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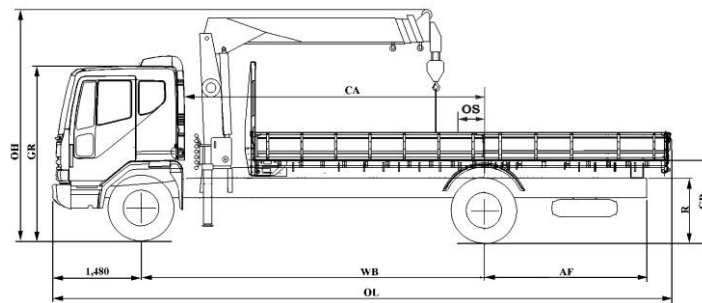
DAEWOO HEAVY DUTY TRUCK
SPECIFICATIONS MANUAL

Model Name : 4×2 Cargo Crane (SCS513)
Model Code : M4P6F

November, 2014

TATA DAEWOO

o DIAGRAM



o DIMENSIONS (mm)	Overall	Length	OL	8,273
		Width	OW	2,490
		Height	OH	3,860
	Tread	Front	FT	2,050
		Rear	RT	1,855
	Wheelbase		WB	4,650
	Rear axle to frame		AF	1,780
	Ground to roof		GR	2,905
	Frame-ground above bogie		R	1,070
	Usable cab to axle		CA	3,925
	Tank offset		OS	900
	Min. ground clearance			278
	Deck inside	Length		4,200
		Width		2,350
		Height		450
o WEIGHTS (kg)	Chassis weight	Front	3,900	
		Rear	1,800	
		Total	5,700	
	Payload		10,000	
	Axle load	Front	6,500	
		Rear	11,500	
Permissible G.VW		18,000		
o PERFORMANCE	Max. speed	(km/h)	99	
	Max. gradeability	(%)	22.6	
	Min. turning radius	(m)	8.5	

* Dimension & Weight are approximate.

* Permissible weight includes upper body weight.

* Above specifications are based on export condition and subject to change without prior notice.

o ENGINE	Manufacturer	Doosan Infracore
	Model	DE12TI
	Emission certificate	EURO I
	Type	Turbo intercooler, Diesel engine
	Maximum power	340ps (250kw)/ 2,100rpm
	Maximum torque	135kg.m (1323N.m)/ 1,260rpm
	No. of cylinder	In line 6 cylinder
	Bore x Stroke	121 x 155 mm
	Displacement	11,051 cc
	Controller type	Mechanical
	Air cleaner	Dry paper elements
o TRANSMISSION	Manufacturer	S&T
	Model	T14S10
	Speed	10 Forward / 2 Reverse
	Range 1 st / 2 nd	9.555 / 7.428
	3 rd / 4 th	4.664 / 3.625
	5 th / 6 th	2.730 / 2.122
	7 th / 8 th	1.658 / 1.289
	9 th / 10 th	1.000 / 0.777
Reverse	9.668 / 7.516	
o FRONT AXLE	Type	Reverse elliot "I" beam
	Axle capacity	6,500kg
o REAR AXLE	Manufacturer	S&T
	Model	T12H
	Type	Banjo single reduction
	Final drive ratio	4.875
	Axle capacity	11,500kg
o CLUTCH	Type	Hydraulic control with air assisted Dry single plate with coil spring
	Plate diameter	Outside diameter : 430mm(17")
o TIRE & WHEEL	Tire	12R22.5-16PR
	Disc wheel	8.25 x 22.5
	No. of wheel studs	10

o FRAME	Type	Ladder type, single channel
	Size (H x W x T)	286 x 90 x 7 (mm) Frame width behind cab : 850mm
	Towing hook	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 x W)	1,500mm x 90mm
o REAR SUSPENSION	Type	Semi-elliptical leaf spring
	Size (L x W)	1,420mm x 100mm
o BRAKE	Service brake	Full air brake
	Drum diameter	410mm
	Lining Front	414mm x 155mm
	Rear	414mm x 203mm
	Material	Non-Asbestos
	Parking brake Auxiliary brake	Spring actuator at rear wheels Exhaust brake
o FUEL TANK	Volume	200l
	Material	Made of pressing steel
	Cap	Equipped key lock
o ELECTRICAL SYSTEM	Battery	12V - 150Ah x 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 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

o GENERAL	Model and make	SCS513
	Crane capacity	11 ton.m
	Lifting capacity	5,500 kg at 2 m
	Max. lifting height	10.1 m
	Working radius	2 ~ 8 m
o BOOM SYSTEM	Type	Telescopic type with square section (3)
	Retracted length	3.2 m
	Extended length	8 m
	Extending speed	4.8 m / 17.5 sec
	Raising speed	1.5~75 deg. / 10 sec
o WINCH SYSTEM	Type	Hydraulic motor driven by reduction gear with automatic mechanical brake system
	Hook speed	10 m/min 4th layer with 6-part line
	Wire rope size	Φ 8 × 70 m
o SLEWING SYSTEM	Type	Hydraulic motor driven by reduction worm gear w/ worm self locking brake
	Angle	360° continuous
	Speed	2 rpm
o OUTRIGGERS	Type	Horizontal Manual (Front)
	Vertical outrigger legs	Square box type
	Outrigger span	
	Retracted	2.3 m
Extended	4 m	
o SAFETY DEVICES	Hydraulic circuit	Pressure relief valve, Counterbalance valve
	Outrigger leg cylinder	Single pilot check valve
	Hook	Safety latch kit.