



Nextgen Hydraulic Crane Capacity: 15 tonnes

Rough terrain and rugged, 4x4 articulated NextGen pick 'n' move crane





Specifications F 150

ENGINE Velvo Eicher (CEV Stage IV) Dissel Engrie Model E493 CRD1. 4 cylinder, Water Cooled, Turbo Charged Engine with Electronic Control Unit (ECU) Mex. Rating 74 HP (55kW) at 2200 RPM TRANSMISSION Heavy Duty Synchromeeth with 10 Forward and 2 reverse speeds, Auxiliary Gear Eax with Hill.cov & 2VV/MAVD selector. Axiles Front axile is rigidly mounted on the chassis and Rear axile is mounted with 2 Nos. leaf Springs. Drivo 2 / 4 Wheel driva. Cliutch Heavy Duty, single, dry friction type hydraulic dutint. Top Speed 40 Kmph on even metaled Road (without load) Creep Speed 1.3 Kmph Gradeability 40 % (unladen) BRAKES Pheumatically operated dual circuit branch size on Front and Pear viveles. Parking brake is presentatedly operated spring actuated falls alse bype. STEERING Hydraulically operated steering wheel with 42* Articuitation on other axide and turning radius of 7.5 Mbts (approx) on outer rear wheels. BROM LUFFING Range 800M LUFFING Range Collect International Collector Codes (P-Codes) Range BOM LUFFING Range Collector International Collector Codes (P-Codes) Extractor filer. Collector International Collector Codes (P-Codes) Extractor filer. Collector International Collector Codes (P-Codes) Extractor filer. Collector Codes (P-Code		45.7	EL EGEDIO AL	40 N " 5 " (400 N 5 ")
Model E483 CRIDI, 4 Sylinder, Water Cooled, Turb Charged Engine with Electronic Control Unit (ECU) TRANSMISSION TRANSMISSION Heavy Duty Synchromesh with 10 Forward and 2 reverse speeds, Auxillary Gear Box with HiLlow & 2/VD/M4VD selector, Eront axel is rigidly mounted on the chassis and Rear axel is mounted with 2 Nos. leaf Springs. Drive 2 / 4 Wheel drive. Heavy Duty, single, dry friction type hydraulic clutch. Top Speed 40 Kmph on even metaled Road (without load) Creep Speed 1.3 Kmph Gradeability 40 % (unladen) BRAKES Pneumatically operated dual circuit brakes on Front and Rear wheels. Parking brakes permantically operated spring actuated fall safe type. STEERING Hydraulically operated steering wheel with 40 'Articulation on either side and turning radius of 7.5 Mtrs (appray) on outer rear wheels. Parking brakes permantically operated spring actuated fall safe type. STEERING Hydraulically operated steering wheel with 40 'Articulation on either side and turning radius of 7.5 Mtrs (appray) on outer rear wheels. TELESCOPIC 4 part slotted boom, 2 part hydraulically operated & synchronized and sith part power extended (15.5 mits height) BOOM LUFFING Range C Gear / Intra Vane type Main Pump, Five spools control valve with bulls in Relief Valve. Suction line has 100 mosth size Strainer white return line is litted with 25 micron filter. To oduble acting synchronic or and two double acting synchronic or and two double acting synchronic or and two double acting synchronic point and two double acting steering cylinders, one double acting synchronic point and two double acting sering cylinders. First Ask By Engine	LIFTING CAPACITY	15 Tonnes	ELECTRICAL SYSTEM	12v, Negative Earth (100 AH Battery)
Electronic Control Unit (ECU) Wheel Base 3800 mm	ENGINE			
Max, Rating 74 HP (55kW) at 2200 RPM TRANSMISSION Heavy Duty Synchromesh with 10 Forward and 2 reverses speeds. Auxiliary Gear Box with Hi/Low & 2WD/4WD selector. Axiles Front axile is rigidly mounted on the chassis and Rear sate is mounted with 2 Nos. leaf Springs. Drive 2 / 4 Wheel drive. Clutch Heavy Duty, single, dry friction type hydraulic clutch. Heavy Duty, single, dry friction type hydraulic clutch. Heavy Duty, single, dry friction type hydraulic clutch. How Duty, single, dry friction type hydraulically operated spring actuated fall asafe type. BRAKES Preumetically operated dual circuit brakes on Front and Rear wheels. Parking brake is pneumatically operated spring actuated fall asafe type. STEERING Hydraulically operated steering wheel with 40° Articulation on either side and turning radius of 7.5 Mrs (approx) on outer rear wheels. Approx) on outer rear wheels. TELESCOPIC