

1. Dimension, Weight Specifications

Drive type	LHD, 4 x 2	
Model	EXPRESS HSX	NEW EXPRESS HSX
Suspension type	Air	

Dimensions (mm)

Overall Length	11,940	
Overall Width	2,490	
Overall Height	2,085	2,270
Wheel Base	6,150	
Wheel tread	Front	2,050
	Rear	1,860
Overhang	Front	2,590 (includes towing hook)
	Rear	3,200
Min. Ground Clearance	196	

Weight(Kg)

Engine	D6AC/D6CA38/D6CB38/D6CB41	D6CA38/D6CA41
Empty Vehicle Weight	7,145/7,135/7,135/7,135	7,215
Front	2,130/1,905/1,905/1,905	1,935
	5,015/5,230/5,230/5,230	5,280
Gross Vehicle Weight**	17,300	17,300
Front	6,500	6,500
	10,800	10,800

**Max.GVV 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

Engine						
Model		D6AC	D6CA38	D6CA41	D6CB38	D6CB41
Type		TCl, 4 cycle, Water-Cooled, Direct-injection	Electronic Diesel			
Number of Cylinder		6				
Piston Displacement (cc)		11,149	12,920		12,344	
Bore x Stroke (mm)		130 x 140	133 x 155		130 x 155	
Compression Ratio		16.5:1(Euro I) 17:1(Euro II)	17:1		17:1	
Max. Power** (ps/rpm)	General	-	-	-	-	-
	Euro I	340/2,200	-	-	-	-
	Euro II	340/2,200	380/1,900	410/1,900	-	-
	Euro III	-	-	-	380/1,900	410/1,900
Max. Torque** (kg.m/rpm)	General	-	-	-	-	-
	Euro I	140/1,400	-	-	-	-
	Euro II	148/1,200	148/1,500	173/1,500	-	-
	Euro III	-	-	-	148/1,200	173/1,200
Cooling System	General	Pressure type with thermostat, Forced circulation by centrifugal water pump				
	Radiator	Corrugated fit and tube type with pressure cap and condenser tank				
Electrical System	Battery	24V-200AH				
	Alternator	24V-150AH	24V-180AH			
	Starter	24V-6.0KW				
Fuel System	Injection pump	DPICO in-line(Euro I) Bosch in-line(Euro II)	Delphi EUI System			
	Governor	All Speed(RLD-J)	Electronic Control			
	Fuel filter	Spin-on type				
Oil System	Lubrication	Forced lubrication by gear pump				
Clutch						
Type		Hydraulic control with air assisted, Single dry plate				
Facing material		Non-Asbestos				
Facing Size (mm); Outside dia. x Inside dia.		ø430 x ø242				
Transmission						
Model		M12S5(D.D)		ZF6S1600	M12S5	ZF6S1600
Gear Ratio	1st	7.213	6.814	6.320	6.814	6.320
	2nd	4.398	4.155	3.620	4.155	3.620
	3rd	2.415	2.282	2.150	2.282	2.150
	4th	1.462	1.381	1.370	1.381	1.370
	5th	1.000	1.000	1.000	1.000	1.000
	6th	-	-	0.810	-	0.810
	Reverse	7.081	6.69	5.810	6.69	5.810
T.G.S.(Transmission Gear Shift)		Floor shift , Mechanical remote control				

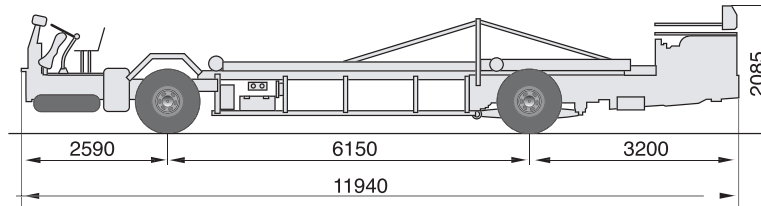
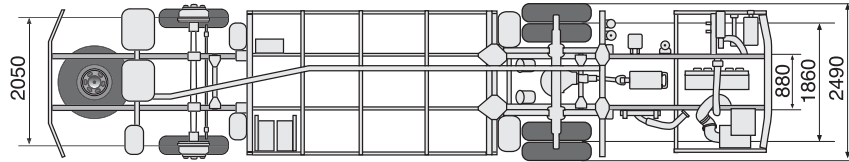
**Max.torque and power of engine specifications may vary according to each country.

2. Chassis Specifications

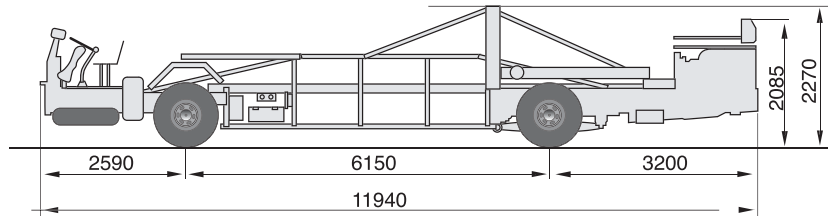
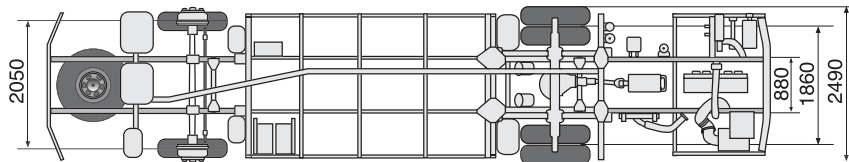
Engine		D6AC	D6CA38	D6CA41	D6CB38	D6CB41
Model						
Propellershaft						
Model		DS 4500				
Type		Tubules, forged steel ends, Universal joints with needle roller bearings				
Size (Diameter x Thickness)		ø109				
Rear Axle						
Model		D10H				
Type		Full floating type				
Capacity(kg)		10,800				
Final Reduction Gear	Type	Single Reduction , Hypoid gear				
	Ratio	3.545	3.153/3.545/3.909	3.909/3.545	3.153	3.545
Front Axle						
Type		Reverse Elliot type " I " beam(Rigid), Double wishbone(Independent)				
Capacity(kg)		6,500				
Tire & Wheel						
Type		Single Front, Dual Rear				
Tire	Front/Rear	12R22.5-16PR / 11R20-16PR				
Wheel size	Front/Rear	8.25T x 22.5 - 165 / 7.5 x 20-165				
Steering						
Type		Ball-nut type with integral hydraulic power booster, Tilt & Telescopic				
Steering Wheel Diameter(mm)		ø 500				
Tilting Angle		57° ~ 67°				
Telescopic Stroke (mm)		50				
Turning Angle	Inner	46° / 45° ~ 37.15° (Air Wide)				
	Outer	37° 51"				
Brake						
Service Brake	Type	Full Air, dual circuit, fixed 'S'cam with spring loaded chambers				
	Drum Diameter(mm)	410				
	Lining size (width x thick)	Front	156 x 19			
Rear		220 x 19				
Parking Brake	Type	Spring loaded type parking brake on the rear wheels				
	Size (mm)	220 x 19				
Exhaust Brake		Air actuated operated, butterfly valve type				
Suspension						
Type	Front / Rear	Rolling lobe type(Air)				
Dimension(mm)			Width x Height - EA			
	Front		285 x 296 - 2 / 310 x 296-2 (Air Wide)			
	Rear		285 x 325 - 4			
Stabilizer Bar	Front / Rear	Torsion bar type				
Shock absorber		Hydraulic double acting telescopic type on axles				

5. Dimensions

EXPRESS HSX (Air)



NEW EXPRESS HSX (Air)



BARE CHASSIS