

» A Better Way to Get Around **MATRIX**



  
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**HYUNDAI**



## The Smarter Way to Get Around

Life can get really hectic some days. Running around town, picking up here and dropping off there. Then there are the days of pure relaxation and pleasure when you enjoy taking it easy.

To help you get through the day, you need a reliable and versatile life partner. A partner like Matrix that's ideal for young families and independent-minded singles.





**A New Day,  
a New Approach**

Times change. So do your expectations. And that's why Hyundai created Matrix. With its handsome elegance and great practicality, Matrix offers exciting new features and clever stowage solutions. Small on the outside but big on the inside, Matrix is also a lot of fun to drive.





**You'll Love Its Exemplary Practicality**

Matrix is the perfect city car that fits right into your busy life style. It doesn't take up much space so it's easy to maneuver and park. If you're the tall type, you'll especially appreciate Matrix's high roof line that makes entry and egress much easier than in a conventional sedan.





### Matrix Makes Life Simpler

All of Hyundai's sophisticated engineering skills, the endless refinement and care to detail have a single goal: Making your life simpler. Matrix is everything a car should be: reliable, safe, comfortable and convenient. So you don't have to worry about a thing. That's what Matrix is all about. Simply beautiful.





**Center Facia**  
New thinking that's ahead of the times. Gauges and controls are centrally positioned and organized for easier viewing and operation.



**Scuff Plate**  
Door sills will stay neat looking because they are protected by a durable plastic scuff plate.



**Parking Brake**  
Conveniently located on the center floor console, the parking brake is easy to use and stays out of the way.



**Sunvisors**  
Padded sunvisors include vanity mirrors and come with a ticket holder on the driver side.



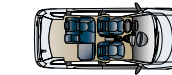
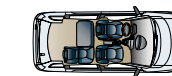
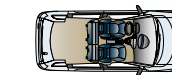
**Safety Grips**  
Each window seat comes with an overhead safety grip Matrix passengers will appreciate.



**Driver Door Console**  
The curved console puts power window and lockout switches at the driver's fingertips.



**DC Power**  
The luggage area includes a power outlet as standard. The center console outlet is an option.



**Sliding Rear Seats**  
New seat rails permit 195mm of sliding adjustment to keep knees happy. And the seatbacks have a folding-reclining range of 23 to 58 degrees. In addition to the 60:40 split folding feature, they can be double-folded to make room for over-sized cargo. Up/down adjustable headrests are included.

## If You Love Simplicity, You'll Love Matrix

» As you slip behind the wheel of Matrix, you'll appreciate the simplicity and beauty of the cockpit design. Just one look and you'll understand. The airy spacious interior provides an excellent view of surrounding traffic and the seat cushions give special attention to back and thigh support for the ultimate seating comfort. Everything works intuitively so there's

no fussing and fumbling. And in an innovative design touch, the gauge cluster has been relocated to the center where it's easier to see.



**Telltale Lamps**  
Warning icons and automatic gear shift indicator are in the driver's direct line of sight-over the steering column-for maximum visibility.



### Stay Informed

How many km left with the remaining fuel in the tank? What's the average travel speed and duration of the current trip? At the touch of a button, the trip computer tells all with a easy-to-read icons and digits displayed on a large LCD screen. It can also track two trip distances so route distances can be compared. Optional with GLS trim.



