



Aero



Design & Exterior

Aero Express

Experience the real value of Hyundai Aero Express. Ultimate convenience and powerful performance in one exceptional bus! We guarantee optimum fuel efficiency which translates to high profitability. You won't be disappointed.



D

esign & Exterior

New technology breathes in the driving as if
water flows spontaneously

AeroExpress



Design & Exterior

AeroSpace

Hyundai's deluxe, world-class Aero Space is built to please passengers. Wide open interior space and well arranged ergonomic seats reduce fatigue in long-distance travel. A wealth of amenities are offered for the optimum comfort and satisfaction of the passengers. Happy and satisfied passengers make excellent repeat customers.



Interior

AeroExpress



Millennium

AERO BUS

Driver's Air Suspension Seat

Floating on a cushion of air, the driver is isolated from annoying road shocks thus reducing driving stress. The ergonomically designed seat can be adjusted to comfortably accommodate any physique. Individual controls are provided for seat cushion height, seatback rake as well as headrest and seat cushion tilt adjustment



Travel first class with the HMC Aero Express.

Your customers expect the best and the Aero Express delivers a spacious, airy cabin that is the pinnacle of luxury.



Telescopic Steering

Telescopic adjustment gives the driver the freedom to choose the steering wheel height.



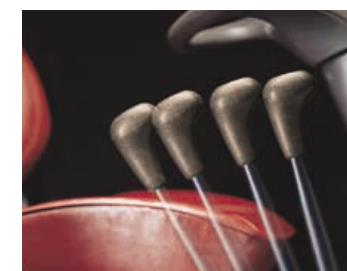
Tilt Steering

Steering wheel tilt is easily adjustable to suit the driver's preference.



Power Steering

Standard on all Aero Bus models, power steering makes maneuvering in traffic as effort-free as possible.



Power-servo Gear Shift

This air power aided shift makes its manipulation easy, alleviating driver's fatigue.



Control Box

TV, VTR, remote controller, parking brake and various interior illuminations are arranged at one place for optimizing driving convenience.



Cluster

Simple, graceful and thoroughly modern, it creates a calm, relaxed mood that passengers appreciate

Aero Express HSX

Outstanding stability. Quietness during high speed cruising. Economic, low fuel costs. Hyundai's Aero Express has it all! Wherever the Aero Express goes, an impressive statement is made.



Aero Space LS/LD

Setting the standard for value and practicality, the Aero Space LS and LD series are eminently suited to the task of transporting people in comfort and style. Bus operators with a careful eye on overhead expenses and bottom line performance will appreciate the Aero Space LS and LD advantages.



Mood Lamp

is an optional LS. With the two-row mood lamp, the interior mood gets more luxurious.



Shelves (HSX)

Balance between the lathe of polished design and box type deluxe speaker system improves the space practicality and appearance.



Shelves (LS / LD)

Practically wide cargo space and easy cleaning



Line Light (2Row)

It maintains an optimal brightness for eye comfort. (Standard on the Aero HSX.)



Line Light (1Row)

Its beautiful design commands a gracious interior mood. (Standard on the LS.)



Fluorescent Lamp

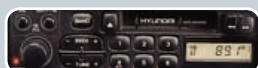
It provides passengers with comfort and practicality.

A

ir control & AV system

AV system

New Millennium
AERO BUS



H818 Audio



Double deck audio system
gives passengers a choice of two audio channels plus radio and video entertainment. 6 AM and 12 FM preset channels for one button tuning. Five band graphic equalizer provides a master control over all sound output. (Standard on Aero Queen)



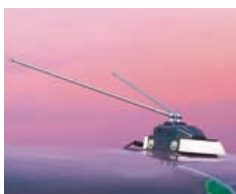
Remote control gives the driver total control
over all major audio/TV and VTR functions including tuning, tape stop, eject, rewind, play and fast forward.



