

## Technical Information

**TCA<sub>PRO</sub> HD** **NG**





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# INTRODUCTION

**The TCA PRO HD NG is the definitive solution for professionals who value precision in the balancing of turbos for light and heavy vehicles and the possibility of measuring compressor efficiency.**

This new generation has a more intuitive interface focused on process optimization, with automatic test speed adjustment based on the compressor diameter and an integrated polar graph with detailed cutting angle information.

Prepared for the future, the TCA PRO HD NG is integrated with the TurboClinic 4.0 platform for remote monitoring.



## FEATURES

- \\ Balancing of the turbochargers from light and heavy vehicles;
- \\ Measures the efficiency of the compressor wheel;
- \\ Adjusts the balancing speed test automatically, depending on the diameter of the compressor wheel;
- \\ Autotest;
- \\ Polar graph with precise cutting angle indication;
- \\ Test speeds up to 300.000 RPM;
- \\ Accuracy of 0,005G;
- \\ Oil temperature automatically controlled;
- \\ Large and solid workbench;
- \\ Intuitive interface;
- \\ Oil tank: 7 liters;
- \\ 21.5" touchscreens;
- \\ Generate reports;
- \\ RJ45 LAN connection;



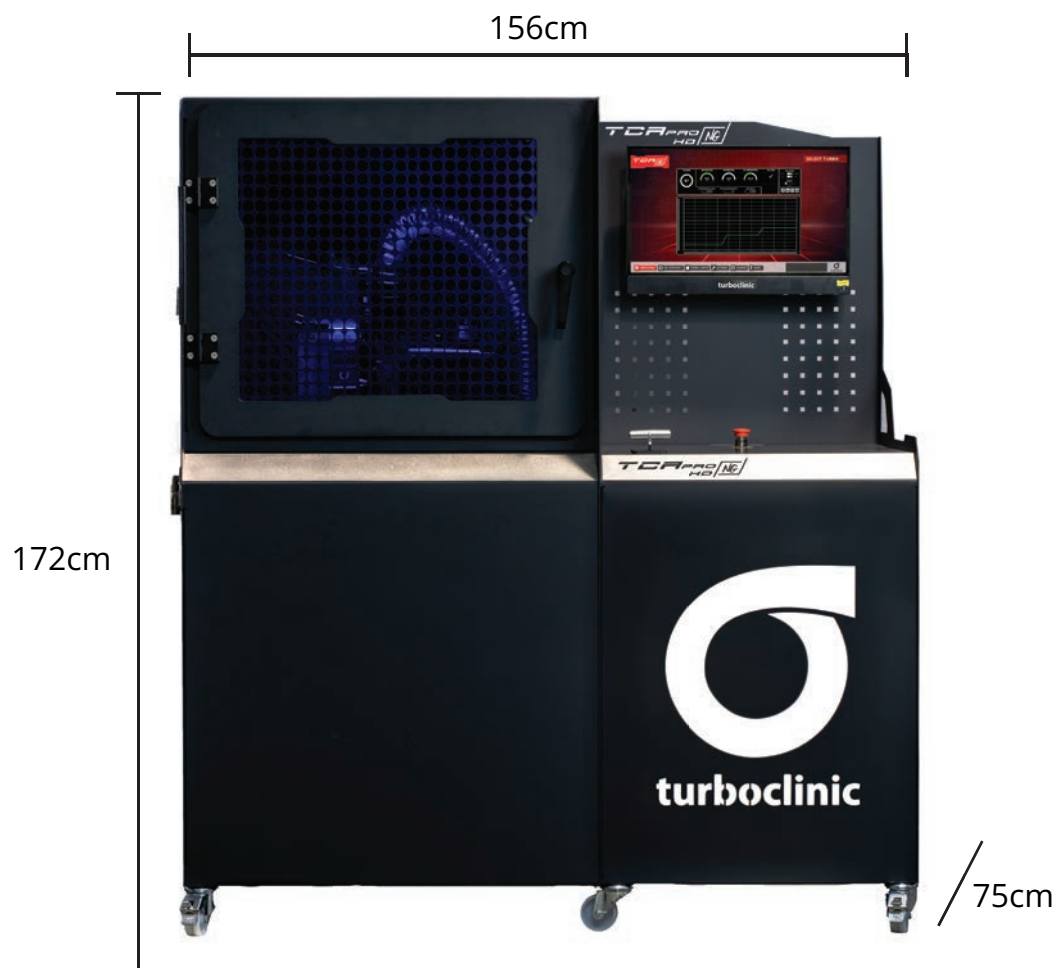


## **DIMENSIONS**

\\ Length: 156cm

\\ Width: 75cm

\\ Height: 172cm





## **TECHNICAL REQUIREMENTS**

- \\ Compressed Air Network (between 8 and 10 bar)
- \\ 300 liters compressed air tank (minimum) linked directly to the machine by 1.5" hose (maximum distance recommended - 2m)
- \\ Power Supply 230V (50/60Hz) - 1750W;
- \\ RJ45 LAN Connection - Internet - to get the latest updates and remote support
- \\ Recommended Oil - 5W30 (the equipment requires the use of a thin oil);
- \\ Turboclinic recommends the use of a UPS (uninterruptible power supply 2500VA)

## **MAINTENANCE**

- \\ Check the condition of the oil
- \\ Change oil and filter at least once a year

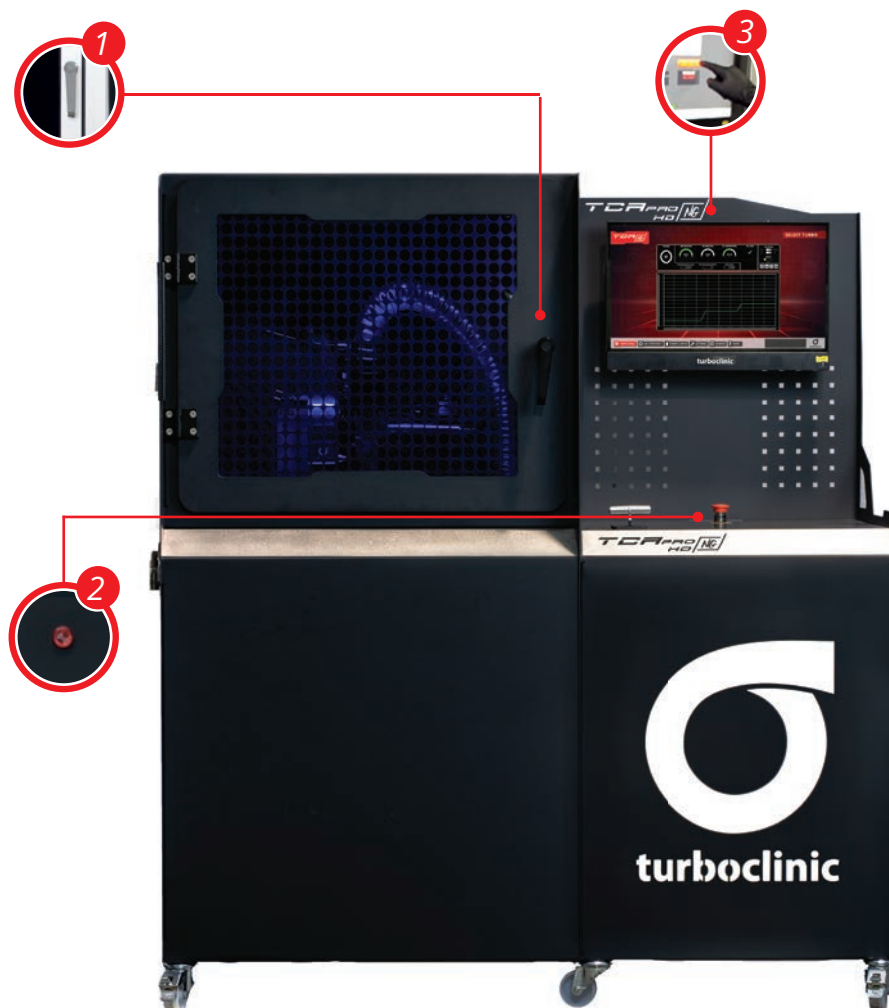
# DIAGRAM

## *TCA PRO HD NG \\ Front*

- 1\ Door Lock
- 2\ Emergency Stop button  
(if activated, an informative POP-UP  
appears on the screen)

