



Escorts Kubota Limited

Construction Equipment

**DESIGNED BY
BUILT FOR**

YOU

HYDRA 14

कामयाबी की ऊंचाइयों तक



Creep Speed
1.7 km/h
Performance &
Safety



**Hi-Visibility
Cabin**
Safety &
Comfort



**Service Interval
(Engine) 500 hrs**
Low
Maintenance



**Heavy Duty
Straight Axle**
High
Performance



Max Speed
29 km/h
High
Performance



Hoist
12 t Capacity
High
Performance

**CEV
STAGE V**

About Us

Experience. Engineering. Excellence.

Escorts Kubota Limited is committed to building a lasting legacy through a transformative mission of global excellence. We lead in farm mechanization, smart agriculture, advanced construction equipment solution. Dedicated to a brighter future for our customers, nation, and the world, we focus on continuous innovation and value creation.

Our Belief

At Escorts Kubota Limited our journey is deeply connected to the aspirations of our stakeholders, focusing on building a sustainable ecosystem founded on transparency, trust, and respect. We deliver exceptional product quality and innovation for customers, nurture employee growth, and contribute positively to the communities we serve.

Our Journey

1944



Escorts was founded

1971



Escorts pioneered the first HYDRA crane in India

1985



Rough Terrain - RT30 & RT40 were introduced

1999



Pioneered High-End crane model K10 was introduced

2002



High-End crane model F15 was introduced, which become our flagship model

2009



Design & developed M1000 crane Loader

2014



Launched F15 2WD affordable High-End crane

2015-16



Launched High-End crane F20

2018



Launched new models - Hydra 13/15, TRX15/2319, High-End F17 & NXT13

2025



Launched the entire CEV Stage V range & resetting industry with all new Hydra 12

Explore Our Range



HYDRA CRANES	HIGH END CRANES	MINI EXCAVATORS	BACKHOE LOADERS	TANDEM COMPACTORS	SOIL COMPACTORS	ROUGH TERRAIN CRANES
12 t - 15 t	14 t - 30 t	1.8 t - 4.9 t	7.8 t	3.3 t - 9.4 t	10 t - 12 t	20 t - 40 t
9.6 m (27 ft) - 19 m (65 ft)	18.2 m (60 ft) - 20.1 m (66 ft)	12 kW (16.1 HP) - 28.8 kW (38.6 HP)	54.5 kW (74 HP)	33.5 kW (45 HP) - 54.5 kW (74 HP)	82 kW (110 HP)	23 m (75 ft) - 36 m (118 ft)

HYDRA 14

The brand new CEV Stage V Hydra 14 is a robust and reliable crane designed to handle a variety of material handling tasks in construction and industrial environment.

Performance, Safety & Comfort



Unmatched Durability & Strength

Built with a rugged chassis and high-strength materials, ensuring longevity and reliability in demanding work environments.



Enhanced Visibility for Maximum Control

Thoughtfully designed operator cabin with a wide field of vision for precise load handling and improved safety.



Power-Packed Performance

High-torque engine and advanced hydraulics deliver superior lifting and loading efficiency.



Ultimate Safety & Stability

Equipped with a reinforced structure, seat belts and fail-safe braking system for secure operations.



Superior Operator Comfort

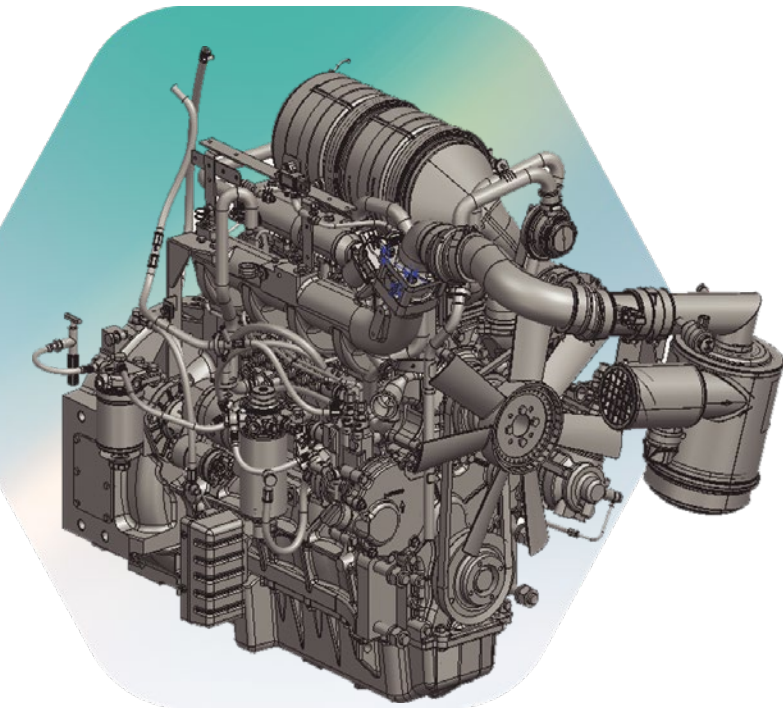
Spacious and ergonomically designed operator cabin with easy controls for fatigue-free operation.