TV



Convenient earphone jack



TV Antenna



VTR

Air Wide Suspension

Comfort driving feeling

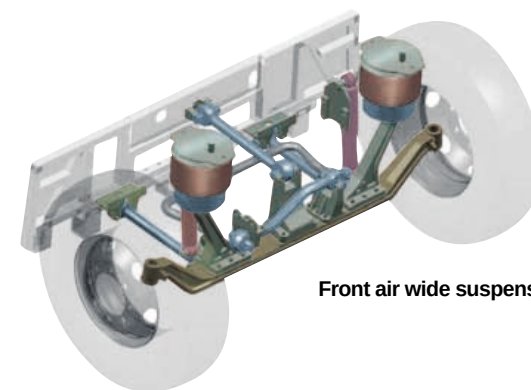
Driving feeling and stability are improved by expanding the air spring tread

Excellent durability

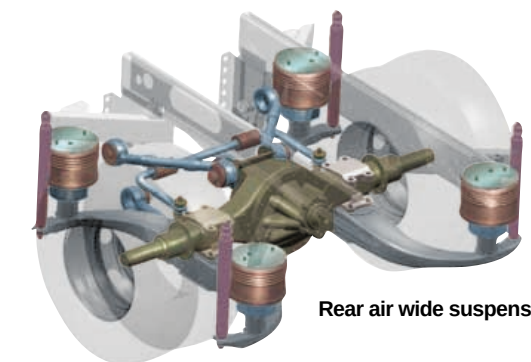
- Improved bushing abrasion and abnormal noise
- Improved air-bag damage due to the generation of heat from the drum

Convenient management

- Keeping rear shock absorbers in repair is improved
- Keeping levelling valve in repair is improved



Front air wide suspension



Rear air wide suspension

Maximum Air Flow - Through

The addition of side ducts to the heater unit enables the even distribution of warm air throughout the cabin for outstanding heating performance. Fan-controlled side intake and exhaust system ensures a steady supply of fresh air.



