



AERIAL

## CHALLENGER 8

## CARRIER

CUMMINS QSB 4.5 Turbo Diesel engine, 173 hp at 2,200 rpm, 780 nm at 1,500 rpm  
 Hydrostatic transmission with automotive control, 4x2 (0 to 25 km/h) / 4x4 (0 to 10 km/h) - construction mode (0 to 3 km/h)  
 Front and rear drive axles, 10 t load with 100% differential lock  
 Electro-hydraulic rear wheel steering in the cabin  
 Turning radius 2-wheel steering: 9 m (4-wheel steering: 4.25 m)  
 Hydraulically assisted disc brakes on all 4 wheels  
 Front and rear tyres: 500/70R24  
 Central box with opening side panels  
 Backhoe pre-equipment  
 Hydraulic tilt adjustment 7° - 12% from the driver's seat (\*) Hydraulic towing winch of 8 t, 30 m of dyneema rope (\*)  
 Right-hand box in the deck (\*)  
 Fuel tank filling pump (\*)  
 Operating weight: 12.650 to 13 metric tons 800, T.G.W. 20 m.t: 10 m.t on front deck and 10 m.t on rear deck.

## HOLDER SUPPORT

Capacity 2 x 4 m.t or 5 m.t and 3 m.t in asymmetric load  
 Swivel rear  
 Extendable front and rear.

## DRILLING / LIFTING CRANE

Kinematics with 2 articulated arms and 2 individually controlled telescopes  
 Continuous rotation by crown turret, slewing gear motor and safety brake  
 Lifting capacity of 8 metric tons at 3.00 m from the turret rotation axis (\*)  
 Maximum height under hook from 11.20 m to 13.80 m with extension 2 m - 1 t (\*)  
 Hydraulic supply with Load Sensing type regulation (Servo-control / pressure flow), consisting of a variable displacement pump and a proportional control valve in high position for the crane and drill functions  
 Hydraulic tool connection 140 bars / 30 l/mn on the rear of the chassis  
 Hydraulic connection, backhoe, 170 bars / 30 l/min on the rear of the chassis, adjustable from 100 to 200 bars / 20 to 40 l/min  
 Automatic accelerator for the combustion engine  
 Capacity limiter depending on stabilisation Radio control of crane and stabs, remote stop and start and control screen (\*)

## DRILL MOTOR

Type FR 1600 on the 1st telescope, effective torque of 1,600 m/kg.  
 Hydraulic motor without reduction, auger drive via 70 mm hexagon rotation L or R.  
 Permanent support with auger on the 1st telescope and release cylinder (\*).

Equipment by type of CHALLENGER 8

TYPE	8S - Export -	8SR7	8SR8	8SRT
Crane	74TA30	74TA30	80TA30	80TA30
Torque	22 m.t	22 m.t	24 m.t	24 m.t
Carrier engine	130cvE3	173cv	173cv	173cv
Lighting full led	NO	OPTIONAL	OPTIONAL	YES
Extendable post holders	NO	YES	YES	YES
Pre-equipment for backhoe	NO	YES	YES	YES
Skew Corrector	NO	OPTIONAL	OPTIONAL	YES
Hydraulic towing winch	NO	OPTIONAL	OPTIONAL	YES
Radio control	OPTIONAL	YES	YES	YES
Radio control stab	OPTIONAL	OPTIONAL	OPTIONAL	YES
Headlight protection	OPTIONAL	OPTIONAL	OPTIONAL	YES
Low trunk	OPTIONAL	OPTIONAL	OPTIONAL	YES
Hydraulic auger release	NO	YES	YES	YES
Fuel tank filling pump	OPTIONAL	OPTIONAL	OPTIONAL	YES
Extension integrated in telescope	NO	OPTIONAL	OPTIONAL	YES



