



MK Diamond Products, Inc.

CONCRETE SAWS

MK-3000 Series



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MK-3000 SERIES SELF-PROPELLED CONCRETE SAWS



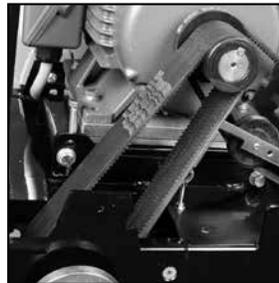
The MK-3000 series Concrete Saws are big performance saws in small packages. They have been engineered to take advantage of the new breed of high horsepower V-Twin air-cooled engines from Briggs & Stratton and Kohler. They provide the cutting depth and power of traditional street saws with all the advantages of a smaller, more maneuverable saw.

STANDARD FEATURES:



Control Panel

Instrumentation includes engine tach, fuel level and hour meter.



Belts

Seven 3VX belts from engine to blade shaft.



E-Stop

Easy access emergency stop control.



Water Control

Allows operator to adjust rate of water flow to blade guard.



Ergonomic

Ergonomic FNR traverse control for ease of operation.



Throttle Control

Vernier throttle control for fast or fine adjustments.



Depth of Cut

Electric leadscrew for effortless positive adjustment of cutting depth. Depth of cut indicator positioned for easy access.



Engine Power

The MK-3000 is available with a Vanguard 33 Hp gas engine or a Kohler 37 Hp gas engine. All saws meet EPA exhaust and emission standards.

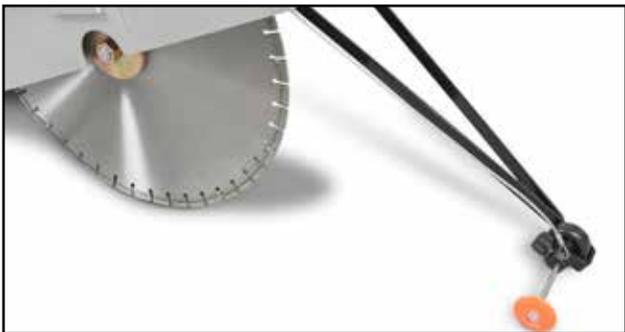
KOHLER www.kohlerengines.com

The Command Pro CH1000 is a v-twin cylinder, air-cooled, 37 Hp horizontal-shaft engine that is built to last. OHV, cast iron cylinder liners, and aluminum black construction make the 4-cycle, Command PRO ready for the long haul.

POWERED BY VANGUARD www.vanguardengines.com

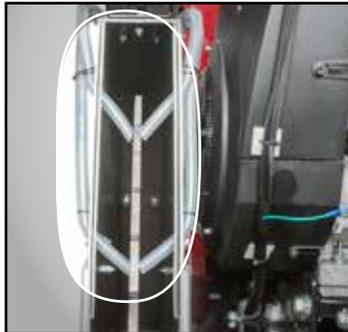
The Briggs & Stratton Vanguard 33Hp engine air cooled v-twin horizontal shaft engine is industry proven standard for Big Block engine power, performance and reliability. Features include Dura-Bore cast iron cylinder sleeves and a high efficiency OHV head design for improved efficiency, smoother idle, lower emissions and more power. Magnatron electronic ignition provides dependable starts with no required maintenance.

STANDARD FEATURES:



Pointer

Rigid frame front pointer with high visibility guide wheel for accurate tracking.



Water Delivery

Blade guard uses "ride on the blade" water tubes for superior water delivery and blade cooling.



Rear Panel

Removable rear panel for easy service.



Dual Arbor

Designed for left or right side mounting of blade and blade guard.