Fuel Efficient

Engineered for optimal fuel efficiency, reducing operational costs without compromising performance.

Unmatched Performance & Durability



Reliable Escorts Kubota CEV Stage V Engine

Equipped with DOC and DPF, Escorts Kubota E4.391NA CEV Stage V compliant 37 kW (50 HP) direct-injection engine

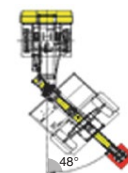
Successfully
15 Lacs
Engines Running

Perfect for last
50 Years



Higher Engine Torque: 217 Nm

Torque increased 14.2 % from 190 Nm to 217 Nm with better performance and fuel efficiency in working condition



Higher Stability

Lower articulation angle upto 48° either side, ensure higher stability while lifting load



Higher Operating Weight

Handles load with confidence



6 falls Hook Block with Rope Compensation

Maintains hook block position securely to boom when extending or retracting



Best in Class



Constant Mesh



Sliding Mesh

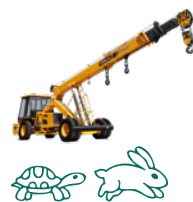
Less Noise, Better Performance

Top Notch Constant Mesh Gearbox: 8F+2R

Designed to deliver excellent performance in craning with high-low selector for effortless gear engagement, minimizing noise & maintenance

Faster Travel, Steady Loading

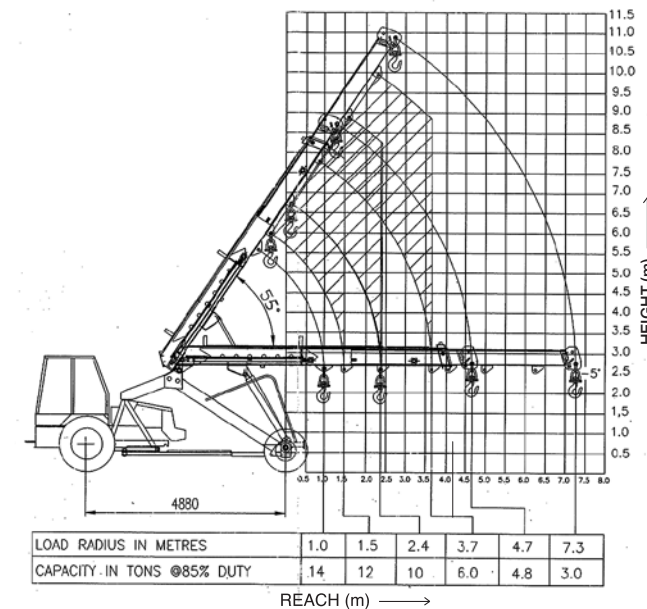
- 29 km/h top speed, fastest in the Industry, approved by ARAI
- 1.7 km/h creep speed, better control of load while working



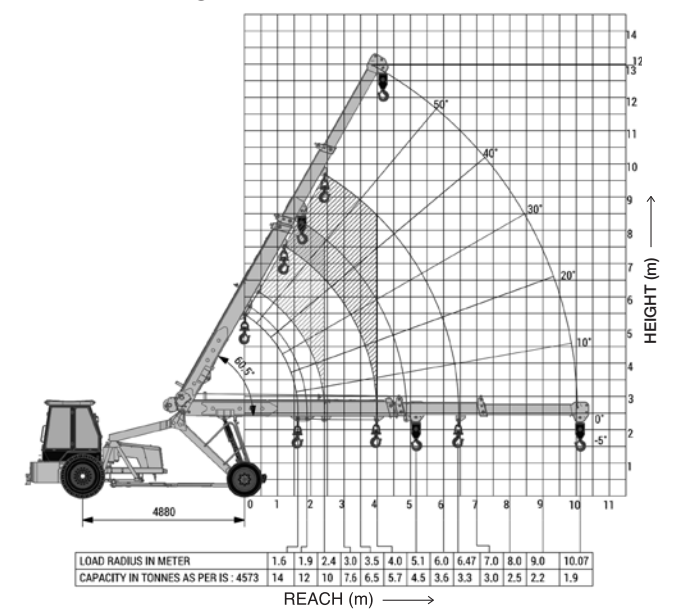
High Performance Clutch

Cerametallic Clutch for smooth power transmission, better service life and low maintenance cost

