

Gas Power

680ES TECHNICAL SPECIFICATIONS

Bar Cutting Depth	10in/25cm PowerGrit® only 12in /30cm, 14 in/35cm FORCE3™
Powerhead Weight	21 lbs/9.6 kg
Engine Speed	11500 +/- 500 rpm (max)
Idling Speed	2800-3200 rpm
Horsepower	5 hp (3.7 kW)
Engine Type	2-stroke, single cylinder, air cooled
Displacement	4.7 cu inch (76.5 cc)
Powerhead Dimensions	18"L x 11.5" H x 10" W (46 cm x 29 cm x 25 cm)
Guaranteed Sound Power Level, Lwa (1)	117 dB(A); (Kwa = 3.0 dB(A))
Sound Pressure Level, at Operator's Ear Lwa (1)	101.0 dB(A); (K = 2.0 dB(A))
Vibration, a hv, eq Concrete Cutting (2)	7.2 m/s ² (K=1.0 m/s ²) Front Handle 8.5 m/s ² (K=1.0 m/s ²) Rear Handle
Water Supply Requirement	Minimum of 20 psi (1.4 bar)
Water Flow	Minimum: 2 gpm (8 lpm)
Fuel Mix Ratio	50:1 (2%) fuel-to-oil
Fuel Capacity	0.23 gal (0.88 liter)

680ES - Gas
Cutting an egress window
Seattle, WA, 2015

(1) Measured in accordance with ANSI S12.51-2012/ISO3741:2010
(2) Measured in accordance with ISO5349-1:2001 and ISO22867:2011

For Cutting Concrete & Pipe

680ES

Equipped with integrated water delivery system that continuously feeds water to the blade and built to meet the operation and flexibility demands of the general construction user, the 680ES stands alone in terms of reliability and value. Easy to start with a new multifunction lever to control choke, run, and stop functions. The distinctive black powerhead houses specially designed carburetion and ignition systems that work together to ensure easy starting, cooler operation and dependable performance at just about any elevation. Available with 12-inch (30 cm) and 14-inch (35 cm) guidebars and the entire line of FORCE3™ series diamond chain. With a quick switch of the guidebar, chain and drive sprocket, the 680ES can operate PowerGrit Pipe Cutting chain (10" (25 cm) cutting depth), designed to cut ductile iron pipe.



680ES



680PG

680ES-GC GAS POWER CUTTERS AND CONSUMABLES*

PART NUMBER	DESCRIPTION
576155	ICS 680ES Powerhead
576154	ICS 680ES-12 GC Package, with 12 in/30 cm Guidebar & FORCE3 Chain
576153	ICS 680ES-14 GC Package, with 14 in/35 cm Guidebar & FORCE3 Chain
584290	FORCE3 chain, 58DL (12 INCH/30CM)
584292	FORCE3 chain, 64DL (14 INCH/35CM)
584297	FORCE3 Brick chain, 58DL (12 INCH/30CM)
584299	FORCE3 Brick chain, 64DL (14 INCH/35CM)
584298	FORCE3 Premium chain, 58DL (12 INCH/30CM)
584303	FORCE3 Premium chain, 64DL (14 INCH/35CM)
71395	ICS 680GC Guidebar 12 in/30 cm
513122	ICS 680GC Guidebar 14 in/35 cm
70949	ICS 680GC Drive Sprocket
73935	ICS 680ES Premium Tensioner Kit
71521	Tensioning Srench

680ES-PG GAS POWER CUTTERS AND CONSUMABLES*

PART NUMBER	DESCRIPTION
580423	ICS 680ES-10 PG Package, with 10 in/25 cm Guidebar & PowerGrit Chain
580424	ICS PowerGrit-24 chain 10 in/25 cm
579158	ICS 680 PowerGrit Guidebar 10 in/25 cm
525496	ICS 680ES PowerGrit Drive Sprocket
73935	ICS 680ES Premium Tensioner Kit
71521	Tensioning Srench

Did you know...

Your 680ES can be converted to cut ductile iron, cast iron, PVC and more? Just replace the guidebar, chain and drive sprocket and you are all ready to go!