

## 1. Dimension, Weight Specifications

Vehicle	Aero Town		
Drive type	4 x 2		
Body type	LONG		
Suspension type	LEAF	AIR	
<b>Dimensions (mm)</b>			
Overall Length	9,005		
Overall Width	2,250		
Overall Height	1,763		
Wheel Base	4,390		
Wheel tread	Front	1,910	
	Rear	1,740	
Overhang	Front	1,880	
	Rear	2,735	
Min. Ground Clearance	195		
<b>Weight(Kg)</b>			
Empty Vehicle Weight		3,800	3,825
	Front	870	850
	Rear	2,930	2,975
Gross Vehicle Weight**		10,140	
	Front	3,300	
	Rear	6,840	

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

### Annotations

- 1) Empty vehicle weight shown are to 3.5% variation to allow for production tolerance.
- 2) Empty vehicle weight includes weight of oil, fuel, coolant and spare tire carrier & bracket, spare tire but exclude standard tool set.
- 3) This vehicle specifications may differ per country.
- 4) For further information please contact the commercial vehicle export teams of HMC .
- 5) In order that product improvement may be introduced at any time, specifications are subject to change without prior notice.

## 2. Chassis Specifications

Body type	Long		
<b>Engine</b>			
Model	<b>D6BR</b>	<b>D6DA22</b>	
Type	Natural Aspiration	Turbo Charger Intercooler	
	4 stroke-cycle, water-cooled, direct-injection diesel engine		
Number of Cylinder	6 in-line		
Piston Displacement (cc)	7,545	6,606	
Bore x Stroke (mm)	118 x 115	109 x 118	
Compression Ratio	18.0 : 1	17.6 : 1	
Max. Power** (ps/rpm)	General	181 / 2,900	-
	Euro I	167 / 2,900	-
	Euro II	-	220 / 2,500
Max. Torque** (kg.m/rpm)	General	49 / 1,400	-
	Euro I	45 / 1,400	-
	Euro II	-	65 / 1,700
Cooling System	General	Wax-pellet & bottom bypass type with thermostat , Water-cooling, Forced circulation by centrifugal water pump	
	Radiator	Corrugated fin and tube type with pressure cap and condenser tank	
Electrical System	Battery	24V-120AH at 20hr rate(24V-150AH: Cold Region only)	
	Alternator	24V-70A (120A : OPT)	
	Starter	24V-5.0KW	24V-5.5KW
Fuel System	Injection pump	Bosch in-line type	
	Governor	All speed type	
	Fuel filter	Spin-on type	
Oil System	Lubrication	Forced lubrication by gear pump	
<b>Clutch</b>			
Type	Hydraulic control , Single dry plate, Pre-Damper		
Facing material	Non-Asbestos		
Facing Size (mm); Outside dia. x Inside dia.	ø354 x ø225	ø380 x ø240	
<b>Transmission</b>			
Model	<b>K505A(D.D)</b>	<b>KH-10</b>	
Type	5 forward and 1 reverse speed , 2nd to 5th synchromesh, 1st & reverse constant-mesh gears		
Gear Ratio	1st	7.216	6.967
	2nd	4.629	4.247
	3rd	2.582	2.454
	4th	1.479	1.471
	5th	1.000	1.000
	Reverse	7.216	6.492
T.G.S.(Transmission Gear Shift)	Floor shift, Mechanical remote control		
<b>Propellershaft</b>			
Model	<b>S1550</b>	<b>P10</b>	
Type	Forged steel ends with universal joint needle roller bearing		
	Tubular	Tubeless	
Size (Diameter x Thickness)	ø88.9 x 4 t	ø82	

