

– SUBJECT TO CHANGE FOR PRODUCT IMPROVEMENT –

DAEWOO HEAVY DUTY TRUCK
SPECIFICATIONS MANUAL

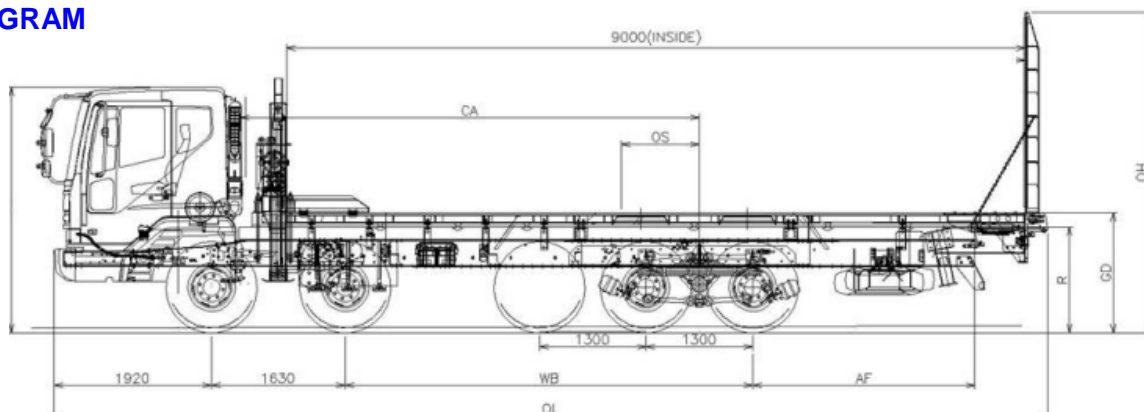
MODEL NAME : 10×4 Self Loader

MODEL CODE : P9CVF

November, 2015

TATA DAEWOO

◦ DIAGRAM



◦ DIMENSIONS (mm)	Overall	Length	OL	12,150
		Width	OW	2,490
		Height	OH	3,750
	Tread	Front	FT	2,050
		Rear	RT	1,855
	Wheelbase		WB	7,900
	Rear axle to frame		AF	2,435
	Ground to roof		GR	2,925
	Frame-ground above bogie		R	1,110
	Usable cab to axle		CA	7,025
		Ground to deck floor	GD	1,425
		Min. ground clearance		270
		Deck inside	Length	9,000
			Width	2,350
	◦ WEIGHTS (kg)	Chassis weight	Front	6,530
Rear			4,880	
Total			11,410	
Curb weight			17,200	
Axle load		Front	13,000	
		Boggy	9,000	
		Rear	23,000	
Permissible payload		25,000		
Permissible G.V.W		45,000		
◦ PERFORMANCE	Max. speed	(km/h)	110	
	Max. gradeability	(%)	42.5	
	Min. turning radius	(m)	11.9	

◦ ENGINE	Manufacturer	Doosan Infracore Co., Ltd.
	Model	DV15TIS
	Emission certificate	EURO II
	Type	Turbo intercooler, diesel engine
	Maximum power	420 ps / 2,100rpm
	Maximum torque	170 kg.m / 1,200rpm
	No. of cylinder	Vee-90 ° 8 cylinder
	Bore×Stroke	128×142(mm)
	Displacement	14,618cc
	Controller type	Mechanical
	Air cleaner	Dry paper elements
◦ CLUTCH	Type	Hydraulic control with air assisted Dry single plate with diaphragm
	Plate diameter	Outside diameter : 430mm(17 ")
◦ TRANSMISSION	Manufacturer	ZF
	Model	16S1820TO
	Speed	16 Forward / 2 Reverse
	Gear ratio	13.80/11.54/9.490/7.930/6.530/ 5.460/4.570/3.820/3.020/2.530/ 2.080/1.740/1.430/1.200/1.000/ 0.840/12.92(R)/10.80(R)
◦ FRONT AXLE	Type	Reverse elliot "I" beam
	Axle capacity	13,000kg
◦ PUSHER	Type	Air Spring
	Capacity	9,000kg
◦ REAR AXLE	Manufacturer	S&T Motors Co., Ltd.
	Type	Banjo single reduction
	Final drive ratio	4.444
	Axle capacity	23,000kg
◦ TIRE & WHEEL	Tire / Disc wheel	Front & Rear: 12R22.5 – 16PR / 8.25×22.5 Middle: 385/65R22.5-18PR, 11.75x22.5
	No. of wheel studs	10

◦ FRAME	Type	Ladder type, double channel
	Size (H×W×T)	320×90×(8 + 7) mm Frame width behind cab : 850mm Equipped front & rear
	Towing hook	Equipped front & rear
◦ 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
◦ FRONT SUSPENSION	Type	Semi-elliptical leaf spring
	Size (L×W)	1,500mm × 90mm
◦ REAR SUSPENSION	Type	Semi-elliptical leaf spring
	Size (L×W)	1,300mm × 90mm
◦ BRAKE	Service brake	Full air brake with 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
◦ FUEL TANK	Volume	400 ℓ
	Material	Made of pressing steel
	Cap	Equipped key lock
◦ ELECTRICAL SYSTEM	Battery	12V - 150Ah × 2
	Alternator	24V – 80A
	Starter	24V - 7.0kw
◦ EXHAUST SYSTEM	Type	Mounted at frame side

◦ CAB	Type	All –welded cab of tilt type Hydraulic Tilt. Tilt angle 50 °
	Number of crew	2
	Cab suspension	Coil spring & shock absorber
◦ INSTRUMENTATION	Gauges & meters	Speedometer, Water temperature gauge Air pressure gauge, fuel gauge Engine tachometer gauge
◦ 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
◦ WIPER	Type	Two blade, 3-speed wiper with electrical washer
◦ HEATING		Heater & Defroster
◦ GLASS & MIRROR	Windshield	Laminated safety glass
	Door glass	Tempered safety glass
	Outside mirror	Convex mirror
◦ LAMP	Front	Head & fog lamp, turn signal lamp Position lamp
	Rear	Position, stop, turn signal lamp Reverse lamp License plate lamp
	Tools	Hydraulic Jack, Wrench monkey Wrench & Handle-Wheel nut Driver, Spare tire handle, etc
◦ TOOLS	Spare tire	One equipped with mounting bracket

◦ AUTO STEP PLATE	Type	2 step articulated
	Cylinder pressure	190 bar
	Extended angle	78°
	Extended length	2300 mm
	Extended width	(Bore x rod x stroke)
	Cylinder size	50 x 30mm(1EA, Lifting) 50 x 30mm(2EA, Sliding)
◦ OUTRIGGER	Support capacity	9,545 kg
	- Extending	5,033 kg
	- Retracting	190 bar
	Pressure	1,470mm
	Extended length	(Bore x rod)
	Cylinder size	80 x 50 (2EA)
◦ P.T.O	Type	T/M P.T.O
	P.T.O Switch	Located in the cab
◦ DRIVE SHAFT		Connected T/M P.T.O to pump
◦ OIL PUMP	Displacement	80 cc / rev
	Tank Volume	60 liter