

1. Dimension, Weight Specifications

Drive type	LHD, 4 x 2
Wheel base	5,400
Suspension type	LEAF

Dimensions (mm)

Overall Length		10,760
Overall Width		2,465
Overall Height		2,063
Wheel Base		5,400
Wheel tread	Front	2,010
	Rear	1,860
Overhang	Front	3,138 (2,120 ; frame)
	Rear	3,222 (3,162 ; frame)
Min. Ground Clearance		255

Weight(kg)

Engine	D6AV	D6AB-D	C6AC(CNG)
Empty Vehicle Weight	5,830	6,005	7,040
	Front	1,370	1,820
	Rear	4,460	5,220
Gross Vehicle Weight**	15,080	16,000	16,000
	Front	5,480	6,000
	Rear	9,600	10,000

** 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.

HYUNDAI BARE CHASSIS | SUPER AERO CITY

2. Chassis Specifications

Engine				
Model		D6AV	D6AB-D	C6AC(CNG)
Type		Natural Aspiration	Turbo Charger,Intercooled	
		4 stroke-cycle, water-cooled, direct-injection diesel engine		4 stroke-cycle, water-cooled, CNG engine
Number of Cylinder		6 in-line		
Piston Displacement (cc)		11,149		
Bore x Stroke (mm)		130 x 140		
Compression Ratio		17 : 1(General), 17.5 : 1(Euro I)	17.5 : 1	11.5:1
Max. Power ** (ps/rpm)	General	235 / 2,200	-	-
	Euro I	220 / 2,200	300 / 2,200	-
	Euro II	-	280 / 2,000	290 / 2,000
Max. Torque ** (kg.m/rpm)	General	78 / 1,400	-	-
	Euro I	75 / 1,400	110 / 1,400	-
	Euro II	-	110 / 1,200	110 / 1,400
Cooling system	General	Pressure type with thermostat, Forced circulation by centrifugal water pump		
	Radiator	Corrugated fin and tube type with pressure cap and condenser tank		
Electrical system	Battery	24V-150AH (MF Battery 200 AH : OPT)		24V-200AH(MF Battery : OPT)
	Alternator	24V-70A(OPT:24V-150A)		24V-180A(Brushless)
	Starter	24V-5.5KW		
Fuel System	Injection pump	DPICO in-line type	DPICO in-line type(Euro I) Bosch in-line type(Euro II)	Woodward CNG System SPI + Mixer
	Governor	Min-Max type(RFD)	Min-Max (RFD) (Euro I) All Speed type(RLD-J)(Euro II)	-
	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 ø250		
Transmission				
Model		M8S5(D.D)	M10S5(D.D)	
Type		5 forward and 1 reverse speed, 2nd to 5th synchro-mesh 1st & reverse constant-mesh gears		
Gear Ratio	1st	6.552	6.571	
	2nd	4.178	4.436	
	3rd	2.415	2.631	
	4th	1.498	1.567	
	5th	1.000	1.000	
	Reverse	6.849	6.240	
T.G.S.(Transmission Gear Shift)		Floor shift , Mechanical remote control		
Propellershaft				
Model		S1710		
Type	Tubular		Tubeless	
	Forged steel ends with universal joint needle roller bearing			
Size (Diameter x Thickness)		ø101.6 x 5 t		ø81

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

HYUNDAI BARE CHASSIS | SUPER AERO CITY

2. Chassis Specifications

Engine model		D6AV	D6AB-D	C6AC(CNG)
Rear Axle				
Model		D8S		
Type		Full floating type		
Capacity(kg)		11,000		
Final Reduction Gear	Type	Single Reduction , spiral bevel gear		
	Ratio	4.875	3.909	
Front Axle				
Type		Reverse Elliot type " I " beam		
Capacity(kg)		6,000		
Tire & Wheel				
Type		Single Front , Dual Rear		
Tire	Front/Rear	10.00 x 20-14PR	11.0R22.5-16PR	
Wheel size	Front/Rear	7.00T x 20-170	8.25T22.5-165	
Steering				
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	45°		
	Outer	37°		
Brake				
Service Brake	Type	Full air, dual circuit		
	Drum diameter	ø410		
	Lining size	Width x Lining thickness		
	(mm)	Front	156 x 19	
		Rear	207.5 x 19	
Parking Brake	Type	Spring loaded type parking brake on the rear wheels		
	Lining size	207.5 x 19		
Exhaust Brake		Air operated, butterfly valve type		
Suspension				
Type		Semi-elliptic, laminf spring		
Spring Size	Dimension	Leaf: Span x width x thickness - Numbers		
	Front	1,450 x 90 x (13 t-2 & 14 t-4) / 1,450 x 90 x (12 t-7 & 13 t-1)-Cold region		
	Rear	1,700 x 100 x (13 t-2 & 15 t-8)		
Stabilizer bar	Front	Torsion bar type		
Shock absorber		Hydraulic double acting telescopic type on the front & rear axles		
Air filter				
Type		Cyclonic dry paper element		
Fuel tank				
Capacity		200 liter	813 Liter(932/1,051 : OPT)	
Material		Steel	Steel + FRP	
Frame				
Type		Semi-monocoque(Front, Rear & Extension frame)		
Main section side rail (mm)		FRT : 180 x 90 x 4.5 t (Rear : 200 x 85 x 7t)		