Challenger with hydraulic post clamp



Rear view camera



Cockpit



Radio-control of the crane and stabilizers



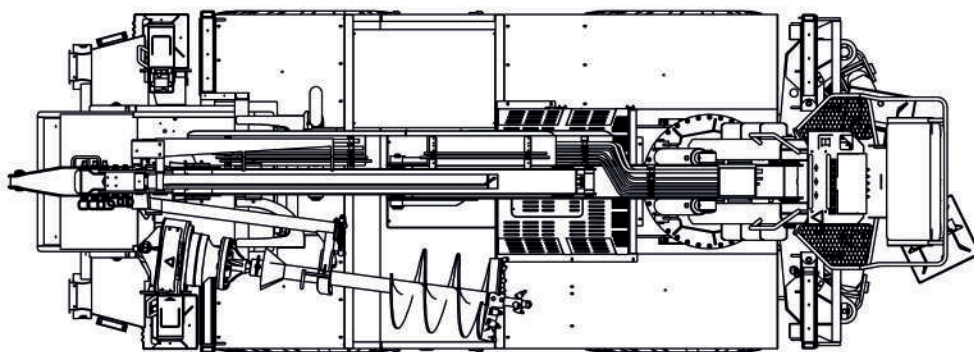
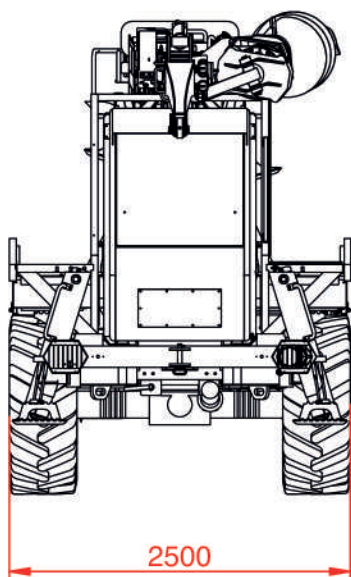
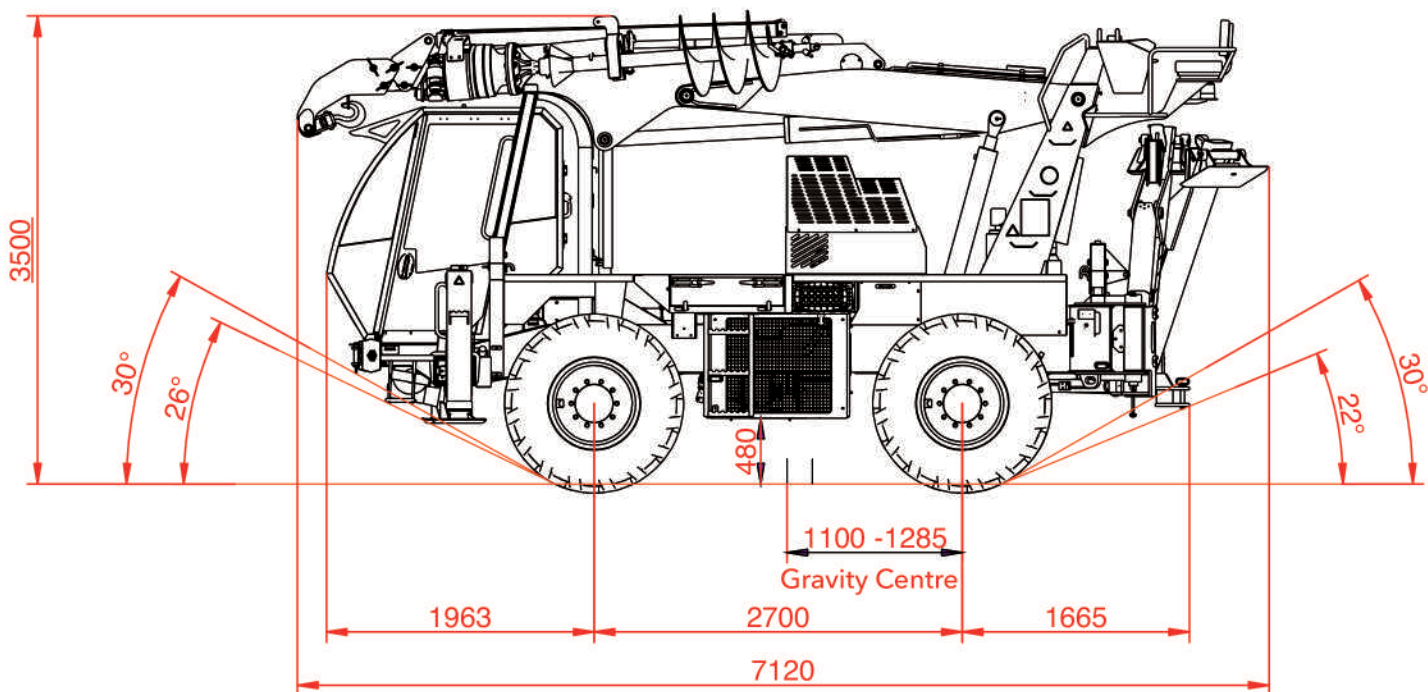
\* According to model

## MAIN OPTIONS

- Polyethylene overshoes for stabilizers
- Remote control for winch on the front of the machine
- Perimeter lighting
- Hydraulic pole clamp, tilting and sliding
- 2 beacons with magnetic base, orange LEDs with cabin charger
- Colour rear view camera and additional camera for winch
- Additional box in the right deck
- Low pressure tyres
- Automatic hydraulic hose reel of 10 m
- Water tank in decking, tap and 10 m hose with protection
- Signalling (class II, orange front and rear penetration)
- Additional LED work light
- LED tri-flash on cabin with swivel support
- Axis for trowel holder
- Concrete bucket on rear stabs
- Auger cutter Ø from 300 to 1200 mm, core drill Ø 400 to 1000 mm
- Post clamp capacity of 3 t
- Cable reel system - hexagonal of 70 mm
- Backhoe 2 t 5 capacity (weight 710 kg)
- Portable hydraulic tools: concrete breaker, pump, tamper, hammer drill, grinder...



# CHALLENGER 8



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