

TCM **WHEEL LOADER**

SUPER SILENT LOADER

Bucket capacity.....0.5~0.92yd³/0.4~0.7m³

Flywheel horsepower28.6HP/21.4kw

Operating weight6330lb/2870kg

804



● Machine shown may include optional equipment

- **New SSS (Super Silent System) Features Reduced Noise and Vibration Levels**
- **New Fuel Efficient High Performance Engine**
- **New Variable-speed Automatic HST Transmission**
- **New Oscillating Rear Axle for Superior Stability and Rough Terrain Operation**
- **New Modern Compact Design Equipped with Environmental Features**



Deluxe instrument panel

Extensive gauges and monitors provide necessary information at a glance.



Gauges:

- ① Hourmeter
- ② Fuel gauge
- ③ Engine water temperature gauge

Monitor warning lights:

- ④ Parking brake
- ⑤ Engine oil pressure

- ⑥ Brake oil level
- ⑦ Battery electrolyte level
- ⑧ Air cleaner restriction
- ⑨ HST oil temperature
- ⑩ HST oil pressure
- ⑪ HST oil filter restriction
- ⑫ Glow indicator

Environmental design

The wheel loader's design utilizes materials which can be recycled thereby reducing industrial waste. Its quiet and fuel efficient operation minimizes air and noise pollution.

Newly developed variable speed automatic HST transmission

A new variable speed automatic HST (Hydrostatic Transmission) assures smooth and easy control. The operator's hands remain free since manual engine Rpm adjustment is not required. Travel speed and tractive power are automatically provided by foot pedal control. An inching pedal allows precise braking control in delicate operations and also assures smooth machine stops on inclines.

Oscillating rear axle and high floatation tires

An oscillating rear axle combined with high floatation tires allow all four wheels to maintain ground contact, even in the roughest terrain or soft conditions. Comfortable and stable operation reduces operator's fatigue.



Tires-type and size

12.5/70-16-6PR(L-2) Tubelass

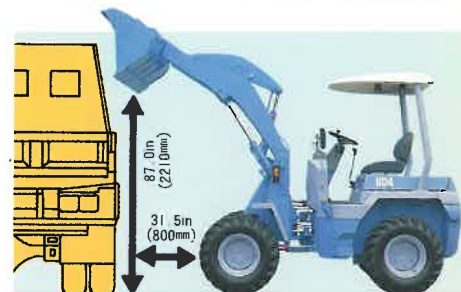


Easy access for maintenance

A light touch engine hood provides full access for routine service and maintenance.

- | | |
|------------------------------------|---|
| 1. Radiator coolant reservoir | 5. Cyclopack air cleaner with restriction indicator |
| 2. Water separator | 6. Automatic fuel / air bleed |
| 3. Cartridge fuel filter | 7. Quick detach removable floor board |
| 4. Hydraulic oil level sight gauge | |

Highest dump height and reach in its class



New automatic bucket leveler

New electronic bucket leveler automatically returns the bucket to the dig position. This insures

efficient and smooth operation and greater operator productivity.



SUPER SILENT LOADER



Bore and stroke, in (mm).....	3.1×3.1 (78.0×78.4)
Number of cylinders.....	4
Displacement, cubic in (litres).....	91.4 (1.498)
Electrical system (alternator).....	12 V, 30 amp



Travel speed mph (km/h) :	
Forward	Reverse
0-9.3 (15.0)	0-9.3 (15.0)



STEERING SYSTEM

Angle of steer : Each direction 40° .



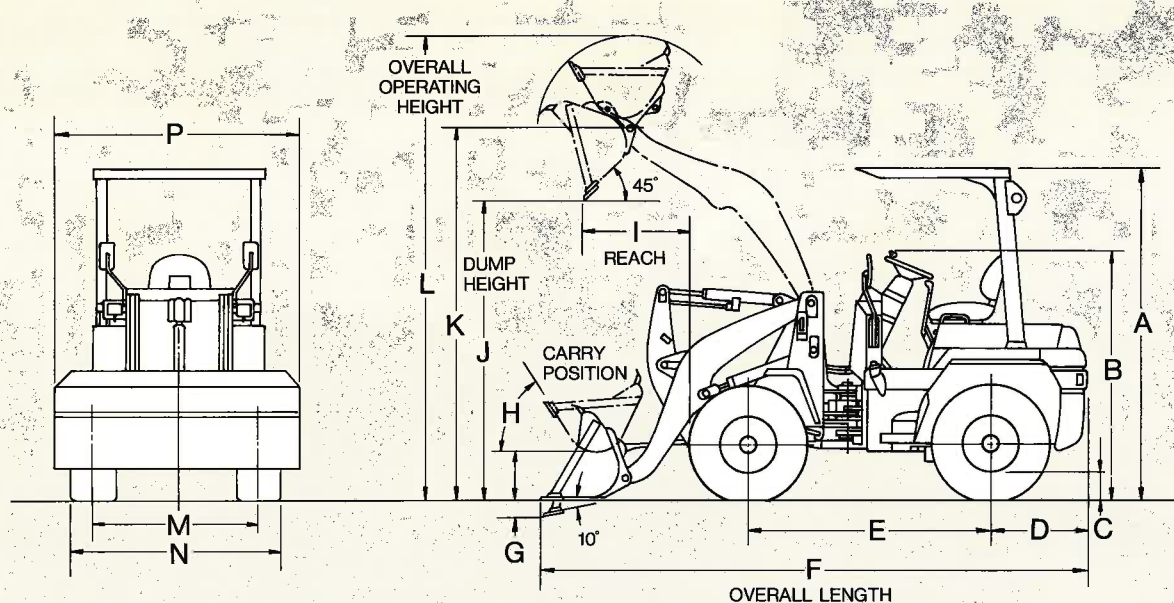
Parking : Spring applied wet disc brake mounted on the transfer input shaft with forced neutral mechanism.