3. Instrument grouped on dash panel

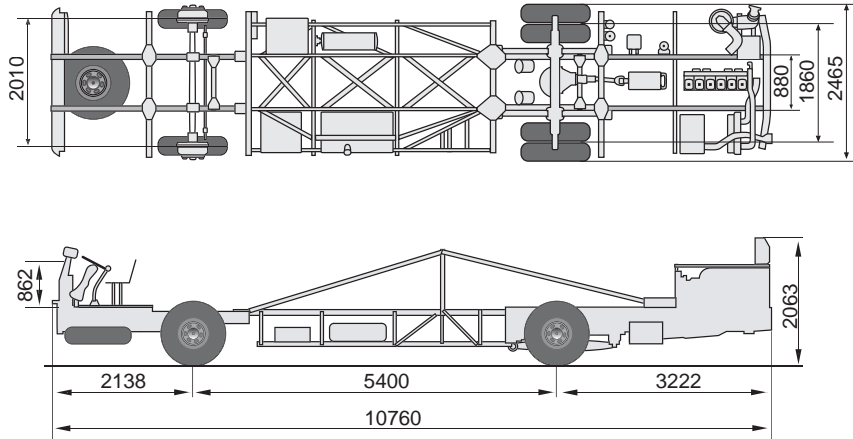
Instruments	
Meter & gauges	<ul style="list-style-type: none"> - Speedometer - Voltage meter - Coolant temperature gauge - Air pressure gauge - Odometer - Fuel gauge - Oil pressure gauge - Engine tachometer
Warning lamp & indicators	<ul style="list-style-type: none"> - Oil pressure warning lamp & buzzer - Coolant level pilot lamp & buzzer - Air pressure warning lamp & buzzer - Battery charging warning lamp - Beam indicator lamp - Directional indicator & hazard pilot lamp - Parking brake warning lamp - Exhaust brake indicator - Overheat warning lamp & buzzer
Switches	<ul style="list-style-type: none"> - Battery relay switch - Lighting directional indicator & dimmer switch - Starter switch - Wiper & washer switch - Hazard lamp switch - Warning lamp check switch - Exhaust brake switch - Parking lamp switch
Others	<ul style="list-style-type: none"> - Throttle control knob - Horn button

4. Electrical system Specifications

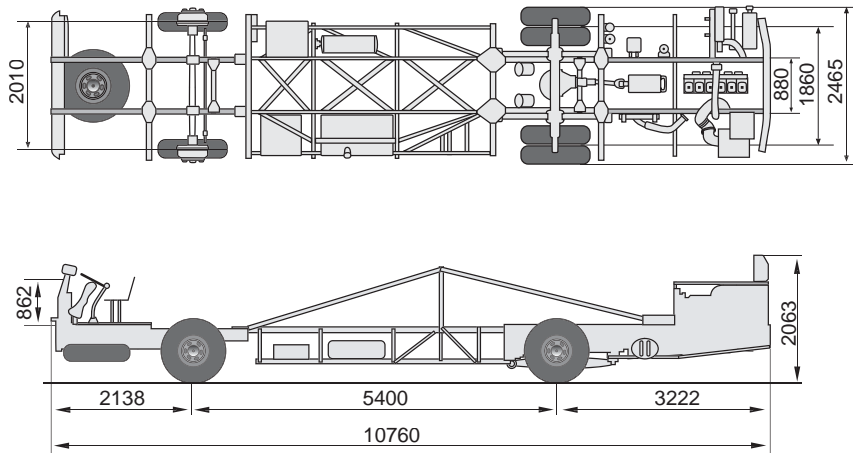
Electrical Equipment	
Type	24 volt negative earth
Batteries	Number per vehicle: two series-connection earth 12V
Alternator	Type: with built-in rectifier and separate voltage regulator
Headlamps	High/low beam 75/70W x 2
Directional indicator & hazard lamps	Front: 21W x 2 Rear: 21W x 2
Licence plate lamp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