BOOM Prove Hydraulically operated steering wheel with 40° Articulation on either side and turning radius of 7.5 Mrs (approx) on outer rear wheels. Approx on outer rear wheels. Front outer figure Province Approx on outer rear wheels. TELESCOPIC A part steeted boom. 2 part hydraulically operated spring actuated fall asafe type. BOOM LUFFING A part steeted boom. 2 part hydraulically operated spring actuated that part power extended (15.5 mtrs height) BOOM LUFFING C Gear / Infra Vane type Main Pump. Five species control valve with built in Relief Valve. Suction line has 100 meeh size Strainer while return line is fitted with 25 micro filter. To double acting attending the cylinders, one double acting steering cylinders. HOIST Wheel Track SAFETY Heavillow Audio Over hosting indication on the state with 141 Low & Electrost port folk view and 182 mrs. height in 182 mrs. height in 182 mrs. A side of micro over the part type and 182 mrs. A side of micro over the part type and 182 mrs. Safety Power the Program over the part type and 182 mrs. A side Proximity Sensors Max Capacity) Safety Power the Proximity Sen		Cooled, Turbo Charged Engine with	TYRES	11.00 x 20 - 16 PR (8 Nos.)
TRANSMISSION Heavy Duty Synchromesh with 10 Forward and 2 reverse speeds. Auxilliary Gear Box with HI/Low & 2WD/AWD selector. Front axie is rigidly mounted on the chassis and Rear axie is mounted with 2 Nos. leaf Springs. Drive 2 / 4 Wheel drive. Clutch Heavy Duty, single, dry friction type hydraulic clutch. Top Speed 40 Kmph on even metaled Read (without load) Creep Speed 1.3 Kmph Gradeability 40 % (unladen) BRAKES Pneumatically operated dual circuit brakes on Front and Rear wheels. Parking brake is pneumatically operated spring actuated fall safe type. STEERING Hydraulically operated steering wheel with 40° Articulation on either side and turning radius of 7.5 Mitrs (approx) on outler rear wheels. Grown 4 part sloted boom, 2 part hydraulically operated spring actuated for the side of the power actended (1.5 mitrs height) BOOM LUFFING A gear Infra Varse type Main Pump. Five spoods control valve with built in Relief Valve. SYSTEM Winch is driven by hydraulic motor and flood with ope tension cylinder and two double acting extension cylinder and two double acting extension cylinders and two double acting steering cylinders. HOIST Winch is driven by hydraulic motor and flood employing 4-6 falls of 13 mm dia rope Note of the complex of 15 mm dia rope Note of the c		Electronic Control Unit (ECU)		3800 mm
10 Forward and 2 reverse speeds, Auxillary Gear Box with HVLow & 2WID/4WD selector.	Max. Rating	74 HP (55kW) at 2200 RPM	Wheel Track	1825 mm
Asiles Front axie is rigidly mounted on the chassis and Rear axie is mounted with 2 Nos. leaf Springs. Drive 2 / 4 Wheel drive. Clutch Heavy Duty, single, dry friction type hydraulic clutch. Top Speed 40 Kmph on even metaled Road (without load) Creep Speed 1.3 Kmph Gradeability 40 % (unladen) BRAKES Pneumatically operated dual circuit brakes on Front and Rear wheels. Parking brake is pneumatically operated spring actuated fail safe type. STEERING Hydraulically operated dual circuit wheel with 40° Articulation on either side and turning radius of 7.5 Mms (approx) on outer rear wheels. PROM LUFFING Range BOOM LUFFING Range BOOM LUFFING Five spoofs control valve with built in Relief Valve. SYSTEM Gear / Infra Vane type Main Pump. Five spoofs control valve with built in Relief Valve. System System System Winch is driven by hydraulic motor and fitted with rope tensioner, Hoisting is provided through self-adjusting hook block employing 4/6 falls of 13 mm dia rope OPERATING OPERATING 1552 Kgs.	TRANSMISSION	10 Forward and 2 reverse speeds. Auxilliary Gear Box with Hi/Low &	SAFETY	 Audio Over hoisting Indication
