size | 320 L | 84.5 gal |
| Cooling System | 53 L | 14.0 gal |
| Crankcase | 25 L | 6.6 gal |
| Transmission | 55 L | 14.5 gal |
| Differentials and Final Drives – Front | 57 L | 15.1 gal |
| Differentials and Final Drives – Rear | 57 L | 15.1 gal |
| Hydraulic Tank | 120 L | 31.7 gal |

Bucket Capacities

| | | |
|--------------|------------------------|---------------------------|
| Bucket Range | 3.2-7.1 m ³ | 4.25-9.25 yd ³ |
|--------------|------------------------|---------------------------|

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.7 kg of refrigerant which has a CO₂ equivalent of 2.431 metric tonnes.

Hydraulic System

| | | |
|--|--------------|------------|
| Steering System Pump Type | Piston | |
| Implement System | | |
| Maximum Pump Output at 2,275 rpm | 320 L/min | 85 gal/min |
| Maximum Operating Pressure at 50 L/min (13.2 gal/min) | 27 900 kPa | 4,047 psi |
| Optional 3rd Function Maximum Pressure at 20 L/min (5.3 gal/min) | 23 500 kPa | 3,408 psi |
| Optional 3rd Function Maximum Flow | 320 L/min | 85 gal/min |
| Hydraulic Cycle Time | | |
| Raise from Carry Position | 6.5 Seconds | |
| Dump at Maximum Raise | 2.7 Seconds | |
| Lower, Empty, Float Down | 2.8 Seconds | |
| Total Cycle Time | 12.0 Seconds | |

Tires*

Choices include:

- Triangle 26.5-25 20PR L3 (TL612)
- Triangle 26.5R25 ★★ L3 (TB516)
- Maxam 26.5R25 ★★ L3 (MS302)
- Bridgestone 26.5R25 ★ L3 (VJT)
- Maxam 26.5R25 ★★ L5 (MS503)
- Bridgestone 26.5R25 ★ L5 (VSDT)
- Triangle 26.5R25 ★★ L5 (TL538S+)

*Tire offerings vary by region. Consult your local Cat dealer for further details.

Sound

| | |
|---|-------------|
| Operator Sound Pressure Level (ISO 6396:2008) | 73 dB(A) |
| Exterior Sound Power Level (ISO 6395:2008) | 110 dB(A) |
| Operator Sound Pressure Level (ISO 6396:2008) | 73 dB(A)* |
| Exterior Sound Power Level (ISO 6395:2008) | 108 dB(A)** |

*Including countries that adopt the EU and UK directives.

**EU Noise Directive 2000/14/EC and UK Noise Regulation 2001 No. 1701.

Cab

| | |
|-----------|---|
| ROPS/FOPS | ROPS/FOPS meet ISO 3471:2008 and ISO 3449:2005 Level II standards |
|-----------|---|

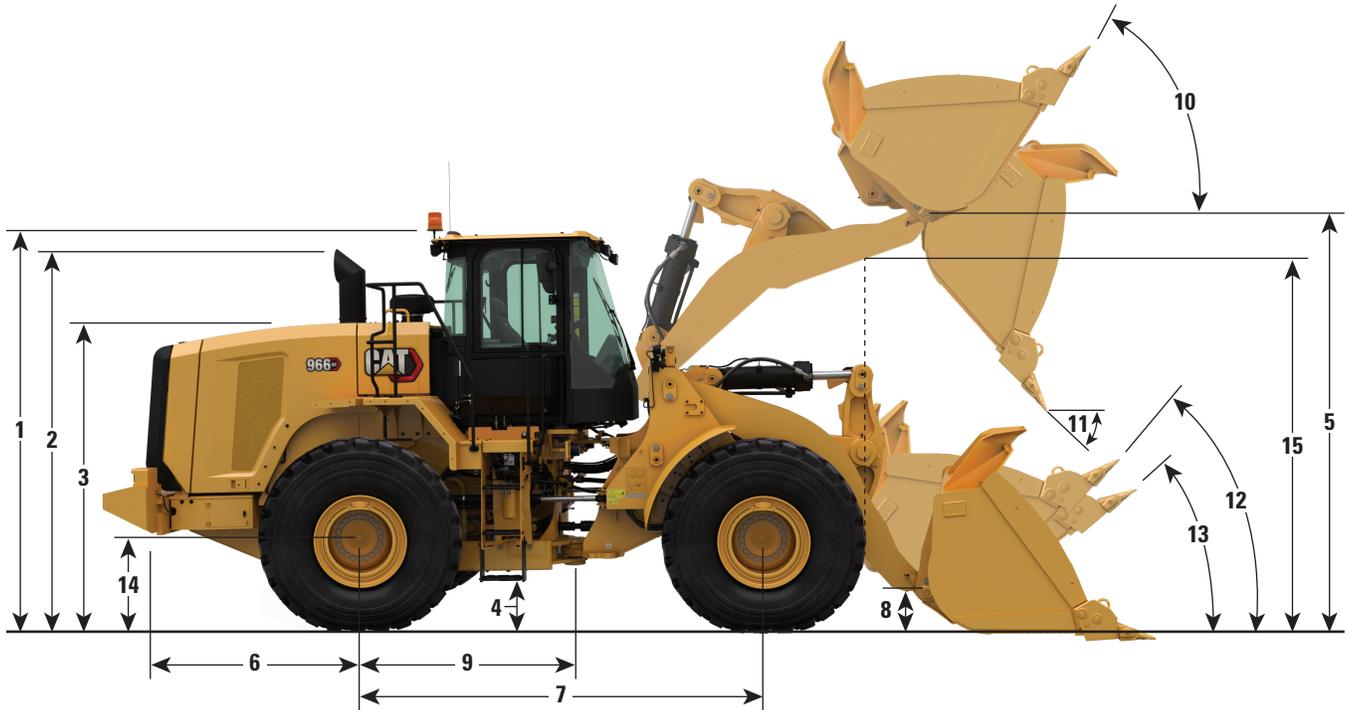
Brakes

| | |
|--------|-------------------------------------|
| Brakes | Brakes meet ISO 3450:2011 standards |
|--------|-------------------------------------|

966 GC Wheel Loader Specifications

Dimensions

All dimensions are approximate and based on 26.5R25 ★ ★ L3 TB516 Triangle tires.



| | | | |
|----|---|------------|-------|
| 1 | Height to Top of ROPS | 3582 mm | 11'8" |
| 2 | Height to Top of Exhaust Pipe | 3539 mm | 11'6" |
| 3 | Height to Top of Hood | 2804 mm | 9'2" |
| 4 | Ground Clearance | 455 mm | 1'5" |
| 5 | B-Pin Height | 4256 mm | 14' |
| 6 | Center Line of Rear Axle to Edge of Counterweight | 2453 mm | 8' |
| 7 | Wheelbase | 3550 mm | 11'6" |
| 8 | B-Pin Height at Carry | 614 mm | 2' |
| 9 | Center Line of Rear Axle to Hitch | 1775 mm | 5'9" |
| 10 | Rack Back at Maximum Lift | 62 degrees | |
| 11 | Dump Angle at Maximum Lift | 44 degrees | |
| 12 | Rack Back at Carry | 50 degrees | |
| 13 | Rack Back at Ground | 42 degrees | |
| 14 | Height to Center Line of Axle | 819 mm | 2'7" |
| 15 | Lift Arm Clearance | 3705 mm | 12'2" |

966 GC Wheel Loader Specifications

Turning Radius

All dimensions are approximate and based on tire 26.5R25 ★ ★ L3 TB516 Triangle tires.

| | | |
|---|---------|--------|
| Turning Radius to Outside of Tires | 6675 mm | 21'11" |
| Turning Radius to Inside of Tires | 3728 mm | 12'3" |
| Width Over Tires – Loaded | 3154 mm | 10'4" |
| Width Over Tires – Unloaded | 2873 mm | 10'3" |
| Turning Radius to Outside Edge of Counterweight | 6693 mm | 22'0" |

Tire Options*

| Tire Brand | Maxam | Bridgestone | Maxam | Triangle | Bridgestone | Triangle |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Tire Size | 26.5R25 | 26.5R25 | 26.5R25 | 26.5R25 | 23.5R25 | 26.5-25 |
| Tread Type | L3 | L3 | L5 | L5 | L5 | L3 |
| Tread Pattern | MS302 | VJT | MS503 | TL538S+ | VSDT | TL612 |
| Width over Tires – Maximum (unloaded)** | 2966 mm 9'7" | 2966 mm 9'7" | 2955 mm 9'7" | 2948 mm 9'7" | 2973 mm 9'8" | 2936 mm 9'6" |
| Width over Tires – Maximum (loaded)** | 3006 mm 9'9" | 3010 mm 9'9" | 3000 mm 9'8" | 2970 mm 9'7" | 2999 mm 9'8" | 2963 mm 9'7" |
| Change in Vertical Dimensions (average of front and rear) | 7 mm 0.28" | -4 mm -0.16" | 35 mm 1.37" | 13 mm 0.51" | 28 mm 1.10" | 82 mm 3.23" |
| Change in Horizontal Reach | -2.0 mm -0.08" | 6.5 mm 0.26" | -22.0 mm -0.87" | -29.0 mm -1.14" | -12.5 mm -0.49" | 0 mm 0" |
| Change in Clearance Circle to Outside of Tires | -74.0 mm -2.91" | -72.0 mm -2.83" | -77.0 mm -3.03" | -92.0 mm -3.62" | -77.5 mm -3.05" | -95.5 mm -3.76" |
| Change in Clearance Circle to Inside of Tires | 74.0 mm 2.91" | 72.0 mm 2.83" | 77.0 mm 3.03" | 92.0 mm 3.62" | 77.5 mm 3.05" | 95.5 mm 3.76" |
| Change in Operating Weight (without Ballast) | -64 kg -141 lb | -180 kg -397 lb | 652 kg 1,437 lb | 656 kg 1,446 lb | 764 kg 1,684 lb | -448 mm -988 lb |

*Tire offerings vary by region. Consult your local Cat dealer for further details.

**Width over tire bulge and includes tire growth.

966 GC Wheel Loader Specifications

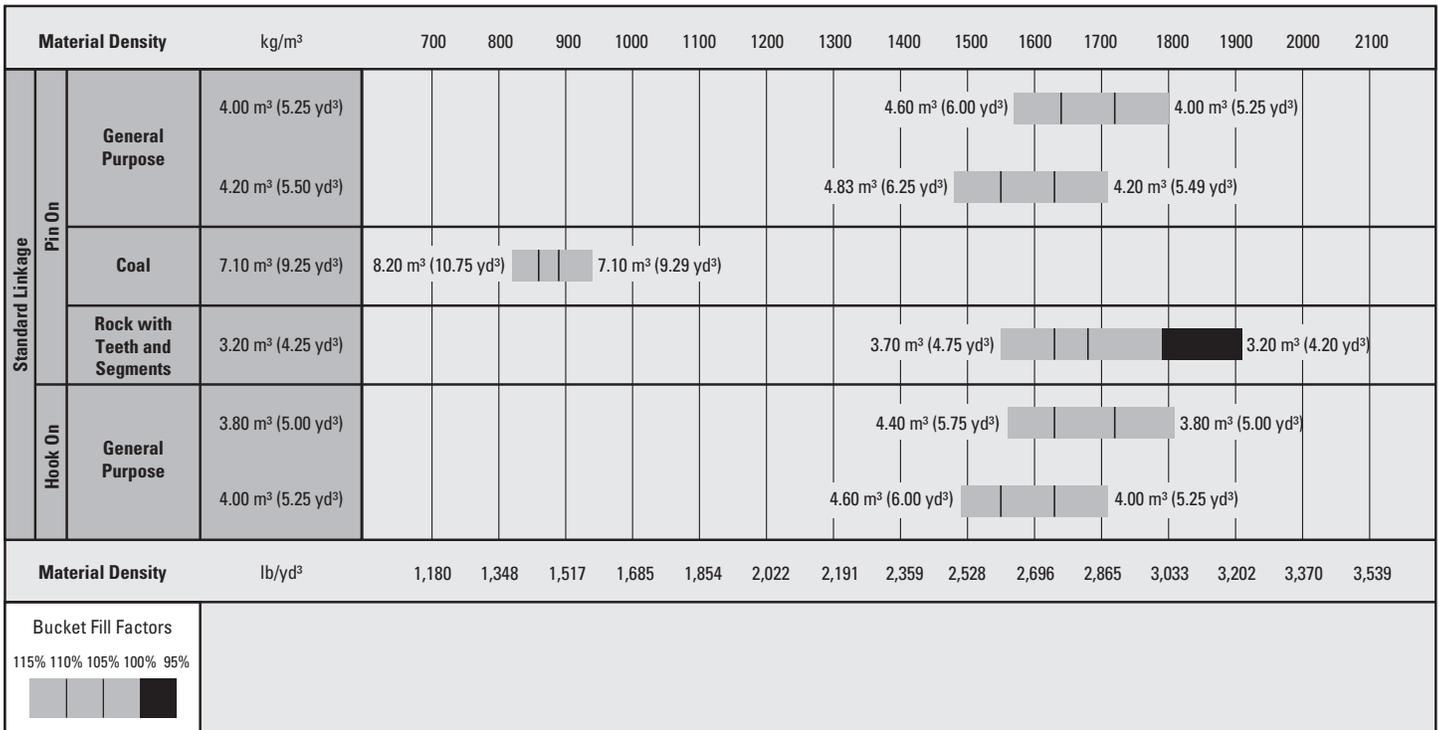
Bucket Fill Factors and Selection Chart

The bucket size must be chosen based on the density of the material and on the expected fill factor. The Cat Performance Series Buckets with longer floor, larger bucket opening, increased repository angle, rounded side boards and integrated spill guard, demonstrate fill factors significantly higher than previous generation or non Cat buckets. The actual volume handled by the machine is thus often larger than the rated capacity.

| Loose Material | | Material Density | Fill Factor (%)* |
|-----------------|-----------------------------|---|------------------|
| Earth/Clay | | 1500-1700 kg/m ³ (2,528-2,865 lb/yd ³) | 115 |
| Sand and Gravel | | 1500-1700 kg/m ³ (2,528-2,865 lb/yd ³) | 115 |
| Aggregate: | 25-76 mm (1 to 3 in) | 1600-1700 kg/m ³ (2,696-2,865 lb/yd ³) | 110 |
| | 19 mm (0.75 in) and smaller | 1800 kg/m ³ (3,033 lb/yd ³) | 105 |
| Rock: | 76 mm (3 in) and larger | 1600 kg/m ³ (2,696 lb/yd ³) | 100 |

*As a % of ISO 7546:1983 rated capacity.

Note: Fill Factors achieved will also depend on whether the product is washed or not washed.



Note: All buckets are showing Bolt-On Edges unless otherwise noted.

