

υ SUBJECT TO CHANGE FOR PRODUCT IMPROVEMENT υ

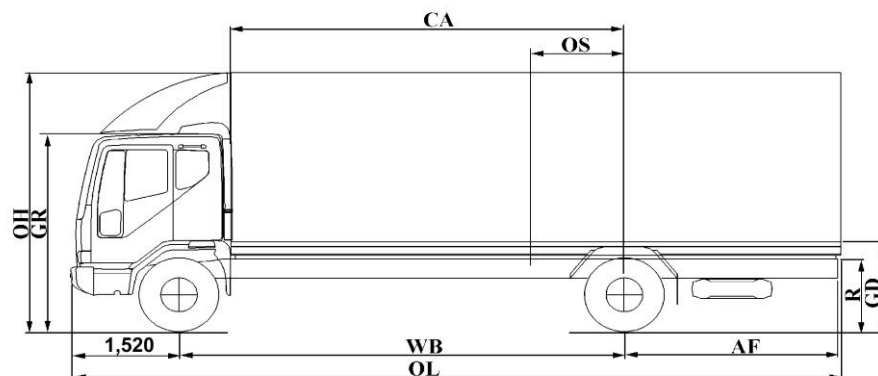
TATA DAEWOO HEAVY DUTY TRUCK
SPECIFICATIONS MANUAL

MODEL NAME : *4x2 Wing body Truck*
MODEL CODE : *F4CBF*

June, 2014.

TATA DAEWOO

o DIAGRAM



o DIMENSIONS (mm)	Overall	Length	OL	8,495
		Width	OW	2,490
	Tread	Height	OH	3,800
		Front	FT	2,050
	Wheelbase	Rear	RT	1,855
			WB	4,650
	Rear axle to frame		AF	2,270
			GR	2,925
	Ground to roof		R	1,070
			CA	4,050
	Frame-ground above bogie		OS	726
			GD	1,400
	Usable cab to axle			260
	Deck inside	Length		5,800
		Width		2,370
		Height		2,400
		Volume(m³)		32.9
o WEIGHTS (kg)	Chassis weight	Front		3,950
		Rear		2,200
		Total		6,150
	Curb weight			9,050
	Payload			8,000
	Axle load	Front		6,500
		Rear		11,500
	Permissible G.V.W			18,000
o PERFORMANCE	Max. Speed		(km/h)	104
	Max. gradeability		(%)	23.5
	Min. turning radius		(m)	10.7

o ENGINE	Manufacturer	DOOSAN Infracore
	Model	DE08TIS
	Emission certificate	EURO II equivalent
	Type	Turbo charged with intercooler, Diesel engine
	Maximum power	225ps (165kw)/ 2,300rpm
	Maximum torque	82kg.m (804N.m)/ 1,200rpm
	No. of cylinder	In line 6- cylinder
	Bore×Stroke	111 ×139(mm)
	Displacement	8,071cc
	Controller type	Mechanical
o CLUTCH	Air cleaner	Dry paper elements
	Type	Hydraulic control with air assisted Dry single plate with coil spring
	Plate diameter	Outside diameter : 430mm(17")
o TRANSMISSION	Manufacturer	S&T
	Model	T9S6
	Speed	6 Forward / 1 Reverse
	Gear ratio	7.076/4.777/2.640/1.575/ 1.000/0.744 / 6.720(R)
o FRONT AXLE	Type	Reverse elliot "I" beam
	Axle capacity	6,500kg
o REAR AXLE	Manufacturer	S&T
	Model	T10H
	Type	Banjo single reduction
	Final drive ratio	5.571
	Axle capacity	11,500kg
o TIRE & WHEEL	Tire	12R22.5-16PR
	Disc wheel	8.25×22.5
	No. of wheel studs	6

o FRAME	Type	Ladder type, single channel
	Size (H×W×T)	286×90×7 mm
	Towing hook	Frame width behind cab : 850mm Equipped front & rear
o STEERING	Handle 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
o FRONT SUSPENSION	Type	Semi-elliptical leaf spring
	Size (L×W)	1,500mm×90mm
o REAR SUSPENSION	Type	Semi-elliptical leaf spring
	Size (L×W)	1,420mm×100mm
o BRAKE	Service brake	Full air brake dual circuit
	Drum diameter	410mm
	Lining Front	414mm×155mm
	Rear	414mm×203mm
	Material	Non-asbestos
	Parking brake	Spring actuator at rear wheels Exhaust brake
	Auxiliary brake	One equipped
o FUEL TANK	Volume	200ℓ
	Material	Made of pressing steel
	Cap	Equipped key lock
o ELECTRICAL SYSTEM	Battery	12V - 150Ah×2
	Alternator	24V - 80A
	Starter	24V - 4.5kw
o EXHAUST SYSTEM	Type	Mounted Longitudinal

o CAB	Type	All -welded cab of tilt type Hydraulic Tilt. Tilt angle 50°
	Number of crew	2
	Cab suspension	Coil spring & shock absorber
o INSTRUMENTATION	Gauges & meters	Speedometer,
		Water temperature gauge
		Air pressure gauge, fuel gauge
		Engine tachometer gauge
o SEAT & BED	Driver seat	Height adjustable, rigid seat Sliding & reclining, Equipped with head rest
	Passenger seat	Rigid type, full folding & reclining
	Bed	Equipped one bed
	Covering	Tricot
o WIPER	Type	Two blade, 3-speed wiper with electrical washer
o HEATING		Heater & Defroster
o GLASS & MIRROR	Windshield	Laminated safety glass
	Door glass	Tempered safety glass
	Outside mirror	Convex mirror
o LAMP	Front	Head & fog lamp, turn signal lamp Position lamp
	Rear	Position, stop, turn signal lamp Reverse lamp License plate lamp
o TOOLS	Tools	Hyd. Jack, Wrench monkey Wrench & Handle-Wheel nut Driver, Spare tire handle, etc
	Spare tire	One equipped with mounting bracket

◦ WING OPERATION

Power source	DC 24V (1EA)
Pump & Motor	On a body
Cylinder	4EA, (front : 2EA, rear : 2EA)
Controller	Wiring remote control
Operating time	8 ~ 12 sec

◦ WORK EQUIPMENT

Motor

Rated voltage	DC 24V
Load terminal voltage	DC 21V
Load current	150 A
Rated time	45~60sec

Pump

Pressure	180 kgf/cm ²
Displacement	6ℓ± 5%

Cylinder

Length	895mm ± 5m/m 595mm ± 5m/m
Stroke	300mm
Inner diameter	Φ60, Φ70
Rod diameter	Φ25, Φ30, Φ35
Max pressure	180 kg/cm ²
Test pressure	280 kg/cm ²

◦ OPTIONAL EQUIPMENT

EB2	Tarpaulin
EB3	Center frame
EB4	Center frame - wide type
EB5	Hook - upper floor
EB6	Hook - under floor
EC3	Side gate
EC4	Gate assist
EC6	Lacing rail & belt
EF3	Floor type - 'V'
EF4	Floor type - wood