Clutch Heavy Duty, single, dry friction type hydraulic clutch. Top Speed 40 Kmph on even metaled Road (without load) Creep Speed 1.3 Kmph Gradeability 40 % (unladen) BRAKES Pneumatically operated dual circuit brakes on Front and Rear wheels. Parking brake is pneumatically operated spring actuated fail sale type. STEERING Hydraulically operated steering wheel with 40° Articulation on either side and turning radius of 7.5 Mtrs (approx) on outer rear wheels. (approx) on outer rear wheels. Parking brake special and 4th part power extended (15.5 mtrs height) BOOM LUFFING Range BOOM LUFFING Five spools control valve with built in Relief Valve. System Gear / Infra Vane type Main Pump. Five spools control valve with built in Relief Valve. Suction line has 100 mesh size Strainer while return line is fitted with 25 micron filter. Two double acting extension cylinders and two double acting extension splinders and two double acting steering cylinders. Winch is driven by hydraulic motor and fitted with rope tensioner, Hoisting is provided through self adjusting hook block employing 4/6 falls of 13 mm dia rope. OPERATING STANDARD E Front work lights Reflectors and rear view mirror Tool kit Cabin tan Wijer motor Instrument Cluster - a) Fivel level gauge b) Air pressure gauge c) Oil pressure gauge c) Oil pressure gauge d) Coolant temp e) Engine RPM f) Speedometer g) Odo meter h) Engine Hour Recorder l) Fault Detector Codes (P-Codes) Rear view camera Front Outriggers Beacon Rotating Light OPTIONAL EQUIPMENT Volvo Eicher 101 HP Engine. Five schipulater First extinguisher First first first extinguisher First extinguishe	Axles	chassis and Rear axle is mounted		 Self-Adjusting Hook Block
Front work lights hydraulic clutch hydraulic clutch rydraulic clutch Road (without load) Creep Speed 1.3 Kmph Gradeability 40 % (unladen) BRAKES Pneumatically operated dual circuit brakes on Front and Rear wheels. Parking brake is pneumatically operated spring actuated fall safe type. STEERING Hydraulically operated steering wheel with 40° Articulation on either side and turning radius of 7.5 Mtrs (approx) on outer rear wheels. TELESCOPIC BOOM BOOM LUFFING Range HYDRAULIC SYSTEM Gear / Infra Vane type Main Pump. Five spools control valve with built in Relief Valve. Suction line has 100 mesh size Strainer while return line is fitted with 25 micron filter. Two double acting extension cylinders and two double acting steering cylinders. Winch is driven by hydraulic motor and fitted with rope tensioner. Hoisting is provided through self adjusting hook block employing 4/6 falls of 13 mm dia rope Pive spools control valve with only in grant provided through self adjusting hook block employing 4/6 falls of 13 mm dia rope Pive spools control valve with only in grant provided through self adjusting hook block employing 4/6 falls of 13 mm dia rope Power and rear view mirror Tool kit Cabin front Class of ear view mirror Introduction in the Cabin fan Winch is driven by hydraulic motor and fitted with rope tensioner. Hoisting is provided through self adjusting hook block employing 4/6 falls of 13 mm dia rope OPERATING Front Work lights Reflectors and rear view mirror Introduction in the Cabin fan Winch is driven by hydraulic motor and fitted with rope tensioner. Hoisting is provided through self adjusting hook block employing 4/6 falls of 13 mm dia rope OPERATING Front Work lights Reflectors and rear view mirror Introduction Introduc	Drive	2 / 4 Wheel drive.		
Top Speed A0 Kmph on even metaled Road (without load) Creep Speed 1.3 Kmph Gradeability 40 % (unladen) BRAKES Pneumatically operated dual circuit brakes on Front and Rear wheels. Parking brake is pneumatically operated spring actuated fall safe type. STEERING Hydraulically operated steering wheel with 40° Articulation on either side and turning radius of 7.5 Mrs (approx) on outer rear wheels. TELESCOPIC BOOM BOOM LUFFING Range Apart slotted boom, 2 part hydraulically operated & synchronized and 4th part power extended (15.5 mtrs height) BOOM LUFFING Range HYDRAULIC SYSTEM Ce Gear / Infra Vane type Main Pump. Five spoots control valve with built in Relief Valve. Suction line has 100 mesh size Strainer while return line is fitted with 25 micron filler. Two double acting ist cylinders, one double acting steering cylinders. Winch is driven by hydraulic motor and fitted with rope tensioner. Holisting is provided through self adjusting hook block employing 4/6 