

Load Charts

With forks and standard 405/70 x 20 tyres or DUNLOP 400/70 x 20 150B 168A2 (option) tyres	Complies with stability test EN1459 Annex B
With forks and DUNLOP 400/80 x 24 156B (option) tyres	Complies with stability test EN1459 Annex B
With forks and DUNLOP 405/70 x 20 SPT9 (option) tyres	Complies with stability test EN1459 Annex B

Performance

Max. gradeability with rated load (24" tyres)	33.00
Lifting height (24" tyres)	7505.00MM
Capacity (at max. height on tyres)	1800.00KG
Drawbar pull (24" tyres)	7200.00
Rated capacity	4300.00KG
Max. reach (24" tyres)	4022.00MM
Tilt Breakout force	7000.00
Max. gradeability (24" tyres)	33.00
Reach at max height on tyres (24" tyres)	527.00MM
Capacity at max. reach (24" tyres)	1600.00KG

Cycle Times

Dumping	2.00
Boom retraction	4.50
Boom extension	5.00
Crowding	2.30
Boom raising	6.50
Boom lowering	5.00

Hydraulic System

Auxiliary flow rear	150.00
Relief valve pressure setting	255.00BAR
Control valve type	Close center with flow sharing & flow compensator s technology
Hydraulic tank	59.00L
Hydraulic filter specs	Full flow filtration
Auxiliary flow front	150.00
Pump type	LS piston pump with electric displacement limiter
Pump capacity	190.00

Drive System

Transmission	Hydrostatic with electronic regulation
Main drive	Hydrostatic motor + 2 speed gearbox

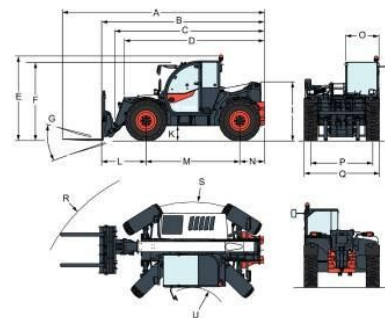
Traction

Optional tyres BIBLOAD 460/70R24 159A8/159B DUNLOP	MICHELIN
MICHELIN 500	405/70R24 168A2 152J MPT SPT9
MICHELIN BIBLOAD	/70R24 164A8/164B IND TL XMCL
MICHELIN 500/70R24 164A8	460/70R24 159A8/159B
MICHELIN 460/70R24 159A8/159B	/164B IND TL XMCL
ALLIANCE 460/70-R24 159A8	XMCL IND TL
400/80-24 162A8 IND TL POWER CL	MICHELIN
400/80-24 162A8 IND TL POWER CL NOKIAN	MICHELIN
DUNLOP 405	460/65R24 156A8/151D TRI STEEL TL
ALLIANCE 460/70-R24	/70R24 168A2 152J MPT SPT9
CAMSO TLH 792S 13.00-24 (Solid Tire) CAMSO	159A8
	TLH 792S 13/24

Brakes

Parking and emergency brake	Passive brake
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Dimensions



(A) 6180.00 MM	(M) 2870.00 MM
(B) 4975.00 MM	(N) 754.00 MM
(C) 4585.00 MM	(O) 1013.00 MM
(D*) 4256.00 MM	(P) 1895.00 MM
(E*) 2587.00 MM	(Q) 2300.00 MM
(F*) 2457.00 MM	(S*) 3714.00 MM
(I*) 1770.00 MM	(U*) 1092.00 MM
(K) 346.00 MM	(R*) 4883.00 MM
(K*) 430.00 MM	(G) 152.00
(L) 1352.00 MM	

Engine braking	Hydrostatic
Parking brake	Passive brake
Steering	
Steering Mode	2 wheel steering / 4 wheel steering / Crab steering
Steering pump	Priority valve on control valve
Steering modes	Button and screen for selection

Fluid Capacities

Gear Box	1.80L
Adblue ® tank	28.80L
Axles front/rear	9,1/9,1
Hydraulic system	126.00L
Cooling system with heater	15.00L
Fuel tank	138.00L
Engine oil with filter	14.00L

Fluid Specifications

Grease for hinges and boom gliders	TOTAL MULTIS EP2
Brake fluid	None. Brakes use hydraulic system pressure
Transmission oil	ELF SF3 / TOTAL DYNATRANS FR
Coolant	Ethylen Glycol Mix 50:76
Engine oil	"ACEA E7/9 API CJ-4 or above Viscosity: -30 to 40 °C : SAE 0W30 -20 to 40°C : SAE 5W30 -15 to 40°C : SAE 10W30"
Hydraulic fluid	MS68

Controls

Service brake	Pedal-activated wet multi-disk on front axle
Oil	immersed discs

Environmental

Sound pressure level at the operator station 2014 /1322 Annexe XIII - 40kmh : doors closed (doors opened) (LpA)	73 dB(A)
Operator noise level (LpA) (EN 12053)	73.00
Whole body vibration (EN 13059)	1.20
Level of acoustic power (LWA)	107.00

