

D20

DUMP TRUCK

- Payload(kg):20000
- GVW(kg):36000
- Dump Body Capacity Heap(SAE 2:1)
- Max Power: 187Kw @ 2100 rpm.
- Max Torque : 1019 Nm @ 1500 rpm.

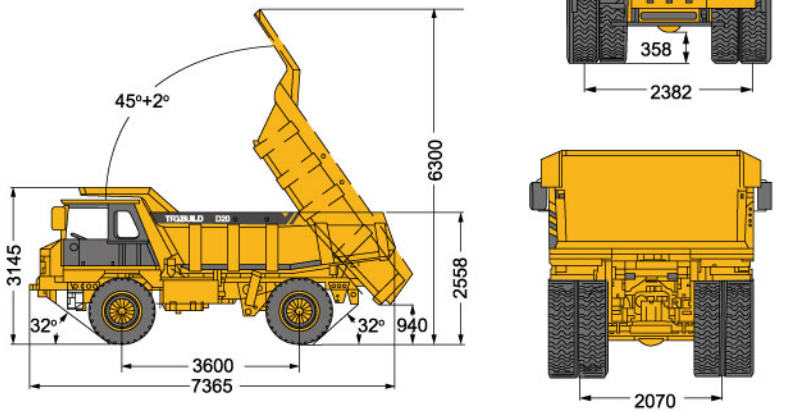


TRXBUILD D20 will outmanoeuvre its peers on any given day.

Specially designed and developed for small-size mining and quarry projects, the TRXBUILD D20 is also suitable for infrastructure projects. Equipped with a lightweight manual transmission for higher efficiency, reliability and ease of maintenance, its compact size also allows for higher manoeuvrability and a smaller turning radius.

TRXBUILD™
ENGINEERING PRODUCTIVITY

A Brand of Singapore Technologies Kinetics Ltd



Specifications

Model	D20
Drive	4x2
Kerb weight(kg)	16000
Payload(kg)	20000
GVW(kg)	36000
Overall Length(mm)	7365
Overall Width(mm)	2909
Overall Height(mm)	3145
Wheelbase(mm)	3600
Track Front/Rear(mm)	2382 / 2070
Top Speed(km/h)	38
Max Gradability(%)	29
Approach Angle(deg)	32
Departure Angle(deg)	42
Min Turning Diameter(m)	<18
Dump Body Capacity struck(m ³)	10.7
Dump Body Capacity Heap(SAE 2:1)(m ³)	13.9
Tyre Size	14.00 - 24
Rim Size	10.00 - 24

Note: Specifications are subject to change by the manufacturer without prior notice.

ENGINE

Make/Model: Cummins NT855-C250S10. Type: 4-cycle water cooled; turbocharged with aftercooler c/w Jacob engine brake.
Cylinder/Configuration: 6 in-line.
Bore x Stroke: 140mm x 152mm.
Total Displacement: 14 litres.
Max Power – 187 kW @ 2100rpm
Max Torque – 1019 Nm @ 1500 rpm

CLUTCH

14" double plate dry clutch, air assisted.

TRANSMISSION

Make/Model: Fuller 8JS 118C.
Type: Manual type with 7 forward and 1 reverse.

FRAME

Fabricated from high tensile steel with casting process at critical points. Main chassis framework are of box section structure.

AXLE

Front axle: Independent air over hydraulic piston suspension. Suspension pistons serves as king pin.
Drive Axle: Main reduction with heavy duty single stage spiral bevel gear.
Total reduction ratio: 13.78: 1

STEERING

Orbitrol power steering control with hydraulic pressure pump. The emergency turning pump will kick in should the hydraulic steering fail.

BRAKES

Dual circuit pneumatic drum brake system on both front and rear wheels. Dry/wet road brakes can be selected through a valve to correspond with different road conditions.

SUSPENSION

Independent air over hydraulic suspension units on front wheels and air over hydraulic units on rear axle. Front suspension cylinders bolted and keyed directly onto chassis. Piston act as front wheel king pins.

HOIST

Two 3-stage cylinders mounted on the outer side of the chassis frame. The body hydraulic system is independent of the steering hydraulic system. Body raise/lower time: 18 sec/25 sec.

CABIN

Ergonomically designed, all steel construction, left hand drive cabin. Insulated against heat and noise. Comprehensive instrument suite. Good all round visibility and fully protected by automotive glass. Integrated air conditioner with heater. Pneumatic suspension driver seat with safety belt.

BODY

Wedge profile type for quick clean discharge. Body wear surfaces are high hardness steel of yield strength. Exhaust heating at the bottom of the body.

OTHERS

Electrical system: 24 volt, negative control.
Batteries: 2 units.
Water separator equipped.

OPTIONAL ITEMS

Cummins NT 855 Tier 2 engine
Dump body wear plates.
Water separator equipped.

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Singapore Technologies Kinetics Ltd

249, Jalan Boon Lay, Singapore 619523

T: (65) 6264 5895 F: (65) 6262 3780

www.TRXBUILD.com