

# WHY especially a GOLIATH

There are 6 excellent reasons:

1. Goliath's front wheel drive gives a big car feel and greater safety to the driver and his passengers.
2. Goliath is designed to give extra leg room and height which greatly adds to the occupants comfort and gives Goliath a decided advantage over its competitors.
3. Goliath's 46\* H.P., 4 cylinder, 4 cycle airplane type engine gives the car pound for pound one of the most powerful and economical-to-operate engines in the world.
4. The storage space in every Goliath gives ample room for an entire family's luggage.
5. Goliath's ability to move safely and easily through heavy traffic or cruise on the open road comfortably at 75 miles per hour is protected at all times with a unit constructed body plus extra large 4 wheel hydraulic brakes. These features make Goliath one of the safest cars on the road.
6. Goliath cars average in excess of 30 miles per gallon even in heavy city traffic and cost of maintenance and operation is approximately half the cost of any domestic car.

In addition, remember no matter what your requirements for an automobile may be, Goliath has a car particularly designed and suited to your needs.

For instance, in the new Goliath 1100B there are three series, the *Hansa* 2-door Sedan . . . the Station Wagon and the Convertible . . . the luxurious *Empress* 2-door Sedan and the new high performance special *Tiger* sports coupe.

On the following pages these different models are pictured and described — but better than the pictures and descriptions we would like to show you the car on the road actually performing with you at the wheel.

*\*The Empress and the Tiger series have a 63 H.P. special "Tiger" power plant with dual carburetors, special valve mechanism auxiliary oil cooler, high speed transmission and a 7.9 to 1 high compression ratio.*

## WITH FRONT WHEEL DRIVE

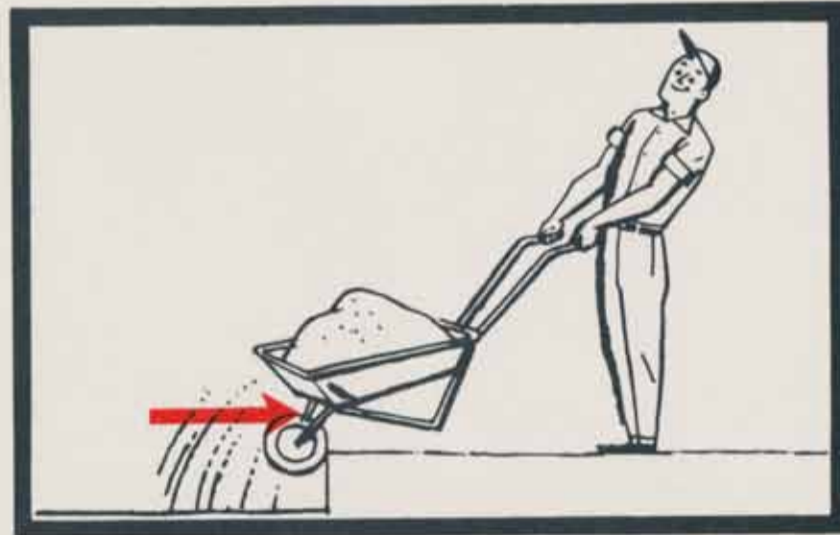
Goliath's swing axle front wheel drive system, acknowledged by automobile experts the world over as the perfect method of applying power to an automobile, is limited to cars of special size and weight dimensions . . . fortunately Goliath qualifies exactly within these size and weight specifications.

Front wheel drive means that a car is pulled and not pushed. Front wheel drive also means that the controlled front wheels pull the car through bends and corners and even on wet, snowy or icy roads high average speeds can be maintained with absolute safety. The illustration below shows dramatically and simply the enormous advantages that front wheel drive has over conventional rear wheel drives of cars of like size . . . *it's simply easier to pull a wheel than to push it.*

This feature, coupled with the airplane type engine, along with the unit transmission differential assembly, gives Goliath many distinctive advantages and characteristics not found in any other imported or domestic automobiles.