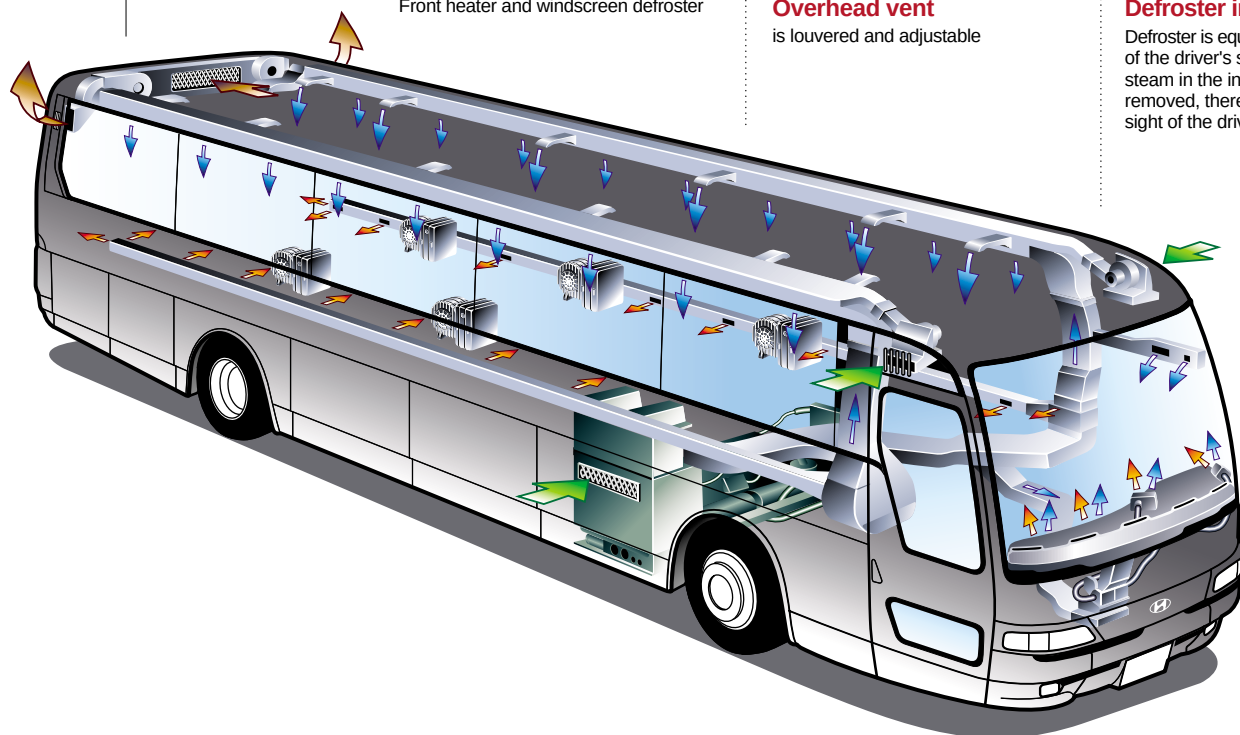
Front heater and windscreen defroster



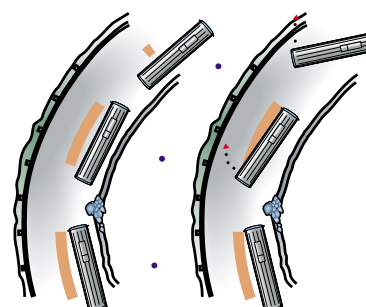
Overhead vent
is louvered and adjustable



Defroster in the driver's seat
Defroster is equipped in the A pillar part of the driver's seat so that the window steam in the inclement weather is removed, thereby for improving the sight of the driver in large scale.



ABS System



With ABS

Without ABS

ABS (Anti-lock Brake System) brings the vehicle to a safe, controlled stop and is particularly advantageous while driving under slippery road conditions. The driver can apply maximum pressure on the brake pedal without worrying about wheel lock, skidding and subsequent loss of control. With ABS, the driver can maintain full directional stability of the vehicle at all times and avoid potentially dangerous situations.



Retarder

Absorbing 90% of braking power it improves the service life of main brake by 5 to 10 times and enhances safety, maneuvering and cost reduction. (option)



Kneeling System

At the flip of a switch, the kneeling system drops the bus height within seconds by 85mm to facilitate easier passenger embarkation and disembarkation. For safety the kneeling system switch is interlocked with the parking brake switch. An integral part of the air suspension system, the kneeling system is optional on the Aero Express and Aero Space LS.



Parking brake

operation is improved with the new gradual parking brake. In the event of main brake trouble it can be used to stop the vehicle with stability.



Auto slack adjuster

keeps an optimum distance between the linings and the wheel drum for maximum stopping power and minimum maintenance expenses. (Option)



Air dryer

removing moisture from the brake air lines prevents brake system corrosion and ending worries about ice formation in the brake lines during winter.



Door safety window

eliminates the blind spot informing the driver of the kerb distance. It is also handy in stop and go city traffic conditions.

Maintenance & Convenience



Deck Assembly Method

Other innovations include the introduction of the deck assembly method. The new method attaches the entire body assembly to the chassis for greater precision, stiffness and strength.

Electro Deposition System

HMC's new bus and truck factory is equipped with a large-capacity electrostatic priming tank which is capable of accommodating the entire bus body. Primers can now reach previously inaccessible areas to provide maximum corrosion protection for the life of the vehicle.

Easy Maintenance Equals Company Profit

Exceptionally durable, the Aero Bus utilizes a special priming in electro deposition and has a body frame engineered to reduce noise and vibration. Easy maintenance means more profit for the company. Use Hyundai's Aero Bus and you will see your profits on the rise.

Features

Comfort that satisfies the body and the mind. Hyundai's Aero Bus is a success in every aspect. The Aero Bus is equipped with many high-tech devices and features that are engineered to give passengers maximum comfort.



