

ENGINES / AMG 120



These engines have a horizontal shaft configuration and are versatile and suitable for a wide array of uses in professional, construction, and agriculture sectors. The AMG 120 model is ideal for agricultural machinery, construction equipment, generators, woodworking machinery, irrigation and sprayer pumps, compressors, power washers, and chippers.

| MODEL | AMG 120 |
|-----------------------------|--|
| ENGINE TYPE | OHV single cylinder engine, Horizontal shaft, Air-cooled, 4-stroke |
| POWER (Hp/Kw) | 4 / 2.9 |
| DISPLACEMENT (cc) | 118 |
| RPM | 3600 |
| BORE/STROKE RATIO (mm) | 60x42 |
| COMPRESSION RATIO | 8,5:1 |
| STARTING | Recoil start |
| FUEL TYPE | Unleaded petrol |
| FUEL TANK CAPACITY (litres) | 2.2 |
| OIL | SAE 10W 40 SJ Multi-grade |
| OIL PAN CAPACITY (litres) | 0.6 |
| "OIL ALERT" DEVICE | Yes |
| AIR FILTER | Dry |
| OVERALL DIMENSIONS (mm) | 305 x 341 x 318 |
| DRY WEIGHT (Kg) | 12 |

The technical drawing shows three views of a mechanical component:

- Front View (Left):** A shaft-like part with a total length of 100 mm. It features a central section with a diameter of $\varnothing 60 \pm 0.015$ and a smaller section with a diameter of $\varnothing 30 \pm 0.015$. The distance between the centers of these sections is 80 mm. There are also dimensions for 10 mm, 10 mm, and 10 mm segments.
- Top View (Right):** A circular cross-section with an outer diameter of $\varnothing 70 \pm 0.015$ and an inner hole with a diameter of $\varnothing 60 \pm 0.015$. There are four small holes around the perimeter, each with a diameter of $\varnothing 10 \pm 0.015$.
- Side View (Bottom Left):** A partial view showing the profile of the part.

To the right of the drawing are two graphs:

- MICRORE ANALISI - Control di potenza:** A graph showing power (W) versus frequency (Hz). The y-axis ranges from 0 to 10 W, and the x-axis ranges from 0 to 1000 Hz. A red curve starts at approximately (0, 2.5) and rises to about (1000, 9.5).
- MICRORE ANALISI 20 - Control di coppia:** A graph showing torque (Nm) versus frequency (Hz). The y-axis ranges from 0 to 1 Nm, and the x-axis ranges from 0 to 1000 Hz. A blue curve starts at approximately (0, 0.5), peaks at about (200, 0.8), and then gradually decreases to about (1000, 0.6).