REMOTE CONTROL

KANGA LOADERS

PM-000185
24v1

BUILT TOUGH SINCE 1981



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REMOTE CONTROL MINI LOADER

TR825

REMOTE CONTROL LOADER

TRANSMITTER BATTERY	DIESEL - TR825	
Power supply (battery MBM06MH)	NiMH 7.2 V	
Antenna	Internal	
Housing material	PA 6 (20% fg)	
Protection degree	IP65	
Dimensions	310 mm x 210 mm x 190 mm	12.2” x 8.3” x 7.5”
Run time (at 68°F/20°C)	11 h	
Run time with data feedback (at 68°F/20°C)	9.5 h	
Run time with low power (at 68°F/20°C)	14 h	
Run time with data feedback and low power (at 68°F/20°C)	12.5 h	
PERFORMANCE LEVEL OF SAFETY FUNCTIONS ACCORDING TO EN ISO 13849-1		
STOP Protection	PL e (4-wire wiring)	
STOP Protection	PL e (2-wire wiring)	
Protection against unintended movement from standstill position	PL d	
Protection Degree	IP65	
AC BATTERY CHARGER		
Supply voltage	80-250 Vac (50/60 Hz)	
Maximum recharging time	4 h	
Recharging temperature range	+5°C - +45°C	41°F -113°F
Protection degree	IP40	
DYNAMIC SERIES TECHNICAL DATA		
Frequency band in dynamic mode	915 - 928 MHz	
Frequency band in static mode	915 - 928 MHz	
Transmitting power	Meets the requirements for free-license apparatus	
Available radio channels	260	
Available radio channels with static mode	260	
Channel spacing	50 kHz	
Hamming distance	> 15	
Probability of undetected error	< 10-15	
Typical working range	100m	328ft
Working range with low power function	30m	100ft
Command response time	80 - 130 ms	
Active stop cut-in time (typical)	< 80 ms	
Active stop cut-in time (maximum)	130 ms	
Passive stop cut-in time	0.5 / 1.2 / 2s	

PERFORMANCE	DIESEL - TR825	
Tipping load[1]	601 kg	1322 lbs
Rated operating capacity (ROC)[1]	270 kg	595 lbs
Travel speed - default mode (and fast mode)	5.4 km/h (9.3 km/h)	3.4 m/h (5.8 m/h)
Fuel capacity	38 L	10 gal
Fuel type	DIESEL	
Machine mass with no operator / bucket	1130 kg	2491 lbs
ENGINE		
Manufacturer	Kubota D902	
Net power rating[2]	17.5 kW	23.5 hp
Max torque	56 Nm	41.3 ft lbs
DRIVE SYSTEM		
Throttle control	Remote	
Tracks with direct drive hydraulic motors	Tracked	
HYDRAULICS		
Gear pump displacement	11.3 cc/rev	0.69 cu.in/rev
Pump output	40.6 lpm	10.73 gpm
System pressure	220 bar	3200 psi
Hydraulic reservoir capacity	80 L	21.1 gal
KANGA BUCKETS		
HD 4in1 bucket capacity (heaped / struck volume)[3]	0.13 m^3 / 0.095 m^3	4.59 cu ft / 3.36 cu ft
DIMENSIONS		
A Height to hinge pin	1561 mm	61.5”
B Overall height with no warning lights	1066 mm	42”
C Overall length with HD 4in1 bucket	2624 mm	103.3”
D Overall track width	1046 mm	41.2”
E HD 4in1 bucket width	1090 mm	42.9”
F Ground clearance	184 mm	7.2”

[1] Tipping load and Rated Operating Capacity (ROC) have been determined to ISO 14397-1 though the values shown here need to be adjusted for specific attachments. Refer to the section of the Operators Manual “Practice Safety at All Times” for Tipping Load and ROC values for the range of Kanga bucket and fork attachments. Note that ROC is 50% of the Tipping Load for wheel loaders and 45% for Kanga “over tire track” loaders.

[2] Power Rating is the net power of the production engine only as measured in accordance with SAE J1349 at 3600 RPM. Mass production engines vary from this value. Actual power output for the engine installed in the delivered machine may vary depending on numerous factors. These factors can include operation speed of the engine in the application, environmental conditions, and other variables.

[3] Volumes based on ISO 7546:1983.



REMOTE CONTROL LOADER



VENTED HOOD
Two removable panels have been designed onto the hood assembly. These will allow additional engine bay ventilation when working in extreme heat situations

MANUAL OVERRIDE
The TR825 can work in both a manual and remote mode

CERTIFIED LIFTING POINTS
The TR825 includes 4 certified lifting points to allow the loader to be craned into confined spaces

ENGINE PROTECTION SHUTDOWN
The loader can detect low oil level & excessive heat, and will immediately shut down to protect the engine

FULL-FLOW AUXILIARY HYDRAULICS
Full-flow auxiliary hydraulics with independent spool and cylinder valving. This enables operators to connect hydraulic attachments with extra features; such as brooms with power angle functions.