966 GC Wheel Loader Specifications

Operating Specifications – Buckets

| Bucket Type | | General Purpose – Pin On | | | | | |
|--|-----------------|--------------------------|--------------------|--------|-----------------------|--------------------|--------|
| | | Bolt-On Cutting Edges | | | Bolt-On Cutting Edges | | |
| Edge Type | | | Teeth and Segments | Tips | | Teeth and Segments | Tips |
| Capacity – Rated | m ³ | 4.0 | 4.0 | 3.9 | 4.2 | 4.2 | 4.1 |
| | yd ³ | 5.25 | 5.25 | 5.25 | 5.5 | 5.5 | 5.5 |
| Capacity – 110% Rated | m ³ | 4.40 | 4.4 | 4.3 | 4.6 | 4.6 | 4.5 |
| | yd ³ | 5.8 | 5.8 | 4.6 | 6.0 | 6.0 | 5.9 |
| Width | mm | 3220 | 3271 | 3271 | 3220 | 3271 | 3271 |
| | ft/in | 10'6" | 10'7" | 10'7" | 10'6" | 10'7" | 10'7" |
| Dump Clearance at Maximum Lift and 45° Discharge | mm | 3064.3 | 2912 | 2912 | 3035 | 2882 | 2882 |
| | ft/in | 10'1" | 9'6" | 9'6" | 9'10" | 9'5" | 9'5" |
| Reach at Maximum Lift and 45° Discharge | mm | 1302.0 | 1441 | 1441 | 1325 | 1463 | 1463 |
| | ft/in | 4'3" | 4'7" | 4'7" | 4'3" | 4'8" | 4'8" |
| Reach at Level Lift Arm and Bucket Level | mm | 2725.1 | 2930 | 2930 | 2763 | 2968 | 2968 |
| | ft/in | 8'9" | 9'6" | 9'6" | 9'1" | 9'7" | 9'7" |
| Digging Depth | mm | 105 | 105 | 75 | 105 | 105 | 75 |
| | in | 4.13" | 4.13" | 3.0" | 4.13" | 4.13" | 3.0" |
| Overall Length | mm | 8937 | 9163 | 9163 | 8975 | 9201 | 9201 |
| | ft/in | 29'3" | 30'1" | 30'1" | 29'4" | 30'2" | 30'2" |
| Overall Height with Bucket at Maximum Lift | mm | 5849 | 5849 | 5849 | 5888 | 5888 | 5888 |
| | ft/in | 19'2" | 19'2" | 19'2" | 19'3" | 19'3" | 19'3" |
| Loader Clearance Circle with Bucket at Carry Position | mm | 15 001 | 15 174 | 15 174 | 15 021 | 15 194 | 15 194 |
| | ft/in | 49'2" | 49'8" | 49'8" | 49'3" | 49'8" | 49'8" |
| Static Tipping Load, Straight (With Tire Deflection)* | kg | 15 472 | 15 289 | 15 494 | 15 405 | 15 221 | 15 419 |
| | lb | 34,110 | 33,706 | 34,158 | 33,962 | 33,557 | 33,993 |
| Static Tipping Load, Straight (No Tire Deflection)* | kg | 16 442 | 16 256 | 16 462 | 16 380 | 16 193 | 16 391 |
| | lb | 36,248 | 35,838 | 36,292 | 36,112 | 35,699 | 36,136 |
| Static Tipping Load, Articulated (With Tire Deflection)* | kg | 13 593 | 13 410 | 13 604 | 13 529 | 13 345 | 13 531 |
| | lb | 29,967 | 29,564 | 29,992 | 29,826 | 29,421 | 29,831 |
| Static Tipping Load, Articulated (No Tire Deflection)* | kg | 14 568 | 14 382 | 14 576 | 14 508 | 14 321 | 14 507 |
| | lb | 32,117 | 31,707 | 32,135 | 31,985 | 31,572 | 31,982 |
| Breakout Force | kN | 164 | 163 | 175 | 159 | 158 | 169 |
| | lbf | 36,869 | 36,644 | 39,342 | 35,745 | 35,520 | 37,993 |
| Operating Weight* | kg | 21 577 | 21 715 | 21 552 | 21 618 | 21 756 | 21 593 |
| | lb | 47,569 | 47,873 | 47,514 | 47,660 | 47,964 | 47,604 |

*Static tipping loads and operating weights shown are based on a machine configuration with standard ambient cooling, open differentials axles, Triangle 26.5R25 L3 ★★ TB516 tires, standard counterweight, full fluids and 75 kg (165 lb) operator.

(With Tire Deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Bucket and work tool offerings vary by region. Consult your local Cat dealer for further details.

966 GC Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

| Bucket Type | Edge Type | General Purpose – Hook-On – Fusion | | | | | |
|--|-----------------|------------------------------------|--------------------|--------|-----------------------|--------------------|--------|
| | | Bolt-On Cutting Edges | Teeth and Segments | Tips | Bolt-On Cutting Edges | Teeth and Segments | Tips |
| Capacity – Rated | m ³ | 3.8 | 3.8 | 3.6 | 4.0 | 4.0 | 3.8 |
| | yd ³ | 5.0 | 5.0 | 4.75 | 5.25 | 5.25 | 5.0 |
| Capacity – 110% Rated | m ³ | 4.2 | 4.2 | 4 | 4.4 | 4.4 | 4.2 |
| | yd ³ | 5.5 | 5.5 | 5.2 | 5.8 | 5.8 | 5.5 |
| Width | mm | 3220 | 3271 | 3271 | 3201 | 3201 | 3201 |
| | ft/in | 10'6" | 10'7" | 10'7" | 10'5" | 10'5" | 10'5" |
| Dump Clearance at Maximum Lift and 45° Discharge | mm | 3059 | 2907 | 2907 | 3046 | 2891 | 2891 |
| | ft/in | 10' | 9'5" | 9'5" | 10' | 9'5" | 9'5" |
| Reach at Maximum Lift and 45° Discharge | mm | 1318 | 1458 | 1458 | 1321 | 1463 | 1463 |
| | ft/in | 4'3" | 4'8" | 4'8" | 4'3" | 4'8" | 4'8" |
| Reach at Level Lift Arm and Bucket Level | mm | 2740 | 2945 | 2945 | 2751 | 2959 | 2959 |
| | ft/in | 8'9" | 9'7" | 9'7" | 9' | 9'7" | 9'7" |
| Digging Depth | mm | 105 | 105 | 75 | 75 | 75 | 75 |
| | in | 4.1" | 4.1" | 3" | 3" | 3" | 3" |
| Overall Length | mm | 8952 | 9177 | 9177 | 8967 | 9196 | 9196 |
| | ft/in | 29'4" | 30'1" | 30'1" | 29'4" | 30'2" | 30'2" |
| Overall Height with Bucket at Maximum Lift | mm | 5823 | 5823 | 5823 | 5939 | 5939 | 5939 |
| | ft/in | 19'1" | 19'1" | 19'1" | 19'5" | 19'5" | 19'5" |
| Loader Clearance Circle with Bucket at Carry Position | mm | 14 985 | 15 157 | 15 157 | 14 976 | 15 104 | 15 104 |
| | ft/in | 49'2" | 49'7" | 49'7" | 49'1" | 49'6" | 49'6" |
| Static Tipping Load, Straight (With Tire Deflection)* | kg | 14 810 | 14 628 | 14 961 | 14 761 | 14 546 | 14 893 |
| | lb | 32,650 | 32,249 | 32,983 | 32,543 | 32,068 | 32,833 |
| Static Tipping Load, Straight (No Tire Deflection)* | kg | 15 761 | 15 577 | 15 922 | 15 723 | 15 505 | 15 866 |
| | lb | 34,747 | 34,341 | 35,102 | 34,663 | 34,182 | 34,979 |
| Static Tipping Load, Articulated (With Tire Deflection)* | kg | 12 951 | 12 768 | 13 087 | 12 902 | 12 686 | 13 017 |
| | lb | 28,552 | 28,149 | 28,852 | 28,443 | 27,969 | 28,698 |
| Static Tipping Load, Articulated (No Tire Deflection)* | kg | 13 906 | 13 722 | 14 052 | 13 868 | 13 650 | 13 995 |
| | lb | 30,657 | 30,252 | 30,980 | 30,573 | 30,093 | 30,853 |
| Breakout Force | kN | 162 | 160 | 172 | 170 | 168 | 170 |
| | lbf | 36,419 | 35,969 | 38,667 | 38,218 | 37,768 | 38,218 |
| Operating Weight* | kg | 22 135 | 22 273 | 22 110 | 22 186 | 22 348 | 22 182 |
| | lb | 48,799 | 49,104 | 48,744 | 48,912 | 49,269 | 48,903 |

*Static tipping loads and operating weights shown are based on a machine configuration with standard ambient cooling, open differentials axles, Triangle 26.5R25 L3 ★★ TB516 tires, standard counterweight, full fluids and 75 kg (165 lb) operator.

(With Tire Deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Hook on bucket data includes a quick coupler.

Bucket and work tool offerings vary by region. Consult your local Cat dealer for further details.

966 GC Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

| Bucket Type | | Pin On Coal | Pin On Rock |
|--|-----------------|-----------------------|--------------------|
| Edge Type | | Bolt-On Cutting Edges | Teeth and Segments |
| Capacity – Rated | m ³ | 7.1 | 3.2 |
| | yd ³ | 9.50 | 4.25 |
| Capacity – 110% Rated | m ³ | 7.8 | 3.5 |
| | yd ³ | 10.25 | 4.5 |
| Width | mm | 3447 | 3252 |
| | ft/in | 11' 31" | 10' 7" |
| Dump Clearance at Maximum Lift and 45° Discharge | mm | 2645.6 | 3035 |
| | ft/in | 8' 7" | 9'11" |
| Reach at Maximum Lift and 45° Discharge | mm | 1539.2 | 1529 |
| | ft/in | 5' 1" | 5' |
| Reach at Level Lift Arm and Bucket Level | mm | 3208.3 | 2914 |
| | ft/in | 10' 5" | 9'7" |
| Digging Depth | mm | 120.2 | 65.7 |
| | in | 4.73" | 2.57" |
| Overall Length | mm | 9432.9 | 9149 |
| | ft/in | 30' 9" | 30' |
| Overall Height with Bucket at Maximum Lift | mm | 6090.4 | 5909 |
| | ft/in | 19' 10" | 19'5" |
| Loader Clearance Circle with Bucket at Carry Position | mm | 15 453.8 | 15 149 |
| | ft/in | 50' 8" | 48'8" |
| Static Tipping Load, Straight (With Tire Deflection)* | kg | 14 479 | 15 511 |
| | lb | 31,921 | 34,196 |
| Static Tipping Load, Straight (No Tire Deflection)* | kg | 15 485 | 16 504 |
| | lb | 34,139 | 36,385 |
| Static Tipping Load, Articulated (With Tire Deflection)* | kg | 12 628 | 13 567 |
| | lb | 27,840 | 29,910 |
| Static Tipping Load, Articulated (No Tire Deflection)* | kg | 13 638 | 14 565 |
| | lb | 30,067 | 32,110 |
| Breakout Force | kN | 115.3 | 174 |
| | lbf | 25,920 | 39,117 |
| Operating Weight* | kg | 22 134 | 22 742 |
| | lb | 48,797 | 50,138 |

*Static tipping loads and operating weights shown are based on a machine configuration with standard ambient cooling, open differentials axles, Triangle 26.5R25 L3 ★ TB516 tires, standard counterweight, full fluids and 75 kg (165 lb) operator.

(With Tire Deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Rock buckets are equipped with Triangle TL538S+ tires.

Bucket and work tool offerings vary by region. Consult your local Cat dealer for further details.

966 GC Wheel Loader Specifications

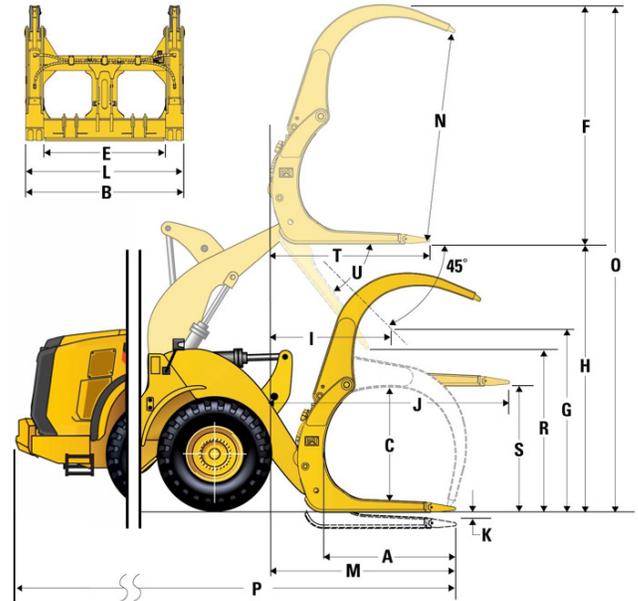
Fork Specifications

Logging, Pin-On

63" Tine
398-4960

Fork Specifications

| | | | |
|----------|--|-----------------|----------|
| A | Tine Length | mm | 1609 |
| | | in | 63.4 |
| B | Fork Width | mm | 2498 |
| | | in | 98.3 |
| | End Area | m ² | 1.91 |
| | | ft ² | 21 |
| C | Inside Height (only applies to double top clamp) | mm | 1376 |
| | | in | 54 |
| D | Min. Opening (only applies to millyard forks) | mm | N/A |
| | | in | N/A |
| | Operating Weight | kg | 21 915 |
| | | lb | 48,314 |
| E | Distance Inside of Tine Tips | mm | 1892 |
| | | in | 74 |
| | Static Tipping Load, Articulated Fork Level | kg | 9816 |
| | | lb | 21,639.3 |
| | Static Tipping Load, Straight Fork Level | kg | 11 223 |
| | | lb | 24,743.0 |
| F | Max. Height of Fork (with clamp open if applicable) | mm | 2943 |
| | | in | 115.9 |
| G | Clearance with Full Lift, 45 Degree Dump (if max. dump < 45) | mm | 2869 |
| | | in | 112.9 |
| H | Clearance @ Full Lift Fork Level | mm | 3991 |
| | | in | 157.1 |
| I | Reach with Full Lift, 45 Degree Dump (if max. dump < 45) | mm | 1403 |
| | | in | 55.2 |
| J | Reach with Lift Arm Horizontal and Fork Level | mm | 2954 |
| | | in | 116.3 |
| K | Digging Depth | mm | -59 |
| | | in | -2.3 |
| L | Width Over Tines | mm | 2414 |
| | | in | 95.0 |
| M | Reach @ Ground Level | mm | 2250 |
| | | in | 89 |
| N | Max. Opening Across Tine and Clamp | mm | 2542 |
| | | in | 100.1 |
| O | Overall Height of Fork @ Full Lift and Clamp Open | mm | 6935 |
| | | in | 273.0 |
| P | Overall Length Tip of Tine to Rear of Machine | mm | 9128 |
| | | in | 359.4 |
| R | Clearance @ Full Lift and Max. Dump Discharge (if < 45) | mm | 2872 |
| | | in | 113.1 |
| S | Clearance with Horizontal Lift Arms and Fork Level | mm | 1907.7 |
| | | in | 75.1 |
| T | Reach @ Full Lift and Fork Level | mm | 2086.8 |
| | | in | 82.2 |
| U | Max. Discharge Angle from Horizontal | deg | 45 |
| | | rad | 0.8 |



- Payload (SAE J1197)
- Payload (CEN EN 474-3 – Rough Terrain)
- Payload (CEN EN 474-3 – Firm & Level)
- Static Tipping Load – Articulated
- Static Tipping Load – Straight
- Hydraulic Tilt Capacity
- Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Triangle (TB516) Tires, Air Conditioning, Ride Control, Power Train Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:

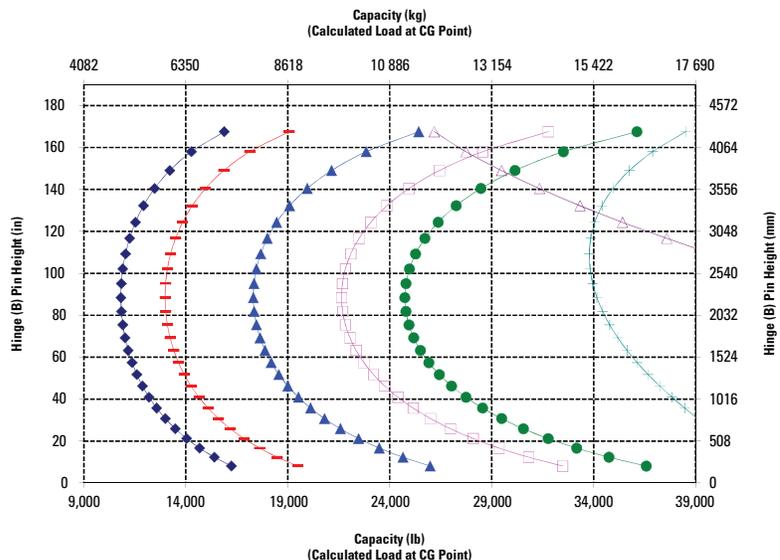
SAE J1197: 50% of full turn static tipping load or hydraulic limit.

CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.

CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE – Society of Automotive Engineers

**CEN – European Committee for Standardization



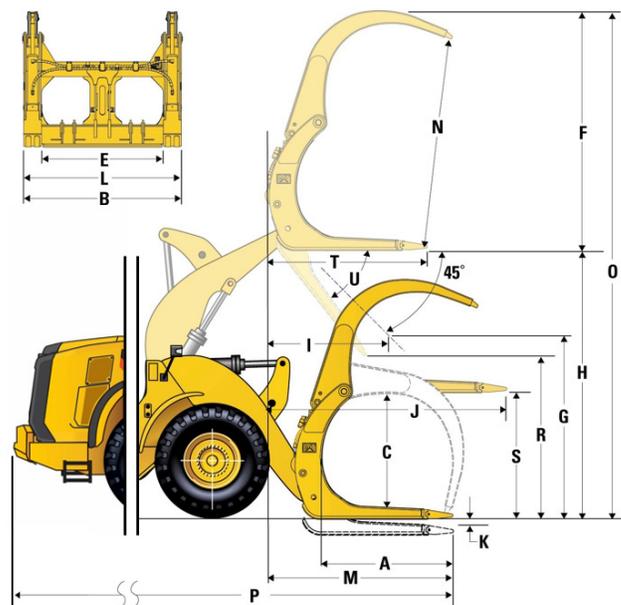
Fork Specifications

Logging, Pin-On

63" Tine
472-1174

Fork Specifications

| | | | |
|----------|--|-----------------|----------|
| A | Tine Length | mm | 1611 |
| | | in | 63.4 |
| B | Fork Width | mm | 2500 |
| | | in | 98.4 |
| | End Area | m ² | 1.42 |
| | | ft ² | 15 |
| C | Inside Height (only applies to double top clamp) | mm | 1259 |
| | | in | 50 |
| D | Min. Opening (only applies to millyard forks) | mm | N/A |
| | | in | N/A |
| | Operating Weight | kg | 21880 |
| | | lb | 48237 |
| E | Distance Inside of Tine Tips | mm | 1892 |
| | | in | 74 |
| | Static Tipping Load, Articulated Fork Level | kg | 10 289 |
| | | lb | 22,683.4 |
| | Static Tipping Load, Straight Fork Level | kg | 11757 |
| | | lb | 25,919.5 |
| F | Max. Height of Fork (with clamp open if applicable) | mm | 2700 |
| | | in | 106.3 |
| G | Clearance with Full Lift, 45 Degree Dump (if max. dump < 45) | mm | 2867 |
| | | in | 112.9 |
| H | Clearance @ Full Lift Fork Level | mm | 3991 |
| | | in | 157.1 |
| I | Reach with Full Lift, 45 Degree Dump (if max. dump < 45) | mm | 1404 |
| | | in | 55.3 |
| J | Reach with Lift Arm Horizontal and Fork Level | mm | 2956 |
| | | in | 116.4 |
| K | Digging Depth | mm | -59 |
| | | in | -2.3 |
| L | Width Over Tines | mm | 2414 |
| | | in | 95.0 |
| M | Reach @ Ground Level | mm | 2252 |
| | | in | 89 |
| N | Max. Opening Across Tine and Clamp | mm | 2493 |
| | | in | 98.1 |
| O | Overall Height of Fork @ Full Lift and Clamp Open | mm | 6690 |
| | | in | 263.4 |
| P | Overall Length Tip of Tine to Rear of Machine | mm | 9130 |
| | | in | 359.5 |
| R | Clearance @ Full Lift and Max. Dump Discharge (if < 45) | mm | 2871 |
| | | in | 113.0 |
| S | Clearance with Horizontal Lift Arms and Fork Level | mm | 19075 |
| | | in | 75.1 |
| T | Reach @ Full Lift and Fork Level | mm | 2088.8 |
| | | in | 82.2 |
| U | Max. Discharge Angle from Horizontal | deg | 45 |
| | | rad | 0.8 |



- ◆ Payload (SAE J1197)
- ◆ Payload (CEN EN 474-3 – Rough Terrain)
- ◆ Payload (CEN EN 474-3 – Firm & Level)
- ◆ Static Tipping Load – Articulated
- ◆ Static Tipping Load – Straight
- ◆ Hydraulic Tilt Capacity
- ◆ Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Triangle (TB516) Tires, Air Conditioning, Ride Control, Power Train Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:

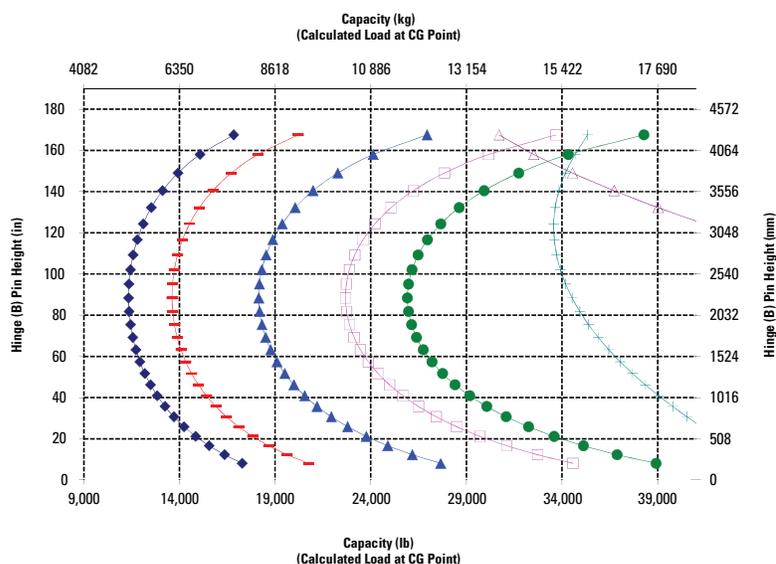
SAE J1197: 50% of full turn static tipping load or hydraulic limit.

CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.

CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN – European Committee for Standardization



966 GC Wheel Loader Specifications

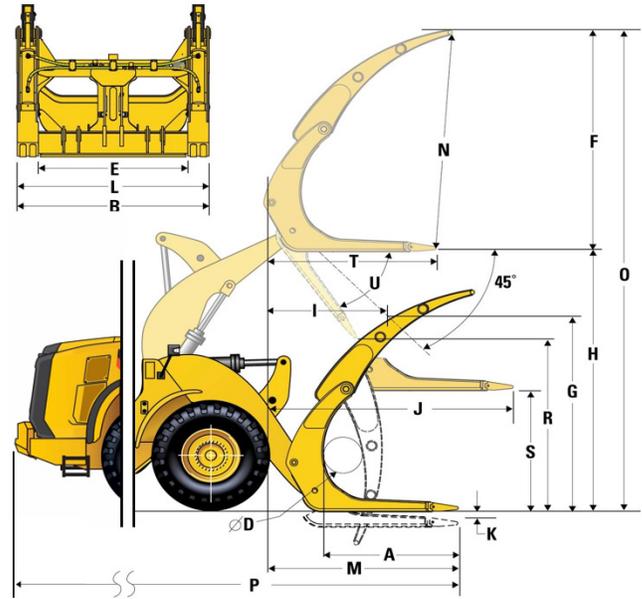
Fork Specifications

Millyard, FUSION

63" Tine
383-3523

Fork Specifications

| | | | |
|----------|--|-----------------|----------|
| A | Tine Length | mm | 1609 |
| | | in | 63.3 |
| B | Fork Width | mm | 2324 |
| | | in | 91.5 |
| | End Area | m ² | 1.26 |
| | | ft ² | 14 |
| C | Inside Height (only applies to double top clamp) | mm | N/A |
| | | in | N/A |
| D | Min. Opening (only applies to millyard forks) | mm | 427 |
| | | in | 17 |
| | Operating Weight | kg | 22 672 |
| | | lb | 49,983 |
| E | Distance Inside of Tine Tips | mm | 1780 |
| | | in | 70 |
| | Static Tipping Load, Articulated Fork Level | kg | 9191 |
| | | lb | 20,263.6 |
| | Static Tipping Load, Straight Fork Level | kg | 10613 |
| | | lb | 23,397.1 |
| F | Max. Height of Fork (with clamp open if applicable) | mm | 2843 |
| | | in | 111.9 |
| G | Clearance with Full Lift, 45 Degree Dump (if max. dump < 45) | mm | 2775 |
| | | in | 109.2 |
| H | Clearance @ Full Lift Fork Level | mm | 3997 |
| | | in | 157.4 |
| I | Reach with Full Lift, 45 Degree Dump (if max. dump < 45) | mm | 1505 |
| | | in | 59.2 |
| J | Reach with Lift Arm Horizontal and Fork Level | mm | 3093 |
| | | in | 121.8 |
| K | Digging Depth | mm | -53 |
| | | in | -2.1 |
| L | Width Over Tines | mm | 2286 |
| | | in | 90.0 |
| M | Reach @ Ground Level | mm | 2384 |
| | | in | 94 |
| N | Max. Opening Across Tine and Clamp | mm | 2709 |
| | | in | 106.7 |
| O | Overall Height of Fork @ Full Lift and Clamp Open | mm | 6840 |
| | | in | 269.3 |
| P | Overall Length Tip of Tine to Rear of Machine | mm | 9262 |
| | | in | 364.6 |
| R | Clearance @ Full Lift and Max. Dump Discharge (if < 45) | mm | 2536 |
| | | in | 99.9 |
| S | Clearance with Horizontal Lift Arms and Fork Level | mm | 1913.2 |
| | | in | 75.3 |
| T | Reach @ Full Lift and Fork Level | mm | 2225.4 |
| | | in | 87.6 |
| U | Max. Discharge Angle from Horizontal | deg | 60 |
| | | rad | 1.0 |



- ◆ Payload (SAE J1197)
- ◆ Payload (CEN EN 474-3 – Rough Terrain)
- ◆ Payload (CEN EN 474-3 – Firm & Level)
- ◆ Static Tipping Load – Articulated
- ◆ Static Tipping Load – Straight
- ◆ Hydraulic Tilt Capacity
- ◆ Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Triangle (TB516) Tires, Air Conditioning, Ride Control, Power Train Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:

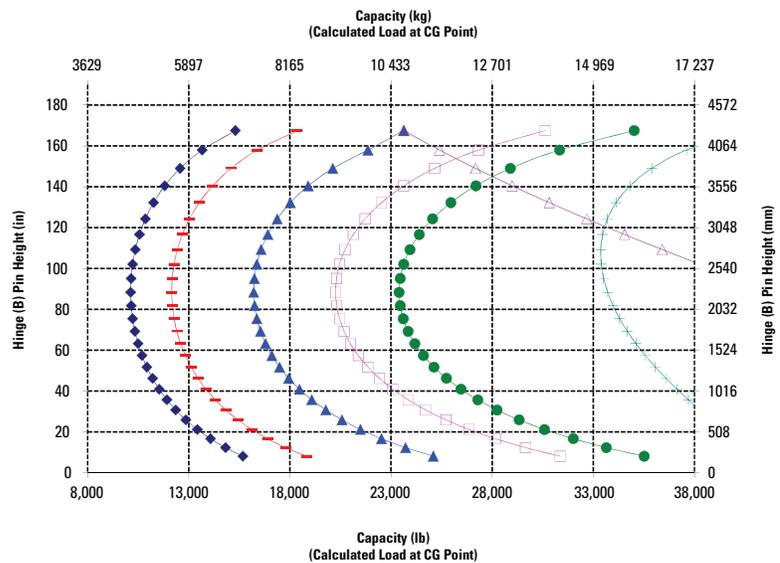
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CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.

CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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966 GC Wheel Loader Specifications

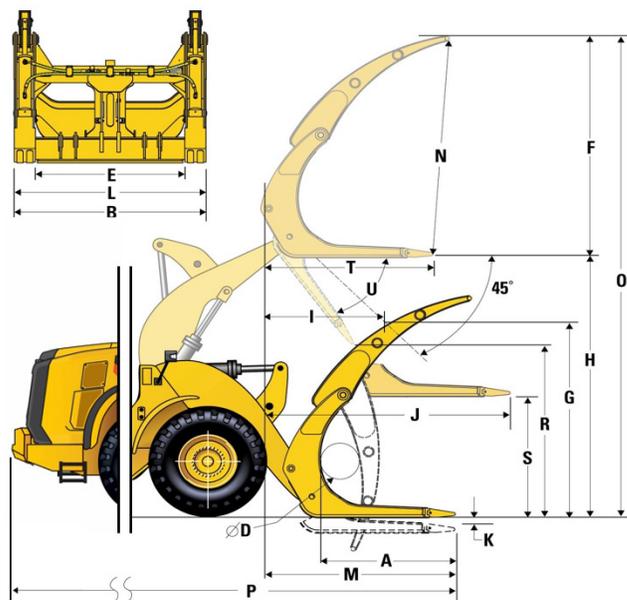
Fork Specifications

Millyard, Pin-On

63" Tine
506-1946

Fork Specifications

| | | | |
|----------|--|-----------------|----------|
| A | Tine Length | mm | 1611 |
| | | in | 63.4 |
| B | Fork Width | mm | 2508 |
| | | in | 98.8 |
| | End Area | m ² | 1.59 |
| | | ft ² | 17 |
| C | Inside Height (only applies to double top clamp) | mm | N/A |
| | | in | N/A |
| D | Min. Opening (only applies to millyard forks) | mm | 662 |
| | | in | 26 |
| | Operating Weight | kg | 22 184 |
| | | lb | 48,907 |
| E | Distance Inside of Tine Tips | mm | 1907 |
| | | in | 75 |
| | Static Tipping Load, Articulated Fork Level | kg | 9740 |
| | | lb | 21,472.8 |
| | Static Tipping Load, Straight Fork Level | kg | 11 187 |
| | | lb | 24,662.2 |
| F | Max. Height of Fork (with clamp open if applicable) | mm | 2805 |
| | | in | 110.4 |
| G | Clearance with Full Lift, 45 Degree Dump (if max. dump < 45) | mm | 2867 |
| | | in | 112.9 |
| H | Clearance @ Full Lift Fork Level | mm | 3991 |
| | | in | 157.1 |
| I | Reach with Full Lift, 45 Degree Dump (if max. dump < 45) | mm | 1404 |
| | | in | 55.3 |
| J | Reach with Lift Arm Horizontal and Fork Level | mm | 2956 |
| | | in | 116.4 |
| K | Digging Depth | mm | -59 |
| | | in | -2.3 |
| L | Width Over Tines | mm | 2413 |
| | | in | 95.0 |
| M | Reach @ Ground Level | mm | 2252 |
| | | in | 89 |
| N | Max. Opening Across Tine and Clamp | mm | 2727 |
| | | in | 107.4 |
| O | Overall Height of Fork @ Full Lift and Clamp Open | mm | 6796 |
| | | in | 267.6 |
| P | Overall Length Tip of Tine to Rear of Machine | mm | 9130 |
| | | in | 359.4 |
| R | Clearance @ Full Lift and Max. Dump Discharge (if < 45) | mm | 2871 |
| | | in | 113.0 |
| S | Clearance with Horizontal Lift Arms and Fork Level | mm | 1907.8 |
| | | in | 75.1 |
| T | Reach @ Full Lift and Fork Level | mm | 2089.0 |
| | | in | 82.2 |
| U | Max. Discharge Angle from Horizontal | deg | 45 |
| | | rad | 0.8 |



- ◆ Payload (SAE J1197)
- ◆ Payload (CEN EN 474-3 – Rough Terrain)
- ◆ Payload (CEN EN 474-3 – Firm & Level)
- ◆ Static Tipping Load – Articulated
- ◆ Static Tipping Load – Straight
- ◆ Hydraulic Tilt Capacity
- ◆ Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Triangle (TB516) Tires, Air Conditioning, Ride Control, Power Train Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:

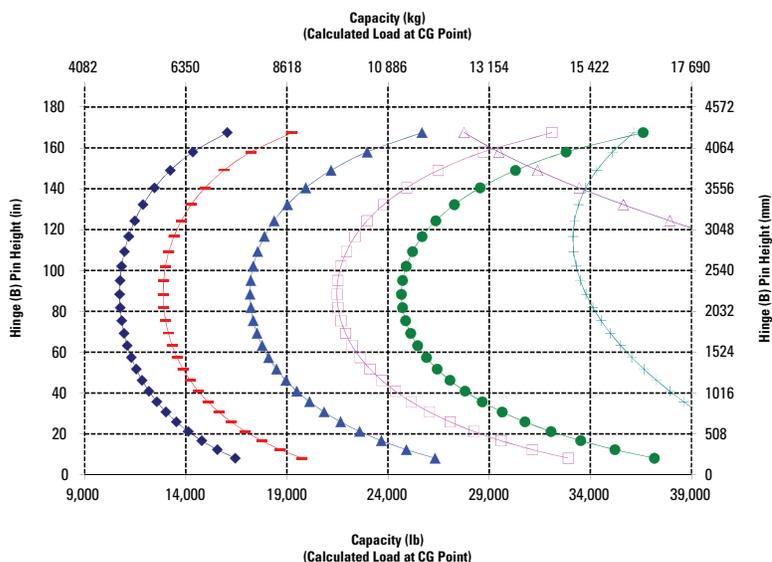
SAE J1197: 50% of full turn static tipping load or hydraulic limit.

CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.

CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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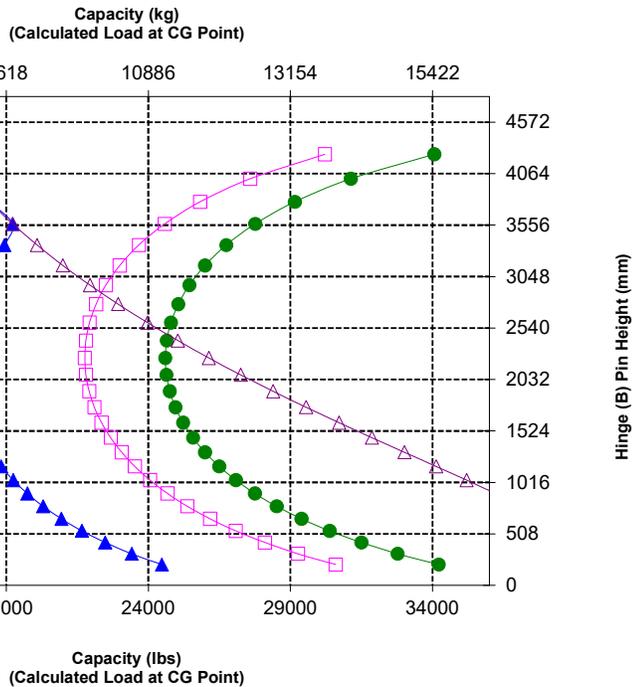
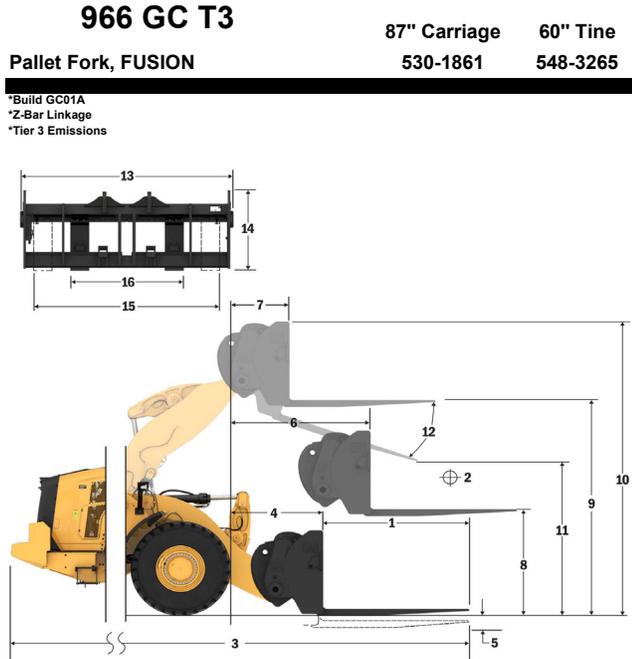
966 GC Wheel Loader Specifications

Fork Specifications

Fork Specifications

| | | | |
|----|---|-----|-------|
| 1 | Tine Length | mm | 1524 |
| | | in | 60.0 |
| 2 | Load Center | mm | 762 |
| | | in | 30.0 |
| | Static Tipping Load - Straight (Forks Level) | kg | 11157 |
| | | lbs | 24589 |
| | Static Tipping Load - Articulated (Forks Level) | kg | 9872 |
| | | lbs | 21757 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kg | 4936 |
| | | lbs | 10878 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | kg | 5923 |
| | | lbs | 13054 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | kg | 7761 |
| | | lbs | 17105 |
| 3 | Maximum Overall Length | mm | 9515 |
| | | in | 374.6 |
| 4 | Reach with Forks at Ground Level | mm | 1113 |
| | | in | 43.8 |
| 5 | *Ground to Bottom of Tine at Minimum Height and Fork Level | mm | -156 |
| | | in | -6.1 |
| 6 | Reach with Arms Horizontal and Forks Level | mm | 1688 |
| | | in | 66.5 |
| 7 | Reach with Fork at Maximum Height | mm | 820 |
| | | in | 32.3 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | mm | 1876 |
| | | in | 73.8 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | mm | 3959 |
| | | in | 155.9 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm | 4734 |
| | | in | 186.4 |
| 11 | Clearance at Full Lift and Max Dump | mm | 2662 |
| | | in | 104.8 |
| 12 | Max Discharge Angle from Horizontal | deg | 43 |
| 13 | Overall Carriage Width | mm | 2217 |
| | | in | 87.3 |
| 14 | Overall Carriage Height | mm | 840 |
| | | in | 33.1 |
| 15 | Outside Tine Width (max spread) | mm | 2070 |
| | | in | 81.5 |
| 16 | Outside Tine Width (min spread) | mm | 470 |
| | | in | 18.5 |
| | Tine Width (single tine) | mm | 150.0 |
| | | in | 5.9 |
| | Tine Thickness | mm | 65.0 |
| | | in | 2.6 |
| | Tine Capacity | kg | 6300 |
| | | lbs | 13885 |
| | Operating Weight | kg | 20855 |
| | | lbs | 45964 |

*Negative values indicate below grade



- ◆ Payload (SAE J1197)
- Payload (CEN EN 474-3 - Rough Terrain)
- ▲ Payload (CEN EN 474-3 - Firm & Level)
- ◻ Static Tipping Load - Articulated
- Static Tipping Load - Straight
- △ Hydraulic Tilt Capacity
- ◊ Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization



WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

966 GC Wheel Loader Specifications

Fork Specifications

Fork Specifications

| | | | |
|----|---|-----|-------|
| 1 | Tine Length | mm | 1830 |
| | | in | 72.0 |
| 2 | Load Center | mm | 915 |
| | | in | 36.0 |
| | Static Tipping Load - Straight (Forks Level) | kq | 10625 |
| | | lbs | 23418 |
| | Static Tipping Load - Articulated (Forks Level) | kq | 9396 |
| | | lbs | 20709 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kq | 4698 |
| | | lbs | 10355 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | kq | 5638 |
| | | lbs | 12426 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | kq | 6825 |
| | | lbs | 15041 |
| 3 | Maximum Overall Length | mm | 9821 |
| | | in | 386.6 |
| 4 | Reach with Forks at Ground Level | mm | 1113 |
| | | in | 43.8 |
| 5 | *Ground to Bottom of Tine at Minimum Height and Fork Level | mm | -156 |
| | | in | -6.1 |
| 6 | Reach with Arms Horizontal and Forks Level | mm | 1688 |
| | | in | 66.5 |
| 7 | Reach with Fork at Maximum Height | mm | 820 |
| | | in | 32.3 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | mm | 1876 |
| | | in | 73.8 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | mm | 3959 |
| | | in | 155.9 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm | 4734 |
| | | in | 186.4 |
| 11 | Clearance at Full Lift and Max Dump | mm | 2454 |
| | | in | 96.6 |
| 12 | Max Discharge Angle from Horizontal | deg | 43 |
| 13 | Overall Carriage Width | mm | 2217 |
| | | in | 87.3 |
| 14 | Overall Carriage Height | mm | 840 |
| | | in | 33.1 |
| 15 | Outside Tine Width (max spread) | mm | 2070 |
| | | in | 81.5 |
| 16 | Outside Tine Width (min spread) | mm | 470 |
| | | in | 18.5 |
| | Tine Width (single tine) | mm | 150.0 |
| | | in | 5.9 |
| | Tine Thickness | mm | 65.0 |
| | | in | 2.6 |
| | Tine Capacity | kq | 5246 |
| | | lbs | 11562 |
| | Operating Weight | kq | 20902 |
| | | lbs | 46068 |

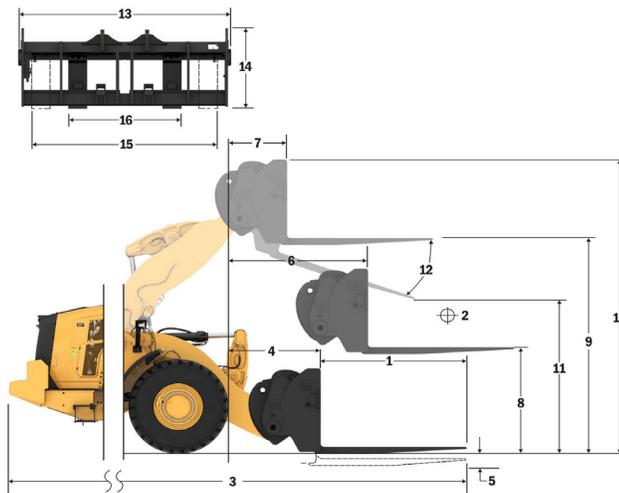
*Negative values indicate below grade

966 GC T3 Pallet Fork, FUSION

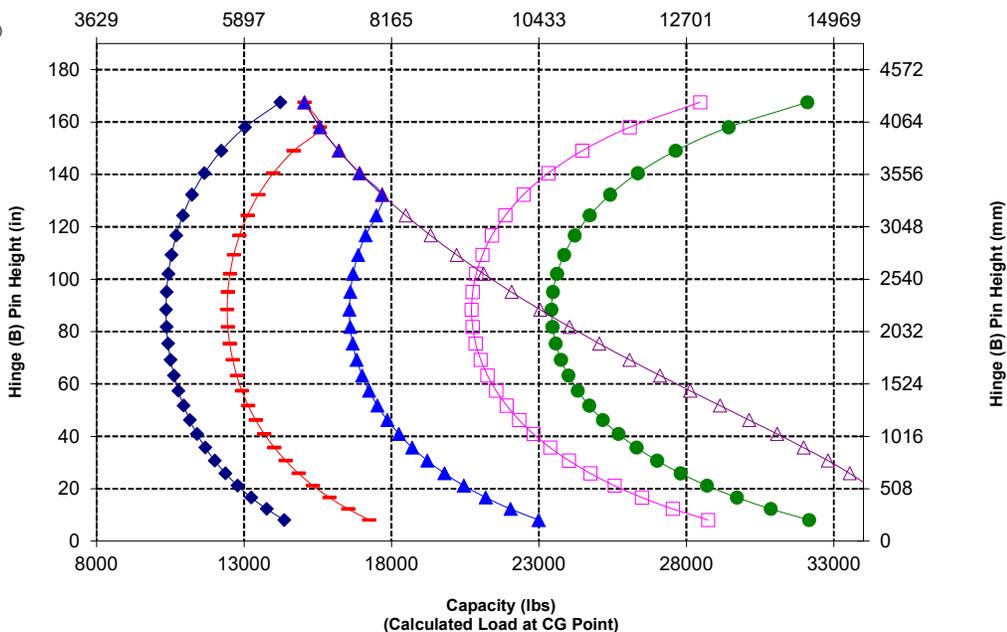
87" Carriage
530-1861

72" Tine
530-1869

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions



Capacity (kg)
(Calculated Load at CG Point)



- ◆ Payload (SAE J1197)
- ◆ Payload (CEN EN 474-3 - Rough Terrain)
- ◆ Payload (CEN EN 474-3 - Firm & Level)
- ◆ Static Tipping Load - Articulated
- ◆ Static Tipping Load - Straight
- ◆ Hydraulic Tilt Capacity
- ◆ Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization



WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

966 GC Wheel Loader Specifications

Fork Specifications

Fork Specifications

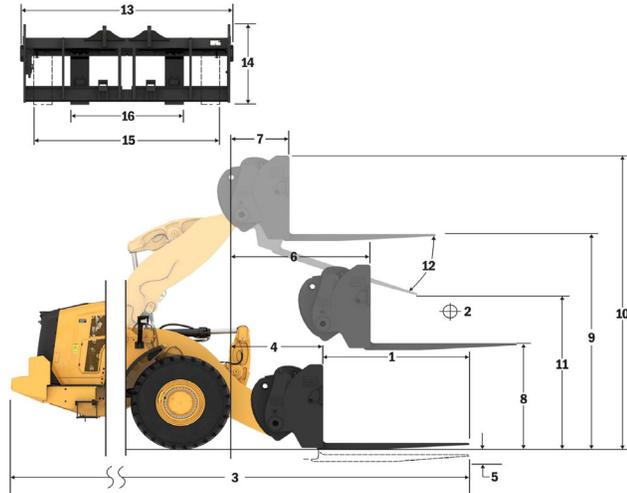
| | | | |
|----|---|-----|-------|
| 1 | Tine Length | mm | 1219 |
| | | in | 48.0 |
| 2 | Load Center | mm | 610 |
| | | in | 24.0 |
| | Static Tipping Load - Straight (Forks Level) | kg | 11479 |
| | | lbs | 25300 |
| | Static Tipping Load - Articulated (Forks Level) | kg | 10129 |
| | | lbs | 22325 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kg | 5065 |
| | | lbs | 11163 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | kg | 6078 |
| | | lbs | 13395 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | kg | 8104 |
| | | lbs | 17860 |
| 3 | Maximum Overall Length | mm | 9160 |
| | | in | 360.6 |
| 4 | Reach with Forks at Ground Level | mm | 1063 |
| | | in | 41.9 |
| 5 | *Ground to Bottom of Tine at Minimum Height and Fork Level | mm | -77 |
| | | in | -3.0 |
| 6 | Reach with Arms Horizontal and Forks Level | mm | 1679 |
| | | in | 66.1 |
| 7 | Reach with Fork at Maximum Height | mm | 812 |
| | | in | 32.0 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | mm | 1980 |
| | | in | 77.9 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | mm | 4063 |
| | | in | 160.0 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm | 5103 |
| | | in | 200.9 |
| 11 | Clearance at Full Lift and Max Dump | mm | 2830 |
| | | in | 111.4 |
| 12 | Max Discharge Angle from Horizontal | deg | 49 |
| 13 | Overall Carriage Width | mm | 2528 |
| | | in | 99.5 |
| 14 | Overall Carriage Height | mm | 1130 |
| | | in | 44.5 |
| 15 | Outside Tine Width (max spread) | mm | 2178 |
| | | in | 85.7 |
| 16 | Outside Tine Width (min spread) | mm | 576 |
| | | in | 22.7 |
| | Tine Width (single tine) | mm | 180.0 |
| | | in | 7.1 |
| | Tine Thickness | mm | 90.0 |
| | | in | 3.5 |
| | Tine Capacity | kg | 22200 |
| | | lbs | 48929 |
| | Operating Weight | kg | 21164 |
| | | lbs | 46645 |