## *TCA PRO HD NG \\ Top*

- 3\ 1 Touch Screens 21.5"

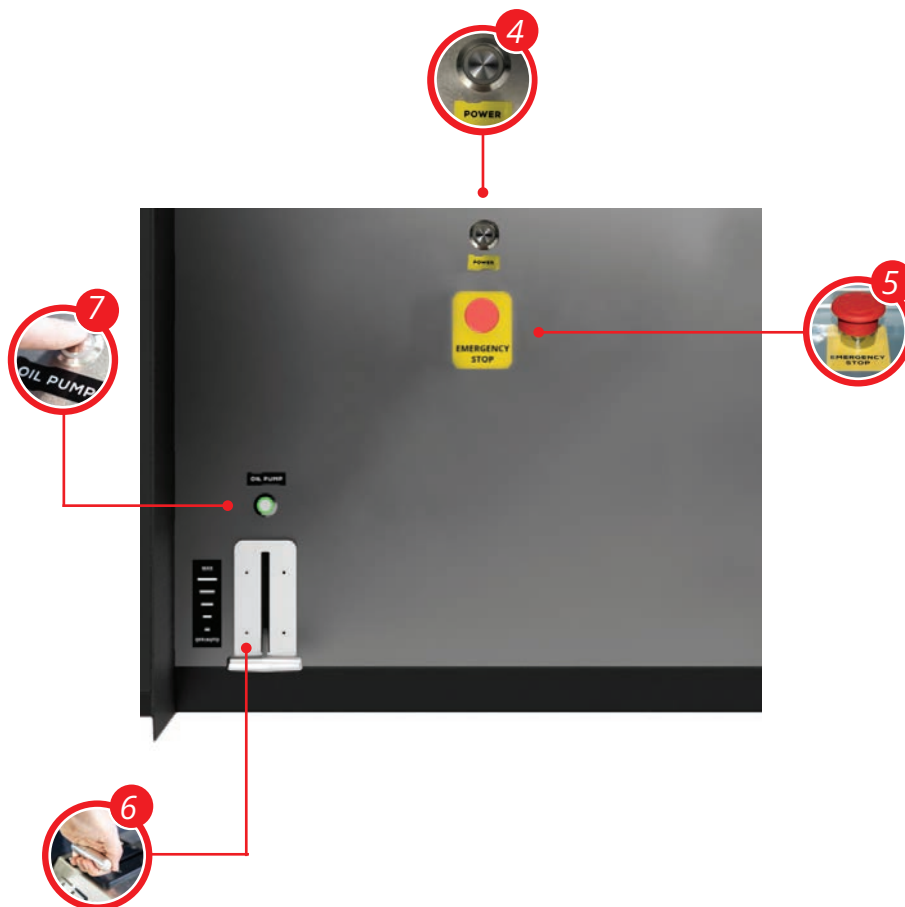


OFF/AUTO

## DIAGRAMA

*TCA PRO HD NG\\ Front - bench top*

- 4\ Power Buttons
- 5\ Emergency Stop button
- 6\ Balancing Air Control Valve
- 7\ Oil Pump Button