falls of 13 mm dia rope OPERATING Tool kit Cabin fan Wirner motor Instrument Cluster: a) Fuel level gauge b) Air pressure gauge c) Oli pressure gauge c) Colorant temp e) Engine RPM f) Speedometer g) Odo meter h) Engine Hour Recorder l) Fault Detector Codes (P-Codes) Rear view camera Front Outriggers Beacon Rotating Light OPTIONAL EQUIPMENT OPTIONAL EQUIPMENT OPTIONAL Five spoots control valve with built in Relief Valve. Suction line has 100 mesh size Strainer while return line is fitted with 25 micron filler. Five spoots control valve with built in Relief Valve. Suction line has 100 mesh size Strainer while return line is fitted with 25 micron filler. Five spoots control valve with built in Relief Valve. Suction line has 100 mesh size Strainer while return line is fitted with 25 micron filler. Five strainer while return line is fitted with 25 micron filler. Five strainer while return line is fitted with 25 micron filler. Five strainer while return line is fitted with 25 micron filler. Five strainer while return	Clutch			Front work lights
Creep Speed 1.3 Kmph Gradeability 40 % (unladen) BRAKES Pneumatically operated dual circuit brakes on Front and Rear wheels. Parking brake is pneumatically operated spring actuated fall safe type. STEERING Hydraulically operated steering wheel with 40° Articulation on either side and turning radius of 7.5 Mtrs (approx) on outer rear wheels. TELESCOPIC BOOM 4 part slotted boom, 2 part hydraulically operated 8 synchronized and 4th part power extended (15.5 mtrs height) BOOM LUFFING Range -7° to + 70° BOOM LUFFING Range -7° to + 70° BYSTEM Five spools control valve with built in Relief Valve. Suction line has 100 mesh size Strainer while return line is fitted with 25 micron filter. Two double acting extension cylinders and two double acting extension cylinders and two double acting steering cylinders. Winch is driven by hydraulic motor and fitted with rope tensioner. Hoisting is provided through self allusting hook block employing 4/6 falls of 13 mm dia rope OPERATING Wipper motor Instrument Cluster: a) Fuel level auge b) Air pressure gauge c) Oil press	Top Speed			Tool kit
BRAKES Pneumatically operated dual circuit brakes on Front and Rear wheels. Parking brake is pneumatically operated spring actuated fall safe type. STEERING Hydraulically operated steering wheel with 40° Articulation on either side and turning radius of 7.5 Mtrs (approx) on outer rear wheels. (approx) on outer rear wheels. TELESCOPIC BOOM BOOM LUFFING (approx) on outer and 4th part power extended (15.5 mtrs height) BOOM LUFFING Range HYDRAULIC SYSTEM Five spools control valve with built in Relief Valve. Suction line has 100 mesh size Strainer while return line is fitted with 25 micron filler. Tive double acting steering cylinders, one double acting steering cylinders and through self adjusting hook block employing 4/6 falls of 13 mm dia rope OPERATING Pive Ilevel gauge b) Air pressure gauge c) Oil pressure gauge c	Creep Speed	1.3 Kmph		Wiper motor
BRAKES Pneumatically operated dual circuit brakes on Front and Rear wheels. Parking brake is pneumatically operated spring actuated fail safe type. STEERING Hydraulically operated steering wheel with 40° Articulation on either side and turning radius of 7.5 Mtrs (approx) on outer rear wheels. TELESCOPIC BOOM BOOM LUFFING Range - 7° to + 70° Gear / Infra Vane type Main Pump. Five spools control valve with built in Relief Valve. System System Gear / Infra Vane type Main Pump. Five spools control valve with built in Relief Valve. Suction line has 100 mesh size Strainer while return line is fitted with 25 micron filter. Two double acting extension cylinder and two double acting steering cylinders. HOIST Winch is driven by hydraulic motor and fitted with rope tensioner. Hoisting is provided through self adjusting look block employing 4/6 falls of 13 mm dia rope OPERATING Air pressure gauge C Oil pressure gauge C Dian temp E Pigine RPM 1) Speedometer 9) Odo meter h) Engine Hour Recorder h) Fault Net Pector Codes (P-Codes) Rear view camera Front Outriggers Beacon Rotating Light OPTIONAL EQUIPMENT OPTIONAL EQUIPMENT Volvo Eicher 101 HP Engine. Tata 49 HP Engine Fyly jib (1.25 Tonnes Max. Capacity) Safe load indicator/ LMI Over Hoist hydraulic cutoff Fire extinguisher C abin Front Glass Protector Helper / Slinger Seat Drag Winch Spark arrestor 4 part slotted boom (18.9 mtrs, height) For k Attachment For k Attachment For k Attachment For k Attachment Ram Attachment OPERATING	Gradeability	40 % (unladen)		