*Negative values indicate below grade

966 GC T3 Construction Fork, FUSION

96" Carriage 48" Tine
520-7957 520-7985

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions



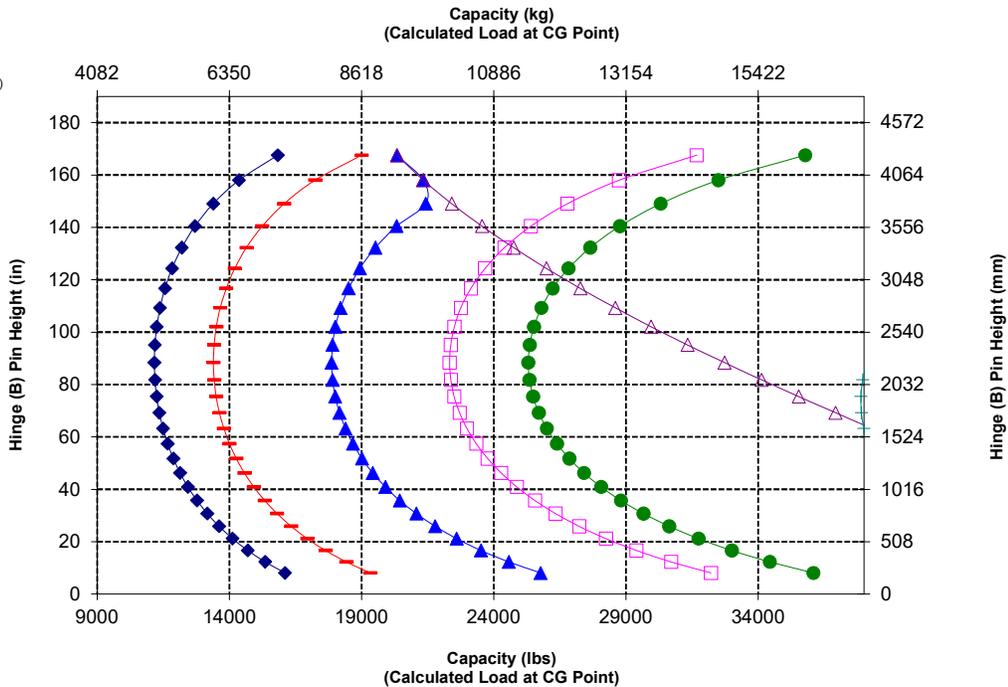
- ◆ Payload (SAE J1197)
- Payload (CEN EN 474-3 - Rough Terrain)
- ▲ Payload (CEN EN 474-3 - Firm & Level)
- ◻ Static Tipping Load - Articulated
- Static Tipping Load - Straight
- △ Hydraulic Tilt Capacity
- ⊕ Hydraulic Lift Capacity

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WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

966 GC Wheel Loader Specifications

Fork Specifications

Fork Specifications

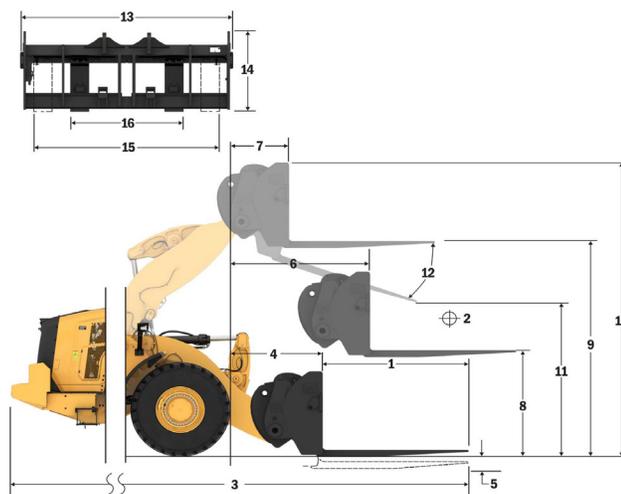
| | | | |
|----|---|-----|-------|
| 1 | Tine Length | mm | 1524 |
| | | in | 60.0 |
| 2 | Load Center | mm | 762 |
| | | in | 30.0 |
| | Static Tipping Load - Straight (Forks Level) | kg | 10893 |
| | | lbs | 24009 |
| | Static Tipping Load - Articulated (Forks Level) | kg | 9604 |
| | | lbs | 21168 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kg | 4802 |
| | | lbs | 10584 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | kg | 5763 |
| | | lbs | 12701 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | kg | 7684 |
| | | lbs | 16934 |
| 3 | Maximum Overall Length | mm | 9465 |
| | | in | 372.6 |
| 4 | Reach with Forks at Ground Level | mm | 1063 |
| | | in | 41.9 |
| 5 | *Ground to Bottom of Tine at Minimum Height and Fork Level | mm | -77 |
| | | in | -3.0 |
| 6 | Reach with Arms Horizontal and Forks Level | mm | 1679 |
| | | in | 66.1 |
| 7 | Reach with Fork at Maximum Height | mm | 812 |
| | | in | 32.0 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | mm | 1980 |
| | | in | 77.9 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | mm | 4063 |
| | | in | 160.0 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm | 5103 |
| | | in | 200.9 |
| 11 | Clearance at Full Lift and Max Dump | mm | 2599 |
| | | in | 102.3 |
| 12 | Max Discharge Angle from Horizontal | deg | 49 |
| 13 | Overall Carriage Width | mm | 2528 |
| | | in | 99.5 |
| 14 | Overall Carriage Height | mm | 1130 |
| | | in | 44.5 |
| 15 | Outside Tine Width (max spread) | mm | 2178 |
| | | in | 85.7 |
| 16 | Outside Tine Width (min spread) | mm | 576 |
| | | in | 22.7 |
| | Tine Width (single tine) | mm | 180.0 |
| | | in | 7.1 |
| | Tine Thickness | mm | 90.0 |
| | | in | 3.5 |
| | Tine Capacity | kg | 17800 |
| | | lbs | 39231 |
| | Operating Weight | kg | 21230 |
| | | lbs | 46791 |

*Negative values indicate below grade

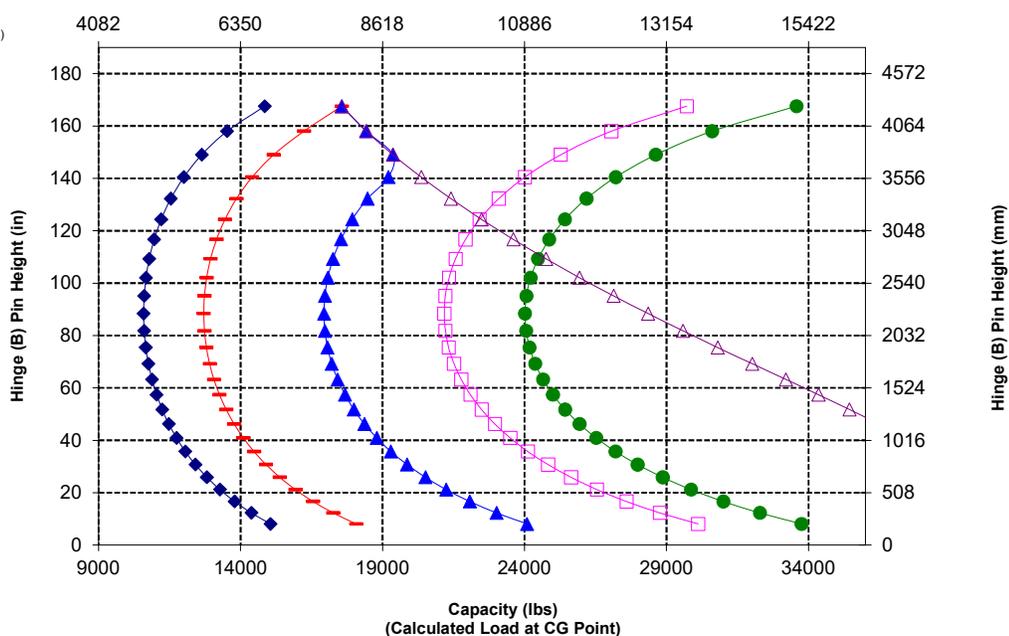
966 GC T3 Construction Fork, FUSION

96" Carriage 60" Tine
520-7957 520-7980

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions



Capacity (kg)
(Calculated Load at CG Point)



WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

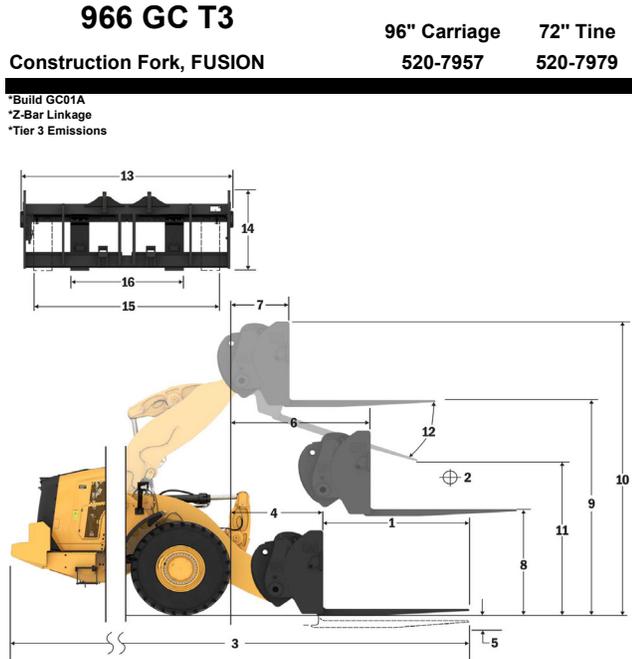
966 GC Wheel Loader Specifications

Fork Specifications

Fork Specifications

| | | | |
|----|---|-----|-------|
| 1 | Tine Length | mm | 1829 |
| | | in | 72.0 |
| 2 | Load Center | mm | 915 |
| | | in | 36.0 |
| | Static Tipping Load - Straight (Forks Level) | kg | 10356 |
| | | lbs | 22825 |
| | Static Tipping Load - Articulated (Forks Level) | kg | 9123 |
| | | lbs | 20107 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kg | 4562 |
| | | lbs | 10054 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | kg | 5474 |
| | | lbs | 12064 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | kg | 6981 |
| | | lbs | 15387 |
| 3 | Maximum Overall Length | mm | 9770 |
| | | in | 384.7 |
| 4 | Reach with Forks at Ground Level | mm | 1063 |
| | | in | 41.9 |
| 5 | *Ground to Bottom of Tine at Minimum Height and Fork Level | mm | -77 |
| | | in | -3.0 |
| 6 | Reach with Arms Horizontal and Forks Level | mm | 1679 |
| | | in | 66.1 |
| 7 | Reach with Fork at Maximum Height | mm | 812 |
| | | in | 32.0 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | mm | 1980 |
| | | in | 77.9 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | mm | 4063 |
| | | in | 160.0 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm | 5103 |
| | | in | 200.9 |
| 11 | Clearance at Full Lift and Max Dump | mm | 2369 |
| | | in | 93.3 |
| 12 | Max Discharge Angle from Horizontal | deg | 49 |
| 13 | Overall Carriage Width | mm | 2528 |
| | | in | 99.5 |
| 14 | Overall Carriage Height | mm | 1130 |
| | | in | 44.5 |
| 15 | Outside Tine Width (max spread) | mm | 2178 |
| | | in | 85.7 |
| 16 | Outside Tine Width (min spread) | mm | 576 |
| | | in | 22.7 |
| | Tine Width (single tine) | mm | 180.0 |
| | | in | 7.1 |
| | Tine Thickness | mm | 90.0 |
| | | in | 3.5 |
| | Tine Capacity | kg | 14800 |
| | | lbs | 32619 |
| | Operating Weight | kg | 21291 |
| | | lbs | 46925 |

*Negative values indicate below grade



*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions

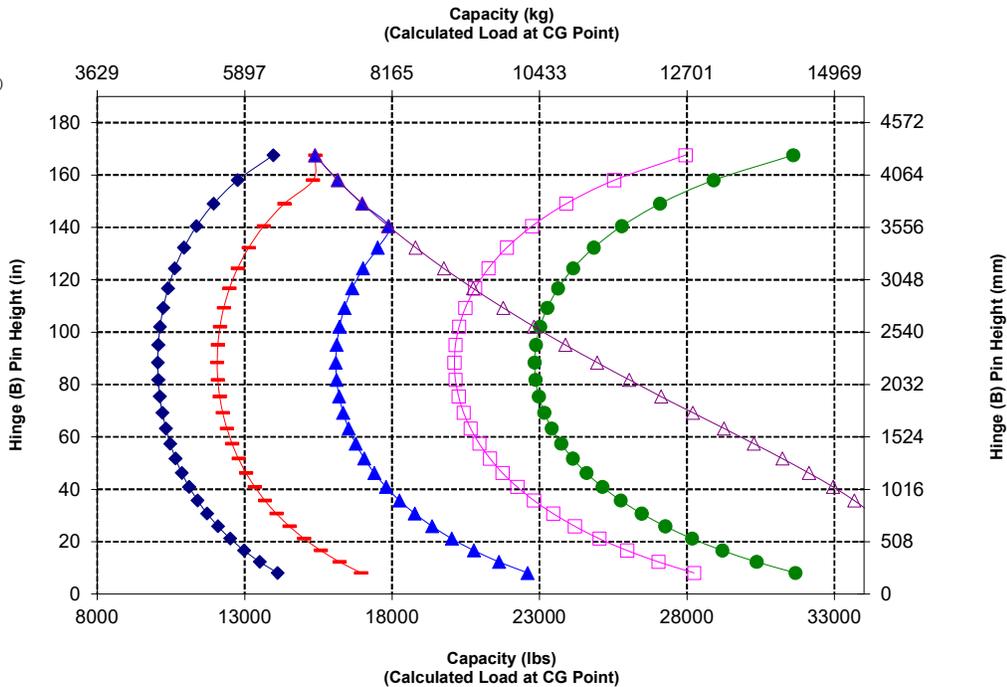
- ◆ Payload (SAE J1197)
- Payload (CEN EN 474-3 - Rough Terrain)
- ▲ Payload (CEN EN 474-3 - Firm & Level)
- Static Tipping Load - Articulated
- Static Tipping Load - Straight
- △ Hydraulic Tilt Capacity
- ⊕ Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization



WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

966 GC Wheel Loader Specifications

Fork Specifications

Fork Specifications

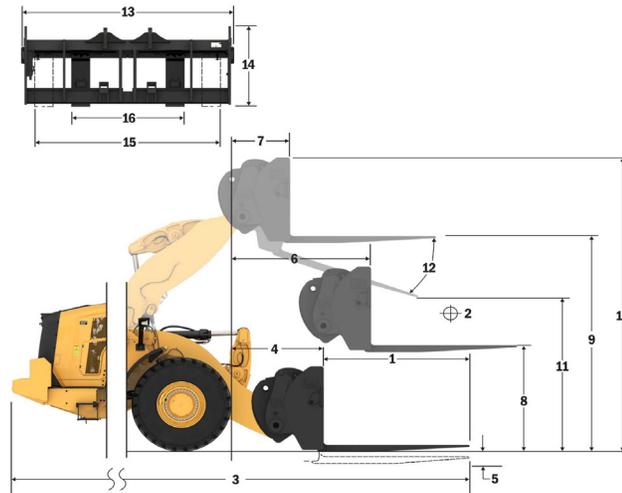
| | | | |
|----|---|-----|-------|
| 1 | Tine Length | mm | 2134 |
| | | in | 84.0 |
| 2 | Load Center | mm | 1067 |
| | | in | 42.0 |
| | Static Tipping Load - Straight (Forks Level) | kq | 9857 |
| | | lbs | 21724 |
| | Static Tipping Load - Articulated (Forks Level) | kq | 8675 |
| | | lbs | 19120 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kq | 4338 |
| | | lbs | 9560 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | kq | 5205 |
| | | lbs | 11472 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | kq | 6188 |
| | | lbs | 13637 |
| 3 | Maximum Overall Length | mm | 10075 |
| | | in | 396.7 |
| 4 | Reach with Forks at Ground Level | mm | 1063 |
| | | in | 41.9 |
| 5 | *Ground to Bottom of Tine at Minimum Height and Fork Level | mm | -77 |
| | | in | -3.0 |
| 6 | Reach with Arms Horizontal and Forks Level | mm | 1679 |
| | | in | 66.1 |
| 7 | Reach with Fork at Maximum Height | mm | 812 |
| | | in | 32.0 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | mm | 1980 |
| | | in | 77.9 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | mm | 4063 |
| | | in | 160.0 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm | 5103 |
| | | in | 200.9 |
| 11 | Clearance at Full Lift and Max Dump | mm | 2138 |
| | | in | 84.2 |
| 12 | Max Discharge Angle from Horizontal | deg | 49 |
| 13 | Overall Carriage Width | mm | 2528 |
| | | in | 99.5 |
| 14 | Overall Carriage Height | mm | 1130 |
| | | in | 44.5 |
| 15 | Outside Tine Width (max spread) | mm | 2178 |
| | | in | 85.7 |
| 16 | Outside Tine Width (min spread) | mm | 576 |
| | | in | 22.7 |
| | Tine Width (single tine) | mm | 180.0 |
| | | in | 7.1 |
| | Tine Thickness | mm | 90.0 |
| | | in | 3.5 |
| | Tine Capacity | kq | 12700 |
| | | lbs | 27991 |
| | Operating Weight | kq | 21354 |
| | | lbs | 47064 |

