υ SUBJECT TO CHANGE FOR PRODUCT IMPROVEMENT $-\upsilon$

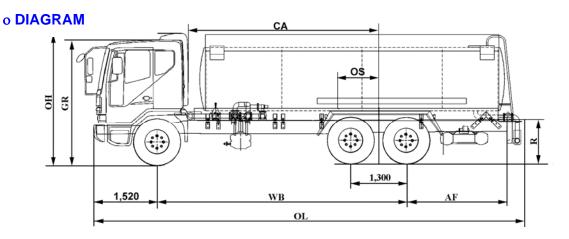
TATA DAEWOO HEAVY DUTY TRUCK SPECIFICATIONS MANUAL

MODEL NAME : 15KL WATER T/L MODEL CODE : K7CEF

APRIL 2008.

TATA DAEWOO COMMERCIAL VEHICLE CO., LTD.

* This specification is subject to be changed.



o DIMENSIONS (mm)	Overall	Length		OL	9,995
		Width		OW	2,490
	Tread	Height		OH 	3,080
	Tread	Front		FT	2,050
		Rear		RT	1,855
	Wheelbase			WB	5,800
	Rear axle to fra	me		AF	2,510
	Ground to roof			GR	2,935
	Frame-ground a	-		R	1,110
	Usable cab to a	ixle		CA	4,400
	Deck offset			OS	570
	Ground to tank			GD	1,435
	Min. ground cle				270
	Tank inside	Length			6,640
		Width			2,300
		Height			1,380
		Volume	(m³)		15.0
o WEIGHTS (kg)	Chassis weight	Front			3,980
		Rear			3,820
		Total			7,800
	Curb weight				9,570
	Payload				16,000
	Axle load	Front			6,500
		Rear			23,000
	Permissible G.V	/.W			29,500
o PERFORMANCE	Max. speed		(km/h)		99
	Max. gradeabili	ty	(%)		36.9
	Min. turning rad	•	(m)		9.1

o ENGINE	Manufacturer Model Emission certificate Type Max. power Max. torque No. of cylinder Bore × Stroke Displacement Controller type Air cleaner	Doosan Infracore DE12TIS EURO II Turbo intercooler, diesel engine 340ps (250kw)/ 2,100rpm 145kg.m (1450N.m)/ 1,260rpm In line 6- cylinder 123 × 155(mm) 11,051cc Semi-electronic Dry paper elements
o CLUTCH	Type Plate diameter	Hydraulic control with air assisted Dry single plate with coil spring Outside diameter : 430mm(17 ″)
o TRANSMISSION	Manufacturer Model Speed Gear ratio	TONGIL T15S6 6 Forward / 1 Reverse 6.744/4.207/2.526/1.569/1.000/ 0.746/6.857(R)
o FRONT AXLE	Type Axle capacity	Reverse elliot "I" beam 6,500kg
o REAR AXLE	Manufacturer Model Type Final drive ratio Axle capacity	TONGIL T14HT Banjo single reduction 5.571 23,000kg
o TIRE & WHEEL	Tire Disc wheel No. of wheel studs	11.00-20-16PR 7.5V×20 10

o FRAME	Туре	Ladder type, single channel
	Size (H×W×T)	320×90×8 (mm)
		Frame width behind cab : 850mm
	Towing hook	Equipped front & rear
	Handle position	Left-hand drive
	Туре	Recirculating ball with integral
		power assisted by oil
	Steering column	Tilt & Telescopic
	Steering wheel	2-spoke wheel with horn button
	Туре	Semi-elliptical leaf spring
	Size (L×W)	1,500mm×90mm
O REAR SUSPENSION	Туре	Semi-elliptical leaf spring
	Size (L×W)	1,300mm×90mm
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
	Auxiliary brake	Exhaust brake
	Air dryer	One equipped
o FUEL TANK	Volume	400 ℓ
	Material	
	Сар	Made of pressing steel
	Cap	Equipped key lock
o ELECTRICAL SYSTEM	Battery	12V - 150Ah×2
	Alternator	24V - 45A
	Starter	24V - 5.4kw
o EXHAUST SYSTEM	Туре	Mounted longitudinal

o CAB	Type Number of crew Cab suspension Tilting System	All –welded cab of tilt type Hydraulic Tilt. Tilt angle 50° 2 Coil spring & shock absorber Electrical
o INSTRUMENTATION	Gauges & meters	Speedometer Water temperature gauge Air pressure gauge, fuel gauge Engine oil pressure gauge Engine tachometer gauge
o SEAT & BED	Driver seat Passenger seat	Height adjustable, rigid seat Sliding & reclining, Equipped with head rest Rigid type, full folding & reclining
	Bed Covering	Equipped one bed Vinyl
o WIPER	Туре	Two blade, 3-speed wiper with electrical washer
o HEATING		Heater & Defroster
o GLASS & MIRROR	Windshield Door glass Outside mirror	Laminated safety glass Tempered safety glass 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	Hydraulic Jack, Wrench monkey Wrench & Handle-Wheel nut Driver, Spare tire handle, etc
	Spare tire	One equipped with mounting

