

FADINI Hindi 880 Evo 880P5L

Fadini Hindi 880 Evo Hydraulic Piston User Manual

Model: Hindi 880 Evo (880P5L)

Brand: FADINI

1. PRODUCT OVERVIEW

The Fadini Hindi 880 Evo is a robust hydraulic piston designed for automating swing gates. This model features a 280 mm stroke and is suitable for both residential and industrial installations. It is engineered to withstand various weather conditions and is CE certified, ensuring compliance with European safety standards. The Hindi 880 Evo replaces previous models such as the Hongi 83 and Hindi 880, offering enhanced performance and reliability.



Figure 1: Fadini Hindi 880 Evo Hydraulic Piston. A grey hydraulic piston unit, designed for automating swing gates, shown from an angled perspective.

Key features include a customizable locking mechanism and an opening time of approximately 17 seconds for gates over 2 meters in width. It is designed for gates up to a maximum width of 2.8 meters.

2. SAFETY INFORMATION

WARNING: Improper installation or use can lead to serious injury or property damage. Read all instructions carefully before installation and operation.

- Installation should only be performed by qualified personnel in compliance with local electrical and safety regulations.
- Ensure the power supply is disconnected before performing any installation, maintenance, or repair work.

- Keep children and pets away from the gate area during operation.
- Do not attempt to repair the hydraulic piston yourself. Contact a qualified technician for service.
- Regularly inspect the gate and its components for signs of wear or damage.

3. PACKAGE CONTENTS

Please verify that all components are present and undamaged before proceeding with installation:

- 1 x Fadini Hindi 880 Evo Hydraulic Piston
- Mounting Brackets and Hardware (screws, pins, etc. - specific items may vary)
- User Manual (this document)

If any items are missing or damaged, please contact your supplier immediately.

4. INSTALLATION AND SETUP

Professional installation is highly recommended for the Fadini Hindi 880 Evo to ensure optimal performance and safety. Refer to the detailed technical diagrams and specifications provided for precise measurements and mounting instructions.



Pistone oleodinamico per cancelli a battente ad uso residenziale e collettivo.

• Affidabile

tecnologia oleodinamica per un movimento sicuro e silenzioso. Altissima qualità di tutti i suoi componenti interni. Adatto per installazioni ad uso residenziale ed industriale.

• Qualità

gli elementi costruttivi non temono né il tempo né tanto meno le intemperie. Attacco sull'anta con testa sferica registrabile.

• Sicuro

regolazione della forza di spinta con le valvole di massima pressione.

• Innovativo: un unico modello

il blocco idraulico EVO permette di impostare il tipo di blocco idraulico desiderato in base all'esigenza di installazione: N reversibile sempre libero / A blocco idraulico in apertura / B blocco idraulico in chiusura / BB blocco idraulico bidirezionale. Frenatura: solo in apertura, solo in chiusura, in apertura e in chiusura, oppure senza il freno idraulico.

• Facile

sblocco immediato con chiave cifrata personalizzata.

• Testato e certificato

marcatura C con prove di tipo ITT PDC N. 2392-2008.