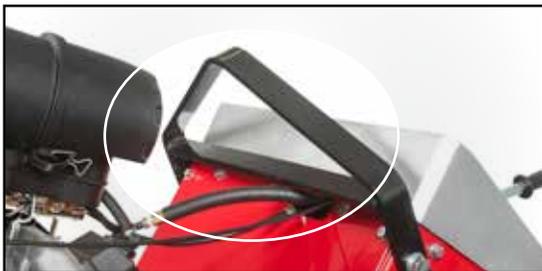
Ergonomic Handles

Three-position adjustable solid steel handlebars.



Wheels

Wide front wheel base increases stability and allows ramp loading/unloading.



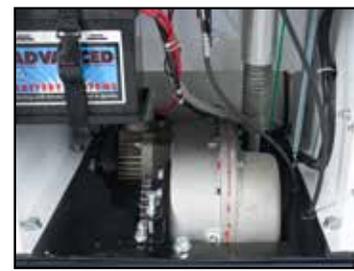
Lifting Bail

Built-in lifting bail for easy maneuverability.



Hose Connection

Blade guard has garden hose style connector for quick disconnecting.



Transmission

Eaton model seven hydrostatic transmission coupled to an MK trans-axle.

Propane Model - Vanguard Engine

Propane is cleaner for the environment and your jobsite. Using propane reduces the greenhouse gas carbon dioxide and air pollutants like carbon monoxide and nitrogen oxide. In fact, propane cuts 17% of greenhouse emissions versus gasoline. If one of your sustainability goals is reducing overall energy use, reducing your carbon footprint and greenhouse gas emissions, a propane powered saw is the right choice.



Eight gallon horizontally mounted vapor delivery propane tank.

3000 SERIES

QUALITY & PERFORMANCE

MK Diamond Products has been in the construction manufacturing business for over one and a half centuries and has built a reputation for quality products. With over three decades being focused on the manufacturing of saws, our engineering staff has designed some products and features that have become standards in the industry.

Established as a world leader for precision power cutting tools and diamond blades our products are being purchased by government and public works departments, every branch of the military and construction companies worldwide. We are committed to making our products and services the benchmark by which the rest of the industry will measure itself.

MK Diamond's commitment to the environment is a priority. We are constantly moving toward purchasing more materials from clean-energy producers and working with green builders to develop new products with low emissions. All of our saws meet EPA exhaust and emission standards.

Quality is a must when it comes to the precision necessary to build large flat saws. Confirming our commitment to customer satisfaction and quality, we have quality control procedures second to none. Our concrete saws are produced in accordance with rigorous quality control standards.



Flat Saw Testing

All saws are tested on our hydraulic load cell to simulate cutting conditions and assure optimal field performance.



Saw Assembly

Pro Concrete Saws are made in our state of the art facility.



Transmission

Transmissions are tested at the component level to ensure quality, function & longevity.



Differential Assembly

Differential assembly test fixture is an example of many ways we ensure quality and accuracy during assembly process.

GASOLINE & PROPANE CONCRETE SAWS

Part Number

MK-3020V 20", 33Hp Vanguard Gas Self-Propelled Concrete Saw	166447-20
MK-3026V 26", 33Hp Vanguard Gas Self-Propelled Concrete Saw	166447-26
MK-3030V 30", 33Hp Vanguard Gas Self-Propelled Concrete Saw	166447-30
MK-3020VP 20", 33Hp Vanguard Propane Self-Propelled Concrete Saw	166447-20P
MK-3026VP 26", 33Hp Vanguard Propane Self-Propelled Concrete Saw	166447-26P
MK-3030VP 30", 33Hp Vanguard Propane Self-Propelled Concrete Saw	166447-30P
MK-3020K 20", 37Hp Kohler Gas Self-Propelled Concrete Saw	166449-20
MK-3026K 26", 37Hp Kohler Gas Self-Propelled Concrete Saw	166449-26
MK-3030K 30", 37Hp Kohler Gas Self-Propelled Concrete Saw	166449-30

Blade not included

SPECIFICATIONS GASOLINE:

Technical Specifications

Arbor	1" with 3/8" Drive Pin
Blade Shaft Diameter	1 - 5/8" (41mm)
Blade Shaft Bearings	Oil Bath
Blade Shaft Drive	7 3VX Belts
Blade Control	Electric
Axle - Front	1" (25.4mm)
Axle - Rear	1" (25.4mm)
Wheels - Front D x W x B	6" x 2 - 1/2" x 1" (152 x 64 x 25mm)
Wheels - Rear D x W x B	8" x 2 - 1/2" x 1" (203 x 64 x 25mm)
Handle Bars/Adjustment Length	32 1/2" (826mm)
Transmission	Eaton Hydrostatic
Rear End	Enclosed Gearbox w/ chain final drive
Control	Forward/Reverse control, Engage/Disengaged Controls
Speed	0 - 200 FPM (Forward) 0 - 100 FPM (Reverse)
Chassis	Heavy Duty jig-welded box frame

Engine Specifications	Vanguard	Kohler
Engine Type	Briggs & Stratton	Kohler
Power Source	V-Twin Big Block OHV*	Command Pro CH1000*
Maximum Horsepower*	33 Hp (25kw)	37 Hp (28kw)
Displacement	60.6 cu in (0,993 1cc)	61 cu in (999cc)
Bore	3.366" (85.5mm)	3.5" (90mm)
Stroke	3.406" (86.5mm)	3.1" (78.5mm)
Cylinders / Cycle	2 Cylinders 4 Cycle	2 Cylinders 4 Cycle
Fuel Capacity - Gal	5 Gal. (18.91 liter) / 8 Gal. (Propane)	5 Gal. (18.91 liter)
Oil Capacity - Qt	2.5 Qt. (2.37 liter)	2.9 Qt (2.75 liter)
Air Filter	Three Stage	Three Stage
Starter	Electric	Electric
Engine Cooling	Air	Air

Saw Dimensions

Height	44" (1,118mm)	58" (with propane tank)
Minimum Saw Length (Transport)	49-1/2" (1,257mm)	
Maximum Saw Length (Working)	109-3/4" (2,788mm)	
Frame Width - in (mm)	22 -1/2" (572mm)	
Saw Width - in (mm)	30-1/2" (775mm)	
Front (Outside to Outside Wheel Width)	19" (483mm)	
Rear (Outside to Outside Wheel Width)	22-3/4" (578mm)	
Blade to Wall	1-13/16" (46mm)	
Wheel Base Length	20-1/4" (514mm)	
Blade Shaft Maximum Height	17-1/8" (435mm)	
Weight Crated	750lbs (341kg)	968lbs (439kg) (Propane)
Weight Uncrated	650lbs (295kg)	732lbs (332kg) (Propane)

*Engine power ratings are calculated by the individual engine manufacturer and the rating method may vary among engine manufacturers. MK Diamond Products makes no claim, representation or warranty as to the power rating of the engine on this equipment and disclaims any responsibility or liability of any kind whatsoever with respect to the accuracy or the engine power rating. Users are advised to consult the engine manufacturer's owners manual and website for specific information regarding the engine power rating.

SPECIFICATIONS ELECTRIC:

Technical Specifications

Blade Shaft Diameter	1 - 5/8" (41mm)
Blade Shaft Bearings	Oil Bath
Blade Shaft Drive	7 3VX Belts
Blade Guard Attachment	Quick Detach Bayonet
Blade Control	Electric
Axle - Front	1" (25.4mm)
Axle - Rear	1" (25.4mm)
Wheels - Front D x W x B	6" x 2 - 1/2" x 1" (152 x 64 x 25mm)
Wheels - Rear D x W x B	8" x 2 - 1/2" x 1" (203 x 64 x 25mm)
Handle Bars/Adjustment Length	32 1/2" (826mm)
Transmission	Eaton Hydrostatic
Rear End	Enclosed Gearbox w/ chain final drive
Control	Forward/Reverse control, Engage/Disengaged Controls
Speed	0 - 200 FPM (Forward) 0 - 100 FPM (Reverse)
Chassis	Heavy Duty jig-welded box frame