Back eye camera(Optional)



Western-type side mirrors



Rear combination lamp



Driver safety partition (LS/LD Option)



Intercooler protective net



Wiper nozzle



Thermos & Refrigerator (Option)



Sun visor



Front defroster



Muffler



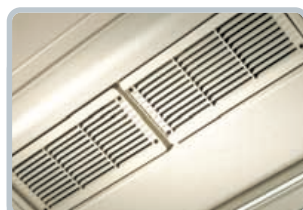
Pre heater(Optional)



Side Ventilation



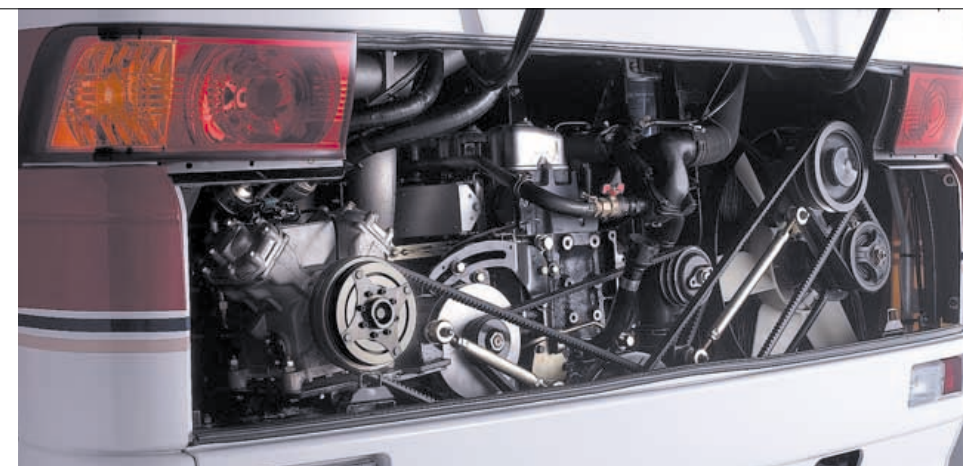
Driver's lockable storage box



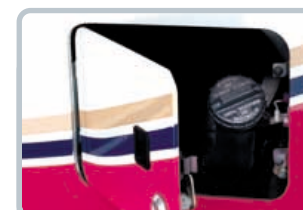
Main overhead ventilation vent



3-step separation type driver's window



Swing type headlamp



Left side fuel tank lid



Right side fuel tank lid



Battery compartment



Auxiliary Engine oil cleaner (Option)



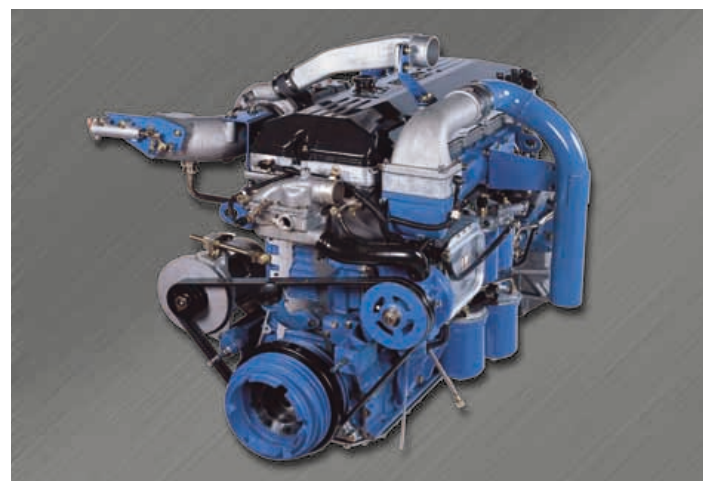
Automatic Grease System (Option)

Powertrain

HMC's updated D series engines have proven themselves by logging literally millions of operation hours in demanding commercial applications to pass the ultimate test of performance and reliability.

A superb balance of powerful response and economy are the twin hallmarks of this engine family. HMC offers four types of six-cylinder D6 engines. Easy to service and maintain, the D series will reward the fleet owner with years of reliable use and a minimum of down time.

