



The continuous research and development together with the experience achieved during the races have given birth to the Polini THOR engines for paramotors and ULM. Polini THOR engines distinguish themselves thanks to their advanced technical solutions with the objective of obtaining the best weight- power ratio and the highest quality 100% made in Italy granting comfortable driving conditions.

*La continua ricerca e lo sviluppo costante uniti all'esperienza nelle competizioni hanno dato vita ai motori Polini THOR per paramotori e ultraleggeri. I motori Polini THOR si distinguono per avere avanzate soluzioni tecniche con l'obiettivo di ottenere il miglior rapporto peso potenza e il massimo della qualità 100% made in Italy oltre a garantire un confort di guida unico.*

DELTA TRIKE



PARATRIKE



PARAMOTOR

ULM MOTO  
SAILPLANE

ULM THREE AXIS



# THOR 80 SUCCESSFUL ENGINE



- 928.000.040 - THOR 80 LC CP POLINI carburetor Ø21
- 928.000.041 - THOR 80 LC WALBRO WG8 carburetor

TECHNICAL LIST	POLINI THOR 80
Polini engine	2-stroke monocylinder
Cooling	Liquid cooled
Bore for stroke	50x44
Displacement	86 cm <sup>3</sup>
Power	17,2 HP at 10450R.P.M.
Cylinder	aluminum with Gilnasil coating
Compression ratio	14.01
Piston	Two chromium plated rings (mm 1)
Intake	Reed valve in the crankcase
Carburetor	CP Polini Ø21 - Walbro WG8
Air filter	Air box
Ignition	Electronic
Spark plug hood	5k Ω resistance
Fuel type	Lead free petrol with 2% synthetic oil
Gear reduction unit	Helical teeth in oil bath with 3,5 reduction ratio
Starter	Pull starter with self-winding rope.-FLASH STARTER
Clutch	Centrifugal (wet)
Muffler	Expansion with aluminum silencer
Engine weight	11,4 Kg
Propeller rotation	Clockwise

# THOR 130 FLY TOWARDS THE FUTURE



- 928.000.012 - Walbro Carburetor
- 928.000.011 - Ø24 Float carburetor

THOR 130	
Polini Engine	2 stroke monocylinder
Cooling	Forced air
Bore for stroke	54 x 54
Displacement	125 cm <sup>3</sup>
Power	21,5 HP at 8800 R.P.M.
Cylinder	Aluminum with Gilnasil coating
Compression ratio	12,5:1
Piston	Two chromium plated rings mm 1
Intake	Reed valve in the crankcase
Carburetor	Walbro / Polini float Ø24
Air filter	Air box
Ignition	Electronic with battery charger possible
Battery charger prearrangement	Output power 80 W at 5500 RPM
Spark plug hood	5k Ω resistance
Fuel type	Lead free petrol with 2% synthetic oil
Gear reduction unit	Helical teeth in oil bath with 3,43 reduction ratio
Starting	Pull start with self winding rope Flash Starter
Clutch	Centrifugal in oil bath
Muffler	Expansion with oval silencer
Engine weight	13,8 Kg
Propeller rotation	Clockwise

FOR FURTHER INFORMATION PLEASE VISIT OUR WEB SITE [WWW.POLINI.COM](http://WWW.POLINI.COM) → THOR  
 PER INFORMAZIONI PIÙ DETTAGLIATE CONSULTARE IL SITO [WWW.POLINI.COM](http://WWW.POLINI.COM) → THOR

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# THOR 190 LIGHT LIGHT AND POWERFULL



- 928.000.024
- 928.000.025 - Centrifugal clutch
- 928.000.026 - Electric starter
- 928.000.027 - Centrif. clutch + Electric starter

## THOR 190

Polini Engine	2 stroke monocylinder
Cooling	Forced air
Bore for stroke	64 x 60
Displacement	193 cm <sup>3</sup>
Power	27 HP a 7400 R.P.M.
Cylinder	Aluminum with Gilnisil coating
Compression ratio	11,4:1
Piston	Two chromium plated rings mm 1
Intake	Reed valve in the crankcase
Carburetor	Walbro WB 37
Air filter	Air box
Ignition	Electronic with inductive discharge
Battery charger	Output power 80 W at 5500 RPM (with electric starter only)
Spark plug hood	5k $\Omega$ resistance
Fuel type	Lead free petrol with 2% synthetic oil
Gear reduction unit	Belt transmission with 2,83 reduction ratio
Starter (Option electric starter)	Pull starter with self-winding rope.
Clutch	Dry centrifugal (for model with clutch only)
Muffler	Expansion with aluminum silencer
Engine weight	13,6 Kg - 14,4 Kg clutch - 14,9 Kg elect. starter - 17 kg clutch+el.start.
Propeller rotation	Counterclockwise