REMOTE CONTROL SYSTEM
Frequency hopping spread spectrum radios with automatic frequency management - Maintains radio link even if interference occurs
Certified to PLe150 13849-1
Ergonomically friendly and compact transmitter
Robust fiberglass nylon housing sealed to IP65
Fully electronic receiver with no moving parts

ANTI-CORROSION CHAIN
Will withstand highly corrosive environments, such as iron ore, salt, copper, or red dust. The zinc coating will protect the chain from seizing or rusting

TWIN HYDRAULIC COOLING FANS
The cooling fans allow the loader to work in confined spaces, at high temperatures. The fans also maintain the hydraulic oil temperature for optimum loader performance

AUSTRALIAN SINCE 1981 MADE QUALITY

KANGA OFFERS A VAST SELECTION OF ATTACHMENTS FOR MINI LOADERS TO SUIT MANY APPLICATIONS.



KANGA LOADER FEATURES



KANGA IS PROUD TO INTRODUCE THE TR825 REMOTE CONTROLLED LOADER.

Birthed from a company that has hydraulic, mechanical, and electrical engineering experience since 1981. Designed with precision, and using only the highest quality materials, Kanga's reputed workmanship guarantees the TR825 will change the way you work. The inventors of the world's first stand-on mini loader have designed a remote controlled mini loader to minimise risk, and improve productivity around hazardous and confined work areas - Kanga's purpose-built machine turns hazardous work into a safe business. Standing at just over a metre high, the TR825 has the ability to eliminate traditional work methods of manual labour, and will not only do your job quicker and safer, but it will also save you time and money.

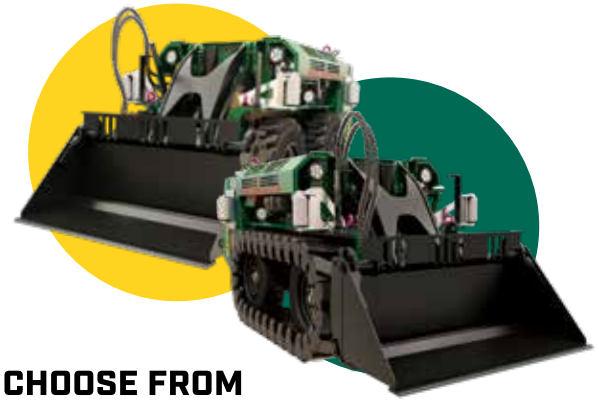
Kanga's radio-controlled mini loader is a clear leader when it comes to accessing or cleaning spoil in tight, hazardous, and confined spaces. Whilst most traditional remote machines have been designed for a single purpose, the TR825 offers a multitude of attachments to ensure maximum utilisation for the life of the machine.

APPLICATIONS

- Cleaning under conveyor belt systems in mining applications, for both stationary and operating systems.
- Working in hazardous environments and confined access areas.
- Recovery of material with poor accessibility - Including; drains, tanks, pipes, and other confined spaces.
- Cement smelter.
- As a multi-tasking remote loader.
- Other applications include:

  - Trenching
  - Sweeping
  - Augering holes
  - Levelling
  - Bucket work (4in1 Bucket)
  - Hydraulic hammer

ENGINEERED TO PERFORM WITH MINIMAL MAINTENANCE. BUILT TO LAST.



CHOOSE FROM TRACKED OR WHEELED LOADER OPTIONS

The *'Kanga Klean System'* comes standard on the unmanned Kanga TR825 Remote Controlled Loader.

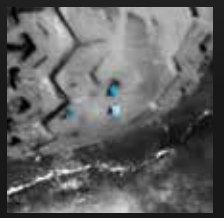
Since 1981, Kanga has been an industry pioneer with a commitment to our environment, and a focus on customer safety. In line with our cornerstone values, we have made available optional extras to complement our product offering. Through innovative market research and extensive product development, the 'Kanga Klean' program delivers astounding results in reducing diesel particulate matter and carbon monoxide emission, without compromising on performance.

PUNCTURE-PROOF YOUR TYRES

Kanga Loaders offers a puncture-proof tyre system for your loader. The puncture-proof tyre system is a resealing substance which is pumped into the tyre through the valve stem, and remains liquid for the life of the mounted tyre. As the wheel rotates, centrifugal forces spread the liquid evenly over the interior tyre lining. If the tyre is punctured, thousands of strong interlocking 'reseal' fibres clot in and around the puncture to prevent any loss of air, forming a seal. *Available from your Dealer.*







ANTI-PUNCTURE TYRE RESEALING SYSTEM

DESIGN - STRENGTH - EASE OF OPERATION - VALUE - REPUTATION - WARRANTY

1978



The original idea which led to the world's first stand-on machine, was originally a motorised wheelbarrow.

1980



By 1980, the concept developed into a walk-behind machine with similar design and styling characteristics, found on modern machines.