## DIAGRAM

### *TCA PRO HD NG\\ Right side*

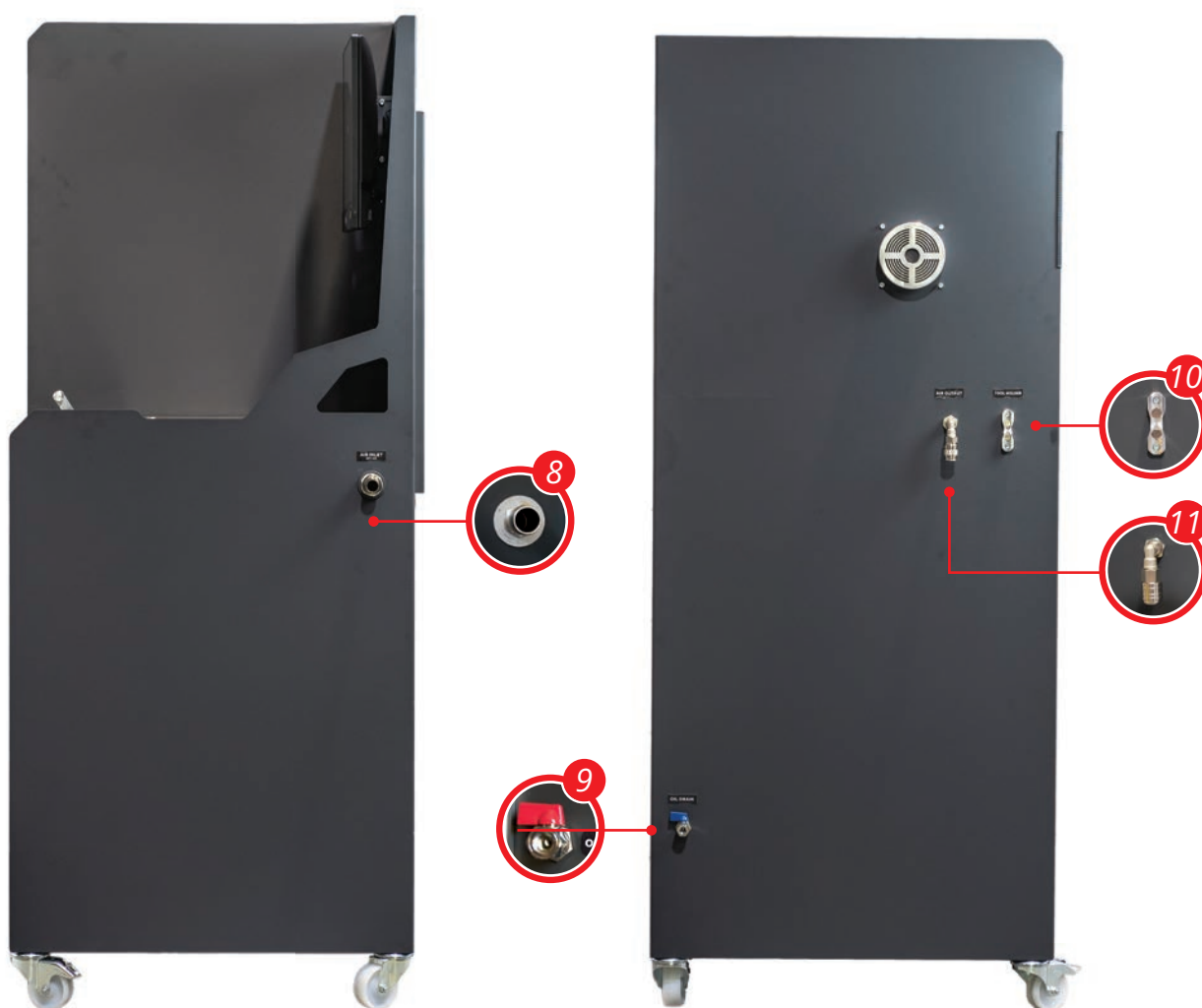
8\\ Air Inlet (1,5") - Dry Air (to balance the cartridge)