Motor Specifications

Motor Type	ABB Baldor
Power Source	M4106T
Maximum Horsepower*	20Hp
Volts	208 - 230/460 Vac
Phase	3 Phase
Cycles	60Hz
Amp	47 - 46/23
RPM	3450
Enclosure	TEFC
Frame	256T
Starter	IEC Direct - on - line

Saw Dimensions

Height	44" (1,118mm)
Minimum Saw Length (Transport)	57" (1,448mm)
Maximum Saw Length (Working)	102" (2,591mm)
Frame Width - in (mm)	22-1/2" (572mm)
Saw Width - in (mm)	30-1/2" (775mm)
Front (Outside to Outside Wheel Width)	19" (483mm)
Rear (Outside to Outside Wheel Width)	23" (584mm)
Blade to Wall	2" (51mm)
Wheel Base Length	17-1/2" (445mm)
Blade Shaft Maximum Height	17-1/8" (435kg)
Weight Crated	750lbs (341kg)
Weight Uncrated	650lbs (295kg)



MK-3000B Pro Electric Self-Propelled Concrete Saws

The MK-3000 Electric Saw provides a solution for those environments and situations where electric power is the right choice, whether for indoor use or simply operator preference. The saw utilizes a three-phase, 20 Hp, ABB Baldor electric motor in 230V or 460V to match the user's need. The saw features the same raise/lower system, self-propelled transmission and control set as other MK-3000s. An ammeter is provided to help monitor load when cutting. One-year limited warranty.

Switch	IP 65 IEC Across the line starter			
Travel Speed	0-200 FPM Forward, 0-100 FPM Reverse			
Arbor	1" with 3/8" drive pin			
Motor	ABB Baldor (Electric)			
Weight	700 lbs. (318kg)			

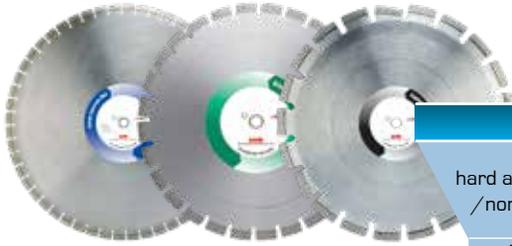
Model	MK-3020B	MK-3020B	MK-3026B	MK-3026B
Size	20" (508mm)	20" (508mm)	26" (660mm)	26" (660mm)
Power	20 Hp 230V 3Ph	20 Hp 460V 3Ph	20 Hp 230V 3Ph	20 Hp 460V 3Ph
Blade RPM	2,580	2,580	2,030	2,030
Depth of Cut	7-1/2" (191mm)	7-1/2" (191mm)	10-1/2" (267mm)	10-1/2" (267mm)
Part#	167428-20	167429-20	167428-26	167429-26

Model	MK-3030B	MK-3030B
Size	30" (762mm)	30" (762mm)
Power	20 Hp 230V 3Ph	20 Hp 460V 3Ph
Blade RPM	1,680	1,680
Depth of Cut	12-1/2" (318mm)	12-1/2" (318mm)
Part#	167428-30	167429-30

Blade not included.
Soft start option available for 230/460 volt.

MK-Pro Series Professional Grade Diamond Blades

The MK-Pro Series is designed and engineered for use on high horsepower, flat saws. This Professional Series is for contractors who insist on optimal performance.



