



MRCE ER20 Diesel Locomotive

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1 History

1.1 ER20 Locomotive

As a representative of the EuroRunner family, this diesel-electric locomotive is equally suited for freight and for passenger transport. The most modern diesel engine technology and innovative sound insulation make the ER 20 one of the quietest and lowest emission diesel locomotives in Europe. The three-phase power transmission enables the realisation of the train's electrical energy supply, as well as providing outstanding efficiency across the entire speed and tractive force range.

1.2 Technical Specification

Manufacturer	Siemens
Type	Diesel-Electric
Construction	2003 - 2004
Wheel Arrangement	Bo-Bo
Length	19.275m
Weight	80t
Power Output	235kN
Max Speed	140 km/h

2 Rolling Stock

2.1 ER20 in MRCE Black

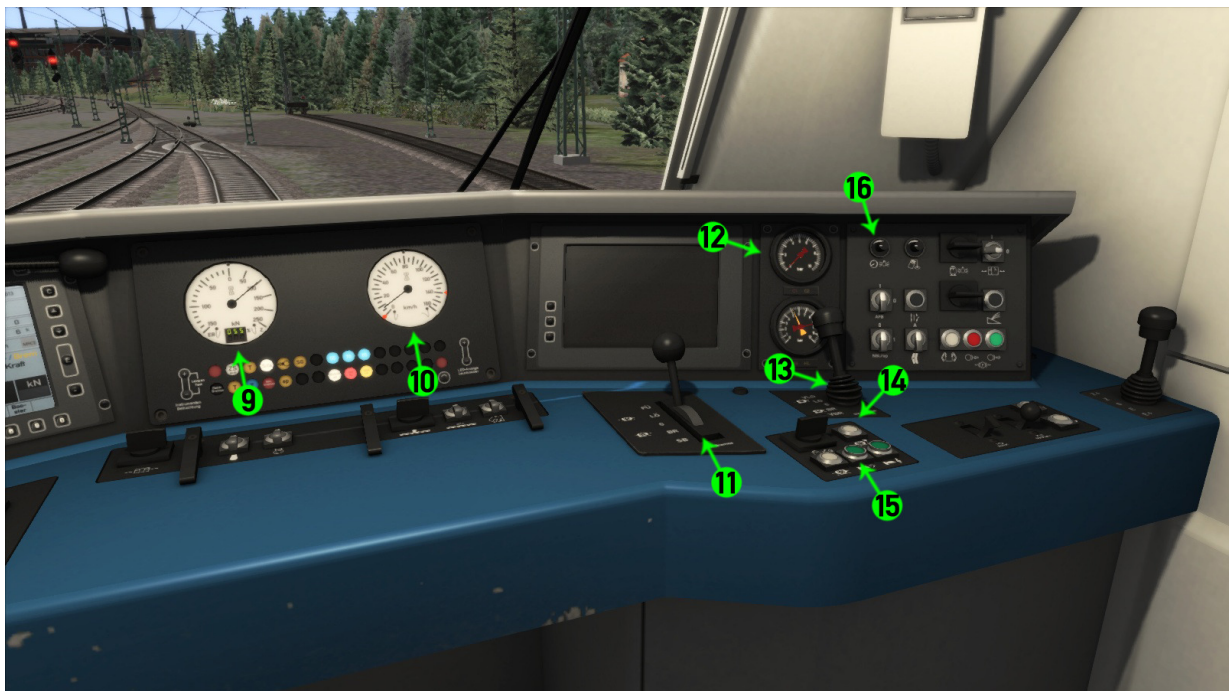


2.2 Zags 122



3 Cab Controls

3.1 Controls



1. PZB Controls
2. PZB Controls

3. PZB Controls
4. AFB Control
5. Throttle & Dynamic Brake
6. Reverser
7. On/Off Key
8. Cab Light
9. Tractive Effort Dial
10. Speedometer
11. Train Brake
12. Brake Gauges
13. Loco Brake
14. Sander
15. Horn

3.2 SiFa

The ER20 has a SiFa system. When you enter the cab the SiFa is deactivated by default. To switch on the vigilance system use the switch (3) which is positioned to the left of the SiFa warning light. Press down the switch and press key Q to confirm the initial SiFa test alert. The SiFa can only be switched on or off when the locomotive is standing still.

When SiFa is activated and you are driving, you will get a SiFa alert approx. every 30 seconds. Acknowledge the alert by pressing "Q", number pad "Enter" or Joypad "A". If you do not respond within 4 seconds you will get a second alert and an additional two seconds to respond. If after this you fail to respond, the SiFa will initiate a normal brake application. To continue driving, acknowledge the alert. The brakes will release automatically. To bring back the traction power you need to set the throttle to zero, to unlock it, and then you can drive further.

4 Scenarios

4.1 Haul in Good Time

A tutorial on getting to grips with the MRCE ER20.

- Rating: Easy
- Duration: 15 minutes
- Scenario Type: Standard

4.2 Freight to Unterlüß

Starting at Hannover Nordstadt you must attach several individual Zags 122 wagons to your consist, before hauling them to Unterlüß where the scenario ends.

- Rating: Medium
- Duration: 60 minutes
- Scenario Type: Standard

4.3 Helping Hands

Your task is the delivery of a freight train from Unterlüß to Hannover, but due to the bad weather expect some changes to your plans...

- Rating: Hard
- Duration: 60 minutes
- Scenario Type: Standard and Career

5 Credits

The team at RailSimulator.com would like to thank the following:

First Great Western - St. Philips Marsh Depot
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