

# N7DVF – 8X4 24TON DUMP-W/DV15TIS

## Engine

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

## Transmission

Model	ZF16S151
Type	Manual F16/R2
1st	13.80/11.55
2nd	9.590/8.020
3rd	6.810/5.700
4th	4.580/3.840
5th	3.010/2.520
6th	2.090/1.750
7th	1.490/1.240
8th	1.000/0.840
Reverse	13.17/11.03

## Brakes

Service	Full Air Brake, Dual circuit
Drum diameter	: 419(F),410(R)
Lining Front	: 406mm X 178mm
Rear	: 415mm X 220mm
Material	: Non-Asbestos
Parking	: Spring actuator at rear wheels
Auxiliary	: Exhaust brake

## Axles

Front	Reverse elliot "I" beam, Capacity : 18,000 kg
Rear	Hub reduction Final drive ratio : 4.248, Capacity : 26,000 kg

## Fuel Tank

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

## Wheels & Tires

Front	: 385/65R22.5-18, 11.75 X 22.5
Rear	: 12R22.5-16PR, 8.25V X 22.5

## Steering

Driving position	Left-hand drive only
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

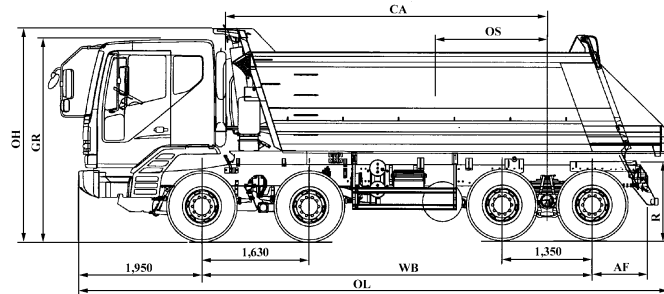
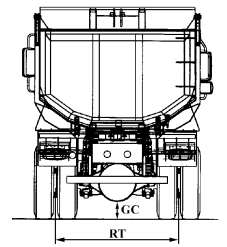
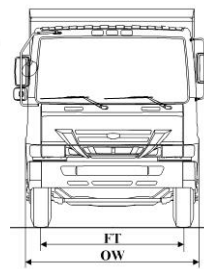
Front suspension	Type : Tapered leaf spring Size(LxW) : 1,500 x 90(mm)
Rear suspension	Type : Tapered leaf spring Size(LxW) : 1,350 x 100(mm)

## 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	34ton



## Dimensions (mm)

<b>OL</b>	Overall length	8,960
<b>OW</b>	Overall width	2,490
<b>OH</b>	Overall height	3,170
<b>FR</b>	Tread – front	2,055
<b>RT</b>	Tread – rear	1,820
<b>WB</b>	Wheelbase	5,890
<b>AF</b>	Rear axle to frame	782
<b>GR</b>	Ground to roof	3,075
<b>R</b>	Frame-ground above bogie	1,230
<b>CA</b>	Usable cab to axle	4,915
<b>OS</b>	Deck offset	1,700
<b>GC</b>	Min. ground clearance	285
	Deck Length	5,145
	Deck Height	1,480
	Deck Width	2,305

## Weights (kg)

Chassis weight	Front	6,970
	Rear	3,650
	Total	10,620
Curb weight		14,465
Nominal Payload		24,000
Axle load	Front	18,000
	Rear	26,000
Permissible payload		33,380
Permissible G.V.W		44,000

## Calculated Performance

Max. speed(km/h)	115
Max. gradeability(%)	41.3
Min. turning radius (m)	11

## Frame

Type	Ladder type, Double Channel
Size (HxWxt)	320x90x(8+4.5)
Width at frame rear	770

- Dimension & Weight are approximate.
- Permissible weight includes upper body weight. Always observe national regulations on permissible axle loads and gross weight.

