

V3TVF – 6X4 TRACTOR

Engine

Model	Doosan Infracore, DV15TIS
Type	Turbo intercooler, diesel engine
Max. Power	420ps (308kw) / 2,100rpm
Max. Torque	170kg.m (1666N.m) / 1,200rpm
No. of cylinder	Vee Type 8 cylinders
Bore x Stroke	128 x 142 (mm)
Displacement	14,618 (cc)
Controller type	Mechanical
Air cleaner	Dry paper elements

Transmission

Model	ZF16S151
Type	Manual F16/R2
1 st	13.86 / 11.59
2 nd	9.520 / 7.960
3 rd	6.560 / 5.480
4 th	4.580 / 3.830
5 th	3.020 / 2.530
6 th	2.080 / 1.740
7 th	1.430 / 1.200
8 th	1.000 / 0.840
Reverse	12.97/10.85

Brakes

Service	: Full Air Brake. Dual circuit
Drum diameter	: 410 mm
Lining Front	: 414x155mm
Rear	: 414x203mm
Material	: Non-Asbestos
Parking	: Acting on spring actuator at rear wheels
Auxiliary	: Exhaust brake

Axles

Front	Reverse Elliot "I" beam, Capacity : 6,500 kg
Rear	Banjo single reduction Final drive ratio : 4.444, Capacity : 23,000 kg

Fuel Tank

Mounted on right-hand Side of the frame
Capacity – 800 liter (400L + 400L)
Material : Pressed Steel

Wheels & Tires

Front	: 12R22.5-16PR, 8.25V×22.5
Rear	: 12R22.5-16PR, 8.25V×22.5

Steering

Driving position	Left-hand drive
Type	Recirculating ball with integral Power assisted by oil
Steering column	Tilt & telescopic
Steering wheel	2-spoke wheel with horn button

Clutch

Type	Hydraulic control with air assisted
Plate diameter	Dry single plate with diaphragm Out side diameter : 430mm

Suspension

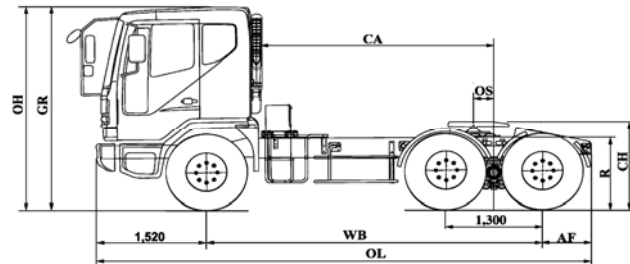
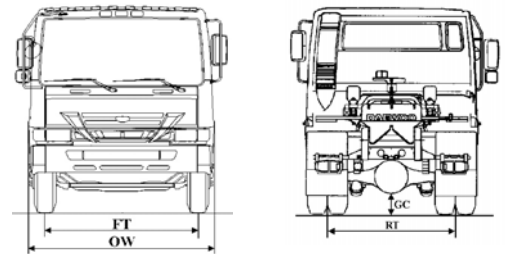
Front suspension	Type : semi-elliptical leaf spring Size(LxW) : 1,500 x 90(mm)
Rear suspension	Type : Semi-elliptical leaf spring Size(LxW) : 1,300 x 90(mm)

Electrical System

Batteries	12 volt-150Ahx2
Alternator	24 volt / 60 amp
Starter	24 volt / 7.0kW

Coupler (Option)

Make and Type	Jost Rollingless 2"
Loading capacity	25ton



Dimensions (mm)

OL	Overall length	6,840
OW	Overall width	2,490
OH	Overall height	2,910
FR	Tread – front	2,050
RT	Tread – rear	1,855
WB	Wheelbase	4,480
AF	Rear axle to frame	650
GR	Ground to roof	2,910
R	Frame-ground above bogie	1,050
CA	Usable cab to axle	3,105
OS	Deck offset	270
CH	Coupler height	1,345
GC	Min. ground clearance	260
	Swing radius Forward	1,600
	Rearward	2,040

Weights (kg)

Chassis weight	Front	4,570
	Rear	3,620
	Total	8,190
Curb weight		9,070
Nominal Payload		16,500
Axle load	Front	6,500
	Rear	23,000
Permissible payload		21,310
Permissible G.C.W		55,000

Calculated Performance

Max. speed(km/h)	110
Max. gradeability(%)	49.4
Min. turning radius (m)	6.8

Frame

Type	Ladder type, Single channel
Size (HxWxt)	286x90x7
Width at frame rear	850

* Dimension & Weight are approximate;
* Permissible weight includes upper body weight