Powerful and Economical



D6CA 38B

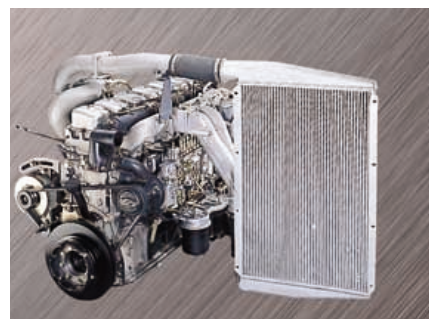
380 PS
/1900rpm

- Type : I6 Turbocharged & After Cooled Electronic Controlled
- Displacement : 12,920cc
- Max. Torque : 148 kg.m /1,500rpm



D6AC 340ps/2200rpm

- Type : I6 Turbocharged & After Cooled
- Displacement : 11,149cc
- Max Torque: 140kg.m /1,400rpm



D6AB-d 300ps/2200rpm

- Type : I6 Turbocharged & After cooled
- Displacement : 11,149cc
- Max Torque: 110kg.m /1,400rpm



D6AV 235ps/2200rpm

- Type : I6 Natural Aspirated
- Displacement : 11,149cc
- Max Torque: 78kg.m /1,400rpm

The engine performance might be different depend on regions

Model line up



1Door

AERO EXPRESS HSX



2Door

AERO EXPRESS HSX



1Door

AERO SPACE /LS



2Door

AERO SPACE /LS



AERO SPACE /LD

Main Specifications

HYUNDAI BUS

AERO

Drive Type	Left Hand Drive, 4x2				
Suspension Type	Rigid		Air Spring		
Model	SPACE LD	SPACE LS		EXPRESS HSX	
Door	1	1	2	1	2
Seat Capacity	45 + 1		45 + 1		43 + 1

Dimension (mm)

Overall	Length	11,600		11,990	
	Width	2,490		2,490	
	Height	3,080 (A/CON : 3,235)		3,260 (A/CON : 3,415)	
Wheel Base		6,050		6,150	
Wheel Tread	Front	2,015		2,050	
	Rear	1,860		1,860	
Overhang	Front	2,350		2,640	
	Rear	3,200		3,200	
Body Inside	Length	10,670		11,145	
	Width	2,340		2,340	
	Height	1,940		1,900	
Min.Ground Clearance		205		190	195

Weight (kg)

Seat Capacity	45+1(1Door)			
Curb Vehicle Weight	11,220	11,580	12,645	
Max.Gross Vehicle Weight *	15,080 (D6AV)	16,000	17,300	
	Front	5,480	6,000	6,500
	Rear	9,600	10,000	10,800

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

Calculated Performance

Engine	D6AV / D6AB-D	D6AB-D	D6AC / D6CA 38B
Max. Speed (km/h)	116 / 126	126	122 / 135
Max. Gradeability (tan θ)	0.25 / 0.32	0.32	0.38 / 0.36
Min.Turning Radius (m)	9.9		10.2

Specifications

Engine	Model	D6AV	D6AB-D	D6AC	D6CA 38B
	Number of Cylinder	6 in-line			
	Max.Power/Torque (ps/kg.m)	235 / 78	300 / 110	340 / 140	380/148
Battery		24V-200AH			
Transmission	Model	M8S5	M10S5	M12S5	
	Type	5 forward and 1 reverse speed			
Rear Axle Ratio		4.875	3.545 / 3.909 / 4.444	3.545	3.153 / 3.545 / 3.909
Tire	Front/Rear	10.00 x 20-14PR(D6AV) 10.00 x 20-16PR(D6AB-D) 11R22.5-16PR(OPT)	10.00 x 20-16PR 11R22.5-16PR(OPT)	12R22.5-16PR	
Brake	Service Brake	Full Air with dual circuit			
	Parking Brake	Spring loaded type on the rear wheels			
	Exhaust Brake	Air operated, butterfly valve type			
Suspension		Semi-elliptic, laminated leaf springs Stabilizer Bar, Shock absorber	Rolling lobe type (Air) Stabilizer Bar, Shock Absorber		
Fuel Tank		300 liter		400 liter	
Door	Front	Auto Folding	←	Auto Swing	
	Middle	—	Auto Folding (Option)	Auto Swing (Option)	
Aircon	Capacity(kcal/h)	24,500		26,000	