1981



The first stand-on machine was introduced to the world. Named the Riga'I Universal Loader, it was powered by an 11hp motor.

1984



The loaders were renamed the Jaden Loader. A larger sized model was released, named the Dingo 1000.

1985



The Jaden Maxi prototype was powered by a 16hp Engine. Only 35 were ever made.

1986



Mk1 - A major chassis design revision was undertaken to increase power and improve poise & balance.

1988



Long range fuel tanks were added over the wheels. Power was increased to 16hp.

1989



3 Series - Optional 10" wheels, larger fuel tanks (which encapsulate the operator), and the iconic green colour were introduced. Received 'Australian International Design' Award.

1996



4 Series - First model with 10" wheels as standard. Petrol and Diesel model options became available.

1997



Kanga begins exports to North America and New Zealand.

1999



The 5 Series model saw an introduction to soft-touch controls, auxiliary cutout, and redesigned fuel tanks, in preparation for the introduction of tracks.

2000



The 2 Series was released, to align with the original concept of a tight access and affordable earthmoving solution.

2002



The Kid track mini loader was released, as the smallest tracked machine in the world.

2003



6 & 7 Series mini loaders were released. Originally named the Big Foot, due to its 12" wheels, available in a 24hp petrol, or 20hp Diesel engine. The Track machine was named Fat Track.

2006



A new 25hp 2-speed 8 Series loader, featuring an oil cooler, trenching valve, and auto quick-hitch release - The largest and most powerful in the range.

2007



6 & 7 Series upgraded to 4-wheel motors, a wider platform, and an increase of performance and comfort. Received 'Innovative Product of the Year' Award.

2008



Remote Loader commences development, and first prototype released.

2009



Kanga Loaders was acquired by Digga Australia. The manufacturing of loaders was moved into the Digga factory.

2010



The Kanga Warrior was released. A cost effective bare-bones model for the weekend warrior.

2011



The Kanga Remote Loader was released, with wheeled and track versions available.

2013



The Kanga 8 Series range, featuring a 25hp diesel motor, was released. Available in wheeled and tracked versions.

2015



Kanga release the Kanga Klean program as an industry-first in emissions reduction.

2016



Kanga release the DT835 as the most powerful Kanga mini loader.

2017



Kanga Loaders launches in North America - USA.

2021



Kanga Loaders celebrates its 40th year anniversary.

2022



Logo and machine branding modernised.

2023



Kanga Kid redesign with increased HP.

KANGA LOADERS

MULTI-TASKING MADE EASY

Since being established in 1978 as Jaden Engineering, the Kanga loader has been a source of innovation for the multi-task compact skid steer market. Upholding the highest safety industry standards, starting with the original idea and prototype in 1980, Kanga later developed the first production model in 1981. Kanga Loaders has since become an Australian household name within the mini loader industry.

WE MAKE IT OUR BUSINESS TO UNDERSTAND YOUR BUSINESS

WE REALISE YOUR BUSINESS IS DRIVEN BY RETURN ON INVESTMENT AND UTILISATION

- Want to prevent costly unplanned shutdowns of broken conveyor belt drives?
- Are you concerned your staff is being exposed to hazardous environments?
- Want to reduce 'lost time' injuries?
- Looking for a solution to provide you with an exceptional return on investment?
- Are you after a product that will give you versatility and allow you to multitask?

- The Kanga TR825 Remote Controlled Loader, can remove material up to 10 times faster than a labourer, and eliminates the need for expensive shutdowns.
- Investing in a Kanga Remote Loader will minimise the need for performing dangerous and manual tasks - immediately reducing labour fatigue.
- The TR825 will also reduce *LTI's (Lost Time Injuries)* which can cost an average of hundreds of thousands in dollars per incident.

MINIMISE RISK, MAXIMISE OUTPUT

The unmanned Kanga TR825 Remote Controlled Loader offers maximum protection and increases workplace safety by placing the operator out of the immediate vicinity of moving parts / hazardous or dangerous environments. The Kanga Remote Loader will give you the ability to schedule routine maintenance, eliminating costly unplanned conveyor shutdowns through the accumulation of spillage.



DESIGNED FOR EFFICIENCY AND SAFETY

KANGA LOADERS

TURNING HARD WORK INTO EASY BUSINESS SINCE 1981

- **AUSTRALIAN DESIGNED**
- **AUSTRALIAN OWNED**
- **AUSTRALIAN MADE**

PHONE 1300 4 KANGA
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BUILT TOUGH SINCE 1981

WARRANTY

WARRANTY

ENGINE

2 YEARS/UNLIMITED
Diesel engine is covered under the manufacturer's warranty

COMMERCIAL PRODUCT

5 YEARS
Chassis structure.

2 YEARS/1,000 HOURS
Arm/tilt assembly workmanship and structure.

1 YEAR
Other components and electrical.
Warranty Conditions Apply.

kangaloader.com