



## Husqvarna K 770 SmartGuard™

Husqvarna K 770 SmartGuard is a powerful all-round power cutter with features that make it one of the best power cutters on the market. Equipped with SmartGuard, an extended blade guard design which reduces the likelihood of accidents and circumstances when a kickback may occur as it emphasizes correct technique and correct cutting zone. The semi-automatic SmartTension™ system allows for optimal power transmission, minimum wear and maximum belt life. The light weight, outstanding power-to-weight ratio, the reliable start and exceptionally low vibrations mean less strain and maximized productivity. Suitable for road work and easy to cut in a straight or curved track or close to sidewalk when used with KV7 trolley.



### Purposeful design

Guides you to start cutting in the correct zone thanks to the design.



### Easy to inspect

Enables easy and visual inspection of the condition of the SmartGuard to secure functionality.

### Operational safety

When cutting hard materials in confined spaces e.g. pipe cutting.



### Easy and optimal belt tensioning

The semi-automatic SmartTension minimises the risk of under- and over tensioning.



## FEATURES

- Operational safety
- Easy to inspect
- Purposeful design
- Easy and optimal belt tensioning
- Light and powerful
- Heavy-duty cutting arm
- Long service intervals
- Digital ignition with optimised timing
- Vibrations below 2.5 m/s<sup>2</sup> in the cutter handles for more comfort and longer operation periods.
- Easy to start
- The only time the filter needs to be checked and changed is if you experience lack of power.
- High power with less fuel
- Optimized engine performance through efficient cylinder design, digital ignition system and X-Torq® engine technology.
- Less slurry and low water consumption
- Easy to change bladeguard position
- Fits multiple blade bushings
- Our X-Torq® engine produces less emissions, has lower fuel consumption and results in more power.
- Smooth blade stop
- Patented, dust sealed starter unit with a sealed return spring and pulley bearing. DuraStarter™ also includes a starter cord with greatly increased durability. This makes the starter virtually maintenance free, further enhancing the reliability of our cutters.
- Reduced wear thanks to the drive belt with fully sealed transmission, which keeps out the cutting dust.
- Our two-step filtration system with centrifugal cleaning and a single paper filter increases product life and extends service intervals.
- Our anti-vibration system reduces vibrations in the cutter handles, so they are more comfortable to hold and can be used for longer periods. To provide the user a comfortable operating position and to reduce strain, the distance between the handles is large. The handles and the short engine body mean the user always stands close to the machine, for easier handling and control.
- Our virtually maintenance free starter, thanks to the dust-sealed starter and the durable starter cord.
- Provides better transmission of power, less frequent re-tensioning and extended service intervals.
- Our built-in automatic filter compensation maintains high power during the air filter life time.
- Asphalt cutting in roadworks.
- Cutting building blocks, curbstones and garden pavers.
- Burying of all kinds of cables.
- Cutting cast concrete.
- Regular cutting in floors and walls.

### Technical Specifications

#### CAPACITY

Idling speed	2700 rpm
Idling upper limit	3500 rpm
Maximum power speed	9000 rpm
Power/weight ratio	0.33 kW/kg
Output power	5 hp
Output shaft RPM, max	4700 rpm
Peripheral speed, max	18000 fpm
Racing speed lower limit	9100 rpm
Water pressure, max	150 psi

#### DIMENSIONS

Article gross weight	15900 g
Article net weight	11900 g
Arbor diameter	0.8/1 in
Blade diameter, max	14 in
Blade flange diameter	4.13 in
Blade thickness, max	0.2 in
Cutting depth, max	5 in
Product size height	16.89 in
Product size length	30.27 in
Product size width	8.86 in
Weight	24.5 lbs

#### ENGINE

Cylinder bore	2.01 in
Cylinder displacement	4.48 cu.inch
Cylinder stroke	1.42 in
Cylinders	1
Electrode gap	0.02 in
Engine cooling	Fan/Air
Max engine/motor	9300 rpm
Spark plug	NGK BPMR7A

#### EQUIPMENT

Starter	Manual cord with spring
Water connector	Gardena Male

#### LUBRICANTS

Engine cooling	Fan/Air
Fuel consumption	470 g/kWh
Fuel tank volume	30.4 fl oz
Lubricant type (Engine)	Husqvarna 2 stroke or equiv. at 50:1

**Technical Specifications****SOUND AND NOISE**

Sound power level, guaranteed (LWA)	115 dB(A)
Sound power level, measured	113 dB(A)
Sound pressure level at operators ear	101 dB(A)

**VIBRATIONS**

Daily Vibration (Aeqv)	2.1 m/s <sup>2</sup>
Daily Vibration Exposure (A8)	0.8 m/s <sup>2</sup>
Daily Vibration Time (Time factor)	1 h
Vibrations left/front handle	2.1 m/s <sup>2</sup>
Vibrations right/rear handle	2.0 m/s <sup>2</sup>

**EMISSION DATA EPA**

Exhaust emissions (CO average)	432.0 g/kWh
Exhaust emissions (CO FEL)	536 g/kWh
Exhaust emissions (CO average)	717 g/kWh
Exhaust emissions (HC average)	49.27 g/kWh
Exhaust emissions (NOx average)	0.94 g/kWh

**EMISSION DATA EU**

Exhaust emissions (CO average)	428.16 g/kWh
Exhaust emissions (CO average)	711 g/kWh
Exhaust emissions (HC average)	51.36 g/kWh
Exhaust emissions (NOx average)	0.94 g/kWh

**PACKAGING**

Packaging length	780 mm
Packaging width	260 mm
Packaging height	482 mm
Packaging volume	97.3 dm <sup>3</sup>