### *TCA PRO HD NG\\ Left side*

9\\ Oil drain

10\\ Support for pneumatic precision tool

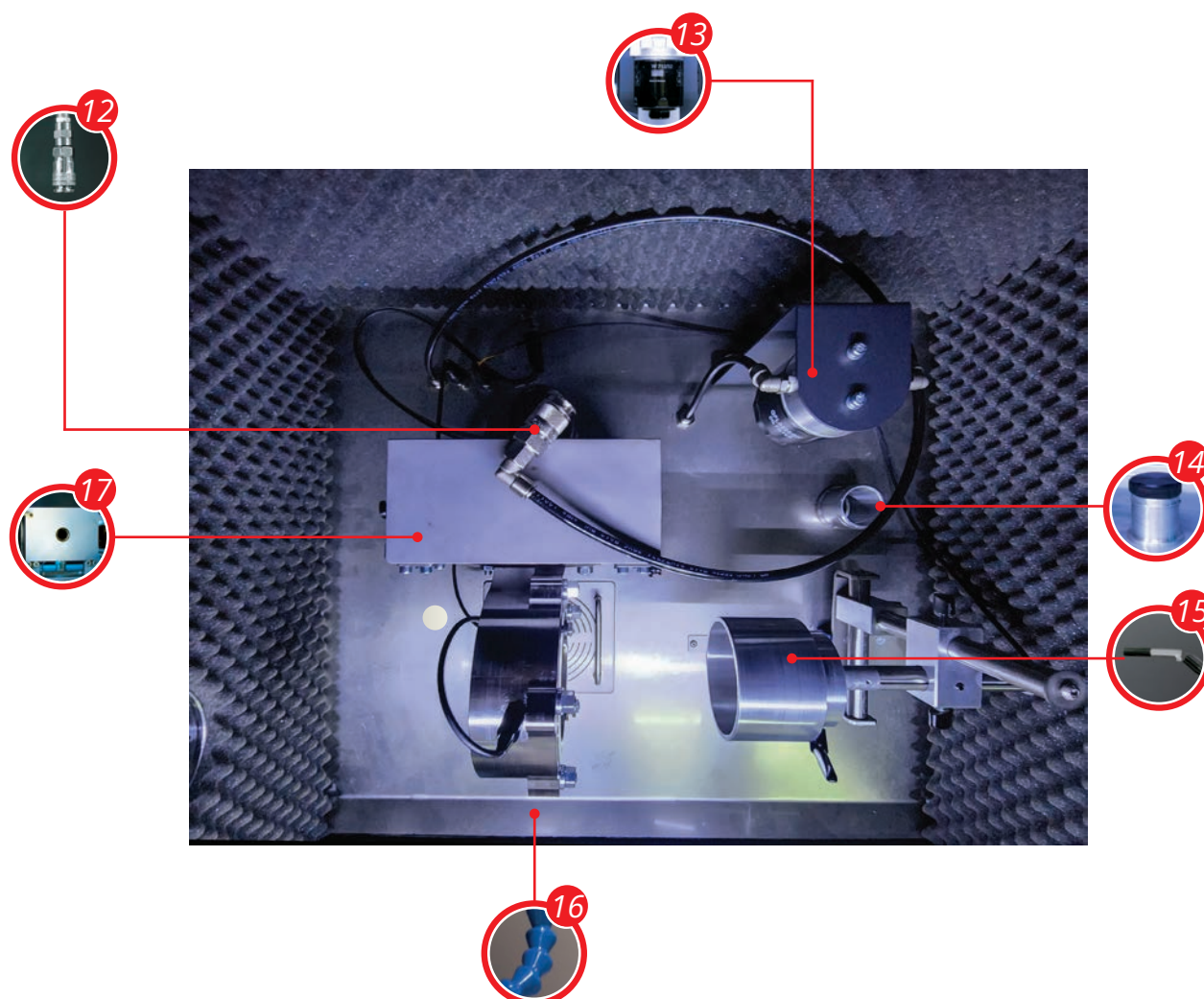
11\\ Air Outlet for pneumatic precision tool



# DIAGRAMA

## *TCA PRO HD NG\\ Interior*

- 12\ Oil Supply
- 13\ Oil Filter
- 14\ Air input for Compressor Wheel Efficiency Test
- 15\ Rotation Sensor
- 16\ Oil Return
- 17\ Turbo support base



# DIAGRAMA

## *TCA PRO HD NG \ Back*

18\ Power socket 230V- 50/60Hz

19\ Internet Connection\* (RJ45 LAN plug)

\* Not included



## **TCA PRO HD NG TESTS**

- \\ Balancing of Turbochargers
- \\ Measurement of the Efficiency of the Compressor Wheel

## **ACCESSORIES**

- \\ Adapters for the TurboClinic universal base

| Nozzles



| Plates





[www.turboclinic.com](http://www.turboclinic.com)

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