

## MORRFlate MF-PSIPRO-10-L

# MORRFlate TenSix PSI Pro Portable Air Compressor

## USER MANUAL

### 1. Introduction and Overview

The MORRFlate TenSix PSI Pro is a high-performance 12V portable dual cylinder air compressor designed for efficient tire inflation and deflation, particularly suited for off-road and multi-tire applications. Featuring advanced PSI Pro Technology, this compressor allows you to set your desired tire pressure and let the unit automatically handle the inflation process, providing a hands-free experience.

With an impressive 10.6 CFM (Cubic Feet per Minute) at 0 PSI, the TenSix PSI Pro delivers rapid inflation, significantly reducing air-up times. It is engineered with robust components for enhanced durability and longevity, ensuring reliable performance in demanding conditions.



Image: The MORRFlate TenSix PSI Pro portable air compressor shown with its included carrying bag.

## 2. Safety Information

Always prioritize safety when operating the air compressor. Read and understand all instructions before use. Failure to follow safety guidelines can result in injury or damage to the equipment.

- **Electrical Connection:** Ensure the compressor is connected to a compatible 12V power source with appropriate amperage capacity. Use the provided 6ft electrical cord with alligator clips for secure connection to a vehicle battery.
- **Heat Generation:** The compressor will generate heat during operation. Avoid touching hot surfaces. It is recommended to wear the included MORRFlate Groovy Gloves (size large) when handling the unit after prolonged use.
- **Pressure Release:** The unit includes a purge valve to release internal pressures when operation is complete. Always release pressure before storing the compressor.
- **Ventilation:** Operate the compressor in a well-ventilated area to prevent overheating.
- **Children and Pets:** Keep children and pets away from the operating compressor.

### 3. Package Contents

Verify that all items are present in your package:

- MORRFlate TenSix PSI Pro Air Compressor
- Durable Carrying Bag with Accessory Pockets
- MORRFlate Groovy Nylon Gloves (Size Large)
- 6ft Electrical Cord with Alligator Clips
- 4ft Stainless Steel Hose (attached to compressor)

### 4. Setup

Follow these steps to set up your MORRFlate TenSix PSI Pro compressor:

1. Place the compressor on a stable, flat surface near the tires to be inflated.
2. Connect the 6ft electrical cord with alligator clips to your vehicle's 12V battery terminals. Ensure correct polarity (red to positive, black to negative).
3. Attach the 4ft stainless steel hose from the compressor to your tire inflation system (e.g., a single tire chuck or a MORRFlate 4-tire inflation/deflation kit). The compressor features universal push-to-connect couplers for easy attachment.

\*ADVANCED GEN2 UPGRADES  
FOR ENHANCED DURABILITY  
AND LONGEVITY.

SET YOUR PRESSURE™

ALUMINUM CYLINDERS  
AND HEAT SYNCS

4FT STAINLESS  
STEEL HOSE



Image: Key components of the TenSix PSI Pro compressor, including power cables and the stainless steel hose.

## 5. Operating Instructions

The TenSix PSI Pro is designed for ease of use with its automated PSI Pro Technology.

1. **Power On:** Press the power button on the control panel to turn on the compressor. The digital display will illuminate.
2. **Set Desired Pressure:** Use the '+' and '-' buttons on the control panel to adjust the desired PSI (Pounds per Square Inch). You can also press the 'U' button to cycle through different pressure units (kPa, Bar, kg/cm<sup>2</sup>).
3. **Start Inflation:** Once your desired pressure is set, press the 'Go' or 'Start/Run' button. The compressor will begin inflating the tires.
4. **Automatic Shut-off:** The compressor will automatically shut off once the set pressure is reached across all connected tires (when used with a multi-tire inflation kit). This allows for a hands-free operation.
5. **Multi-Tire Inflation:** For optimal efficiency, the TenSix PSI Pro is designed to be used with MORRFlate's 4-tire

inflation and deflation kits. This allows simultaneous inflation of up to four tires, significantly reducing overall air-up time. For example, 35" tires can be inflated from 10 to 40 PSI in approximately 5 minutes with a 4-tire hose kit.



Image: Digital control panel for setting pressure and operating the compressor.

Video: Demonstrates setting the PSI and the automatic shut-off feature of the TenSix PSI Pro compressor, highlighting its hands-free operation.

### Duty Cycle and Performance

The TenSix PSI Pro features an 80% duty cycle at 0 PSI, allowing for 45 minutes of continuous operation followed by a 10-minute rest period. This is sufficient for airing up 6-8 vehicles. The 10.6 CFM performance ensures quick inflation times.