LOAD CHART
HYDRA 14 2P



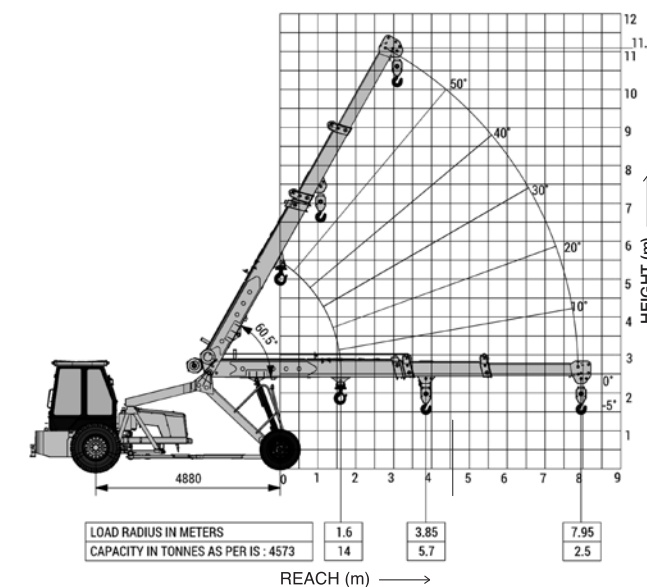
LOAD CHART
HYDRA 14 3P



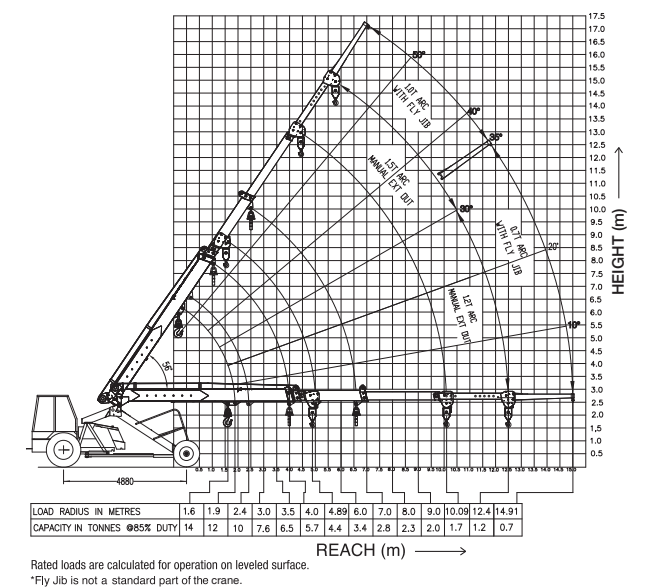
-5° Luffing Angle

Helps in handling load in confined areas, specially in low-lying spots, minimizing use of slings

LOAD CHART
HYDRA 14 3P EX



LOAD CHART
HYDRA 14 4P



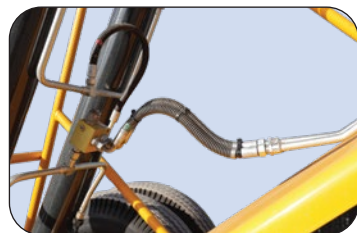
Rated loads are calculated for operation on leveled surface.
*Fly Jib is not a standard part of the crane.

