

680ES-PG10

Built to provide a combination of performance and portability for cutting in-ground utility pipe, the 680ES-PG gas power cutter with PowerGrit® or PowerGritXLchain will change the way you cut pipe. This affordably priced power cutter allows you to cut up to 10" deep from one side into ductile iron, cast iron, PVC, HDPE, Insituform lining and even Asbestos*concrete pipe. It is designed to run the full line of FORCE3 series chains. With a quick switch of guidebar, chain and drive sprocket, you have the ability to use this power cutter in masonry, stone, and even reinforced concrete. Making it the most cost effective, versatile tool in your arsenal.

680ES PRODUCT SPECIFICATIONS

Engine Type	2-stroke, Air Cooled
Displacement	4.7 cu-in (76.5 cc)
Horsepower	5 hp (3.7 kW) @ 9,500 rpm
Torque	36.3 in-lbs (4.1 Nm) @ 6,500 rpm
Engine Speed	11500 +/- 500 rpm (max) 2,800 - 3,200 rpm (idle)
Chain Speed at Maximum Power	6800 ft/min (34.5 m/s)
Weight	21 lbs (9.5 kg) powerhead only
Powerhead Dimensions	18 in (46 cm) length, 11.5 in (29 cm) height 10 in (25 cm) width
Starter	Dust and water resistant
Ignition	Special water resistant electronic ignition
Fuel ratio	50:1 (2%) gasoline-to-oil
Fuel Capacity	0.23 gallon(0.88 liter)
Water Supply Requirement	Minimum 20 psi (1.5 bar)
Water Flow Requirement	Minimum: 2 gpm (8 lpm)
Guaranteed Sound Power Level, L_{wa} (1)	117 dB(A) (K_{wa} =3.0 dB(A))
Equivalent Sound Pressure at the Operator's Ear, L_{pa} (1)	101.0 dB(A) (K = 2.0 dB(A))
Vibration, $a_{nv,eq}$ 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

(1) Measured in accordance with ANSI S12.51-2012/ISO3741:2010

(2) Measured in accordance with ISO5349=1:2001 and IS 22867:2011

* Asbestos is a hazardous material, known to cause serious respiratory diseases. Cutting into asbestos can release asbestos fibers into the air. Always research and follow the correct safety procedures, including applicable national and state or provisional occupational health and safety regulations, and protect yourself and those around you from asbestos-related disease. Always arrange for the material to be removed safely by a qualified person. ICS is not responsible for exposure to asbestos caused by use of this product.



Diamond Tools and Equipment

ICSDIAMONDTOOLS.COM | 800.321.1240

PRODUCT DATASHEET
ICS 680ES-PG10 POWER CUTTER

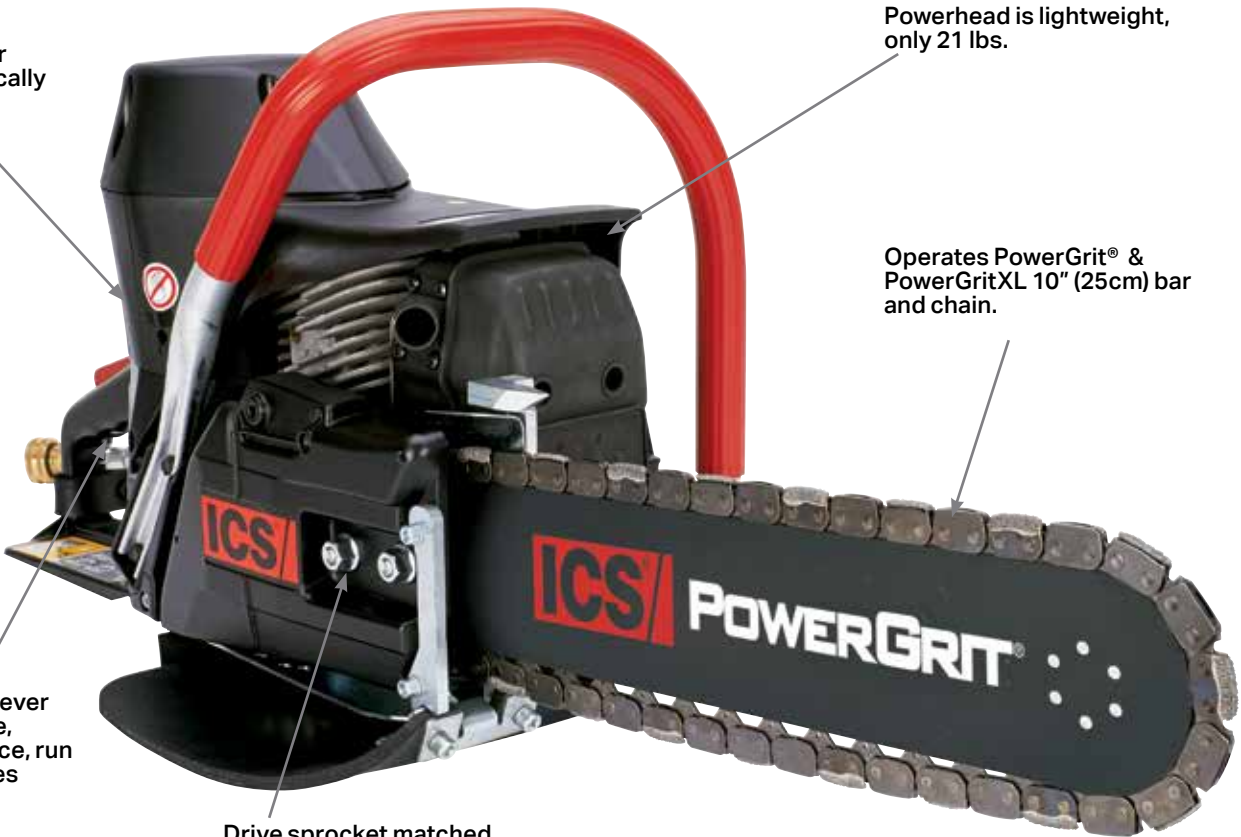
Polyester air filter designed specifically for wet cutting

Powerhead is lightweight, only 21 lbs.

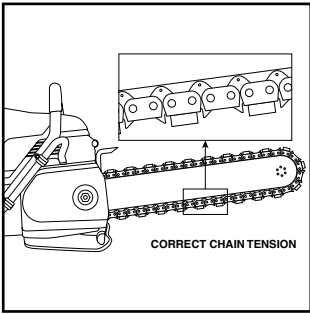
Operates PowerGrit® & PowerGritXL 10" (25cm) bar and chain.

Multifunction lever controls choke, throttle advance, run and stop modes

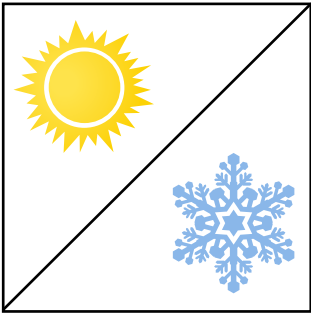
Drive sprocket matched to PowerGrit and PowerGritXL chain.



Cut up to a 10" (25cm) pipe from one side.



Easy tensioning of chain



Easy-to-start in all weather



Diamond Tools and Equipment

ICSDIAMONDTOOLS.COM | 800.321.1240

Effective January 1, 2021 | Copyright 2021 ICS. Pricing, product offerings and specifications are subject to change without notice. All rights reserved. ICS, WallWalker, SpeedHook, SealPRO, FORCE4 and PowerGrit are registered trademarks of ICS. The best way to cut concrete, DCT, TSS, ProFORCE, and FORCE3 are trademarks of ICS. Rev: 102020