*Negative values indicate below grade

966 GC T3 Construction Fork, FUSION

96" Carriage 84" Tine
520-7957 520-7986

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions



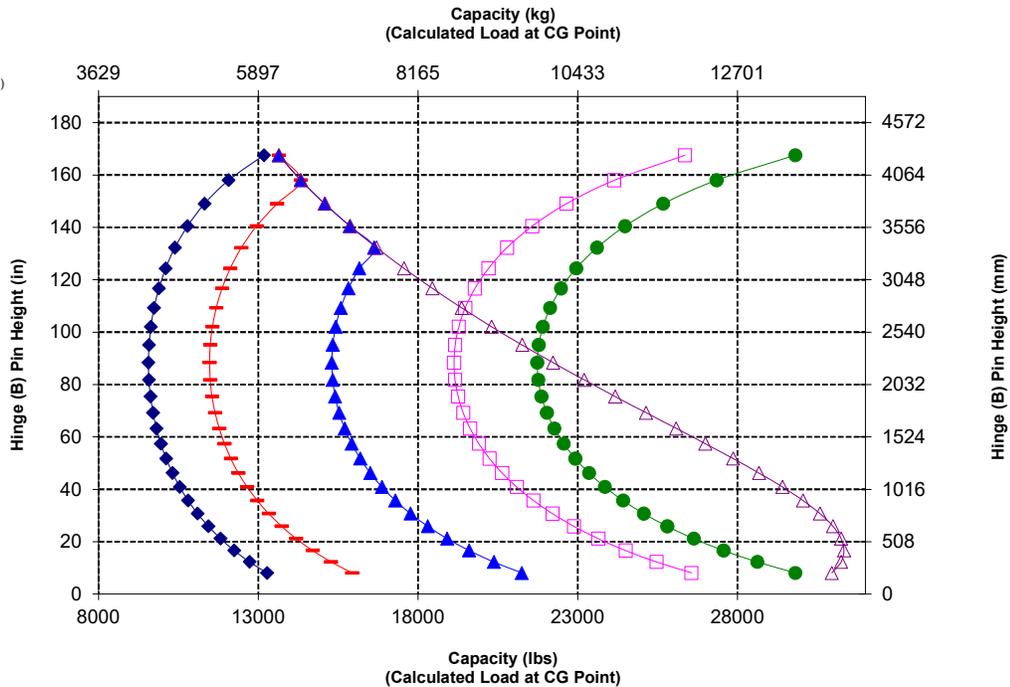
- ◆ Payload (SAE J1197)
- Payload (CEN EN 474-3 - Rough Terrain)
- ▲ Payload (CEN EN 474-3 - Firm & Level)
- ◻ Static Tipping Load - Articulated
- Static Tipping Load - Straight
- △ Hydraulic Tilt Capacity
- Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TBS16 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization



WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

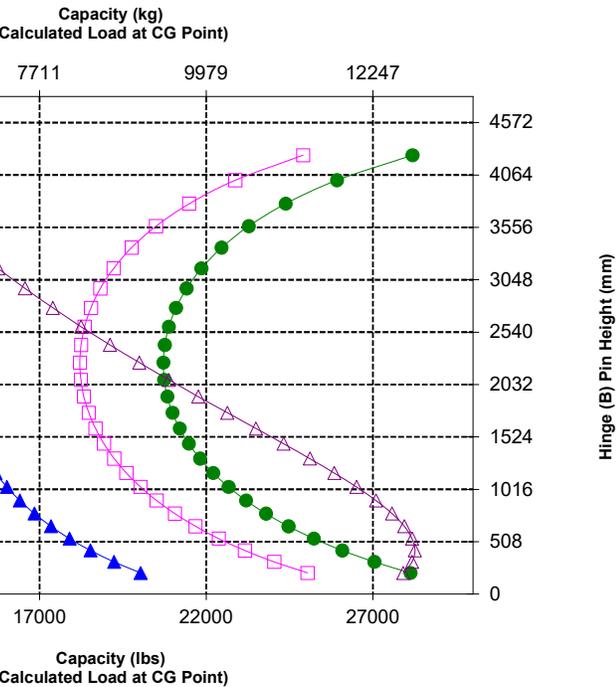
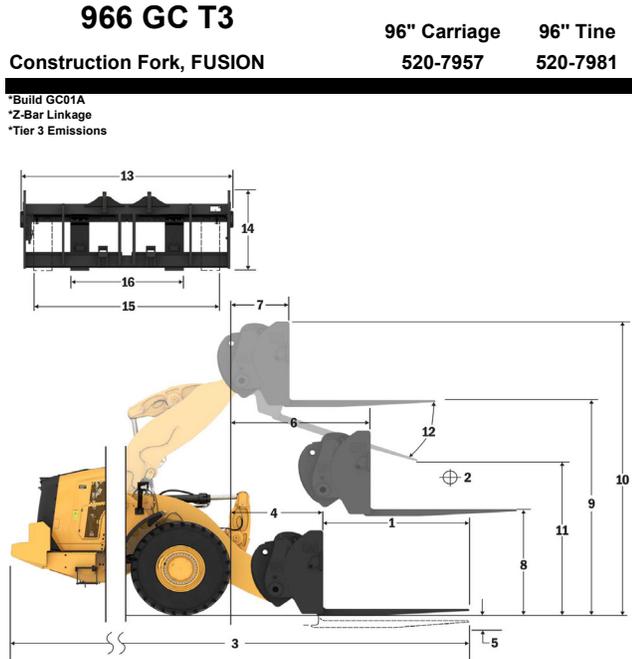
966 GC Wheel Loader Specifications

Fork Specifications

Fork Specifications

| | | | |
|----|---|-----|-------|
| 1 | Tine Length | mm | 2438 |
| | | in | 96.0 |
| 2 | Load Center | mm | 1219 |
| | | in | 48.0 |
| | Static Tipping Load - Straight (Forks Level) | kg | 9395 |
| | | lbs | 20706 |
| | Static Tipping Load - Articulated (Forks Level) | kg | 8260 |
| | | lbs | 18206 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kg | 4130 |
| | | lbs | 9103 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | kg | 4956 |
| | | lbs | 10923 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | kg | 5535 |
| | | lbs | 12200 |
| 3 | Maximum Overall Length | mm | 10379 |
| | | in | 408.6 |
| 4 | Reach with Forks at Ground Level | mm | 1063 |
| | | in | 41.9 |
| 5 | *Ground to Bottom of Tine at Minimum Height and Fork Level | mm | -77 |
| | | in | -3.0 |
| 6 | Reach with Arms Horizontal and Forks Level | mm | 1679 |
| | | in | 66.1 |
| 7 | Reach with Fork at Maximum Height | mm | 812 |
| | | in | 32.0 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | mm | 1980 |
| | | in | 77.9 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | mm | 4063 |
| | | in | 160.0 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm | 5103 |
| | | in | 200.9 |
| 11 | Clearance at Full Lift and Max Dump | mm | 1909 |
| | | in | 75.1 |
| 12 | Max Discharge Angle from Horizontal | deg | 49 |
| 13 | Overall Carriage Width | mm | 2528 |
| | | in | 99.5 |
| 14 | Overall Carriage Height | mm | 1130 |
| | | in | 44.5 |
| 15 | Outside Tine Width (max spread) | mm | 2178 |
| | | in | 85.7 |
| 16 | Outside Tine Width (min spread) | mm | 576 |
| | | in | 22.7 |
| | Tine Width (single tine) | mm | 180.0 |
| | | in | 7.1 |
| | Tine Thickness | mm | 90.0 |
| | | in | 3.5 |
| | Tine Capacity | kg | 11300 |
| | | lbs | 24905 |
| | Operating Weight | kg | 21416 |
| | | lbs | 47201 |

*Negative values indicate below grade



- ◆ Payload (SAE J1197)
- Payload (CEN EN 474-3 - Rough Terrain)
- ▲ Payload (CEN EN 474-3 - Firm & Level)
- ◻ Static Tipping Load - Articulated
- Static Tipping Load - Straight
- △ Hydraulic Tilt Capacity
- ⊕ Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers

**CEN - European Committee for Standardization



WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

966 GC Wheel Loader Specifications

Fork Specifications

Fork Specifications

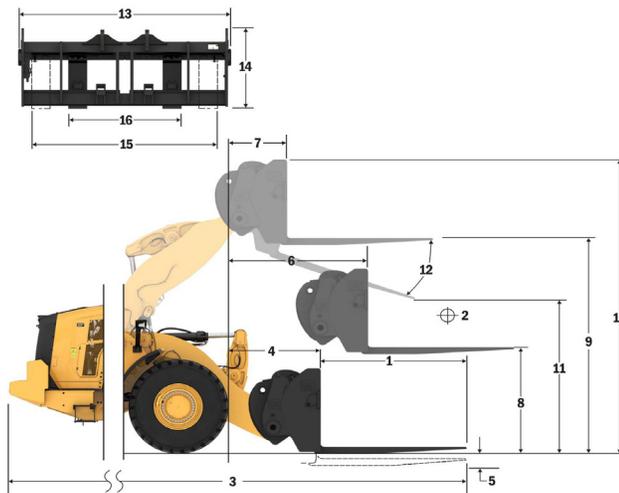
| | | | |
|----|---|-----|-------|
| 1 | Tine Length | mm | 1219 |
| | | in | 48.0 |
| 2 | Load Center | mm | 610 |
| | | in | 24.0 |
| | Static Tipping Load - Straight (Forks Level) | kq | 11439 |
| | | lbs | 25211 |
| | Static Tipping Load - Articulated (Forks Level) | kq | 10089 |
| | | lbs | 22236 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kq | 5044 |
| | | lbs | 11118 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | kq | 6053 |
| | | lbs | 13342 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | kq | 8071 |
| | | lbs | 17789 |
| 3 | Maximum Overall Length | mm | 9160 |
| | | in | 360.6 |
| 4 | Reach with Forks at Ground Level | mm | 1063 |
| | | in | 41.9 |
| 5 | *Ground to Bottom of Tine at Minimum Height and Fork Level | mm | -77 |
| | | in | -3.0 |
| 6 | Reach with Arms Horizontal and Forks Level | mm | 1679 |
| | | in | 66.1 |
| 7 | Reach with Fork at Maximum Height | mm | 812 |
| | | in | 32.0 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | mm | 1980 |
| | | in | 77.9 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | mm | 4063 |
| | | in | 160.0 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm | 5103 |
| | | in | 200.9 |
| 11 | Clearance at Full Lift and Max Dump | mm | 2830 |
| | | in | 111.4 |
| 12 | Max Discharge Angle from Horizontal | deg | 49 |
| 13 | Overall Carriage Width | mm | 2833 |
| | | in | 111.5 |
| 14 | Overall Carriage Height | mm | 1130 |
| | | in | 44.5 |
| 15 | Outside Tine Width (max spread) | mm | 2493 |
| | | in | 98.1 |
| 16 | Outside Tine Width (min spread) | mm | 590 |
| | | in | 23.2 |
| | Tine Width (single tine) | mm | 180.0 |
| | | in | 7.1 |
| | Tine Thickness | mm | 90.0 |
| | | in | 3.5 |
| | Tine Capacity | kq | 22200 |
| | | lbs | 48929 |
| | Operating Weight | kq | 21217 |
| | | lbs | 46762 |

*Negative values indicate below grade

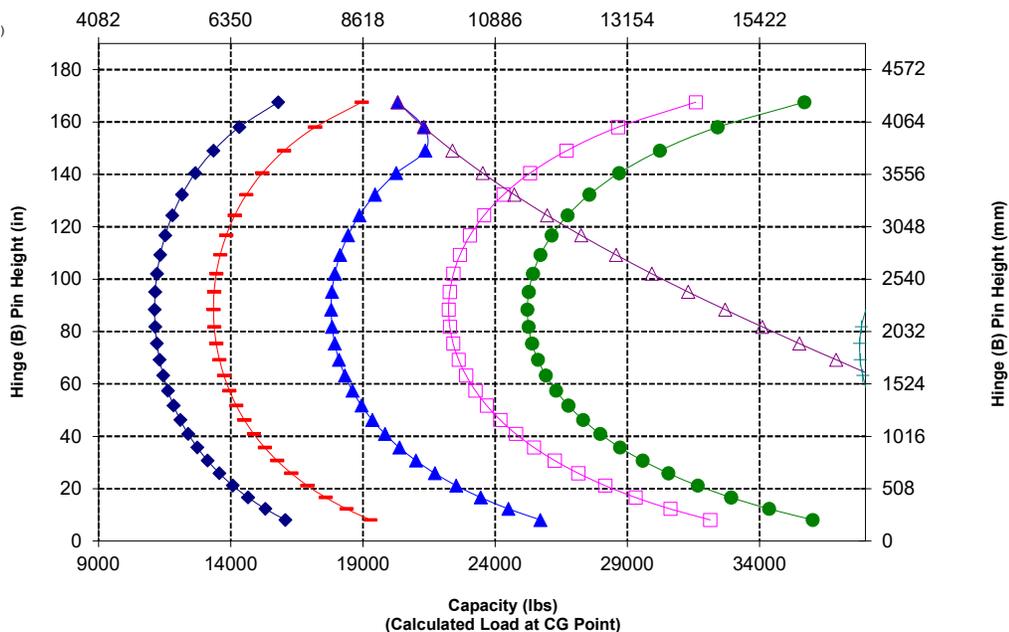
966 GC T3 Construction Fork, FUSION

108" Carriage 48" Tine
520-7968 520-7985

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions



Capacity (kg)
(Calculated Load at CG Point)



NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TBS16 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization



WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

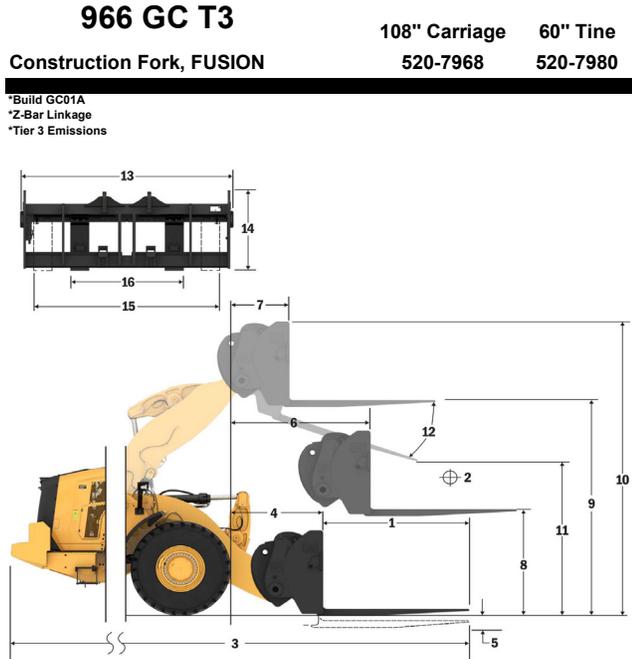
966 GC Wheel Loader Specifications

Fork Specifications

Fork Specifications

| | | | |
|----|---|-----|-------|
| 1 | Tine Length | mm | 1524 |
| | | in | 60.0 |
| 2 | Load Center | mm | 762 |
| | | in | 30.0 |
| | Static Tipping Load - Straight (Forks Level) | kg | 10858 |
| | | lbs | 23931 |
| | Static Tipping Load - Articulated (Forks Level) | kg | 9569 |
| | | lbs | 21091 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kg | 4785 |
| | | lbs | 10545 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | kg | 5742 |
| | | lbs | 12655 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | kg | 7655 |
| | | lbs | 16873 |
| 3 | Maximum Overall Length | mm | 9465 |
| | | in | 372.6 |
| 4 | Reach with Forks at Ground Level | mm | 1063 |
| | | in | 41.9 |
| 5 | *Ground to Bottom of Tine at Minimum Height and Fork Level | mm | -77 |
| | | in | -3.0 |
| 6 | Reach with Arms Horizontal and Forks Level | mm | 1679 |
| | | in | 66.1 |
| 7 | Reach with Fork at Maximum Height | mm | 812 |
| | | in | 32.0 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | mm | 1980 |
| | | in | 77.9 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | mm | 4063 |
| | | in | 160.0 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm | 5103 |
| | | in | 200.9 |
| 11 | Clearance at Full Lift and Max Dump | mm | 2599 |
| | | in | 102.3 |
| 12 | Max Discharge Angle from Horizontal | deg | 49 |
| 13 | Overall Carriage Width | mm | 2833 |
| | | in | 111.5 |
| 14 | Overall Carriage Height | mm | 1130 |
| | | in | 44.5 |
| 15 | Outside Tine Width (max spread) | mm | 2483 |
| | | in | 97.8 |
| 16 | Outside Tine Width (min spread) | mm | 590 |
| | | in | 23.2 |
| | Tine Width (single tine) | mm | 180.0 |
| | | in | 7.1 |
| | Tine Thickness | mm | 90.0 |
| | | in | 3.5 |
| | Tine Capacity | kg | 17800 |
| | | lbs | 39231 |
| | Operating Weight | kg | 21279 |
| | | lbs | 46899 |