	Cured Concrete			Green Concrete	Asphalt/Concrete	Asphalt
	hard aggregate / non-abrasive	medium-hard aggregate	soft aggregate / abrasive sand	hard aggregate	asphalt overlay	soft aggregate
	MK-7501	MK-7502	MK-7503	MK-7601W	MK-7625	MK-7710W
Horsepower Range	35 - 72	35 - 72	35 - 72	35 - 72	35 - 72	35 - 72
Rim Height	14mm	14mm	14mm	12mm	12mm	12mm

Diameter	Width	Arbor	MK-7501	MK-7502	MK-7503	MK-7601W	MK-7625	MK-7710W
12" (305mm)	.125	1"	153968	152240	152154	153187	153971	153562
12" (305mm)	.145	1"	169784	169785	169786	154096	154131	169867
12" (305mm)	.187	1"	169787	169788	169789	154097	154132	169868
14" (356mm)	.125	1"	152603	151504	153972	153867	153356	152602
14" (356mm)	.145	1"	169790	169791	169792	154098	169793	153586
14" (356mm)	.155	1"	169794	154083	154092	169812	169795	169869
14" (356mm)	.187	1"	169796	169797	169798	154099	154135	169870
14" (356mm)	.250	1"	169799	169800	169801	152774	169802	169871
16" (406mm)	.125	1"	152534	153974	169805	169817	153978	153979
18" (457mm)	.125	1"	152738	152237	153980	153981	153289	153222
18" (457mm)	.155	1"	154670	154085	154094	154100	152418	155131
18" (457mm)	.187	1"	169803	154086	169804	•	153593	153300
20" (508mm)	.125	1"	153190	153841	153984	•	153988	153989
20" (508mm)	.155	1"	169806	154087	169807	•	169808	169872
24" (610mm)	.145	1"	169809	169810	169811	•	169813	153995
24" (610mm)	.155	1"	153305	152372	153990	•	169814	169873
24" (610mm)	.187	1"	161124	169815	169816	•	169818	169874
26" (660mm)	.155	1"	154079	169819	169820	•	169822	169875
26" (660mm)	.165	1"	169823	153299	154095	•	169825	169876
26" (660mm)	.187	1"	158491	169826	169827	•	169829	169877
30" (762mm)	.165	1"	169830	154089	169831	•	169833	169878
30" (762mm)	.187	1"	154080	169834	169835	•	153374	157827
30" (762mm)	.250	1"	169836	169837	169838	•	169840	169879
36" (914mm)	.187	1"	161125	169841	169842	•	153750	169880
36" (914mm)	.210	1"	169844	169845	169846	•	153563	169847
36" (914mm)	.250	1"	169848	169849	169850	•	169852	169851
42" (1067mm)	.187	1"	169853	169854	169855	•	169857	169856
42" (1067mm)	.220	1"	169858	169859	169860	•	169862	169861

Wide Notch Core			MK-7501-30	MK-7502-40				
Rim Height	Width	Arbor	12mm	12mm	12mm	10mm	10mm	10mm
26" (660mm)	.165	1"	169881	169882	169883	•	169885	169886
26" (660mm)	.187	1"	169887	169888	169889	•	169891	169892
30" (762mm)	.165	1"	169893	169894	169895	•	169897	169898
30" (762mm)	.187	1"	169899	169900	169901	•	169903	169904
30" (762mm)	.250	1"	169905	169906	169907	•	169909	169910
36" (914mm)	.187	1"	169911	169912	169913	•	169915	169916
36" (914mm)	.250	1"	169917	169918	169919	•	169921	169922
42" (1067mm)	.187	1"	169923	169924	169925	•	169927	169928
42" (1067mm)	.220	1"	169929	169930	169931	•	169933	169934

Joint Widening Blades - Cured Concrete				MK-7501-30	MK-7502-40
12" (305mm)	.187	1"		169884	169920
12" (305mm)	.220	1"		169890	169926
12" (305mm)	.250	1"		169896	169932
14" (356mm)	.187	1"		169902	169940
14" (356mm)	.220	1"		169908	169941
14" (356mm)	.250	1"		169914	169942

Joint widening blades do not have undercut protection

Joint Widening Spacer Size			Segment width (inches)	Part #
8" (203mm)	.032	1"	.125-.187	169943
8" (203mm)	.064	1"	.220-.250	169944

Undercut protection is available as special order on all blades.