# THOR 200 EVO HIGHER AND HIGER



- 928.000.030 - Ø28 carburetor Pull start FLASH STARTER
- 928.000.031 - Ø28 carburetor ELECTRIC STARTER + FLASH STARTER
- 928.000.032 - Walbro WB37 carb. Pull start FLASH STARTER
- 928.000.033 - Walbro WB37 carb. ELECTRIC STARTER + FLASH STARTER

## THOR 200 EVO

Polini Engine	2 stroke monocylinder
Cooling	Forced air
Bore for stroke	64 x 60
Displacement	193 cm <sup>3</sup>
Power	Walbro carb. 28HP a 7400 RPM / Pwk carb. 29HP a 8000 RPM
Cylinder	Aluminum with Gilnisil coating
Compression ratio	11,4:1
Piston	Two chromium plated rings mm 1
Intake	Reed valve in the crankcase
Carburetor	Polini float Ø28 / Walbro WB37
Air filter	Air box
Ignition	Electronic and with battery charger possible
Battery charger prearrangement	Output power 80 W at 5500 RPM
Spark plug hood	5k $\Omega$ resistance
Fuel type	Lead free petrol with 2% synthetic oil
Gear reduction unit	Helical teeth in oil bath with 2,8 reduction ratio
Starting (Electric starter optional)	Pull start with self winding cable FLASH STARTER
Clutch	Centrifugal in oil bath
Muffler	Expansion with oval silencer
Engine weight	17,5 Kg (18,5 with electric starter)
Propeller rotation	Clockwise

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# THOR 250 THE BEST EVEN BETTER



- **928.000.014** - Ø28 Float carburetor  
Pull start FLASH STARTER
- **928.000.015** - Ø28 Float carburetor  
ELECTRIC STARTER + FLASH STARTER

THOR 250	
Polini Engine	2 stroke monocylinder
Cooling	Liquid cooled
Bore for stroke	72 x 60
Displacement	244 cm <sup>3</sup>
Power	36 HP at 7500 R.P.M.
Cylinder	Aluminum with Gilnisl coating
Compression ratio	11,5:1
Piston	Two chromium plated rings mm 1
Intake	Reed valve in the crankcase
Carburetor	Ø28 float
Air filter	Air box
Ignition	Electronic with battery charger possible
Battery charger prearrangement	Output power 80 W at 5500 RPM
Spark plug hood	5k Ω resistance
Fuel type	Lead free petrol with 2% synthetic oil
Gear reduction unit	Helical teeth in oil bath with 2,8 reduction ratio
Starting (Electric starter optional)	Pull start with self winding rope FLASH STARTER
Clutch	Centrifugal in oil bath
Muffler	Expansion with oval silencer
Engine weight	18 Kg (19kg with electric starter) without radiator
Propeller rotation	Clockwise

# THOR 250 DUAL SPARK PERFORMANCE AND SAFETY IN FLIGHT



- **928.000.019** - Ø28 Float carburetor  
ELECTRIC STARTER + FLASH STARTER

THOR 250 DUAL SPARK	
Polini Engine	2 stroke monocylinder
Cooling	Liquid cooled
Bore for stroke	72 x 60
Displacement	244 cm <sup>3</sup>
Power	36,5 HP at 7500 R.P.M.
Cylinder	Aluminum with Gilnisl coating
Compression ratio	11,5:1
Piston	Two chromium plated rings mm 1
Intake	Reed valve in the crankcase
Carburetor	Ø28 float
Air filter	Air box
Ignition 1	Electronic powered battery
Ignition 2	Electronic with battery
Battery charger	Output power 80 W at 5500 RPM
Spark plug hood	5k Ω resistance
Fuel type	Lead free petrol with 2% synthetic oil
Gear reduction unit	Helical teeth in oil bath with 2,8 reduction ratio
Starting	Electric starter + pull start with self winding rope FLASH STARTER
Clutch	Centrifugal in oil bath
Muffler	Expansion with oval silencer
Engine weight	18,5 Kg (19,5 kg with electric starter) without radiator
Propeller rotation	Clockwise

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