Possible travel distance until next refueling



Average travel speed



Travel time

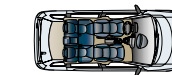


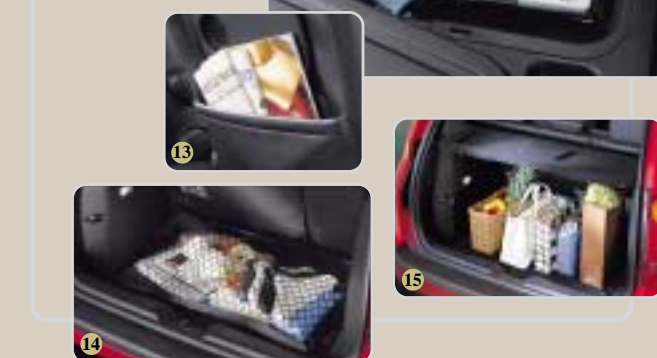
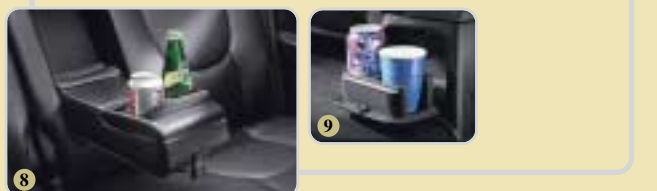
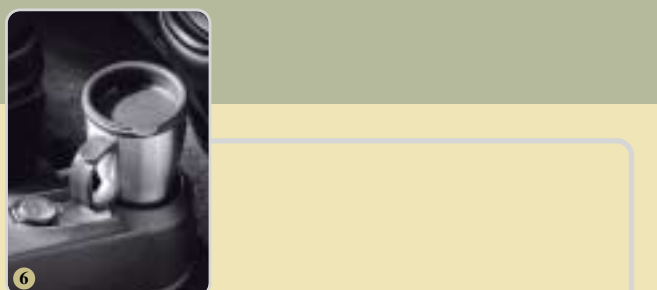
### Driving to the Beat

Pump up the volume! For great sounds that will keep you moving, Matrix comes with a choice of great-sounding audio systems that are affordably priced. These include an AM/FM stereo cassette and an eight-disc CD changer. Four acoustically tuned speakers are standard-two up front in the doors and two in the rear. Door tweeters are exclusive to GLS trim.



H280 Audio





**Carry More**  
The cavernous luggage compartment offers 350 liters of cargo space (with rear seats in normal position). Load volume can be more than tripled to 1284 liters with the rear seats double folded.

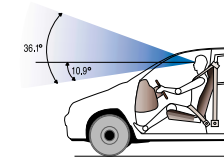
## A Quiet and Comfortable Approach to Driving

» Matrix is packed with new ideas to make your life more comfortable and convenient starting with the low sloping hood and expansive windscreen that provide the driver with ideal visibility. And there's plenty of stowage space to carry more luggage and keep your travel essentials neatly organized. The tailgate swings open 84 degrees to offer 1.84m of head clearance for easy loading and unloading of cargo.

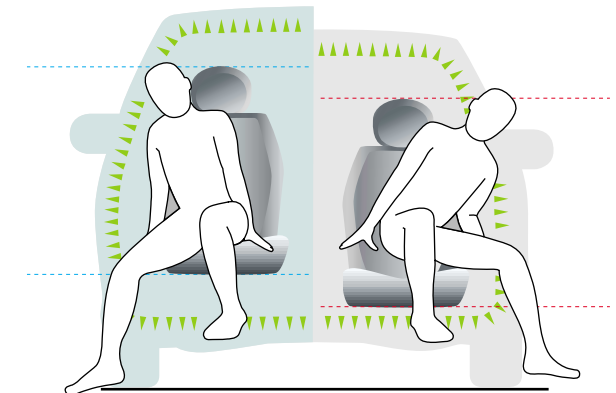


**Just the Right Temperature**  
Air vents and a powerful blower ensure the even distribution of heated or cooled air throughout the cabin. Air conditioning and a cabin air filter are available separately as options.

## The Whole Idea Is to Enjoy Every Moment Behind the Wheel



» There are some cars you really look forward to driving. Because you just can't get enough. Matrix is that kind of car. You'll love its accurate, highly responsive steering and its gentle, supple ride. And the engine satisfies your need for great throttle performance but it's also a fuel sipper that'll never be a burden on your wallet. On the safety front, Matrix offers you and your loved ones total peace of mind by protecting occupants from every angle with a steel safety cage that includes front and rear crumple zones plus side-impact protection beams.



### Extra Headroom

Unlike a sedan, Matrix has a high roof that tall types will especially appreciate. It makes getting in and out a whole lot easier. What's more, rear seats are slightly elevated for a better view of the road ahead.



Seeing on a Whole New Level  
Side windows have been extended to create a brighter, airier cabin ambiance that your passengers will appreciate.



635mm      2,600mm      790mm

### Sleek and Compact

Matrix cuts a profile that's sleek and aerodynamically efficient. Reduced resistance translates into better fuel economy and less wind noise.





What a Performance!