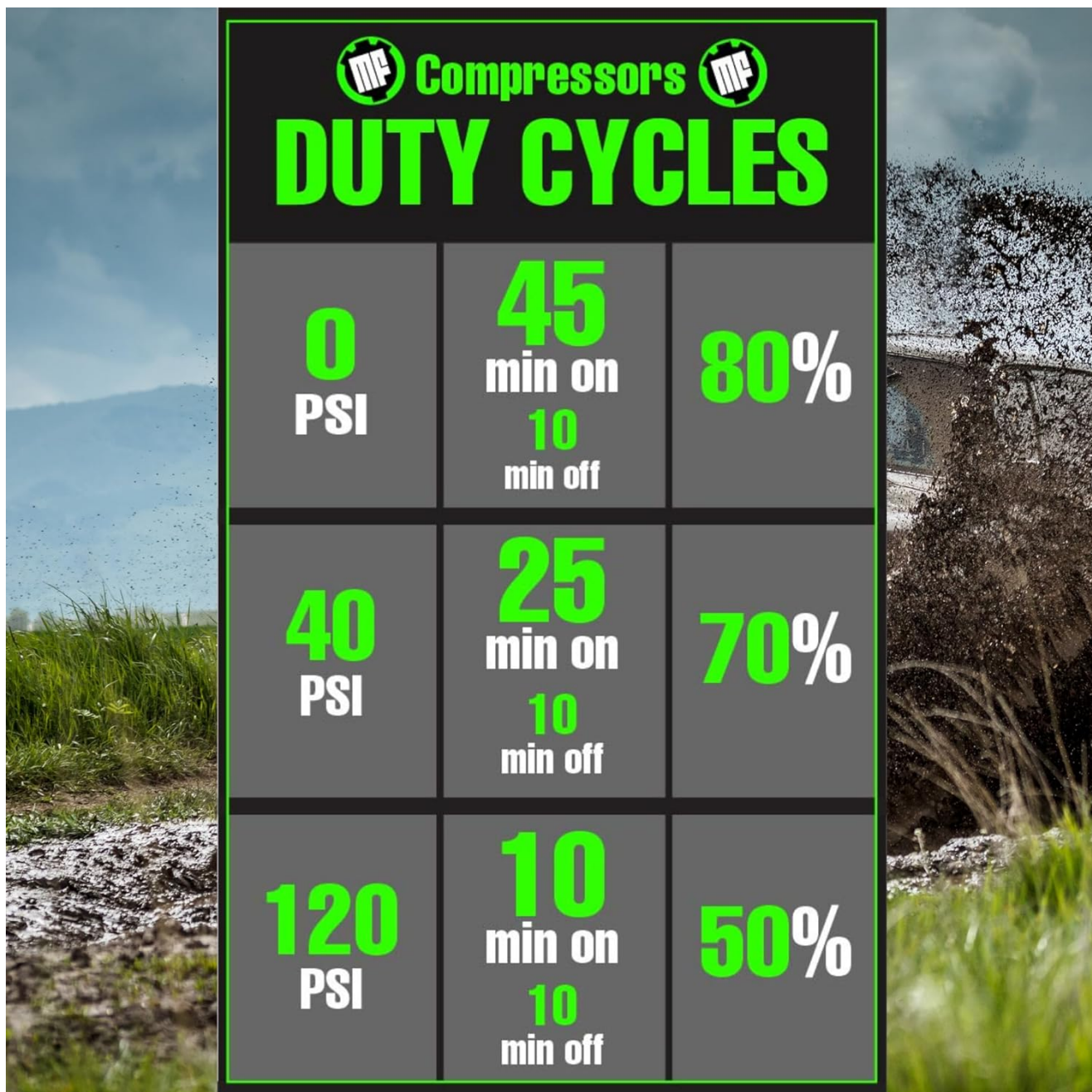


Image: Duty cycle specifications for MORRPlate compressors.

## 6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your MORRPlate TenSix PSI Pro compressor.

- **Heat Dissipation:** The compressor is equipped with upgraded aluminum heat sinks and internal aluminum cylinders, along with thermoconductive paste, to improve heat dissipation. Allow the unit to cool down after extended use.
- **Piston Rings:** New piston rings are installed for enhanced durability and wear resistance.
- **Purge Valve:** Utilize the purge valve after each use to release any residual pressure within the compressor, preventing unnecessary strain on internal components during storage.
- **Cleaning:** The compressor features cleanable and removable dust caps. If operating in dusty environments, periodically remove and clean these caps to ensure efficient operation.

Video: Explains the unique features of MORRFlate compressors, including the stainless steel braided hose, aluminum heat sinks, and purge valves, all contributing to product longevity and performance.

## 7. Troubleshooting

If you encounter issues with your MORRFlate TenSix PSI Pro, consider the following common solutions:

- **Compressor Stops During Use:** This may be due to the thermal cutoff switch activating to prevent overheating. Allow the compressor to cool down for at least 10 minutes before resuming operation. Ensure adequate ventilation.
- **Inaccurate Pressure Readings:** Verify that the hose connections are secure and free of leaks. Ensure the digital display is set to the correct pressure unit (PSI, kPa, or Bar).
- **Slow Inflation:** Check the power connection to ensure it is secure and providing sufficient amperage. Ensure the air filter/dust caps are clean and not obstructed.
- **Compressor Not Turning On:** Confirm that the 12V power source is active and the alligator clips are properly connected to the battery terminals. Check for any blown fuses in your vehicle's electrical system if applicable.

For persistent issues or further assistance, please contact MORRFlate customer support.

## 8. Specifications

Feature	Detail
Brand	MORRFlate
Model Name	TenSix Pro
Item Model Number	MF-PSIPRO-10-L
Voltage	12 Volts
Power Source	Battery Powered
Air Flow Capacity	10.6 Cubic Feet Per Minute (CFM)
Maximum Operating Pressure	150 PSI
Noise Level	75 dB
Product Dimensions	14"L x 7"W x 9"H
Item Weight	26 pounds
Hose Length	4 Feet (Stainless Steel)

Feature	Detail
Included Components	Compressor, Carrying bag, Groovy Gloves (Large), 6ft electrical cord with alligator clips, 4ft stainless steel hose
Special Features	Resized aluminum heat sinks, Stainless steel outlet hose, Purge valve, New piston rings, Internal aluminum cylinders

## 9. Warranty and Support

For warranty information, please refer to the documentation included with your product or visit the official MORRFlate website. MORRFlate is committed to providing high-quality products and customer satisfaction.

For technical support, troubleshooting assistance, or inquiries regarding your MORRFlate TenSix PSI Pro, please contact MORRFlate customer service through their official channels. They ensure every compressor undergoes a rigorous in-house QC process before shipment to guarantee product quality and reliability.