SALES BROCHURE

# L 220

## 16 BAR ALL-IN-ONE LASER CUTTING COMPRESSOR 22 KW

*Compressor, 16 bar tank, dryer and fine filtration on one frame: the clean, dry air a laser cutter needs.*

**All-in-one version: compressor, 16 bar tank, refrigerated dryer and precision filtration built in.**



| 22 kW | 8 · 16 bar | 1.8 m³/min | 72 ± 3 dB | 380 V |
|---|---|---|---|---|
| MOTOR POWER | PRESSURE | AIR FLOW | NOISE LEVEL | POWER SUPPLY THREE-PHASE / 50 HZ |

## KEY FEATURES

At the heart of the machine is a **high-efficiency screw air-end**, driven by an **IP55-protected motor** (insulation class F). An **electronic controller with display** constantly monitors pressure, temperature and running hours, and protects the machine if anything goes wrong. You set the working pressure: the compressor builds up to that value, stops on its own, then restarts automatically as soon as the pressure drops below the set threshold.

- Air-cooled, with an oil content in the compressed air of 3 ppm maximum at the compressor outlet.
- Standard wear parts (filters, oil, separator): maintenance stays simple and affordable.
- Every machine is checked and tested before shipping.

On the L Series, the compressor reaches **16 bar** and includes a 16 bar tank, a **refrigerated dryer** and **precision filtration** (particles down to 0.01 µm, residual oil 0.001 ppm, dew point 3 to 10 °C): the air reaches the cutting head clean and dry.

## WHY CHOOSE A SCREW COMPRESSOR?

A piston compressor is made for occasional use. As soon as compressed air is needed several hours a day, a screw compressor takes over: it runs all day long, more quietly.

| | L 220, SCREW COMPRESSOR | PISTON COMPRESSOR |
|---|---|---|
| **Duty** | **Continuous operation, all day long** | Intermittent use, needs rest periods |
| **Noise** | **Quiet: it can stay in the workshop** | Much louder, often moved outside |
| **Air** | **Steady flow, no surges or pulsations** | Saw-tooth pressure between starts |
| **Wear** | **High-efficiency screw block, standard wear parts** | Valves, rings and belts stressed at every cycle |
| **Energy use** | **Variable speed: the motor follows demand and stops when nothing is using air** | On/off operation at full power |

## WHICH TRADES IS IT FOR?

- Metal fabrication
- Plasma cutting
- CNC machining
- Industry / production
- Aluminium and PVC window fabrication
- Powder coating

**2 YEARS**

### 2-YEAR WARRANTY

- Every machine is checked and tested before shipping
- Documentation and maintenance logbook supplied
- Spare parts available for 15 years

## SPECIFICATIONS

| | |
|---|---|
| Power | **22 kW** |
| Technology | **16 bar all-in-one screw compressor, permanent-magnet variable speed** |
| Maximum pressure | **8 to 16 bar** |
| Air flow (ISO 1217) | **1.8 m³/min** |
| Air receiver | **500 L, 16 bar** |
| Drying and filtration | **Refrigerated dryer (dew point 3 to 10 °C) + precision filtration (particles 0.01 µm, oil 0.001 ppm)** |
| Power supply | **380 V three-phase / 50 Hz** |
| Cooling | **Air-cooled** |
| Noise level | **72 ± 3 dB(A)** |
| Outlet connection | **DN15** |
| Dimensions | **1900 × 900 × 1710 mm (L × W × H)** |
| Weight | **750 kg** |
| Service intervals | **500 hours, then every 1,500 hours (reminder shown by the controller)** |

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