Attacco anteriore con testa snodata regolabile



Cassetto di copertura scorrevole per lo sblocco e la regolazione idraulica



Particolare cuffia di copertura posteriore



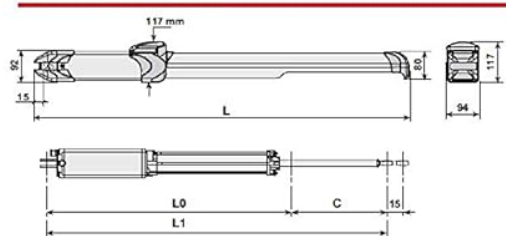
Particolare di installazione sull'anta

DATI TECNICI

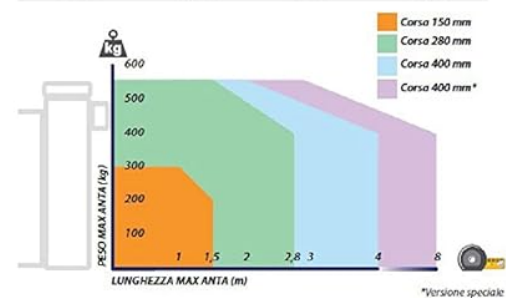
Corsa dello stelo	150 mm	280 mm	400 mm
Tensione di alimentazione	230 Vac- 50 Hz		
Potenza assorbita	250 W		
Potenza resa	180 W		
Corrente assorbita	1,2 A		
Portata pompa idraulica	1,4 l/min [P5]	1,4 l/min [P5] 0,85 l/min [P3]	
Diametro stelo	20 mm		
Velocità lineare apertura	~ 15 mm/s	~ 17 mm/s [P5] ~ 11 mm/s [P3]	
Velocità lineare chiusura	~ 14 mm/s	~ 14 mm/s [P5] ~ 9 mm/s [P3]	
Forza apertura	0 ÷ 4.000 N	0 ÷ 4.200 N [P5] 0 ÷ 4.700 N [P3]	
Forza chiusura	0 ÷ 5.600 N	0 ÷ 5.400 N [P5] 0 ÷ 6.300 N [P3]	0 ÷ 5.200 N [P5] 0 ÷ 6.300 N [P3]
Temperatura di esercizio	-25 °C +80 °C (*)		
Tipo di olio	Oil FADINI - cod. 708L		
Grado di protezione	IP 67		
Frequenza utilizzo	molto intensivo		
Peso	9,5 kg	11 kg	14 kg

(*) -40 °C con accessori optional specifici, pag. 18.

DIMENSIONI D'INGOMBRO



C (corsa effettiva)	L	L0	L1
145	830	605	750
275	1.094	732	1.007
395	1.374	885	1.280



La struttura, la forma (pannello chiuso), l'altezza del cancello e la presenza di forte vento possono ridurre i valori indicati. Verificare sempre l'integrità della struttura del cancello.

Figure 2: Technical Data and Dimensions. A detailed technical sheet showing various specifications, including stroke length, power, current, and a dimensional drawing of the hydraulic piston with measurements.

4.1 Pre-Installation Checks

- Ensure the gate structure is sound and capable of supporting the motor's operation.

- Verify the gate's maximum width does not exceed 2.8 meters.
- For gates exceeding 2 meters, the purchase of an electric lock is recommended for enhanced security and stability.
- Confirm the availability of appropriate electrical supply at the installation site.

4.2 Mounting the Piston

Follow the dimensional drawings in Figure 2 for precise mounting point measurements. Securely attach the piston to the gate post and gate leaf using the provided mounting hardware. Ensure the piston is level and aligned correctly to allow for smooth gate movement.

4.3 Electrical Connections

Connect the motor to the control unit and power supply according to the wiring diagram provided in the full installation manual (not included in this general overview). All electrical connections must be made by a certified electrician.

4.4 Initial Configuration

The Hindi 880 Evo is available in "normal" or "slow" speed versions. Ensure the correct model has been supplied for your specific needs. The control unit will require programming to set opening/closing limits and any desired operational parameters, including the customizable blocking feature.

5. OPERATION

Once installed and configured, the Fadini Hindi 880 Evo operates automatically via its control unit, typically activated by a remote control, push button, or other access control systems.

- **Opening:** Activate the system to initiate the gate opening cycle. The gate will open smoothly to its programmed limit.
- **Closing:** Activate the system again to close the gate. The gate will close to its programmed limit, engaging the customizable blocking mechanism.
- **Emergency Release:** In case of power failure or malfunction, locate and use the manual release mechanism (refer to the full installation manual for its specific location and operation) to operate the gate manually.

Observe the gate's movement during the first few operations to ensure it functions correctly and without obstruction.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and reliable operation of your Fadini Hindi 880 Evo hydraulic piston. While the unit is designed to be robust and weather-resistant, periodic checks are recommended.