SERVICE CAPACITIES

	U.S. gal	Litres
Cooling system	1.8	6.9
Crankcase	1.5	5.6
Reduction and differential (front)	0.9	3.5
Reduction and differential (rear)	0.9	3.5
Hydraulic reservoir	6.3	24.0
Fuel tank	10.6	40.0

STANDARD DIMENSIONS (with ROPS Canopy)



DIMENSIONS

		A	B	C	D	E	H	K	M	N	F, G, I, J, L & P
With ROPS Canopy & 12.5/70-16-6PR(L-2) T/L tires	in	101.2	71.9	10.0	28.0	70.0	55"	108.9	46.5	59.3	See chart below
	mm	2570	1825	255	710	1780	55	2765	1180	1505	

OPERATING DATA

Bucket type		General Purpose			Light Duty
		Bolt-on Cutting Edge	Bolt-on Teeth	Without Teeth	Bolt-on Cutting Edge
Bucket capacity, rated (heaped)	yd ³ /m ³	0.50/0.40	0.50/0.40	0.50/0.40	0.92/0.70
Bucket capacity, struck	yd ³ /m ³	0.45/0.34	0.45/0.34	0.45/0.34	0.80/0.61
Bucket width	(P) in/mm	61.8/1570	61.8/1570	61.8/1570	72.5/1840
Dump height at full lift and 45° discharge	(J) in/mm	87.0/2210	84.3/2140	87.6/2225	80.9/2055
Reach at full lift and 45° discharge	(I) in/mm	31.5/800	32.7/830	30.9/785	37.0/940
Reach with lift arm horizontal and bucket level	in/mm	64.4/1635	68.1/1730	63.4/1610	73.0/1855
Reach at 7'00"/2130 mm height and 45° discharge	in/mm	34.5/875	33.9/860	35.0/890	—
Digging depth (10° discharge)	(G) in/mm	6.5/165	7.1/180	5.5/140	7.5/190
Overall length	(F) in/mm	159.3/4045	163.0/4140	158.3/4020	167.9/4265
Overall operating height	(L) in/mm	135.2/3435	135.2/3435	135.2/3435	141.3/3590
Turning radius (Bucket in carry position)	in/mm	143.3/3640	144.7/3675	143.3/3640	150.4/3820
Breakout force (Bucket cyl.)	lb/kg	5950/2700	5270/2390	6330/2870	4100/1860
Static tipping load, straight	lb/kg	4500/2040	4500/2040	4720/2140	4390/1990
full (40°) turn	lb/kg	3880/1760	3880/1760	4100/1860	3770/1710
Operating weight	lb/kg	6330/2870	6310/2860	6260/2840	6480/2940

• All dimensions, weights and performance values based on SAE J732C and J742b standards where applicable.

• All dimensions, weights and performance values are approximate with reasonable accuracy, including bucket, tires and ROPS Canopy shown.

SUPPLEMENTAL OPERATING DATA

		Full Turn	Static Tipping Load Straight	Operating Weight
Without ROPS Canopy	lb/kg	-510/-230	-550/-250	-490/-220
With Awning Canopy (In lieu of ROPS Canopy)	lb/kg	-400/-180	-420/-190	-370/-170
With Steel Cabin (In lieu of ROPS Canopy)	lb/kg	-130/-60	-130/-60	0/ 0
With ROPS Cabin (In lieu of ROPS Canopy)	lb/kg	130/ 60	150/ 70	290/ 130

TCM reserves the right to change these specifications without incurring any obligation relating to such changes.

TCM WHEEL LOADER 804 SUPER SILENT LOADER

Highest performer in its class with quiet and safe operating features

High performance direct fuel injection diesel engine

The new 28.6(SAE) HP Kubota V1505 is a 4 cycle, water cooled, 4 cylinder diesel engine, designed for fuel efficiency, high performance and durability.

Air intake system

A new noise reduction high capacity air intake system minimizes airborne dust to the engine as well as extending the air cleaner filter life.



Outstanding maneuverability

A 40° articulation angle and responsive power steering make the TCM 804 the world's most maneuverable compact loader. It demonstrates mobility and productivity in close quarters and tight job conditions.