### STEERING Hydraulically operated steering wheel with 40° Articulation on either side and turning radius of 7.5 Mtrs (approx) on outer rear wheels. #### Steel Boom	BRAKES	brakes on Front and Rear wheels. Parking brake is pneumatically operated		b) Air pressure gaugec) Oil pressure gauged) Coolant tempe) Engine RPM
poerated & synchronized and 4th part power extended (15.5 mtrs height) Prover extended (15.5 mtrs height) OPTIONAL EQUIPMENT Gear / Infra Vane type Main Pump. Five spools control valve with built in Relief Valve. Suction line has 100 mesh size Strainer while return line is fitted with 25 micron filter. Two double acting lift cylinders, one double acting extension cylinder and two double acting steering cylinders. Winch is driven by hydraulic motor and fitted with rope tensioner. Hoisting is provided through self adjusting hook block employing 4/6 falls of 13 mm dia rope OPTIONAL EQUIPMENT OPTIONAL EQUIPMENT Volvo Eicher 101 HP Engine. Tata 49 HP Engine Fly jib (1.25 Tonnes Max. Capacity) Safe load indicator/ LMI Over Hoist hydraulic cutoff Fire extinguisher Cabin Front Glass Protector Helper / Slinger Seat Drag Winch Spark arrestor 4 part slotted boom (18.9 mtrs. height) Front & Side Proximity Sensors Man Basket Attachment Fork Attachment Ram Attachment OPERATING 15525 Kgs.	STEERING	wheel with 40° Articulation on either side and turning radius of 7.5 Mtrs		g) Odo meter h) Engine Hour Recorder l) Fault Detector Codes (P-Codes)
Range - 7° to + 70° - 7° to 4 9 HP Engine - Fly jib (1.25 Tonnes Max. Capacity) - Safe load indicator/ LMI - Over Hoist hydraulic cutoff - Fire extinguisher - Cabin Front Glass Protector - Helper / Slinger Seat - Drag Winch - Spark arrestor - 4 part slotted boom (18.9 mrs. height of the part of th		operated & synchronized and 4th part		• • • • • • • • • • • • • • • • • • • •
HYDRAULIC SYSTEM Gear / Infra Vane type Main Pump. Five spools control valve with built in Relief Valve. Suction line has 100 mesh size Strainer while return line is fitted with 25 micron filter. Two double acting lift cylinders, one double acting extension cylinder and two double acting steering cylinders. HOIST Winch is driven by hydraulic motor and fitted with rope tensioner. Hoisting is provided through self adjusting hook block employing 4/6 falls of 13 mm dia rope Gear / Infra Vane type Main Pump. Safe load indicator/ LMI Over Hoist hydraulic cutoff Fire extinguisher Cabin Front Glass Protector Helper / Slinger Seat Drag Winch Spark arrestor 4 part slotted boom (18.9 mtrs. heigh Front & Side Proximity Sensors Man Basket Attachment Fork Attachment Ram Attachment Fork Attachment Tam Attachment Fork Attachment Tam Attachment Fork Attachment Tam Attachment	BOOM LUFFING Range	- 7° to + 70°		Tata 49 HP Engine
Winch is driven by hydraulic motor and fitted with rope tensioner. Hoisting is provided through self adjusting hook block employing 4/6 falls of 13 mm dia rope OPERATING Fork Attachment Ram Attachment 15525 Kgs.	HYDRAULIC SYSTEM	Five spools control valve with built in Relief Valve. Suction line has 100 mesh size Strainer while return line is fitted with 25 micron filter. Two double acting lift cylinders, one double acting extension cylinder and		 Safe load indicator/ LMI Over Hoist hydraulic cutoff Fire extinguisher Cabin Front Glass Protector Helper / Slinger Seat Drag Winch Spark arrestor 4 part slotted boom (18.9 mtrs. height Front & Side Proximity Sensors
OPERATING 15525 Kgs.	HOIST	fitted with rope tensioner. Hoisting is provided through self adjusting hook block employing 4/6 falls of 13 mm dia		 Fork Attachment
Hoist Speed 50 Mtr/Min (Line Speed) WEIGHT	Hoist Speed	rope 50 Mtr/Min (Line Speed)		15525 Kgs.