- **Annual Inspection:** Have a qualified technician inspect the hydraulic system annually. This includes checking hydraulic fluid levels, inspecting for leaks, and assessing the condition of seals and hoses.
- **Mechanical Check:** Periodically check all mounting bolts and connections to ensure they are tight and secure. Lubricate moving parts as recommended by the manufacturer (refer to the full manual).
- **Cleanliness:** Keep the piston body and surrounding area clean from debris, dirt, and vegetation that could impede movement or cause damage.
- **Safety Devices:** Test any installed safety devices (e.g., photocells, safety edges) regularly to ensure they are functioning correctly.

7. TROUBLESHOOTING

If you encounter issues with your Fadini Hindi 880 Evo, consult the following basic troubleshooting guide. For complex problems, always contact a qualified technician.

Problem	Possible Cause	Solution
Gate does not respond to command.	No power, remote control battery dead, safety device activated.	Check power supply. Replace remote battery. Check safety sensors for obstructions.
Gate opens/closes partially.	Obstruction, incorrect limit settings, low hydraulic fluid.	Remove obstructions. Consult technician to re-adjust limits or check fluid.
Unusual noises during operation.	Worn components, low hydraulic fluid, misalignment.	Contact a qualified technician for inspection and repair.

8. SPECIFICATIONS

The following are key technical specifications for the Fadini Hindi 880 Evo hydraulic piston:

- **Manufacturer:** Meccanica Fadini
- **Model:** Hindi 880 Evo (880P5L)
- **Stroke Length:** 280 mm
- **Max Gate Width:** 2.8 meters
- **Approx. Opening Time:** 17 seconds (for gates > 2m)
- **Dimensions (L x W x H):** 88 x 30 x 23 cm
- **Weight:** 14 kg
- **Color:** Grey
- **Certification:** CE Certified
- **Batteries Required:** No

For detailed electrical specifications and performance curves, refer to the comprehensive technical documentation.





9. WARRANTY AND SUPPORT

The Fadini Hindi 880 Evo hydraulic piston is covered by a standard manufacturer's warranty against defects in materials and workmanship. Please retain your proof of purchase for warranty claims. For technical support, spare parts, or warranty inquiries, please contact your authorized Fadini dealer or the supplier from whom you purchased the product. You may also contact the seller directly for assistance:

MENFOR DI MENEGHELLI ANDREA

Phone: +39 335 6615845

Please have your product model and serial number ready when contacting support.

 <p>HINDI 880 SPRINT Oil hydraulic KIT operator for swinging gates up to 2.3 meters leaf</p> <p>CE</p>	<p>Fadini HINDI 880 SPRINT Oil-Hydraulic Gate Operator Installation and User Manual</p> <p>Comprehensive guide for the Fadini HINDI 880 SPRINT oil-hydraulic operator, detailing installation, operation, maintenance, and safety for swinging gates up to 2.3 meters per leaf. Includes technical specifications and compliance information.</p>
 <p>APROLI 280 Batt External oil hydraulic operator with articulated arm for swinging gates mounted on large pillars</p> <p>CE</p>	<p>Fadini Aproli 280 Batt Oil-Hydraulic Operator for Swinging Gates - Installation and User Manual</p> <p>Comprehensive installation and user manual for the Fadini Aproli 280 Batt external oil-hydraulic operator with articulated arm, designed for swinging gates mounted on large pillars. Covers safety, installation, components, wiring, adjustments, and maintenance.</p>
 <p>NUPI 66 KIT gateway drive for residential use with leaf up to 2.5 m</p> <p>CE</p>	<p>Fadini NUPI 66 Oil-Hydraulic Gate Operator Manual</p> <p>This manual provides comprehensive instructions for the installation, operation, and maintenance of the Fadini NUPI 66 oil-hydraulic operator, designed for swinging gates up to 2.5 meters per leaf.</p>
 <p>NUPI 66</p>	<p>Fadini NUPI 66: Automatic Hydraulic Swing Gate Operator</p> <p>Discover the Fadini NUPI 66, a robust and innovative oil-hydraulic operator for residential swing gates up to 2.5m per leaf. Features electronic thrust control, easy installation, and manual release.</p>