# N7DNF – 8X4 DUMP W/CUMMINS RHD

## Engine

Model	Cummins ISMe
Type	Turbo intercooler, diesel engine
Max. Power	415ps(305kW) @ 1,900 rpm
Max. Torque	187kg.m(1834Nm) @ 1,200 rpm
No. of cylinder	In line 6 cylinder
Bore x Stroke	125 x 147 (mm)
Displacement	10,800 (cc)
Controller type	Electronic
Air cleaner	Dry paper elements

## Transmission

Model	ZF16S1820TO
Type	Manual F16/R2
1st/2nd	13.80 / 11.54
3rd/4th	9.49 / 7.93
5th/6th	6.53 / 5.46
7th/8th	4.57 / 3.82
9th/10th	3.02 / 2.53
11th/12th	2.08 / 1.74
13th/14th	1.43 / 1.20
15th/16th	1.00 / 0.84
Reverse	12.92/10.80

## Brakes

Service	: Full Air Brake. Dual circuit
Drum diameter	: 410 mm
Lining Front	: 414x155mm
Rear	: 414x203mm
Material	: Non-Asbestos
Parking	: Spring actuator at front and rear Wheels
Auxiliary	: Engine brake

## Axles

Front	Reverse elliot "I" beam, Capacity : 18,000 kg
Rear	Hub reduction Final drive ratio : 6.676, Capacity : 30,000 kg

## Fuel Tank

Mounted on right-hand Side of the frame
Capacity –300 liter
Material : Pressed Steel

## Wheels & Tires

Front	: 12.00-24-18PR, 8.5VX24
Rear	: 12.00-24-18PR, 8.5VX24

## Steering

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

## Clutch

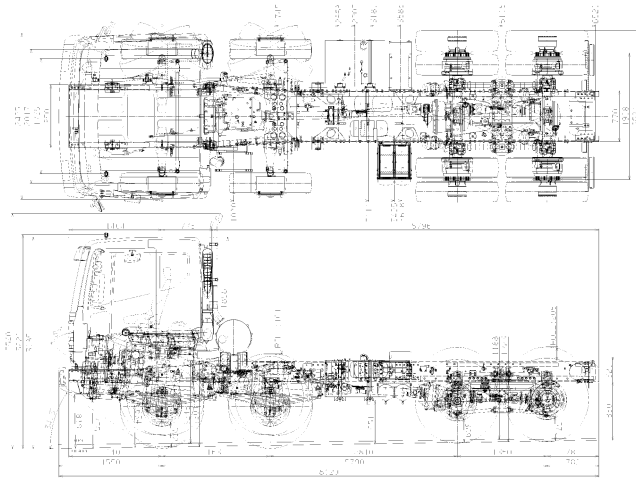
Type	Hydraulic control with air assisted Pull type
Plate diameter	Dry single plate with diaphragm Out side diameter : 430mm

## Suspension

Front suspension	Type : semi-elliptical leaf spring Size(LxW) : 1,500 x 90(mm)
Rear suspension	Type : Semi-elliptical leaf spring Size(LxW) : 1,350 x 90(mm)

## Electrical System

Batteries	12 volt-150Ahx2
Alternator	24 volt / 60 amp
Starter	24 volt / 7.5kW



## Dimensions (mm)

<b>OL</b>	Overall length	8,120
<b>OW</b>	Overall width	2,580
<b>OH</b>	Overall height	3,540
<b>FR</b>	Tread – front	2,015
<b>RT</b>	Tread – rear	1,910
<b>WB</b>	Wheelbase	5,790
<b>AF</b>	Rear axle to frame	780
<b>GR</b>	Ground to roof	3,185
<b>R</b>	Frame-ground above bogie	1,240
<b>CA</b>	Usable cab to axle	4,340
<b>GC</b>	Min. ground clearance	365

## Weights (kg)

Chassis weight	Front	6,665
	Rear	4,365
	Total	11,030
Permissible axle load	Front	18,000
	Rear	30,000
Permissible payload		36,970
Permissible G.V.W		48,000

## Calculated Performance

Max. speed(km/h)	75
Max. speed(km/h, Limited)	50
Max. gradeability(%)	63.7
Min. turning radius (m)	11

## Frame

Type	Ladder type, Double Channel
Size (HxWxt)	320x90x(8+4.5)
Width at frame rear	770
Side rail material	ATOS 80

- Dimension & Weight are approximate.
- Permissible weight includes upper body weight. Always observe national regulations on permissible axle loads and gross weight.