Peak Safety



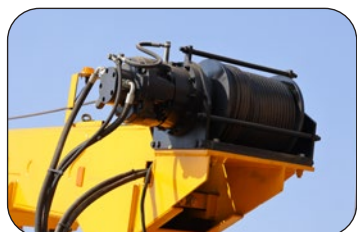
High-Visibility Cabin

Full glass cabin for superior tyre visibility & working safety



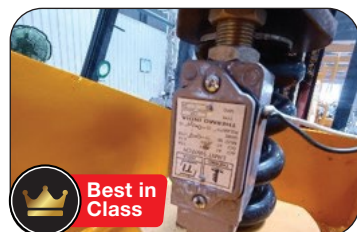
Counter Balance Protection Valve

Prevents boom from sudden lowering in case of hose leakage in the lift line



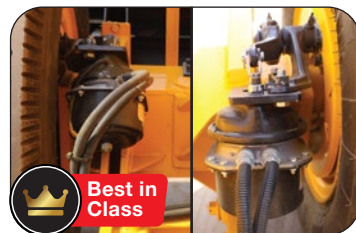
Hoist winch (12 t) with Built in Safety Brakes

Branded hoist winch for superior reliability & safety



Overload Audio Warning System

Prevent overloading of crane and ensures safety of operator and surrounding



All Wheel Pneumatic Brakes

Superior braking response with lower maintenance cost



Other Safety Features

- Weatherproof IP67 Electrical Connectors
- Low Air Pressure Warning Buzzer
- Neutral Starting Switch
- Grab handle for Helpers

Peak Comfort



Rocker Switches

Reliable and low effort Rocker Switches with better aesthetic appearance



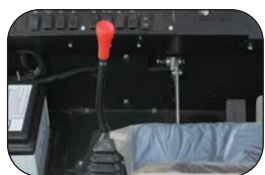
Digital Instrument Panel

Bright and ease to read CAN* based cluster with all gauges and engine fault code detection



Round Lever Knobs

Easy to reach with increased hand grip and minimal effort to reduced fatigue



Center Mounted Gear Lever

For better Operator comfort and reduce fatigue

Large Floor Space

Plenty of space with greater comfort for the operator



Comfortable Wider Seat

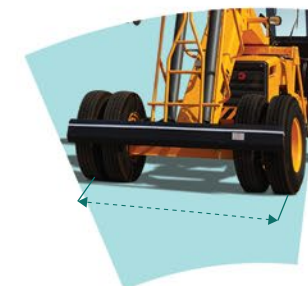
Comfortable and wider seat with safety seatbelt

* Controller Area Network

Peak Reliability

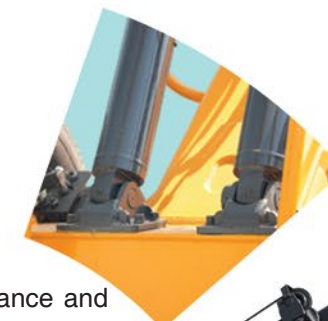
Shorter Front Track width of 1.98 m

Better performance in tight and difficult working spaces



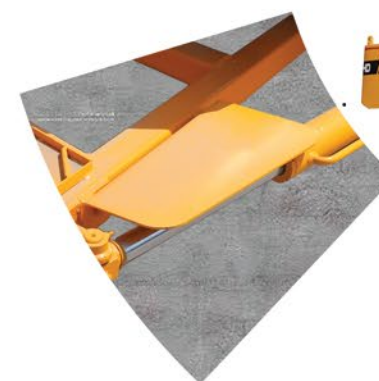
Boltable Luff Bracket

Increased cylinder distance and boltable luff bracket to handles boom jerking and supports easy maintenance



Rear Tyres Mudguard

Clean cabin for the operator
Improves productivity and requires less maintenance



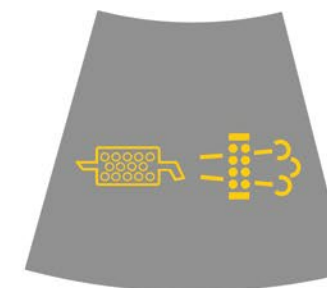
Longer steering cylinder with Guards

Longer steering cylinder having bigger rod diameter for enhanced side stability and maneuverability. Cylinder protection guard as standard reduces maintenance



500 hrs service Interval (Engine)

Reduces downtime and maintenance costs, keeping equipment working longer between services



