

K6DVF – 6X4 DUMP W/DV15TIS

Special purpose for Peru & Colombia

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	V-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	13.80 / 11.54
2 nd	9.490 / 7.930
3 rd	6.530 / 5.460
4 th	4.570 / 3.820
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	12.92/10.80

Axles

Front	Reverse elliot "I" beam
Rear	Hub reduction(THR20ST) Final drive ratio : 5.648

Fuel Tank

Mounted on right-hand Side of the frame	Capacity – 400 liter
Material : Pressed Steel	

Brakes

Service : Full Air Brake. Dual circuit
Drum diameter : 410 mm
Lining Front : 414x155mm
Rear : 414x203mm
Material : Non-Asbestos

Parking : Spring actuator at rear Wheels
Auxiliary: Exhaust brake

Standard Wheels & Tires

Front : 12.00R24-18, 8.5V×24
Rear : 12.00R24-18, 8.5V×24

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 coil spring Out side diameter : 430mm

Suspension

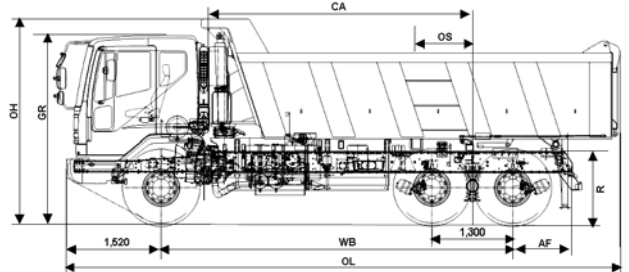
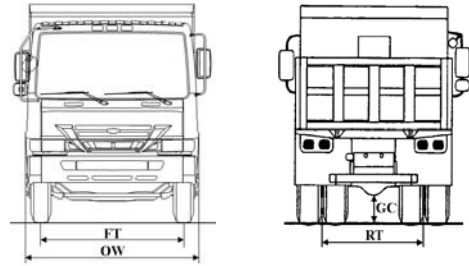
Front suspension	Type : semi-elliptical leaf spring Size(LxW) : 1,500 x 90(mm)
Rear suspension	Type : Semi-elliptical leaf spring Size(LxW) : 1,300 x 90(mm)

Electrical System

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

Dumping Deck

Mechanism type	Telescopic, dumping angle 48°
Thickness	Floor : 8mm, Side : 6mm
Dumping capacity	37ton



Dimensions (mm)

OL	Overall length (1,520+WB+AF)	8,890
OW	Overall width	2,600
OH	Overall height	3,280
FR	Tread – front	2,020
RT	Tread – rear	1,885
WB	Wheelbase	5,650
AF	Rear axle to frame	950
GR	Ground to roof	2,975
R	Frame-ground above bogie	1,150
CA	Usable cab to axle	4,225
OS	Deck offset	670
GC	Min. ground clearance	310

Weights (kg)

Chassis weight	Front	4,735
	Rear	4,950
	Total	9,680
Curb weight		13,195
Axle load	Front	8,000
	Rear	30,000
Permissible G.V.W		38,000

* Selection of other types of tire can affect permissible G.V.W

Calculated Performance

Max. speed(km/h)	97
Max. gradeability(%)	62.4
Min. turning radius (m)	8.5

Frame

Type	Ladder type, Double Channel
Size (HxWxt)	320x90x(8+7)
Width at frame rear	850
Side rail material	ATOS 80

* Dimension & Weight are approximate;

* Permissible weight includes upper body weight