



DIAMONDS ARE A CONTRACTOR'S BEST FRIEND

**CUSTOMER:**

Diamond Products

PRODUCT:

CC5048DC & CC5048DCV
Walk-Behind Saw

LOCATION:

Elyria, Ohio

SCOPE OF ENGINE USE:

Cat® C2.2 & C1.7 EU Stage V

CAT® DEALER:

Ohio Cat
www.ohioecat.com

WEBSITE:

www.diamondproducts.com/

**FEATURED TOPIC:**

Cat® C2.2 & C1.7

In 1954, General Electric produced the first lab-created diamond, and it didn't take long before other companies discovered the non-natural diamond could do a lot more than look pretty. This hardest substance on Earth could cut through asphalt, brick, concrete, stone and other aggregates with ease.

One such company was Pennsylvania Drilling, which changed its name to Diamond Products® in 1964, when it began creating diamond core bits and drilling machines for the construction industry. Today, Diamond Products is one of the largest manufacturers of diamond-tipped tools in North America, providing blades, bits, wire, chain, saws, coring equipment and abrasives to highway contractors, professional concrete cutters, construction firms, demolition companies and others.

The CC5048DCV Walk-Behind Saw is the newest walk-behind saw from Diamond Products. With the same 14- to 42-inch blade capacity as the previous version, the CC5049DC now boasts an optional Cat® C1.7 diesel engine that meets EU Stage V emissions standards and is the successor to the first walk-behind saw in the US to be powered by a Cat industrial engine. It's designed for cutting expansion joints and making repairs to roads and highways, as well as any construction application that requires ripping out concrete or cutting into tough materials. Despite weighing more than 1,700 pounds, the majority of the CC5048DC's weight is distributed over the blade instead of the operator, making it easier to maneuver than its predecessor.

A CRYSTAL-CLEAR CHOICE

Most walk-behind saw manufacturers switched from gas to diesel power more than a decade ago, seeking better performance and durability. "Gas engines are racehorses, and diesel engines are workhorses," says Keith Ripley, Vice President of Sales and Marketing for Diamond Products. "Diesel makes better sense for our application, where we need to put a somewhat large engine on a fairly small piece of equipment that's going to be used for cutting hard materials."

Uptime is precious. Deciding which engine brand to power the new machine came down to quality and reliability. Diamond Products' reputation rests on

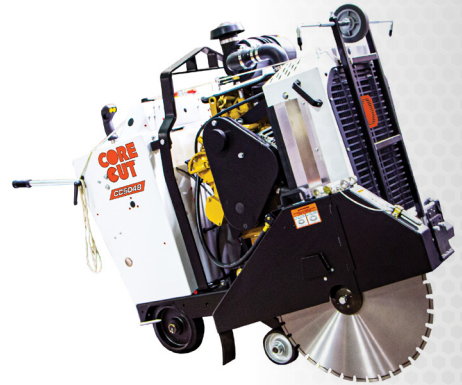
producing saws ready to run when needed. “The Cat brand gets the attention of our customers, because it’s a well-known name that is synonymous with quality and impeccable service,” Ripley says.

Good things come in small packages. With help from its local Cat dealer, Ohio Cat, Diamond Products landed on the 49-horsepower C2.2 engine to power the new saw. “It delivers a lot of power in a small package. That’s important because our customers don’t have a lot of space to maneuver in,” Ripley says.

Sustainability that saves. Offering the C1.7 as an additional engine option that meets EU Stage V emissions standards—while not sacrificing performance—was an important consideration for Diamond Products when selecting an engine, as the company strives to be at the forefront of sustainability and ever-increasing emissions standards. With the C1.7 opening Diamond Products to the EU market, Miki Pavlovic, Director of Quality and Engineering at Diamond Products, has this to say about the company’s goals: “With our goal for U.S. based net-zero emissions from our operations by 2050, we certainly keep a pulse on that. As we work toward that, we continually improve with each redesign.”

Saws Stay connected with Cat Connect®. Both the C1.7 and C2.2 models are able to be connected with Cat Connect technology. For these models customers will be able to get the engine data that helps them be more productive.

Service that shines. After more than half a century producing diamond-tipped tools, Diamond Products knows the importance of a good service network. Due to the trust built over many years of partnership, the Diamond Products team turned to local dealer Ohio Cat to select the right engine for each machine and to streamline delivery for production. “With Cat dealers everywhere, Cat service is second to none. We are so excited to be able to tell people this saw comes with Cat service,” Ripley says. Tap into the Cat Global Dealer Network to have a dealer on call for all the maintenance needs of your fleet.



“Diesel makes sense for this application, where we need the power density on a fairly small piece of equipment that’s used for cutting hard materials.”



LET'S DO THE WORK.™

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