Regeneration pop-up Message in Cluster

Provides timely regeneration alerts, reduces chances of engine breakdown

Specifications

ENGINE				
Brand	Escorts Kubota			
Model	E4.391NA			
Cylinders /Displacement	4 cylinder/ 3.9 l			
Air Intake	Naturally Aspirated			
Fuel Injection	Electronic, Common Rail Direct Injection			
Emission Level	CEV Stage V			
Max. Gross Power (kW) @2 000 rpm	37kW/ 50HP			
Max. Gross Torque (Nm) @1 200 rpm	217 Nm			
After Treatment	DOC + DPF			
*500 hrs. service interval available in Escorts Kubota Engine				
HYDRAULIC SYSTEM				
Hydraulic Pump	Vane type Hydraulic Pump			
Control Valve	4 spool control valve with built in pressure relief valve			
Hydraulic Filter	Suction Line has 100 mesh inline strainer while return line has 25 microns full flow filter			
DRIVETRAIN				
Drive Type	2-Wheel Drive Heavy duty transmission especially developed for crane application, constant mesh gearbox coupled with straight drive axle, 8F & 2R speeds with high/low selector lever			
Creep Speed	1.7 km/h, ideal for crane application			
Max Speed	29 km/h (unladen)			
Clutch	Heavy-duty cerametallic clutch, asbestos-free for longer life			
STEERING				
Type	Articulated power steering hydraulically controlled through 2 hydraulic jacks			
Articulation	Up to 48° either side			
Turning Radius	7 m			
HYDRA 14	2P	3P	4P	3P EX
Boom	2 part hydraulically powered	3 part hydraulically powered & fully synchronized	4 part, 3 part hydraulically powered & fully synchronized, 4 th part power extended & manually pinned	3 part hydraulically powered & fully synchronized
Derricking	Through double acting Jacks -5° to + 55° angle	Through double acting Jacks -5° to + 60° angle	Through double acting Jacks -5° to + 55° angle	Through double acting Jacks -5° to + 60° angle
Type	Slotted Boom	Slotted Boom with Rope Compensation		Non Slotted Boom with Rope Compensation
Hoist	Optional	6 Falls, Hydraulic winch 12 t capacity with in-built safety brakes		4 Falls, Hydraulic winch 10 t capacity with in-built safety brakes
Wire Rope	Optional	13 mm dia		
Hydraulic Tank		65 l		
Fuel Tank		38 l		
Track	Front	1.98 m		
	Rear	1.68 m		
Tyres	Front	11.00 x 20 -16PR (4 no's.) Pressure 110-115 PSI		
	Rear	13.00 x 24 - 12 PR (2 no's.)Pressure 35 PSI, Water ballasted		
Length	10.78 m	11.64 m	11.39 m	11.64 m
Width	2.55 m	2.55 m	2.55 m	2.55 m
Height	3.10 m	3.10 m	3.10 m	3.10 m
Operating Weight	10 900 kg	11 500 kg	11 750 kg	11 500 kg

ELECTRICAL SYSTEM	
Battery	12 V, Negative Earth, 88 Ah
BRAKES	
Front Wheel	'S' cam pneumatically actuated drum brakes Pneumatically actuated disc brakes Hand control valve operated, Air-assisted parking brake at front wheels
Rear Wheel	
Parking	
SAFETY SYSTEM	
• Overload Audio Warning System • Safety Brakes on Hoist • Cylinder Guards for Protection • Counter Balance Protection Valve in the Lift Circuit against Hose Burst • Visual warning for Parking Brakes ON • Low Air Pressure Warning Buzzer • Front or Rear Handles for Helper in Cabin • Neutral Start Safety Switch • Regeneration text pop-up message in instrument cluster	
STANDARD ACCESSORIES	OPTIONAL ACCESSORIES
• Lift Cylinder Guard • Front Bumper • Turn & Reverse Lamp • Driver Seat with Seat Belt • Mobile Charging Socket • Battery Cut-off Switch • High Reliability Rocker Switch • Ignition Switch - ON/OFF • IP67 Sealed Connectors in Wiring Harness • Digital Instrument Cluster (CAN based) • Rear Tyres Mud Guard • Extra Rear Foot Step	• Fly Jib • Fire Extinguisher • Safe Load Indicator • Storage Box • Man Carrying Basket • Tyres: Rear: 14 X 24 - 16 PR HD Front: 10 X 20 - 16 PR

Service & Spare Parts Support

- Warranty and post warranty service.
- On-site service through a wide network of dealerships.
- Field diagnostic vehicle for immediate on-site resolution.
- Complete range of genuine spare parts & lubricants.



80+ Dealers



200+ Service & Touchpoints





Toll Free No.: 1800-180-4488
(Timings: 9:00 am - 5:30 pm, Monday to Saturday)

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Download Customer App for more details

Authorised Dealer

• The information contained in this leaflet is intended to be of a general nature only. • We reserve the right to change specifications without notice. • All Dimensions and weights are variable within +/-5%

Accessories as shown in the picture may not be part of standard fitment and are subjected to change without prior notice

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