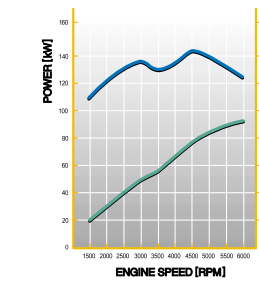
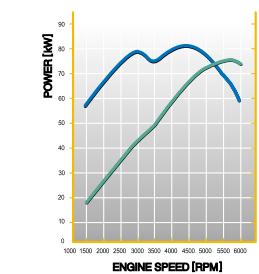


## Engine Evolution Is a Never-Ending Process

» Hyundai engines have always been known for their reliability and long service life. However, Hyundai engineers are never content with their creations but are always striving for greater efficiency in their power plant designs. How to make engines more powerful but more fuel efficient is a question with seeming contradictions. But by applying new weight saving materials in partnership with innovative electronics, Hyundai has created a new breed of engines that deliver higher output without sacrificing fuel economy. These engines are quieter, smoother and more dependable than ever. By following the recommended maintenance schedule, Matrix will last many years and many miles down the road.

### 1.6-liter ▶

The second generation Alpha engine has been extensively refined for higher output without sacrificing fuel economy. Offering maximum enjoyment and requiring minimum care, this 16-valve DOHC engine has a peak output of 76 kw @ 5800 rpm.



### ◀ 1.8 Beta II

Featuring innovative electronic controls, a revised intake system and reduced noise and vibration, this engine achieves a new level of response both in the city and on the highway. A peak power of 90.2 kw@6000 rpm is sufficient to satisfy the most ardent driving enthusiast.

### Four-Wheel Independent Suspension for a Smoother Ride

Wheel movements are precisely controlled by a sophisticated suspension with gas-filled shock absorbers for optimum traction, maneuverability and stability. Power is transferred to the wheels via a smooth-shifting five-speed gearbox and hydraulic clutch.



**The Keys to a Better Ride**  
Up front, Matrix is fitted with MacPherson struts and coil springs while the rear axle rides on a dual link and coil setup. Gas-filled shock absorbers—the choice on high performance cars—ensure superior damping control and optimal ride and handling characteristics.



**Five-Speed Manual**  
The smooth-shifting manual delivers uncompromising performance and maximum fuel economy.



**Four-Speed Automatic**  
For the final word in driving convenience, choose the silk-smooth four-speed automatic transmission. Optional.



15-inch Alloy Wheel (P205/55R15 Tire)



15-inch Alloy Wheel (P195/55R15 Tire)



14-inch Wheel & Cover (P185/65R14 Tire)



### It Helps to Be Active

Hyundai's active safety engineering helps you avoid an accident in the first place with advanced anti-locking brakes that include innovative Electronic Brake Force Distribution for better control.

### And It Helps to Be Passive

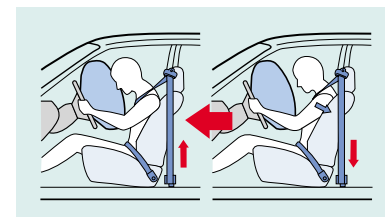
Matrix's steel safety cage, dual airbags and advanced seat belt designs are examples of Hyundai's passive safety engineering that's designed to reduce the risk of injury in an accident.



## After All, It's Safety That Matters Most

» Matrix is the latest example of Hyundai's uncompromising dedication to car safety. Protection begins with the bodyshell which has been reinforced at critical points with high-tensile strength steel to create a highly rigid safety cage. In a collision, structures deform in a precalculated manner to absorb impact energy while airbags provide an

additional line of defense. Dual front and side airbags as well as a front seatbelt pretensioning system are available as options. Braking power is supplied by a tandem booster and ventilated front disc brakes. ABS with Electronic Brake Force Distribution is also available.



**Seat Belt Pretensioning System**  
This optional system works in conjunction with the airbags to offer front seat occupants maximum protection and reduce the risk of chest and face injuries. On detecting an impact that has triggered airbag deployment, seat belt webbing is reeled in and then paid out within a fraction of a second. Matrix airbags are the latest depowered type.

### Safety Technology That's Out of Sight But Not Out of Mind

Some of the most sophisticated aspects of Matrix's engineering are invisible to the eye. Things like the steel safety cage which has been created with the help of a supercomputer and computer simulated crash testing.



