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Vehicle specifications

GENERAL

Model		Classic	Luxury	Noble
Suspension type		Rigid type		
Seat capacity		45+1 (41+1)	45+1 (41+1)	45+1 (41+1)
T/M model		M8S5 (Over drive)	M10S5 (Direct drive)	M12S5 (Direct drive) / ZF6S-1900 (Direct drive)
Rear axle model		D8S	D10H	D10H
Dimensions (mm)				
Overall	Length	11,650	11,780	12,000
	Width	2,495	2,495	2,495
	Height	3,340	3,340	3,490
Wheel base		6,020	5,850	6,120
Wheel tread	Front	2,052	2,057	2,057
	Rear	1,830	1,830	1,830
Overhang	Front	2,390	2,690	2,640
	Rear	3,240	3,240	3,240
Body inside	Length	10,600	10,730	11,000
	Width	2,365	2,365	2,365
	Height	1,950	1,950	1,950
Min. ground clearance		200	200	200
Weight (kg)				
Empty vehicle weight		11,345	11,975	12,320
On the front wheels		3,630	4,225	4,555
On the rear wheels		7,715	7,720	7,765
Calculated Performance				
Application engines		D6AV / D6AB-D	D6AB-D / D6CA 38 / D6CB 38	D6AC / D6CA, D6CB 38 / D6CA, D6CB 41
Max. speed	km/h	116 / 107	107 / 142	142 / 135
Max. gradability	tanθ	0.25 / 0.34	0.34	0.34 / 0.42
Min. turning radius	m	10.1	10.1	10.1

* Max. GVW includes the front & rear axle loads based on the permissible tire load.

ENGINE

Vehicle type		Classic	Luxury	Noble		
Model		D6AV	D6AB-D	D6AC	D6CA 38/D6CB 38	D6CA 41/D6CB 41
Number of cylinder		6 in-line				
Piston displacement (cc)		11,149	11,149	11,149	12,920 / 12,344	12,920 / 12,344
Bore x Stroke (mm)		130 x 140	130 x 140	130 x 140	133 x 155 / 130 x 155	133 x 155 / 130 x 155
Compression ratio		17:1, 17.5:1	16.5:1, 17.5:1	16.5:1, 17:1	17:1, 17.2:1	17:1, 17.2:1
Max. power (ps/rpm)**		235/2,200, 220/2,200	300/2,200, 290/2,000	340/2,200, 340/2,000	380/1,900, 380/1,800	410/1,900, 410/1,800
Max. torque (kg-m/rpm)**		78/1,400, 75/1,400	110/1,400, 110/1,200	140/1,400, 148/1,200	148/1,500, 148/1,200	173/1,500, 173/1,200
Electrical system	Battery	24V-150AH	24V-200AH	24V-200AH	24V-200AH	24V-200AH
	Alternator	24V-150A	24V-150A	24V-150A	24V-180A	24V-180V
	Starter	24V-5.5kW	24V-5.5kW	24V-5.5kW	24V-5.5kW	24V-5.5kW
Fuel system	Injection pump	Bosch in-line type, DPICO in-line type			Delph : EUI system	←
Transmission model		M8S5 (Over drive)	M10S5 (Direct drive)	M12S5 (Direct drive)	M12S5 (Direct drive)	ZF6S-1900 (Direct drive)
Gear ratio	1st	5.431	6.571	6.814	6.814	6.32
	2nd	3.463	4.436	4.155	4.155	3.62
	3rd	1.747	2.451	2.282	2.282	2.15
	4th	1.000	1.463	1.381	1.381	1.37
	5th	0.741	1.000	1.000	1.000	1.00
	6th	-	-	-	-	0.80
	Reverse	5.677	6.240	6.690	6.690	5.80
Propeller shaft model		S1610	S1710	DS4500	D4500	D4500
Rear axle	Model	D8S	D10H	D10H	D10H	D10H
	Capacity (kg)	10,000	10,000	10,800	10,800	10,800
	Gear ratio	3.545, 3.909 / 4.444	3.545, 3.909 / 4.444	3.545	3.545, 3.153, 3.909	3.545, 3.153, 3.909
Air con (option)	Capacity (kcal)	24,000 (Tropical zones: 28,000)		24,000 (Tropical zones: 28,000)		

* Max. torque and power of engine may vary according to each country.

Vehicle specifications

FUEL TANK CAPACITY

(unit: liter)

Model	Classic	Luxury	Noble
Capacity	300	310	420

TIRE

Model	Tire Size	Pressure [kg/cm²(psi)]	Wheel Nuts Tightening Torque N.m(kgf.m)
Classic	10.00 x 20-16PR, RIB	Single : 8.1 (115) Dual : 7.4 (105)	8 studs wheel nut : 706-764 (72-78) 10 studs wheel nut : 579-665 (59-68)
Luxury	11R 22.5-16PR	8.4 (120)	
Noble	295/80R-22.5		

LUBRICATION CHART

Items	Recommended in field		Quantity (liter)
Engine oil	Above CF-4 (API)	SAE 30, 20W/40, 15W/40, 10W/30, 5W/30	D6AB, D6AC: 20/ D6CA: 24/, D6CB: 24/
Rear axle	API GL-5	SAE 140 (Tropical) SAE 80W/90 (Warm, Cold)	D8S5: 8.2/, D10H: 12.5/
Power steering oil	PSF-3		2.43/
Clutch fluid	SAE J 703, DOT3 or 4 brake fluid		As required
Front, rear wheel bearing	NLGI NO. 2	GULF CROWN GREASE EP2, CLATEX BRAKE FLUID, MARFAX MULTIPURPOSE 2	As required
Anti freeze fluid	SAE J 814B - TYPE	SUPER A-COOLANT, AF COOLANT, GLYCO SHEEL PULS	As required
Manual transmission gear oil	Temperate/Frigid zone: API GL-4, SAE 80W Tropical zone: API GL-4, SAE 90		M8S5: 10/ M10S5: 13/ M12S5: 12/
	ZF6S-1900	SAE 80 SAE 30	13/ (Without retarder) 25/ (With retarder)
Electromagnetic fan clutch gear oil	Shell SPIRAX ASX 75W-90 or TITAN CYTRAC MB SYNTH SAE 75W-90 or DEA GEAR SYNTH SAE 75W-90		0.4/

Vehicle specifications

BULBS SPECIFICATION

Interior Light Bulb		No.	Wattage
Head lamp (MFR)	Inside	2	70
	Outside	2	70
Head lamp (HID)	Inside	2	70
	Outside	2	35
Fog lamp		2	70
Side turn signal lamp	Front	2	21
	Rear	2	21
Brake lamp		2	21
Back up lamp		2	21
Mark lamp	Front	2	5
	Rear	2	5
Wheel lamp		2	12
Number plate lamp		2	5
Engine room compartment lamp		1	5
Luggage compartment lamp		4	5

Exterior Light Bulb		No.	Wattage
Center room lamp	Noble	6	18 (2EA)
	Luxury	6	18 (2EA)
	Classic	4	10
1 line light		11	14
2 line light		62	LED
Mood lamp		28	3 (4 EA)
Gangway lamp (Floor)		46	LED
Driver's lamp		1	21
Reading lamp		44	5