#1



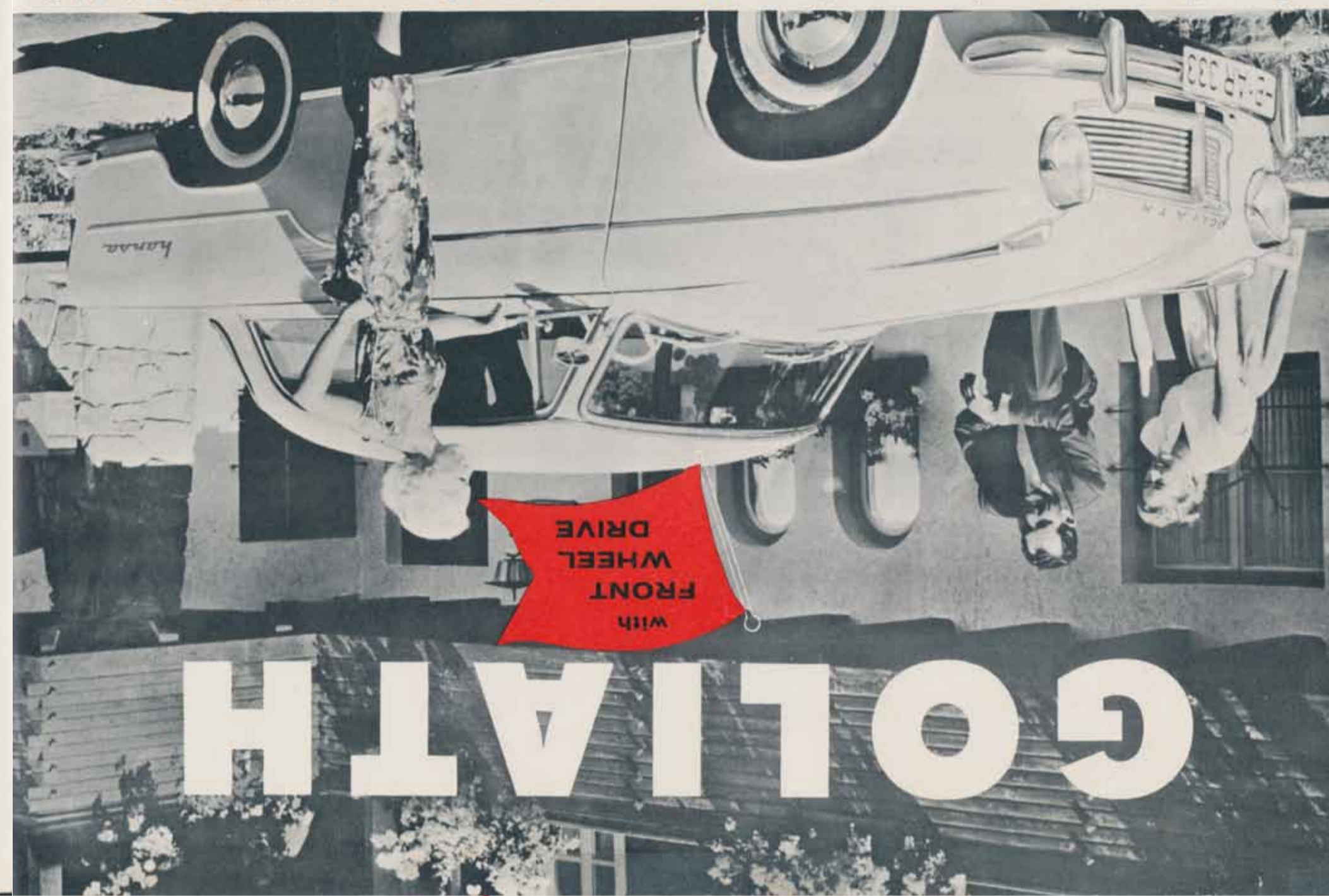
#2

Notice the problem encountered by the man trying to push his wheelbarrow against the curb in Illustration #1. The reason is that the man is pushing the wheel from behind.

Now notice the man in Illustration #2 with the same wheelbarrow and the same load, facing the same obstacle with the curbstone — by pulling he only has to exert a small part of the energy to overcome what may be impossible to overcome regardless of the amount of energy exerted in Illustration #1. Bear in mind that this simple principle, when applied to an automobile the size and weight of Goliath, makes Goliath the outstanding car in its class.