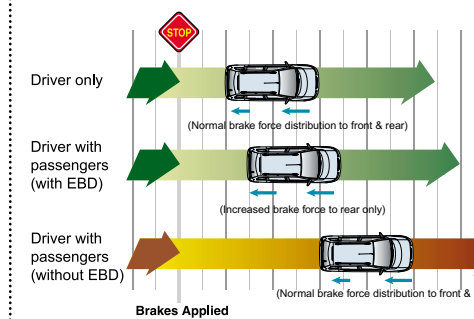
#### Protection From Any Angle

Side, front, rear and offset: Name the collision angle and you can be sure Hyundai has covered it exhaustively, including rollover crashes. Real-world testing is augmented by computer simulated crash testing which greatly reduces the number of expensive prototypes that need to be built thus reducing development time and costs.



#### Steel Safety Cage

Matrix's bodyshell has been reinforced at critical points with high-tensile strength steel to create a highly rigid safety cage. To reduce the risk of side intrusion, doors are reinforced with members made of high-tensile strength steel.



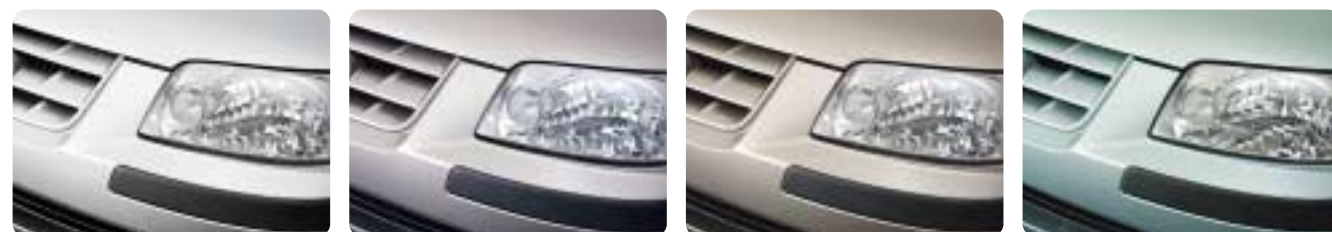
#### Anti-Locking Brakes + EBD

ABS not only shortens stopping distances (especially on slippery pavement) but also helps the driver maintain directional control allowing the car to be steered around a trouble spot. Electronic Brake Force Distribution regulates brake pressure by taking into account vehicle load distribution and helps promote straight line stops.



### An Exciting Choice of Colors and Combinations

Young and contemporary, the Matrix exterior color palette and choice of interior materials are as exciting as they are varied. Select the one that's perfect for you. Your Hyundai dealer will gladly discuss the available combinations and options.



**NW** (Noble White)      **SJ** (Milky Silver)      **KO** (Prime Beige)      **MC** (Moderate Silver)



**SR** (Shimmer Blue)      **MS** (Mystic Teal)      **PU** (Cardinal Red)      **EB** (Ebony Black)



**Leather**      **Cloth(GLS)**      **Cloth(GL)**

- Some of the equipment illustrated or described in this catalogue may not be supplied as standard equipment and may be available at extra cost.
- Hyundai Motor Co. reserves the right to change specifications and equipment without prior notice.
- The color plates shown may vary slightly from the actual colors due to the limitations of the printing process.
- Please consult your dealer for full information and availability on colors and trim.

## Specifications

ENGINE				
Type	1.6 I 4 DOHC		1.8 I 4 DOHC	
	(LEADED / UNLEADED)		(LEADED / UNLEADED)	
General	Displacement (cc)	1,599	1,795	
	Bore X Stroke (mm)	76.5 X 87	82 X 85	
	Compression Ratio	10	10.1	
	Max.Power (KW/rpm)	76 / 5,800	90.2 / 6,000	
	Max.Torque (Nm/rpm)	141 / 4,500	160.9 / 4,500	
Cylinder Block	Iron			
Cylinder Head	Aluminum			
Valve System	Direct Acting HLA	Direct Acting MLA		
Fuel Tank Capacity (Liter)	55			

TRANSMISSION				
Type	Manual		Automatic	
	1.6 GASOLINE		1.8 GASOLINE	
General	5-Speed		4-Speed Transaxle With Floor Shift	
Gear Ratio	1st	3.615	←	2.846
	2nd	2.053	←	1.581
	3rd	1.393	←	1.000
	4th	1.061	←	0.685
	5th	0.837	←	-
	Reverse	3.250	←	2.176
	Final Gear Ratio	4.056	←	4.381
Clutch Type	Push Type	Pull Type	-	
Lubricant Oil Capacity (Liter)	2.15	6.1	6.7	