5. Dimensions & Seat Layout

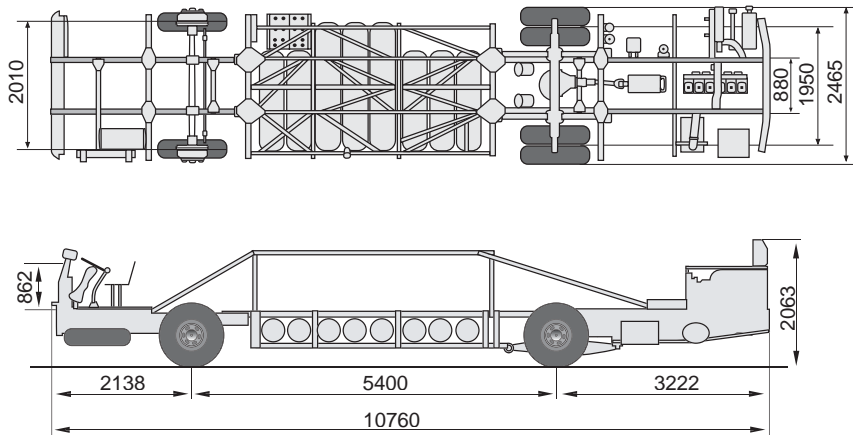
Diesel-D6AV



Diesel-D6AB-D



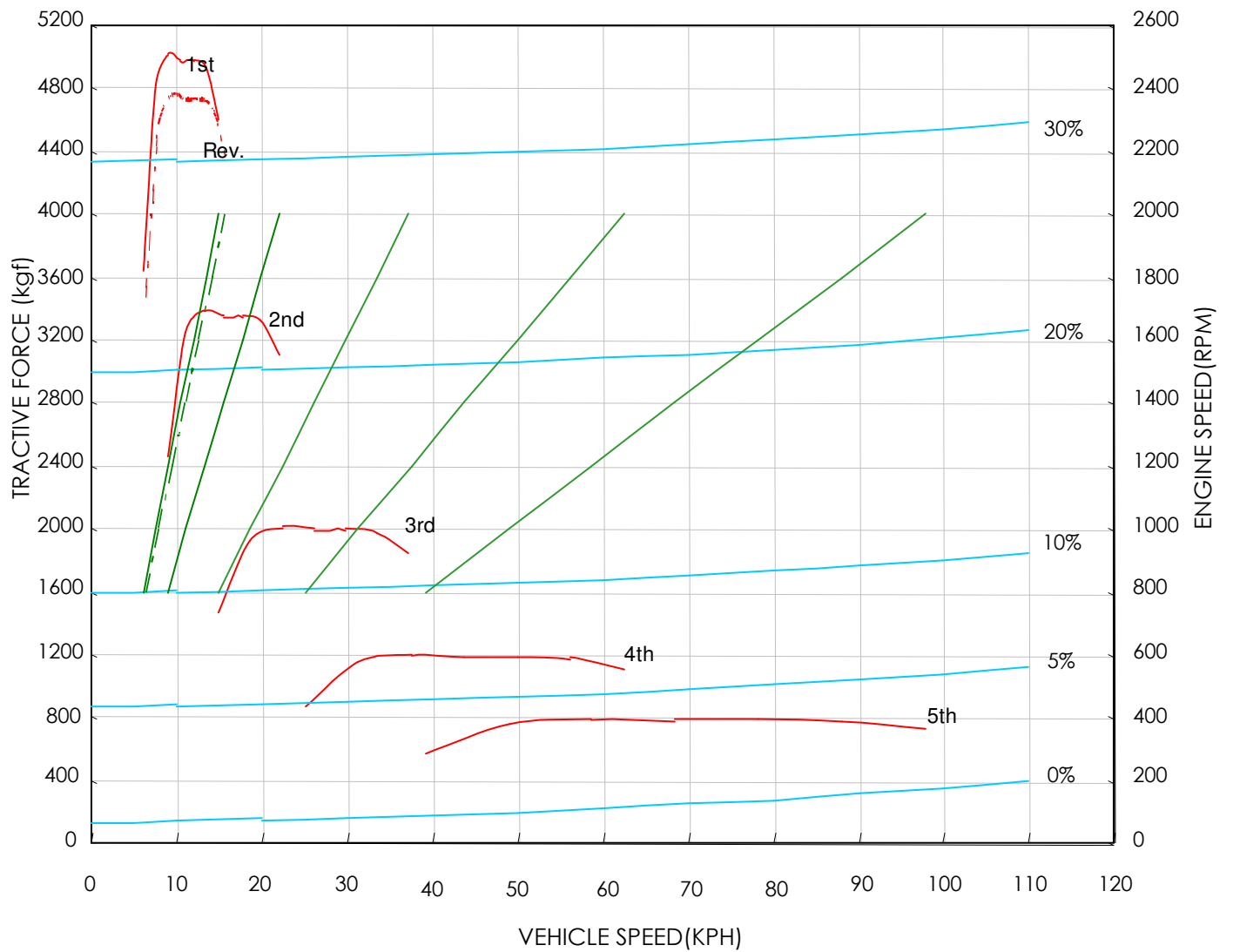
CNG-C6AC



7-3. AERO CITY C6A Engine

Max. Power : 290ps / 2000rpm

Max. Torque : 110kg.m / 1200rpm

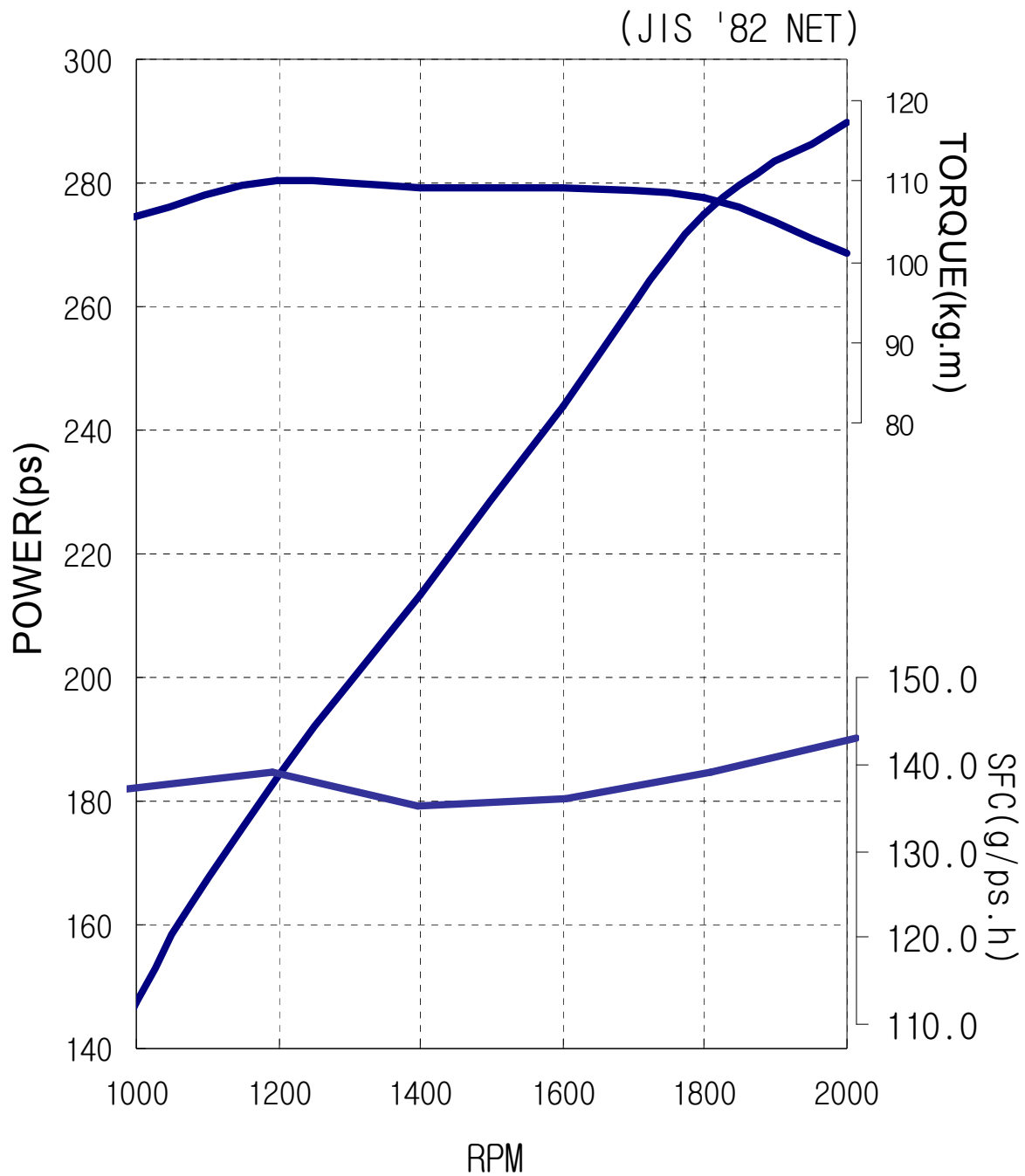


8-3. AERO CITY C6A Engine

Curves represent performance of a run-in engine operating at the standard ambient conditions and with the accessories shown below.

Maximum output guaranteed within 5 % at standard ambient conditions.

Curve	Standard	Baro. Pressure	Air inlet temp.
JIS	JIS D1004	760 mmHg(dry)	15.0°C



Max. Power : 290ps/2000rpm

Max. Torque : 110kg.m/1200rpm