Annotations

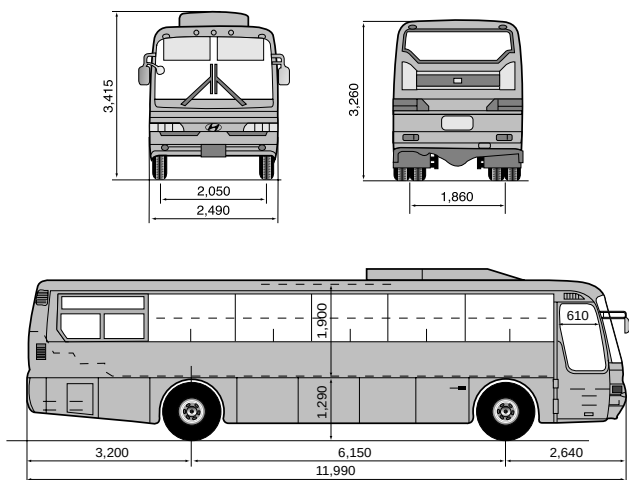
- 1) This vehicle specifications may differ per country and allow for production tolerance.
- 2) Curb vehicle weight includes weight of oil, fuel, coolant and spare tire carrier & bracket, spare tire but exclude standard tool set.
- 3) Hyundai Motor Company reserve the right to make change in specifications, equipments and design, or to discontinue models or options without notice at any time.

Layout

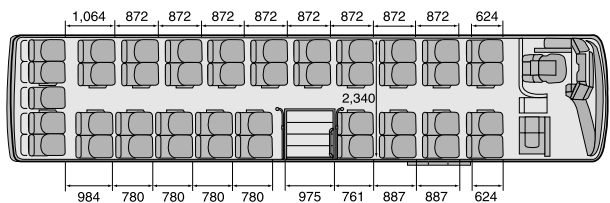
HYUNDAI BUS

AERO

AERO EXPRESS HSX

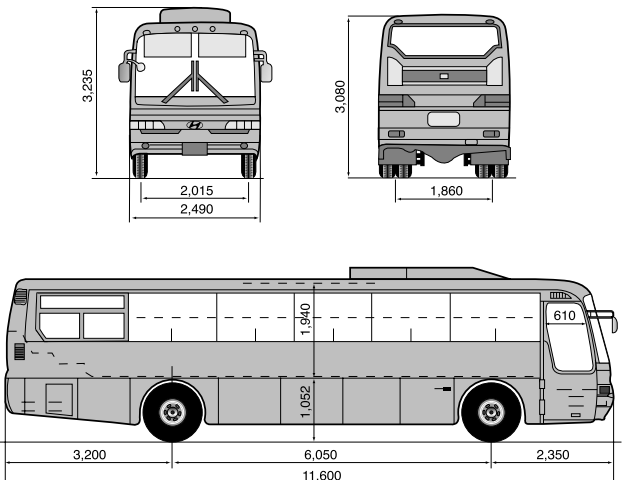


(45+1)

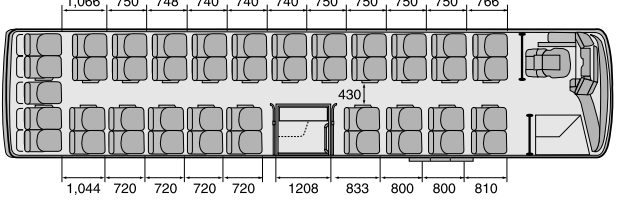


(43+1)

AEROSPACE LD/LS



(45+1)



(45+1)