STEERING	
General	4-Spoke Steering Wheel (3-Spoke Without Airbag), Energy Absorbing Collapsible Steering Column
Overall Steering Gear Ratio	15.87
Steering Wheel Turn (Lock to Lock)	3.19

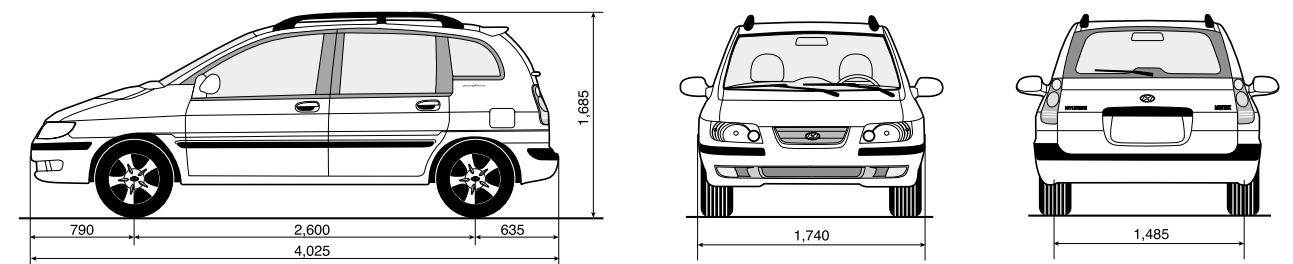
WHEEL & TIRE	
Wheel	5.5J14 (5.5J15 / 6.0J15)
Tire	185 / 65R14 (195 / 55R15, 205 / 55R15)
Spare Tire	Temporary Tire (Full Size)

DIMENSIONS		
Type	5DR HATCHBACK	
O. A. L	4,025	
O. A. W	1,740	
O. A. H	1,635 (With Roof Rack: 1,685)	
Exterior (mm)	Wheel Base	2,600
	Wheel Tread	Front: 1,485 Rear: 1,485
Over Hang	Front	790
	Rear	635
Leg Room	Front	1,046
	Rear	956
Head Room (mm)	Front	1,027 (With Sun Roof: 982)
	Rear	999 (With Sun Roof: 987.5)
Shoulder Room	Front	1,397
	Rear	1,405
Hip Room	Front	1,340
	Rear	1,360
Minimum Ground Clearance (mm)	160	
Minimum Turning Radius (m)	5.2	

SUSPENSION	
Front	MacPherson Strut with Coil Spring
Rear	Dual Link
Shock Absorber	Gas

PERFORMANCE				
Type	Manual		Automatic	
	1.6 GASOLINE		1.8 GASOLINE	
Engine	1.6 GASOLINE	1.8 GASOLINE	1.6 GASOLINE	1.8 GASOLINE
Max Speed(KPH)	170	184	166	170
Acceleration (SEC)	0 → 60KPH	5.2	4.9	5.9
	0 → 100KPH	12.7	11.3	14.2
	60 → 100KPH	12.0	10.5	8.2
	REACH TO 400m	18.4	18.3	19.7
Braking (m)	50 → 0KPH(Non-ABS / ABS)		11.6 / 11.5	
	100 → 0KPH(Non-ABS / ABS)		46.2 / 42.0	

## Dimensions(mm)



## Line up

**MATRIX GLS**



**MATRIX GL**



## Reflecting on the Environment

Superior quality, durability and reliability are great reasons for choosing Matrix. But there's one more equally important reason: Matrix, like all Hyundais, was designed from the ground up with respect for the environment. Its engine meets or exceeds the toughest emission standards in Europe and the body, chassis and trim make maximum use of recyclable materials. To facilitate recycling, a material composition code is stamped on all major plastic parts. And Matrix, like all Hyundais sold worldwide, is made at an ISO 14001 certified plant to minimize adverse impact on the environment. Hyundai is doing more to create a greener, healthier world for all.



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## Countdown to 2002 and The Greatest Show on Earth

For the first time in the history of the FIFA World Cup, the world's greatest popular sporting event is coming to Asia as Korea and Japan join hands to co-host the 2002 FIFA World Cup™.

More than just a game, football is a passion that unites billions of fans around the world who love the drama and excitement of the world's greatest game. FIFA's ideals of excellence and fair play are shared by Hyundai Motor, a globally ranked player that is proud to serve as an official partner of the 2002 FIFA World Cup™.

Be there! The world will be watching!



2002  
FIFA WORLD CUP  
KOREA JAPAN

Official Partner

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