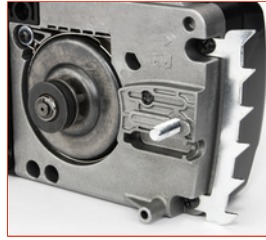


# ES-163 A

Powerful and reliable



Tool-less chain tensioner (TLC)



Metal spike bar



Optimal cable routing with strain relief clamp



Fill level window

## Technical specifications

Rated voltage	230 V	Chain	092   3/8"
Power consumption	1.900 W	Sound pressure level	90,8 dB(A)
Weight (dry, w/o bar)	5,1 kg	Sound power level	101,8 dB(A)
Oil tank capacity	140 ml	Uncertainty K according to 2006/42/EC	1,0 dB(A)
Chain tensioning	Toolless Chain tensioning (TLC)	Vibration acceleration Front	4,7 m/s <sup>2</sup>
Automatic oilpump	yes	Vibration acceleration Rear	5,6 m/s <sup>2</sup>
Guide bar	35 cm	Uncertainty K according to 2006/42/EC	1,5 m/s <sup>2</sup>

- Powerful and extremely heavy-duty Makita electric motor
- Ergonomic hand guard with non-slip coating
- Automatic oil pump for reliable chain lubrication
- Toolless chain tensioner
- Oil fill level window
- Metal spike bar for effective force deflection
- Electric runout brake
- Optimum cable guidance through strain relief.
- Electric overload protection
- Initial current limiter

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