Because of this very interesting front wheel drive under slung suspension, the Goliath interior is much roomier than that possible with a conventional design in a car anywhere near the size of Goliath.

the imported car for discriminating AMERICANS



### SPECIFICATIONS

#### 46 H.P. AIRPLANE TYPE ENGINE

System	Four-cylinder four-stroke carburetor engine
Style	Flat four
Bore	74 mm (2.91 inches)
Travel	64 mm (2.52 inches)
Cubic capacity	1094 cc (66.73 cu. inches)
Engine power	46 SAE h.p. at a speed of 4250 r.p.m.
Compression ratio	7.3 to 1
Lubrication system	Forced feed or circulation lubrication
Oil quantity	3 litres (6.34 USA pint, 0.79 USA gallons)
Fuel feed	Diaphragm pump with tappet drive
Carburetor	Downdraft carburetor
Cooling system	Water cooling

#### 63 H.P. TIGER ENGINE

Specifications differ from the 46 H.P. Engine as follows:

Maximum Torque	58 ft. lb. at 4500 RPM
S.A.E. Horsepower	63 H.P. @ 5000 RPM
Compression Ratio	7.9 to 1
Carburetors	Two — Solex Down-Draft 32 PICB
Gear Ratios	4.0 : 2.16 : 1.31 : 0.85 : 3.82
Maximum Speed	90 M.P.H.

The 63 H.P. Tiger Engine is equipped with dual carburetors, special valve mechanism, auxiliary oil cooler, high speed transmission, and high compression heads.

#### ELECTRICAL EQUIPMENT

Battery	6 volts/84 ampere/hours
Electric generator	BOSCH LI/GEG 160/6/2500 + W 30 R
Starter	BOSCH EED 0.4/6 R 29

#### POWER TRANSMISSION

Clutch type	Fichtel & Sachs K 10 IE
Gear type	Fully-synchronized mechanical stepped-speed gear
Number of speeds	4/1
Gear ratios	Forward speeds: 1st speed 1:4, 2nd speed 1:2, 3rd speed 1:1.4, 4th speed 1:0.87, Backward speed 1:3.82
Axle ratio	1 : 4.714
Type of drive	Swing axle front wheel drive

#### CHASSIS

Style	Central tube frame
Front axle	Swing axle
Rear axle	Rigid axle
Shock absorbers	Telescope type shock absorbers
Steering	Rack type steering
Wheel base	89.37 inches (2270 mm)
Track	50.79 inches, 49.21 inches (1290/1250 mm)

#### WHEELS AND TIRES

Rim type	Drop base rims
Rim size	41x13
Tires	5.60x13

#### BRAKES

Foot brake	Internally acting four-wheel brake of the hydraulic type
Hand brake	Rear wheel brake of the mechanical type

### TECHNICAL DATA

#### DIMENSIONS

Length	160 inches (4058 mm)
Width	64 inches (1630 mm)
Height (when unloaded)	57 inches (1450 mm)
Ground clearance	8 inches (210 mm)

#### WEIGHTS

Dead weight	1896 lbs. ( 860 kg)
Unloaded weight	805 lbs. ( 365 kg)
Payload	2701 lbs. (1225 kg)
Admissible total weight	

#### PERFORMANCE

Climbing ability	1st speed 34.8%, 2nd speed 19.4%, 3rd speed 10.6%, 4th speed 4.6%
Top speed	More than 75 m.p.h. (120 km/h)
Fuel consumption	On average 30.2 miles per gallon (U.S.A.) 35.8 miles per imperial gallon (7.8 l/100 km)
Turning diameter	35'8" (10,70 m)

#### FUEL AND WATER QUANTITIES

Cooling system	(2.11 gallons U.S.A., 1.76 imperial gallons) 8 litres
Fuel tank	(11.9 gallons U.S.A., 9.9 imperial gallons) 45 litres
After-feed to the engine	(0.79 gallons U.S.A., 0.66 imperial gallons) 3 litres

We reserve the right to alter the construction and finish of our cars.  
GOLIATH-WERK GMBH · BREMEN



GOLIATH SALES CORPORATION

Burlingame, California

EXCLUSIVE

U.S. IMPORTERS FOR GOLIATH  
PASSENGER CARS AND TRUCKS

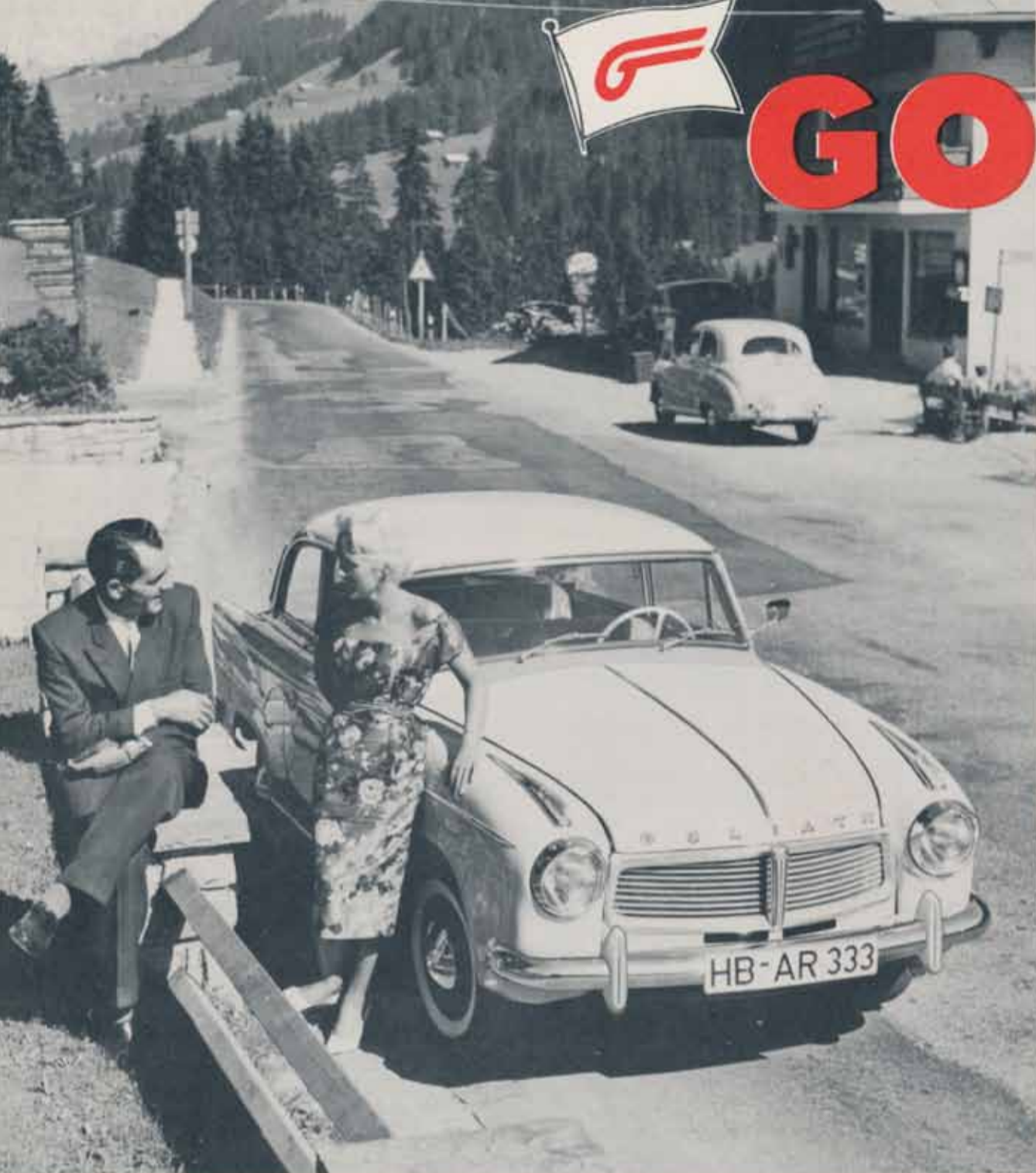
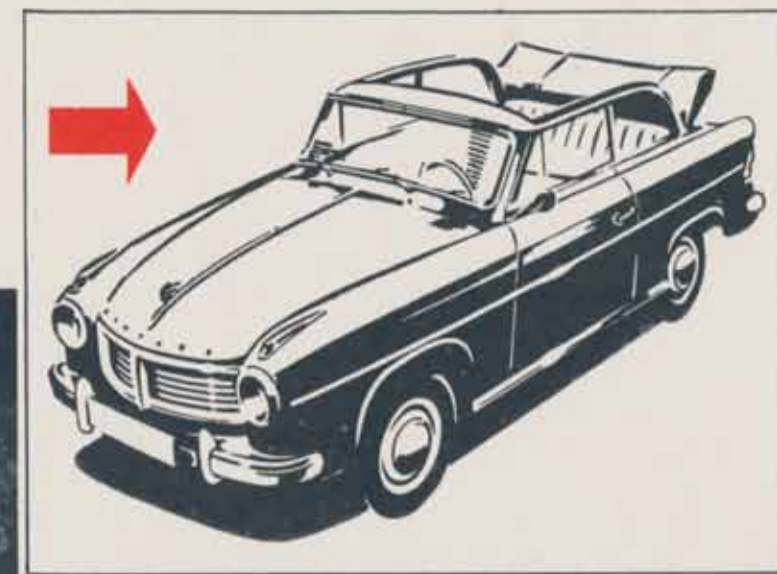


# GOLIATH 1100<sup>B</sup>

with...FRONT WHEEL DRIVE

## GOLIATH CABRIOLET

For those who demand a convertible the Goliath Cabriolet combines a sports car and a family car.



**THE EMPRESS** has been called Europe's most distinguished and luxurious economy car and there are several reasons why this car has been given this well-deserved honor.

First - In appearance the Empress' longer lower body has helped set the style in European car designing for the past two years.

Second - Its powerful 63 H.P., 4 cylinder, twin carburetor water cooled "Tiger" engine gives the car power and acceleration that won first place for the Empress in its class in the gruelling 1958 Riverside, California 500 mile road race. This beautiful and powerful luxurious Sedan comes in optional two tone colors with harmonizing upholstery combinations.

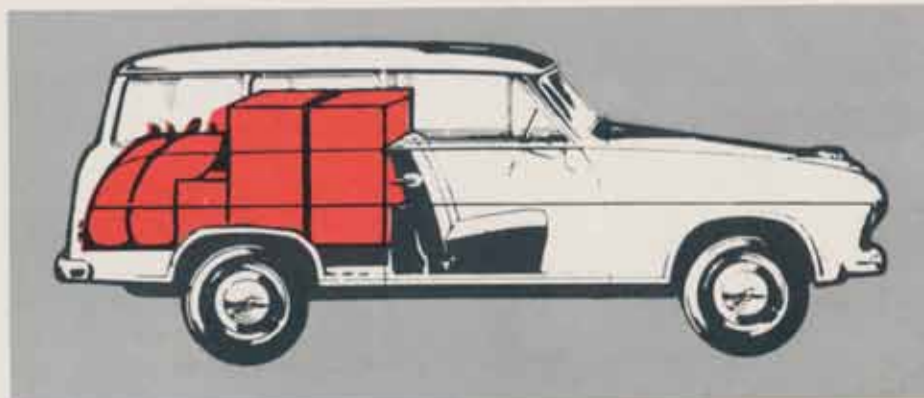
On all series there is available at extra cost optional accessories including bumper overrides...radio...windshield washers...and other utility items.



**THE STATION WAGON** For the family or businessman who wants a double purpose car the GOLIATH Station Wagon is the perfect answer... one minute an elegant family car... the next, a roomy, practical automotive transport.

Two wide side doors, plus a specially designed large rear door, makes the car easy to load with everything from a dozen kids to a deep freeze, a family trunk and a TV set.

The GOLIATH Station Wagon is powered by the GOLIATH 46 H.P., 4 cylinder water cooled airplane type engine and is equipped with extra large 4-wheel hydraulic brakes and will comfortably cruise at 75 miles per hour. The special shockproof floor covering is water-resistant and easily cleaned. For a large family or for someone who needs a second car (sometimes used for business), the GOLIATH Station Wagon is the perfect answer.



**THE SEDAN** is the perfect car for the American family. It comfortably carries 4 adults... it has a 4 cylinder engine capable of generating 46 H.P. It has a comfortable cruising speed of 75 miles per hour... It has wonderfully safe extra large 4 wheel hydraulic brakes... 89" wheel base and a storage compartment adequate to carry the entire family's luggage... and in addition, the Goliath Hansa Sedan has the look of the truly continental car.

**THE TIGER** is the "sport" in the Goliath line. Introduced last year the Goliath Tiger, with its 1100 c.c. engine, gives the highest performance of any standard production model in its class. As a result it has climbed to the top in popularity with imported sports coupe fans everywhere. Its powerful 63 H.P., 4 cylinder twin-carburetor "Tiger" engine gives it high speed. Its extra large 4-wheel hydraulic brakes and front wheel drive gives especially safe roadability plus the ability to climb like a mountain goat or slip easily and silently through heavy city traffic... or when called upon, really "run" on the open road.