Reliable, enclosed wet disc brake

Hydraulic power assisted enclosed wet disc brake insures reliable positive braking force in all job conditions. The brake is adjustment free and is activated by light touch, short stroke brake pedals.

SSS



Super Silent System

TCM once again redefines modern loaders with it's new SSS (Super Silent System). Noise reduction is achieved by incorporating a new engine, special air intake system, F-shape cooling fan and various insulation materials into the loader's design. In addition, the counterweight includes a low noise air duct which reduces both intake and exhaust noise levels.

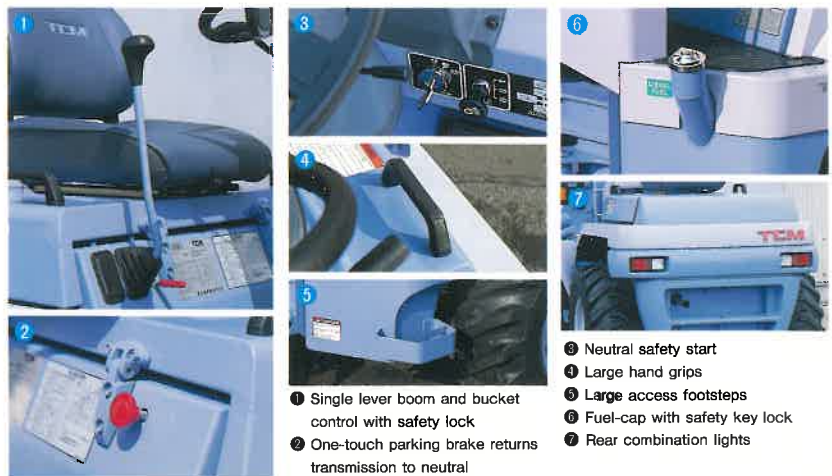
Operating noise levels have been reduced to 70 dB(A) at 23 ft.(7m).

STANDARD EXTERIOR NOISE

23 ft (7 -meter) 70 dB(A)

98 ft (30-meter) 61 dB(A)

Extensive safety features



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STANDARD EQUIPMENT

DRIVE TRAIN

- Fuel efficient Kubota diesel engine
- Alternator (12V, 30 amp)
- Articulated frame
- 4 wheel drive system
- Variable HST transmission
- Oscillating rear axle
- 12.5/70-16-6PR (L-2) high floatation tubeless tires
- Limited slip differential (for U.S.A. market)

LOADING SYSTEM

- 0.5 Cu.Yd./0.4 Cu.M. General purpose bucket with reversible cutting edge
- Automatic bucket leveler
- Single load control lever with safety lock

CONTROLS

- Neutral safety start
- Starter key engine shut off
- Full hydraulic power steering
- Enclosed wet disc type service brake with hydraulic booster
- Wet disc one touch parking brake returns transmission to neutral
- Adjustable seat

ADDITIONAL EQUIPMENT

- Steering wheel with palm grip
- Accelerator pedal
- Twin foot brake pedals - one for inching
- Access ladders (right & left)
- Fenders (front & rear)
- Large footsteps (right & left)
- Large hand grips (right & left)
- Rubber floor mat

- Quick detach removable floor board
- Enclosed engine hood with dampening cylinder
- Muffler
- Counterweight with noise reduction air duct
- Drawbar hitch
- Lifting lugs
- Radiator coolant reservoir
- Key lock fuel cap
- Fuel strainer
- Water separator
- Automatic fuel/air bleed
- Tool kit
- Horn

Filters :

- Cyclopack air cleaner with restriction indicator
- Cartridge fuel filter
- Engine oil filter
- HST oil filter
- Hydraulic oil filter

Sight gauges :

- HST oil level
- Hydraulic oil level

Integrated instrument panel with illumination lighting

Lights :

- Front headlights (2)
- Front turning lamps (2)
- Rear combination lamps with reflectors (2)
- Rear view mirrors (2)

OPTIONAL EQUIPMENT

- Awning Canopy
- ROPS Canopy (*)
- Steel Cabin with safety glass, windshield wiper/washer (front & rear), dome light, mirror
- ROPS Cabin with safety glass, windshield wiper/washer (front & rear), dome light, mirror (*)
- Seat belt
- Back-up alarm
- Air conditioner (* Meets SAE ROPS & FOPS requirements)
- Heater & defroster
- Solid tires

OPTIONAL WORKING EQUIPMENT

- 0.5 Cu.Yd./0.4 Cu.M. General purpose bucket
- 0.65 Cu.Yd./0.5 Cu.M. Light material bucket
- 0.92 Cu.Yd./0.7 Cu.M. Light material bucket
- 0.45 Cu.Yd./0.35 Cu.M. Multi-purpose bucket
- Bolt-on bucket teeth
- Bolt-on reversible cutting edge
- Forks
- Quick coupler
- Auxiliary 3rd valve & piping



• Photo 806

Manufactured by

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