ADDITIONAL EQUIPMENT

K7CEF

	_	
o GEAR PUMP	Туре	Gear type with by-pass
	Material(Base)	Stainless steel
	Bore size	80mm (suction & discharge)
	Suction pressure	380 mmHg
	Discharge pressure	2.3 kg/cm ² (normal)
		3.0 kg/cm ² (maximum)
	Capacity	1000 ℓ /min
	RPM	600 ~ 700 min
	Quantity	1 EA
o VALVES	2-way valve	3 inch, 2EA
	4-way valve	3 inch, 1EA
		Suction, Discharge, Free, Stop
	Strainer	3 inch, 1EA
	Bottom valve	3 inch, 1EA
	Туре	T/M P.T.O
o P.T.O	P.T.O Switch	Located in the cab
		Connected T/M P.T.O to pump
o DRIVE SHAFT		
o DRIVE SHAFT	Loading type	Top loading (manhole)
 O DRIVE SHAFT O TANK EQUIPMENT 	Material (Base)	Top loading (manhole) Steel, Epoxy coated
	Material (Base) (Optional)	Top loading (manhole) Steel, Epoxy coated Stainless steel
	Material (Base)	Top loading (manhole) Steel, Epoxy coated Stainless steel 4EA, Located inside tank
	Material (Base) (Optional)	Top loading (manhole) Steel, Epoxy coated Stainless steel 4EA, Located inside tank Preventing loaded liquid
	Material (Base) (Optional) Baffle plate	Top loading (manhole) Steel, Epoxy coated Stainless steel 4EA, Located inside tank Preventing loaded liquid From baffling
	Material (Base) (Optional)	Top loading (manhole) Steel, Epoxy coated Stainless steel 4EA, Located inside tank Preventing loaded liquid From baffling 4EA, Located on the tank
	Material (Base) (Optional) Baffle plate	Top loading (manhole) Steel, Epoxy coated Stainless steel 4EA, Located inside tank Preventing loaded liquid From baffling 4EA, Located on the tank Live : 2EA, Blind : 2EA
	Material (Base) (Optional) Baffle plate Manhole	Top loading (manhole) Steel, Epoxy coated Stainless steel 4EA, Located inside tank Preventing loaded liquid From baffling 4EA, Located on the tank Live : 2EA, Blind : 2EA 2EA, Located each side of tank
	Material (Base) (Optional) Baffle plate Manhole Hose locker	Top loading (manhole) Steel, Epoxy coated Stainless steel 4EA, Located inside tank Preventing loaded liquid From baffling 4EA, Located on the tank Live : 2EA, Blind : 2EA
	Material (Base) (Optional) Baffle plate Manhole Hose locker Top fence	Top loading (manhole) Steel, Epoxy coated Stainless steel 4EA, Located inside tank Preventing loaded liquid From baffling 4EA, Located on the tank Live : 2EA, Blind : 2EA 2EA, Located each side of tank Located in the upper part of tank Located on the live manhole

OPTIONAL EQUIPMENTS

Classification	Optional Equipments	Buyer Application
	ABS	
	ABS / ASR	
	Parking brake – air center	
	Speed limiter	
Safety	Buzzer back alarm	0
	Dual Horn – Air & Electrical operated	
	Protector – side	ο
	Protector – rear	Ο
	Fire extinguisher, Dry powder	
	Power take off – T/M	
	Power shift-T/M	
	Auto greaser	
	Governor converter	
	Governor-RQV	
	Tire 11.00R20 -16PR	
	Tire 11R22.5 – 16PR	
	Tire 12R22.5 – 16PR	
	Tire 12.00 – 20 –18PR	
Function	Tire 12.00R20 -18PR	
	Wheel type – 10stud	0
	Tachograph – Electrical	
	Cab chassis without deck	
	Clutch auto adjuster	
	Region – tropical	Ο
	Noise package	
	Tank material-stainless steel	
	Epoxy Coating	0
	Water Spray Bar	

OPTIONAL EQUIPMENTS

K7CEF

Classification	Optional Equipments	Buyer Application
	Seat-driver with air suspension	
	Armrest-driver seat	
	27W Large room lamp & Mood lamp	
	Digital alarm clock	
	Cloth-seat & Cloth bed covering	
	Leather-seat & Cloth bed covering	
	Radio cassette, 1way	Ο
	Speaker-front & rear, dual 1way	
	Speaker-front & rear, dual 2way	
	CD changer with remote controller	
	Wood grain	
Comunication	Wood grain-binnacle switch panel	
Convenience	F/trim – carpet with rubber heel mat	
& Daluwa	F/trim – carpet with carpet heel mat	
Deluxe	Air conditioner	
	Bed with heating	
	Keyless system	
	Electrical Lock door	
	Window-1 touch power operated	0
	Cab tilting system-electrical	
	Cab latch – hydraulic	
	Cab suspension – Air spring	
	Side decal graphic	
	Exterior color – special	
	Air spoiler	
	Deck gate assist	
Special		
Request		