ACB









OUTRIGGERS
Front Outriggers for added safety during high lift operations.



ENGINE

Volvo Eicher (CEV Stage IV) CRDi Diesel Engine Model E483 with nation wide service support and spares availability



ELECTRONIC CLUSTER

Digital Electronic Cluster with advanced features.



INCREASED VISIBILITY

Bigger size front windscreen and re-routing of hoses provide much better front visibility.

HEIGHT-METRES



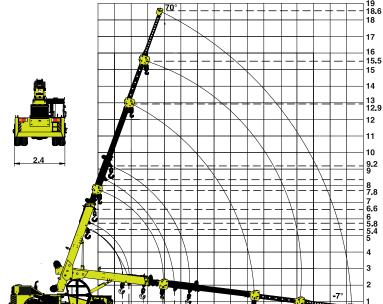
OPTIMIZED KINEMATICS AND LOW C.G.

F 150 crane has been designed for operational safety with low Center of Gravity (C.G.) providing best in class stability



STEERING WHEEL &

Ergonomically placed operator console and instrument cluster ensures ease of operation.



ROPS CABIN

and driveability.

Front mounted, ergonomically

Max. Capacity Fly jib : 1.25 Tonnes
 Max. Capacity manual extension : 2.0 Tonnes

designed Cabin for better visibility

F150 Crane with 4 part boom + Flyjib



ECL

Electronic control unit for better fuel economy and diagnostic trouble shooting



After treatment system for Emission Control in 101 HP Variant

NOTE - SWL ARE BASED ON 85% STABILITY & STRENGTH

ALL DIMENSIONS IN METERS 5%.

9.5 1.8

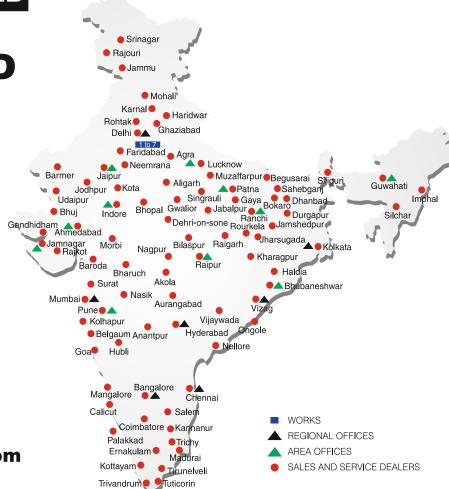
BUILT TO PERFORM





NETWORK

RELIABLE AND **DEPENDABLE EFFICIENCY**





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HERE TO SERVE YOU.

SPARE PARTS & SERVICE

ACE has all India Sales and Service network operating out of all the major cities. These outlets are fully equipped to provide genuine spare parts and services by company trained engineers. These outlets are further supported by company officials based at Delhi, Mumbai, Chennai, Kolkatta, Ahmedabad, Surat, Pune, Jaipur, Chandigarh, Ranchi, Raipur, Indore, Bhubneshwar, Lucknow, Jamnagar, Hyderabad, Bangalore, Guwahati, Patna, Vizag & Kochi.



Action Construction Equipment Ltd.

Contact:

