



# Newag DHG 240B Locomotive



## Product Detail:

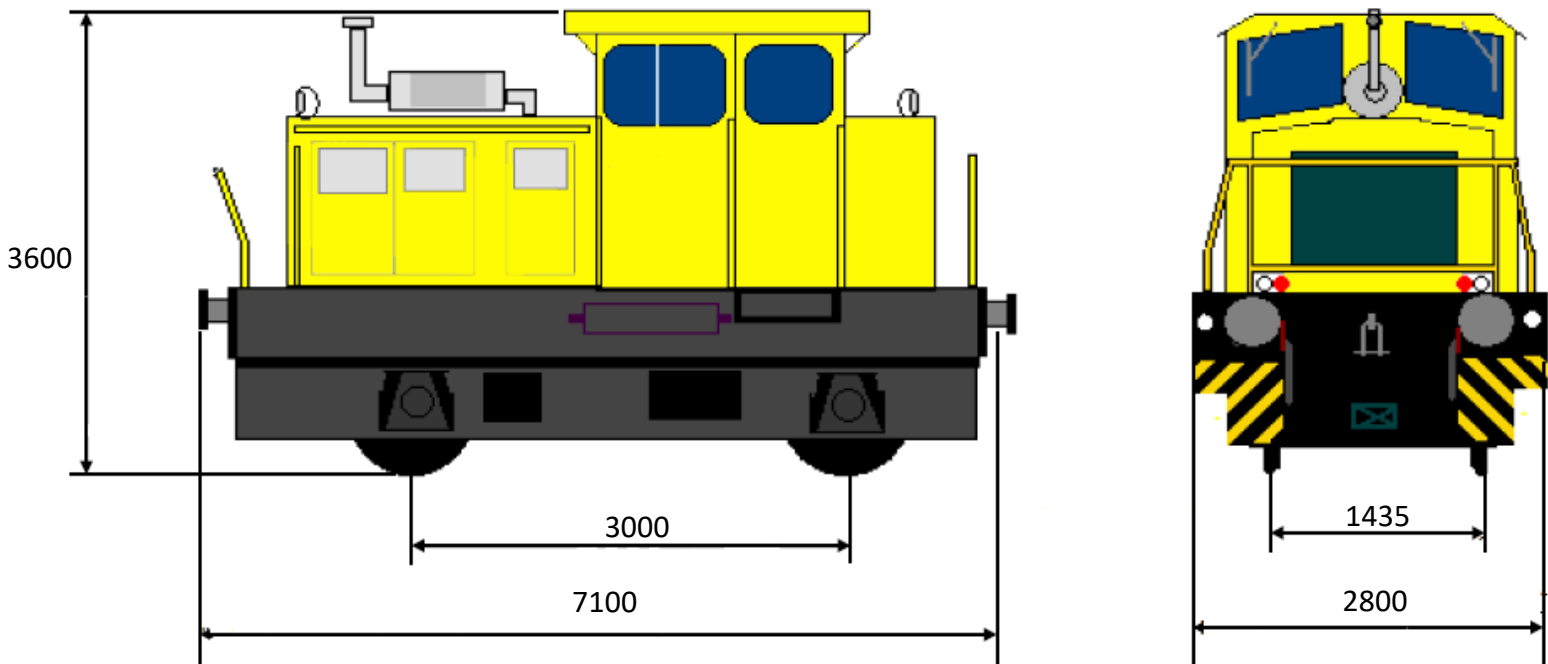
The Newag DHG 240 uses the Henschel 6R 1416A-diesel engine rated 240 horsepower. It is equipped with VOITH-fluid drive RS 16Z hydrodynamic fully automatic power transmission. It is also capable of hauling a full load of 190 tonnes at 3% gradient approx. 9 - 10 km/h, has a maximum speed of 30 kph and a maximum tractive effort of 9240kgf.

## Machine Specification:

Starting Tractive Power	9240 Kgf
Constant Tractive Power	8670 Kgf
Engine	Turbo Six Cylinder Diesel / Deutz V8
Axle Load	15 Tonnes
Maximum Load	200 Tonnes
Speed (Maximum)	30 Kph
Diesel	420 litres
Cooling Water	130 litres
Manufacturer	Henschel Itc.
Transmission	Hydrodynamic Power
Wheel Gauge	1435 mm
Min Curve Radius	50m

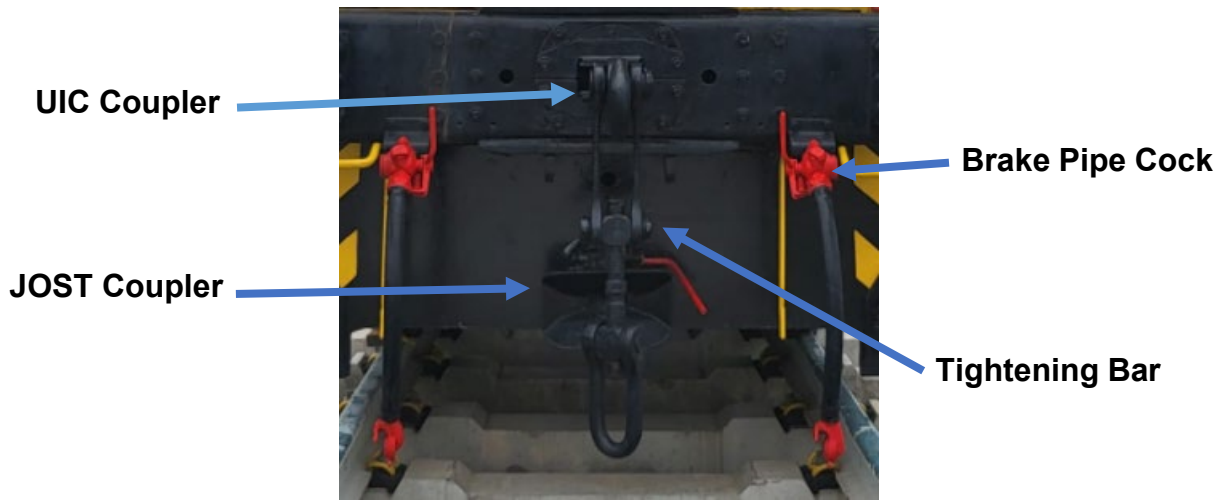


**Physical Dimensions:**



**Coupler Detail:**

The Coupler is a connecting device that connects the Locomotive or Wagon to other Railway vehicles. It is usually found at both ends of the Railway vehicle. UIC 60 Couplers are used for Trains.





## Locomotive Brake System:

The Newag Locomotives used during movement, are fitted with KNORR UIC air brakes. The type of brakes can be divided as follow;

### Direct Brake:

The Direct Brake is an independent brake for Locomotive Only. Application and release of the brake is controlled by driver's direct air brake valves, located on the driving console. The braking force produced by compressed air act on a well balanced and adjustable brake linkage and the brake blocks, with effect on each wheel.

### Automatic or Compressed Air Brake:

The Automatic Air Brake is used on Works Train consists, to haul Wagons. The airflow is made continuously throughout the Wagon and Locomotive via the flexible hose between these vehicles, which is connected to the Brake Pipe. On each Wagon there is a distributor with an Auxiliary Reservoir which have to maintain a pressure of „5“ bar to release the brakes of the consist and when the Brake Pipe pressure drops less than „5“ bar, the brakes of the consist will start to apply. The auto brake valve controls the flow of air into and out of the brake pipe which in turn control the brake on each wagon via the Auto Brake Lever in the driving console.

### Parking Brake:

Parking Brake is a mechanical handbrake that is applied by turning the Handbrake Wheel in a clockwise direction. The handbrake works on direct mechanical brake block applied by manual application of the Parking brake. To release the brake, turn the Handbrake Wheel anti-clockwise.