

↳ SUBJECT TO CHANGE FOR PRODUCT IMPROVEMENT ↳

TATA DAEWOO HEAVY DUTY TRUCK  
**SPECIFICATIONS MANUAL**

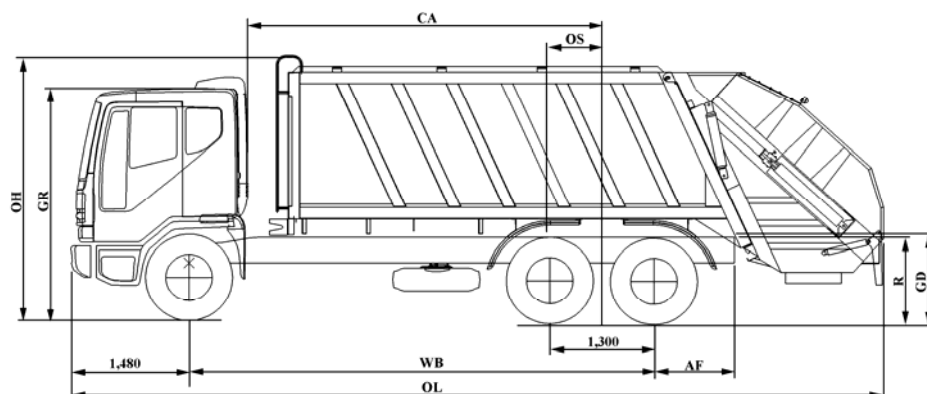
*MODEL NAME : 6×4 REFUSE COMPACTOR (19 M3)*  
*MODEL CODE : K7CEF*

**TATA DAEWOO**

**April, 2008.**

**TATA DAEWOO COMMERCIAL VEHICLE CO., LTD.**

## o DIAGRAM



o DIMENSIONS (mm)		Overall	Length	OL	9,850
			Width	OW	2,490
			Height	OH	3,470
	Tread		Front	FT	2,050
			Rear	RT	1,855
	Wheelbase			WB	5,800
	Rear axle to frame			AF	730
	Ground to roof			GR	2,925
	Frame-ground above bogie			R	1,110
	Usable cab to axle			CA	4,425
	Deck offset			OS	750
	Ground to deck floor			GD	1,330
	Min. ground clearance				270
	Deck inside	Length			4,860
		Width			2,140
		Height			2,050
		Volume(m <sup>3</sup> )			19.3

o WEIGHTS (kg)		Chassis weight	Front	4,040
			Rear	3,910
			Total	7,950
	Curb weight			14,710
	Payload			11,000
	Axle load	Front		6,500
		Rear		23,000
	Permissible G.V.W			29,500

o PERFORMANCE		Max. speed	(km/h)	99
		Max. gradeability	(%)	31.7
		Min. turning radius	(m)	9.1

o ENGINE	Manufacturer	Doosan Infracore
	Model	DE12TIS
	Emission certificate	EURO II
	Type	Turbo intercooler, diesel engine
	Maximum power	340ps (250kw)/ 2,100rpm
	Maximum torque	145kg.m (1450N.m)/ 1,260rpm
	No. of cylinder	In line 6 cylinder
	Bore×Stroke	123×155(mm)
	Displacement	11,051cc
	Controller type	Mechanical
	Air cleaner	Dry paper elements
o CLUTCH	Type	Hydraulic control with air assisted Dry single plate with coil spring
	Plate diameter	Outside diameter : 430mm(17 " )
o TRANSMISSION	Manufacturer	S&T
	Model	T15S6
	Speed	6 Forward / 1 Reverse
	Gear ratio	6.744/4.207/2.526/1.569/ 1.000/0.746
		6.857(R)
o FRONT AXLE	Type	Reverse elliot "I" beam
	Axle capacity	6,500kg
o REAR AXLE	Manufacturer	S&T
	Model	T14HT
	Type	Banjo single reduction
	Final drive ratio	5.571
	Axle capacity	23,000kg
o TIRE & WHEEL	Tire	12R22.5-16PR
	Disc wheel	8.25V×22.5
	No. of wheel studs	10

o FRAME	Type	Ladder type, single channel
	Size (H×W×T)	320×90×8 (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 Steering wheel	Tilt & Telescopic 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)	1,300mm×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	Acting on spring actuator at Rear wheels
	Auxiliary brake Air dryer	Exhaust brake One equipped
o FUEL TANK	Volume	400 ℓ
	Material	Made of pressing steel
	Cap	Equipped key lock
o ELECTRICAL SYSTEM	Battery	12V - 150Ah × 2
	Alternator	24V - 80A
	Starter	24V - 6.0kw
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 oil pressure 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	Hydraulic Jack, Wrench monkey Wrench & Handle-Wheel nut Driver, Spare tire handle, etc
	Spare tire	One with mounting bracket

# ADDITIONAL EQUIPMENT

K7CEF

o HYDRAULIC PUMP	Make / Model	CASAPPA / BAP 35-110
	Max. pressure	350 bar
	Displacement	107 cc/rev
o OIL TANK	Inside size(L × W × H)	700 × 330 × 950mm
	Volume	200 ℓ
o HYD. CYLINDER (Bore × Rod × Stroke)	Compression	Φ 110 × Φ 45 – 680mm
	Ejection	Φ 140 × Φ 125/Φ 115 × Φ 100 × Φ 90 × Φ 75 – 3,360mm
	Rotating	Φ 100 × Φ 65 – 5410mm
	Rear gate	Φ 80 × Φ 60 – 830mm
	Bin lift	Φ 63 × Φ 35 – 275mm
o COMPRESSION	Control valve type	Lever type (Manual) Located on Right-hand side of The rear gate
o EJECTION	Control valve type	Lever type (Manual) Located on front Left-hand side Of the loading box
o LOADING BOX	Inside size(L × W × H)	4,860 × 2,140 × 2,050mm
	Material	ATOS60
	Thickness	Side : 3.2 mm Roof : 3.2 mm Floor : 4.5 mm
o HOPPER	Inside size(W × H)	1,940 × 430mm
o SAFETY EQUIPMENTS	Emergency stop	Hydraulic control lever operated Located on left-hand side of the rear gate
	Rear gate- locking sys.	hydraulic locker type
	Full load- warning lamp	Electric limit switch operated type Located on front left-hand side Of the loading box