*Negative values indicate below grade



966 GC T3
Construction Fork, FUSION
108" Carriage 60" Tine
520-7968 520-7980

*Build GC01A
 *Z-Bar Linkage
 *Tier 3 Emissions

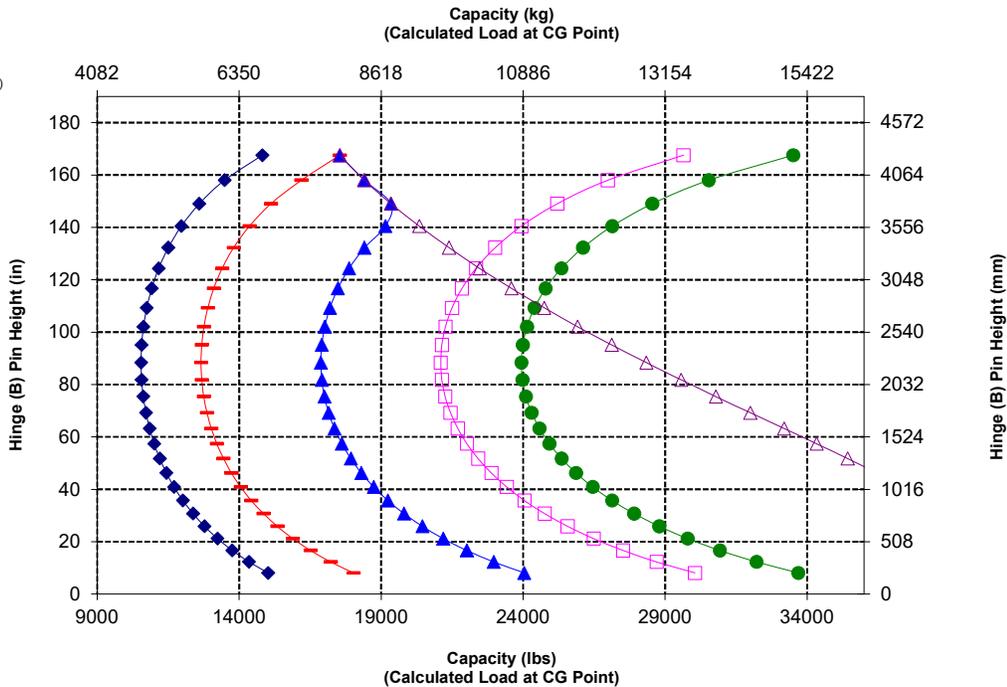
- ◆ Payload (SAE J1197)
- Payload (CEN EN 474-3 - Rough Terrain)
- ▲ Payload (CEN EN 474-3 - Firm & Level)
- ◻ Static Tipping Load - Articulated
- Static Tipping Load - Straight
- △ Hydraulic Tilt Capacity
- ⊕ Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
 SAE J1197: 50% of full turn static tipping load or hydraulic limit.
 CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
 CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
 **CEN - European Committee for Standardization



WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

966 GC Wheel Loader Specifications

Fork Specifications

Fork Specifications

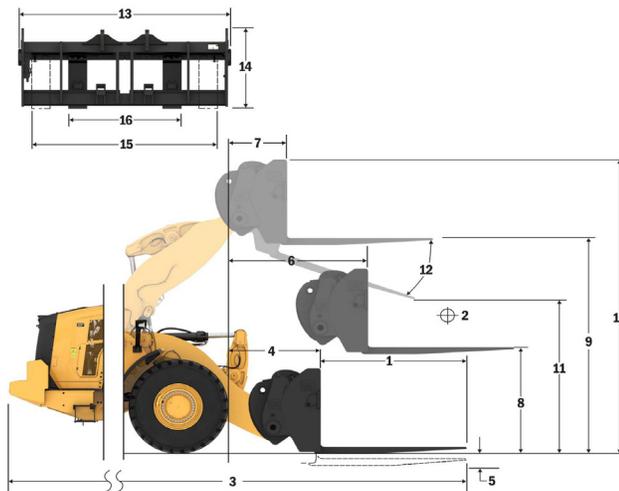
| | | | |
|----|---|-----|-------|
| 1 | Tine Length | mm | 1829 |
| | | in | 72.0 |
| 2 | Load Center | mm | 915 |
| | | in | 36.0 |
| | Static Tipping Load - Straight (Forks Level) | kg | 10321 |
| | | lbs | 22748 |
| | Static Tipping Load - Articulated (Forks Level) | kg | 9088 |
| | | lbs | 20031 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kg | 4544 |
| | | lbs | 10015 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | kg | 5453 |
| | | lbs | 12019 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | kg | 6973 |
| | | lbs | 15369 |
| 3 | Maximum Overall Length | mm | 9770 |
| | | in | 384.7 |
| 4 | Reach with Forks at Ground Level | mm | 1063 |
| | | in | 41.9 |
| 5 | *Ground to Bottom of Tine at Minimum Height and Fork Level | mm | -77 |
| | | in | -3.0 |
| 6 | Reach with Arms Horizontal and Forks Level | mm | 1679 |
| | | in | 66.1 |
| 7 | Reach with Fork at Maximum Height | mm | 812 |
| | | in | 32.0 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | mm | 1980 |
| | | in | 77.9 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | mm | 4063 |
| | | in | 160.0 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm | 5103 |
| | | in | 200.9 |
| 11 | Clearance at Full Lift and Max Dump | mm | 2369 |
| | | in | 93.3 |
| 12 | Max Discharge Angle from Horizontal | deg | 49 |
| 13 | Overall Carriage Width | mm | 2833 |
| | | in | 111.5 |
| 14 | Overall Carriage Height | mm | 1130 |
| | | in | 44.5 |
| 15 | Outside Tine Width (max spread) | mm | 2483 |
| | | in | 97.8 |
| 16 | Outside Tine Width (min spread) | mm | 590 |
| | | in | 23.2 |
| | Tine Width (single tine) | mm | 180.0 |
| | | in | 7.1 |
| | Tine Thickness | mm | 90.0 |
| | | in | 3.5 |
| | Tine Capacity | kg | 14800 |
| | | lbs | 32619 |
| | Operating Weight | kg | 21341 |
| | | lbs | 47036 |

*Negative values indicate below grade

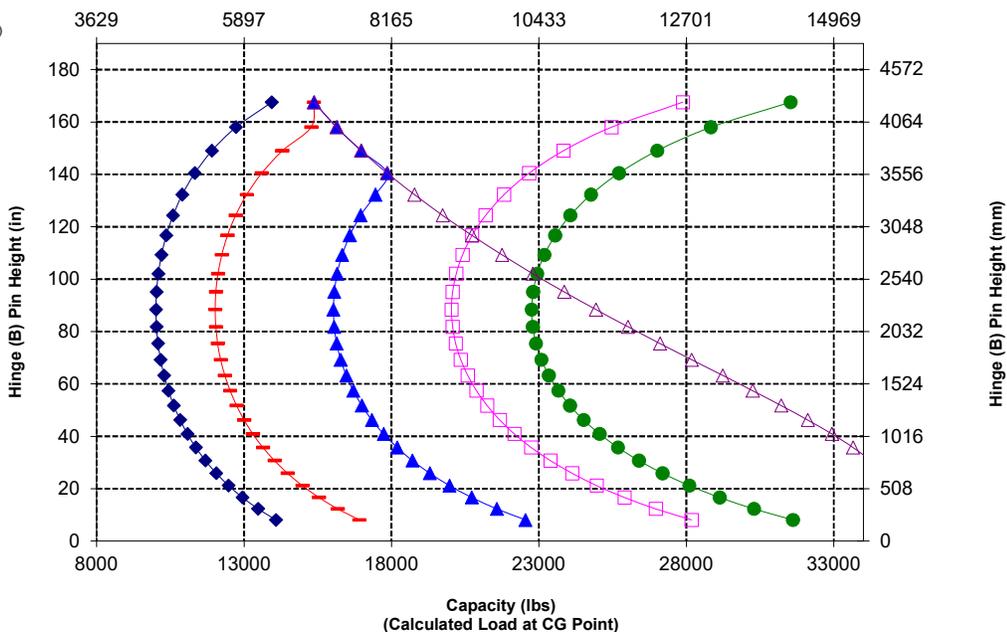
966 GC T3 Construction Fork, FUSION

108" Carriage 72" Tine
520-7968 520-7979

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions



Capacity (kg)
(Calculated Load at CG Point)



WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

966 GC Wheel Loader Specifications

Fork Specifications

Fork Specifications

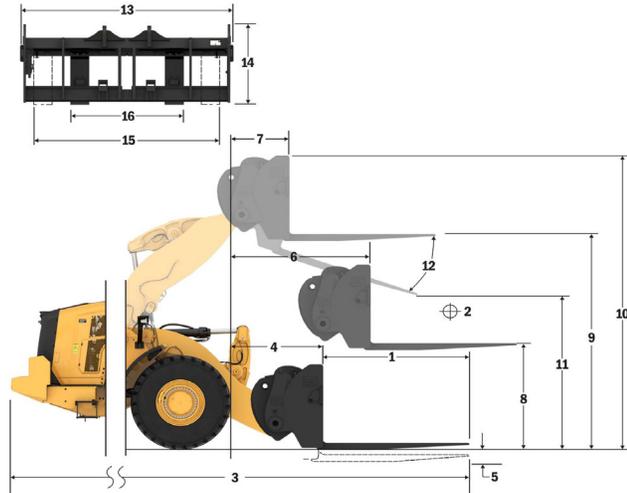
| | | | |
|----|---|-----|-------|
| 1 | Tine Length | mm | 2134 |
| | | in | 84.0 |
| 2 | Load Center | mm | 1067 |
| | | in | 42.0 |
| | Static Tipping Load - Straight (Forks Level) | kg | 9824 |
| | | lbs | 21653 |
| | Static Tipping Load - Articulated (Forks Level) | kg | 8643 |
| | | lbs | 19049 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kg | 4321 |
| | | lbs | 9524 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | kg | 5186 |
| | | lbs | 11429 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | kg | 6181 |
| | | lbs | 13623 |
| 3 | Maximum Overall Length | mm | 10075 |
| | | in | 396.7 |
| 4 | Reach with Forks at Ground Level | mm | 1063 |
| | | in | 41.9 |
| 5 | *Ground to Bottom of Tine at Minimum Height and Fork Level | mm | -77 |
| | | in | -3.0 |
| 6 | Reach with Arms Horizontal and Forks Level | mm | 1679 |
| | | in | 66.1 |
| 7 | Reach with Fork at Maximum Height | mm | 812 |
| | | in | 32.0 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | mm | 1980 |
| | | in | 77.9 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | mm | 4063 |
| | | in | 160.0 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm | 5103 |
| | | in | 200.9 |
| 11 | Clearance at Full Lift and Max Dump | mm | 2138 |
| | | in | 84.2 |
| 12 | Max Discharge Angle from Horizontal | deg | 49 |
| 13 | Overall Carriage Width | mm | 2833 |
| | | in | 111.5 |
| 14 | Overall Carriage Height | mm | 1130 |
| | | in | 44.5 |
| 15 | Outside Tine Width (max spread) | mm | 2483 |
| | | in | 97.8 |
| 16 | Outside Tine Width (min spread) | mm | 590 |
| | | in | 23.2 |
| | Tine Width (single tine) | mm | 180.0 |
| | | in | 7.1 |
| | Tine Thickness | mm | 90.0 |
| | | in | 3.5 |
| | Tine Capacity | kg | 12700 |
| | | lbs | 27991 |
| | Operating Weight | kg | 21403 |
| | | lbs | 47172 |

*Negative values indicate below grade

966 GC T3 Construction Fork, FUSION

108" Carriage 84" Tine
520-7968 520-7986

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions



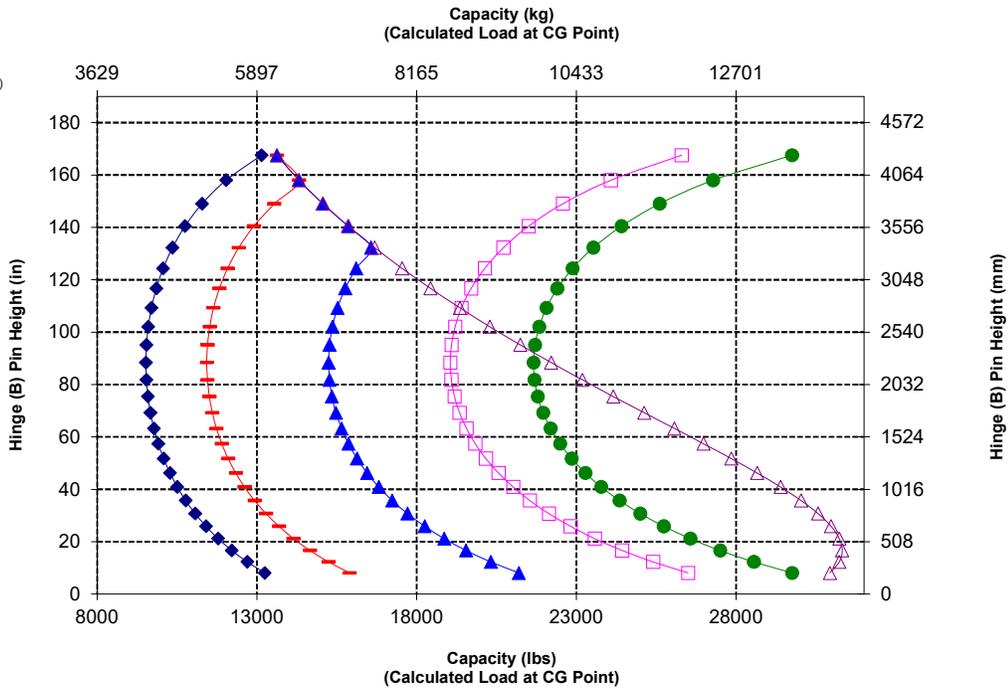
- ◆ Payload (SAE J1197)
- Payload (CEN EN 474-3 - Rough Terrain)
- ▲ Payload (CEN EN 474-3 - Firm & Level)
- ◻ Static Tipping Load - Articulated
- Static Tipping Load - Straight
- △ Hydraulic Tilt Capacity
- ⊕ Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization



WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

966 GC Wheel Loader Specifications

Fork Specifications

Fork Specifications

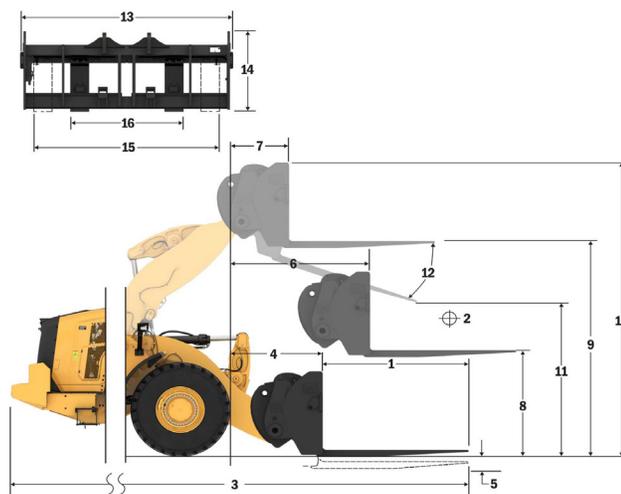
| | | | |
|----|---|-----|-------|
| 1 | Tine Length | mm | 2438 |
| | | in | 96.0 |
| 2 | Load Center | mm | 1219 |
| | | in | 48.0 |
| | Static Tipping Load - Straight (Forks Level) | kq | 9363 |
| | | lbs | 20636 |
| | Static Tipping Load - Articulated (Forks Level) | kq | 8228 |
| | | lbs | 18136 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kq | 4114 |
| | | lbs | 9068 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | kq | 4937 |
| | | lbs | 10881 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | kq | 5529 |
| | | lbs | 12185 |
| 3 | Maximum Overall Length | mm | 10379 |
| | | in | 408.6 |
| 4 | Reach with Forks at Ground Level | mm | 1063 |
| | | in | 41.9 |
| 5 | *Ground to Bottom of Tine at Minimum Height and Fork Level | mm | -77 |
| | | in | -3.0 |
| 6 | Reach with Arms Horizontal and Forks Level | mm | 1679 |
| | | in | 66.1 |
| 7 | Reach with Fork at Maximum Height | mm | 812 |
| | | in | 32.0 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | mm | 1980 |
| | | in | 77.9 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | mm | 4063 |
| | | in | 160.0 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm | 5103 |
| | | in | 200.9 |
| 11 | Clearance at Full Lift and Max Dump | mm | 1909 |
| | | in | 75.1 |
| 12 | Max Discharge Angle from Horizontal | deg | 49 |
| 13 | Overall Carriage Width | mm | 2833 |
| | | in | 111.5 |
| 14 | Overall Carriage Height | mm | 1130 |
| | | in | 44.5 |
| 15 | Outside Tine Width (max spread) | mm | 2483 |
| | | in | 97.8 |
| 16 | Outside Tine Width (min spread) | mm | 590 |
| | | in | 23.2 |
| | Tine Width (single tine) | mm | 180.0 |
| | | in | 7.1 |
| | Tine Thickness | mm | 90.0 |
| | | in | 3.5 |
| | Tine Capacity | kq | 11300 |
| | | lbs | 24905 |
| | Operating Weight | kq | 21466 |
| | | lbs | 47311 |

*Negative values indicate below grade

966 GC T3 Construction Fork, FUSION

108" Carriage 96" Tine
520-7968 520-7981

*Build GC01A
*Z-Bar Linkage
*Tier 3 Emissions



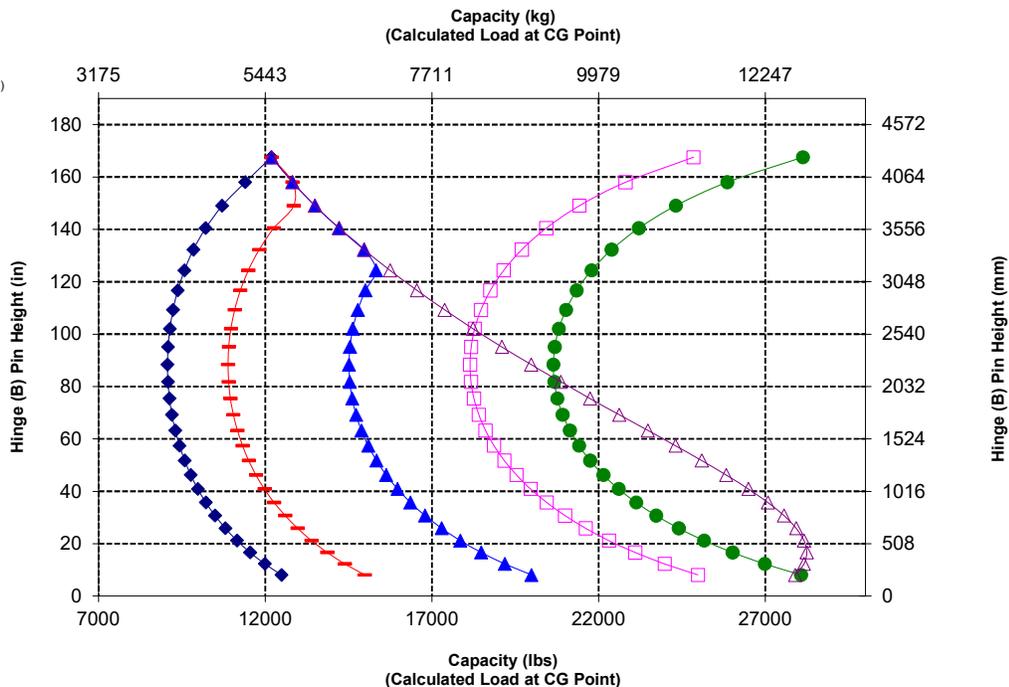
- ◆ Payload (SAE J1197)
- Payload (CEN EN 474-3 - Rough Terrain)
- ▲ Payload (CEN EN 474-3 - Firm & Level)
- ◻ Static Tipping Load - Articulated
- Static Tipping Load - Straight
- △ Hydraulic Tilt Capacity
- Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization



WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

966 GC Wheel Loader Specifications

Material Handling Arm Specifications

966 GC T3

624-9044

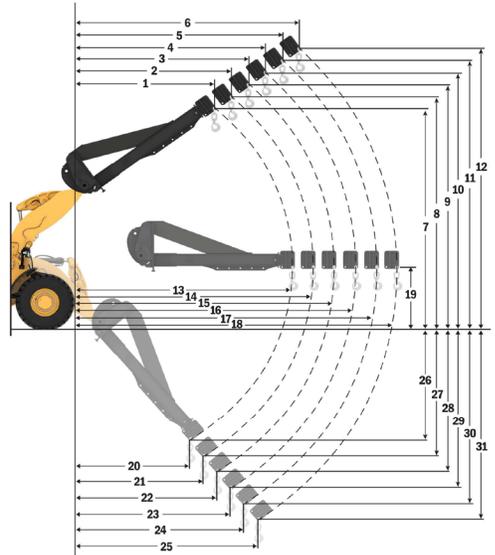
Material Handling Arm, FUSION

6Pos

MHA Specifications

| | Retracted | Extension 1 | Extension 2 | Extension 3 | Extension 4 | Extended |
|--|----------------|-------------|-------------|-------------|-------------|----------|
| Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6) | mm 1,817 | 1,930 | 2,043 | 2,156 | 2,269 | 2,382 |
| | ft, in 5' 11" | 130 | 6' 8" | 7' 0" | 7' 5" | 7' 9" |
| Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12) | mm 7,228 | 7,511 | 7,794 | 8,077 | 8,360 | 8,643 |
| | ft, in 23' 8" | 4,162 | 25' 6" | 26' 5" | 27' 5" | 28' 4" |
| Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18) | mm 4,547 | 4,852 | 5,156 | 5,461 | 5,766 | 6,071 |
| | ft, in 14' 11" | 15' 11" | 16' 11" | 17' 11" | 18' 11" | 19' 11" |
| Level - Hook Eyelet Height (19) | mm 1,947 | 1,947 | 1,947 | 1,947 | 1,947 | 1,947 |
| | ft, in 6' 4.6" | 6' 4.6" | 6' 4.6" | 6' 4.6" | 6' 4.6" | 6' 4.6" |
| Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25) | mm 1,714 | 1,846 | 1,977 | 2,108 | 2,239 | 2,371 |
| | ft, in 5' 7" | 6' 0" | 6' 5" | 6' 10" | 7' 4" | 7' 9" |
| Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31) | mm (2,861) | (3,136) | (3,411) | (3,686) | (3,961) | (4,236) |
| | ft, in -9' 7" | -10' 8" | -11' 9" | -12' 10" | -12' 0" | -13' 1" |
| Static Tipping Load, Straight | kg 6,924 | 6,550 | 6,213 | 5,909 | 5,632 | 5,379 |
| | lb 15,261 | 14,436 | 13,694 | 13,022 | 12,412 | 11,854 |
| Static Tipping Load, Articulated | kg 6,138 | 5,805 | 5,506 | 5,235 | 4,989 | 4,764 |
| | lb 13,527 | 12,794 | 12,135 | 11,538 | 10,996 | 10,500 |
| Operating Weight | kg 20,613 | 20,613 | 20,613 | 20,613 | 20,613 | 20,613 |
| | lb 45,431 | 45,431 | 45,431 | 45,431 | 45,431 | 45,431 |

*Build GC 01A
*Z-Bar Linkage
*Tier 3 Emissions



- Retracted
- Extension 1
- Extension 2
- Extension 3
- Extension 4
- Extended

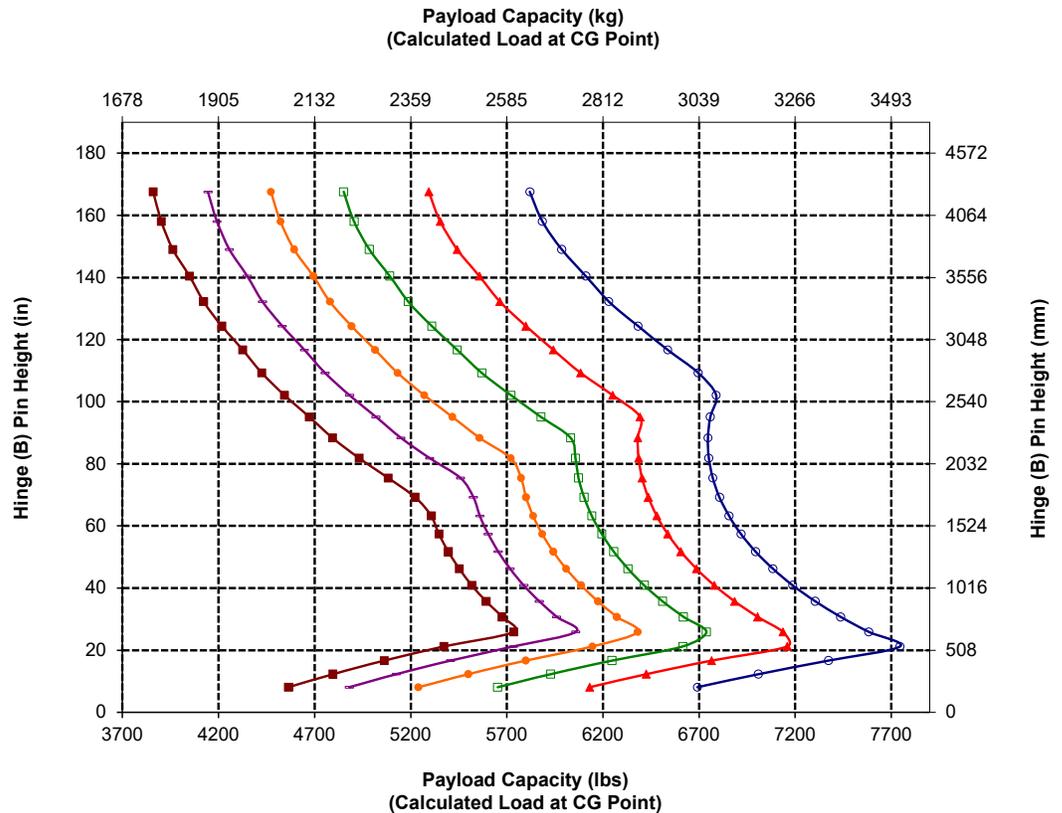
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Triangle TB516 L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1

The rated operating load for a loader equipped with a material handling arm is determined by:

SAE J1197: 50% of full turn static tipping load or hydraulic limit.

*SAE - Society of Automotive Engineers



Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

| | Standard | Optional | | Standard | Optional |
|--|----------|----------|---|----------|----------|
| OPERATOR ENVIRONMENT | | | ELECTRICAL | | |
| Air conditioning (HVAC) with 10 vents and filter unit located outside of cab | ✓ | | Alarm, back-up/main disconnect switch | ✓ | |
| Bucket/work tool function lockout | ✓ | | Alternator (115-amp, brush type) | ✓ | |
| Cab, pressurized and sound suppressed | ✓ | | Batteries, maintenance free (2×1,125 CCA) | ✓ | |
| Camera, rearview | ✓ | | Ignition key, start/stop | ✓ | |
| CB radio ready | | ✓ | Lighting system: 4 halogen work lights, cab mounted | ✓ | |
| Computerized monitoring system | ✓ | | Lighting system: 4 LED or 8 halogen work lights, cab mounted | | ✓ |
| Mirrors, rearview external | ✓ | | Lighting system: 2 halogen work lights, loader tower mounted | ✓ | |
| Pilot hydraulic controls, lift and tilt function; two (2) single axis levers or joystick | ✓ | | Lights: LED taillights | ✓ | |
| 12V power port (10A) | ✓ | | Lights: warning beacon | | ✓ |
| Radio ready | ✓ | | Roading lights with high/low beam and F and R turn signals | | ✓ |
| Radio: DAB+/AM/FM/BT | | ✓ | Starter, electric (heavy duty) | ✓ | |
| ROPS/FOPS structure | ✓ | | Starting and charging system, 24V | ✓ | |
| Seat, Cat Comfort (cloth), mechanical suspension | ✓ | | ADDITIONAL EQUIPMENT | | |
| Seat, high-back, air suspended | | ✓ | Autolube system | | ✓ |
| Seat, air suspended, heated | | ✓ | Camera, front view (kit)** | | ✓ |
| Steering column, adjustable angle | ✓ | | Cat Payload scale system | | ✓ |
| Steering, secondary, electrical* | | ✓ | Cat Payload ready | | ✓ |
| Switch, transmission neutralizer (adjustable) lockout | ✓ | | Cold weather starting basic (ether starting aid) | | ✓ |
| Window, sliding (left and right sides) | ✓ | | Cold weather starting full (HD batteries 2x1,400 CCA, ether system, jacket water heater, cold weather fluids) | | ✓ |
| Wipers/washers (front and rear) | ✓ | | Doors, service access (locking) | ✓ | |
| POWERTRAIN | | | Fenders, rear extensions | | ✓ |
| Brakes, full hydraulic enclosed wet-disc | ✓ | | Fenders, roading | | ✓ |
| Cat C9.3B engine | ✓ | | Grill, airborne debris | ✓ | |
| Engine Idle Management System (EIMS) | ✓ | | L5 traction tires | | ✓ |
| Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand | ✓ | | L3 radial or bias ply tires | ✓ | |
| Fan, reversing, automatic and manual control | | ✓ | Powertrain guard | | ✓ |
| Filter, fuel primary/secondary/tertiary | ✓ | | Precleaner, strata-tubes with scavenge | | ✓ |
| Fuel priming pump (electric) | ✓ | | Product Link ready | ✓ | |
| Fuel/water separator | ✓ | | Tilt cylinder guard | | ✓ |
| Muffler, sound suppressed | ✓ | | Toolbox | | ✓ |
| Radiator, unit core (9.5 fpi) with ATAAC | ✓ | | Variable backup alarm (3dB above ambient noise) | ✓ | |
| Torque converter | ✓ | | Windshield guard | | ✓ |
| Transmission, automatic, powershift (4F/3R), kick-down 2-1 manual | ✓ | | LINKAGE | | |
| HYDRAULICS | | | Fusion™ quick coupler control | | ✓ |
| Dedicated brake and fan piston pump | ✓ | | Lift and bucket return-to-dig kickouts (electro-magnetic), mechanical adjustment | ✓ | |
| Dedicated load sensing steering pump | ✓ | | Z-bar, cast tilt lever | ✓ | |
| Load sensing implement system, pilot operated | ✓ | | | | |
| Ride control | | ✓ | | | |
| S•O•S SM oil sampling valves | ✓ | | | | |
| 3rd function with additional dedicated single axis lever | | ✓ | | | |

*Standard where mandated.

** Refer to M0106413 publication for usage requirements.



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AEXQ2901-01 (4-2023)
Build Number: 01B
(Afr-ME, Eurasia, S Am
[excluding Chile], Aus-NZ,
Asia [excluding China, SE Asia,
Indonesia, Japan, S. Korea])