Safety

Front and rear work lights, standard	Use for indoor and low light operation
Parking brake, standard	Always set brake when leaving the machine
Seat belt, standard	Should always be worn when operating the machine
Rear window, standard	For emergency exit
Fully enclosed operator cab. standard	Enclosed operator cab. Meets SAE-J1040 and ISO 3471 for Roll Over Protective Structure (ROPS) and SAE-J1043 and ISO 3449 for Falling Objects Protection Structure (FOPS).
Back-up alarm, standard	For use in jobs with low visibility. Alarm sounds when operated in reverse.
Emergency button, standard	Switches off the engine and blocks boom movements.
Boom stop, standard	Use for servicing if boom is raised
Rated load capacity charts, standard	Attached inside the cab. Provide rated load capacities for loads and attachments.
Grab handles, standard	Should always be used when entering/exiting the telescopic

Electrical

Alternator	140.00
Starter	2.70KW
Battery	110.0

Engine

Fuel	"Diesel fuel low Sulphur - EN 590 : 2013 -ASTM D975C-15 Grade 1D or 2D S15"
DIESEL	

Weights

Unladen operating Weight (24" tyres)	8180.00KG
Max ground Pressure on tyres-hard soil	11.0
Unladen weight (24" tyres)	7985.00KG
Unlade operating Weight on front axle (24" tyres)	3265.00KG
Unladen operating Weight on rear axle (24" tyres)	4915.00KG

Instruments

Gauges	• Engine RPM
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- Total operating hours
 - Boom angle
 - Fuel gauge
- Indicators
- Headlight full beam
 - Position lights
 - Trailer turn
 - Longitudinal stability level
 - Work lights
 - Hazard warning lights
 - Hydraulic function lock
 - Heater fan
 - Engine coolant over-temperature
 - Battery not charging

Serviceability

- Access through the side engine cover and access panel:
- Fuel filter
 - Engine oil dipstick
 - Alternator
 - Glass washer fluid
 - ISL control box

Standard Features

- Frame and Telescopic boom:
- Auxiliary hydraulic line with additional drain line on boom head with Fast Connect System (FCS)
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- Box-welded frame with shielded bottom plate to protect vital parts
 - Spirit level in cabin
 - Boom stop
 - Right and left side mirrors

Cabin and main functions:

- Cabin with full-glass window door
 - ROPS/FOPS (level II) operator cabin
 - Halogen work lights on top of the cabin (2 front + 1 rear) and right rear corner of the machine (x1)
 - Rear wiper with washer
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- Roof window wiper with washer
 - Mechanical suspension seat
 - Back-up alarm

- Standard 5" display with navigation jog shuttle (anti-theft, on-fly settings, rear camera ready & diagnostic page)
- Standard proportional joystick (forward/reverse drive and turtle/rabbit speed)

- Speed management (Creep) to adjust max drive speed whatever engine RPM
- Auxiliary Flow Management (AFM) to adjust and engage a permanent hydraulic flow

- Machine IQ (Telematic)

Drive/Engine/Hydraulic:

- 2 hydrostatic speeds (turtle/rabbit) with auto-shift + 2 speed gear box
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- Inching function combined with brake pedal (for easy low speed approach without changing engine rpm)
 - Turbo-charged engine - Bobcat D34 Stage V - 135hp / 500Nm

- Built-in air cyclonic prefilter with automatic dust evacuation
- High capacity battery 110 Ah/900 CCA able to

- Job hours
- Vehicle speed
- Engine coolant temperature gauge
- Front and rear wheel alignment status on screen
- Headlight low beam
- Left and right turn
- Parking brake
- Windscreen wipers
- Flashing warning light
- Gear Speed choice
- Rear fog lights
- Hydraulic fluid over-temperature
- Low oil pressure
- Longitudinal stability alarm

- Air cleaner
 - Engine oil filter
 - Starter
- Access within the cab:
- Fuses, diodes and relays

- Quicktach carriage with manual attachment lock
- Heavy Duty axles with Limited Slip Differential on front axle (45%)

- Boom cushion retract and lift
- Front tow hitch
- Halogen road lights (front & rear)
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- Pillar free rear panoramic visibility (patented cabin design)
- Full tinted glass
- Automatic parking brake

- Halogen rotating beacon
- Front wiper with washer (high, low & intermittent speeds)
- Tilting steering column
- Heating, demisting and ventilation
- Aggravating Movements Arrester (AMA) compliant with EN15000

- USB plug (mobile charging)

- Smart Handling System (SHS) to adjust boom movement speeds (lifting, telescoping, tilting)

- ECO mode for lower engine fuel consumption

- 3 steering modes (2WS /4WS/CRAB) with semi-automatic wheel realignment (manual mode still available)
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- Hydrostatic transmission with electronic regulation and dynamic drive mode

- 30 km/h max drive speed with 24" tyres (may vary according to applicable regulations)

- Standard tyres - set of 4 x 400/80-24"

- Electronic fuel injection with high pressure common rail - After treatment system with Diesel Particle Filter (DPF), Diesel Oxydation Catalyst (DOC) and Selective Catalytic Reduction (SCR)

- Electronic Battery Disconnection (EBD)

- start at -16 °C

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• 3 year warranty or 3000 hours (refer to the Bobcat standard warranty policy for terms and conditions)

• NB: For Italy, one of the three homologations is mandatory: - Italian operating machine legislation - Italian agricultural road homologation – MAS (Macchine agricole semoventi) - Tractor homologation
- Load Sensing pump 190 l/min with flow sharing distributor

Warranty/Legislation:

• NB: For Germany, mandatory options: - wheel wedge - German legislation

• IMPORTANT: Choice of machine's homologation is only made when ordering. Subsequently, It is no longer possible to change it (not retrofittable!)