

POWER PROFILE: DIAMOND PRODUCTS CC5049DC WALK BEHIND SAW

THE CROWN JEWEL OF CONCRETE CUTTING



REGION:
Elyria, Ohio

SCOPE OF ENGINE USE:
Cat® C2.2 U.S. EPA Tier 4 Final Engine

DEALER:
Ohio Cat

WEBSITE:
diamondproducts.com



FEATURED TOPICS:
Industrial Engines

DIAMONDS ARE A CONTRACTOR'S BEST FRIEND

The hardest substance on earth, a diamond, can do a lot more than look pretty — something industrial manufacturers came to realize nearly 70 years ago. In 1954, General Electric created the first non-natural diamonds in the lab, and it wasn't long before other companies started putting them to use in decidedly non-glamorous applications: cutting through asphalt, brick, concrete, stone and other aggregates.

One of those companies 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, saws, coring equipment and abrasives to highway contractors, professional concrete cutters, construction firms, demolition companies and others.

New to the Diamond Products lineup is the CC5049DC Walk Behind Saw. With 14- to 42-inch blade capacity, it's ideal for cutting expansion joints and making repairs on roads and highways, as well as any construction application that requires ripping out concrete or cutting into tough material. With its engine mounted on the frame, not inline like some Diamond Products' models or other manufacturers' saws, this first version of the CC5049DC doesn't require a gearbox — reducing service and maintenance costs. It's also easy to handle despite weighing in at 1,700 pounds, because that weight is balanced over the blade, not over the operator. And there's one more feature that makes the CC5049DC unique: It's the first walk-behind saw in the U.S. powered by a Cat® industrial engine.

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 in demanding applications. "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 moderately violent work.”

Uptime is precious. Deciding which engine brand to power the new CC5049DC came down to quality and reliability. Diamond Products’ reputation rests on producing saws ready to run when needed, sometimes at a moment’s notice. Streets flood if a saw isn’t available to cut into a broken water main. Newly poured concrete cracks without a saw to cut in expansion joints. “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 CC5049DC. “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.

Service that shines. After more than half a century producing diamond-tipped tools, Diamond Products knows the importance of a good service network. With previous engines, the company experienced unqualified service centers, poor parts availability and warranty issues — but expects all that to be a thing of the past with a Cat engine powering the new CC5049DC. “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.



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LET’S DO THE WORK.™