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

**2. Chassis Specifications**

Engine	D6BR		D6DA22	
<b>Rear Axle</b>				
Model	D4H		D4H- II	
Type	Full floating type			
Capacity (kg)	8,800			
Final Reduction Gear	Type	Single Reduction , Hypoid gear		
	Ratio	3.909/4.444	3.636/3.909	
<b>Front Axle</b>				
Type	Reverse Elliot type " I " beam			
Capacity (kg)	3,300			
<b>Tire &amp; Wheel</b>				
Type	Single Front, Dual Rear			
Tire	Front/Rear	7.50 x 18-16PR		
Wheel size	Front/Rear	6.00S x 18 - 135		
<b>Steering</b>				
Type	2-Spoke, Ball-nut type, Tilt & Telescopic steering column			
Steering Wheel Diameter	ø500			
Tilting Angle	57°~ 66° 16"			
Telescopic Stroke (mm)	50			
Turning Angle	Inner	47° ±1		
	Outer	33.9° ±1		
<b>Brake</b>				
Service Brake	Type	Air over Hydraulic, dual circuit		
	Drum diameter	ø370		
	Lining size (mm)	Lining width x Thickness		
		Front	110 x 13t / 160 x 16t	
Rear	150 x 13t / 160 x 16t			
Parking Brake	Type	Integral expanding type on propeller shaft at the rear of transmission		
	Size (mm)	ø203.2 x 50 x 4.5t		
Exhaust Brake	Air operated, butterfly valve type			
<b>Suspension</b>				
Type	Rolling robe type, air spring with leaf spring/long taper springs			
Spring Size	Dimension (mm)	Air: (Dia. x Height - EA)+(Span x Width x Thickness - EA)		
		Leaf: Span x Width x Thickness - EA		
	Air	Front	(200 x 224 - 2 (Air)) + (1,420 x 70 x 11t-1,18t-1(Leaf))	
		Rear	(200 x 228 - 4 (Air)) + (1,450 x 80 x 9t-1,18t-1(Leaf))	
	Leaf	Front	1,400 x 70 x 21t-3	
Rear		1,450 x 80 x 19t-4		
Stabilizer bar	Front / Rear	Torsion bar type		
Shock absorber	Hydraulic double acting telescopic type on the front & rear axles			
<b>Air filter</b>				
Type	Cyclonic dry paper element			
<b>Fuel tank</b>				
Capacity	200 liter			
Material	Steel			
<b>Frame</b>				
Type	Semi-monocoque (FRT & RR Extension Frame)			
Main section side rail (mm)	FRT :163 x 60 × 6t / RR :160 x 60 x 7t			

**3. Instrument grouped on dash panel**

**Instruments**

Meter & gauges	<ul style="list-style-type: none"> <li>- Speedometer with odometer</li> <li>- Voltage</li> <li>- Coolant temperature gauge</li> <li>- Air pressure gauge</li> </ul>	<ul style="list-style-type: none"> <li>- Fuel gauge</li> <li>- Oil pressure gauge</li> <li>- Engine tachometer</li> </ul>
Warning lamp & indicators	<ul style="list-style-type: none"> <li>- Oil pressure warning lamp &amp; buzzer</li> <li>- Coolant level pilot lamp &amp; buzzer</li> <li>- Air pressure warning lamp &amp; buzzer</li> <li>- Battery charging warning lamp</li> <li>- Beam indicator lamp</li> <li>- Directional indicator &amp; hazard pilot lamp</li> </ul>	<ul style="list-style-type: none"> <li>- Parking brake warning lamp</li> <li>- Exhaust brake indicator</li> <li>- Overheat warning lamp &amp; buzzer</li> <li>- Seat belt warning lamp</li> <li>- Brake oil warning lamp</li> <li>- Low fuel warning lamp</li> </ul>
Switches	<ul style="list-style-type: none"> <li>- Battery relay switch</li> <li>- Lighting directional indicator &amp; dimmer switch</li> <li>- Starter switch</li> <li>- Wiper &amp; washer switch</li> <li>- Hazard lamp switch</li> <li>- Warning lamp check switch</li> <li>- Exhaust brake switch</li> <li>- Parking lamp</li> <li>- Ventilator switch</li> <li>- Room lamp switch</li> <li>- Driver speaker switch</li> <li>- ENG room lamp switch</li> <li>- ABS diagnosis switch</li> <li>- Door operating switch</li> <li>- Door fringe switch</li> </ul>	<ul style="list-style-type: none"> <li>- Door open switch</li> <li>- Clutch switch</li> <li>- TV switch</li> <li>- Reading lamp switch</li> <li>- Cold start switch</li> <li>- Start safety switch</li> <li>- Sub starter switch</li> <li>- Mood lamp switch</li> <li>- Heat mirror switch</li> <li>- Stop lamp switch</li> <li>- Low air pressure switch</li> <li>- Air parking brake switch</li> <li>- Neutral switch</li> <li>- Back up lamp switch</li> </ul>
Others	<ul style="list-style-type: none"> <li>- Throttle control knob</li> <li>- Horn button</li> </ul>	

**4. Electrical system Specifications**

**Electrical Equipment**

Type	24 volt negative earth	
Batteries	Number per vehicle: two series-connection earth 12V	
Alternator	Type: with built-in rectifier and separate voltage regulator	
Front parking lamps	5W x 2	
Headlamps	High/low beam 75/70W x 2	
Rear parking lamp	5W x 2	
Directional indicator & Hazard lamps	Front: 21W x 2	Rear: 21W x 2
Licence plate lamp	5W x 2	
Stop/tail lamps	21/5W x 2	
Back-up lamp	21W x 1	

5. Dimensions

Long

