



SANDVIK D75KX ROTARY/DTH BLAST HOLE DRILL

TECHNICAL SPECIFICATION

The D75KX is a diesel powered, self-propelled crawler mounted drill designed for high-pressure down-the-hole or low-pressure rotary blasthole drilling in the mining industry. This drill is equipped to rotary drill 229 to 279 mm (9" to 11") diameter holes.

- Maximum hole depth 52.5 m (172' 4")
- First pass hole depth is up to 10.2 m (33')
- Pulldown is up to 334 kN (75,000 lbf)
- Bit load is up to 409 kN (92,000 lbf)



PERFORMANCE

	Metric	Imperial
Hole diameter	229 - 279 mm	9" - 11"
Maximum hole depth	52.5 m	172' 4"
First pass hole depth	10.2 m	33 ft
Drill pipe	10.7 m	35'
Maximum pulldown	334 kN	75,000 lbf
Maximum bit load	409 kN	92,000 lbf
Hoist rate	0 - 27 m/min	0-89 fpm

*Weights are approximate and subject to change without notice. All performance figures are theoretical and at 100% systems efficiency.

POWER GROUP

	Metric	Imperial
Engine Model	CAT C27 T3/T4	
Rated horsepower	652 kW	875 hp
Full load rpm	1,800 RPM	
Standard ambient range	-40°C + 50°C	-40°F +122°F
Fuel tank	2,274L	600 gal
High pressure	41.0 m³/min	1,450 scfm
DTH	24.1 bar	350 psi
Low pressure (std)	56.6 m³/min	2,000 scfm
Rotary	6.9 bar	100 psi

HYDRAULIC SYSTEM

	Metric	Imperial
Oil reservoir	872 L	230 gal
Reservoir pressurization	0.345 bar air, filtered breather	5 psi air, filtered breather

FRAME AND INTEGRAL JACKS

	Metric	Imperial
Main frame	CAD/FEA designed, wide flange beam main rails w/ heavy cross bracing reinforced at high-stress areas	
Walkways	Open grip strut, from cab to right deck & front to service cooler and air cleaners. Left side to service compressor receiver tank & dust control systems. Complete w/ handrails, kickplates & access ladders.	
Lifting hooks	Welded, 2 front, 2 rear	
Leveling Jacks	3 standard	
Pad diameter	762 mm	30"
Pad ground clearance (retracted)	533 mm front 533 mm rear	21" front 21" rear

UNDERCARRIAGE

	Metric	Imperial
Model	Sandvik S35HD	
Pad width	850 mm	33 1/2"
Pad type	Triple grouser	
Width over tracks	4260 mm	14'
Tram speed	2.3 km/h	1.4 mph

FEED

	Metric	Imperial
Feed type	Hydraulic cylinder and chain	
Chain adjustment	Hydraulic jack with pins & grease cylinder	

MAST

	Metric	Imperial
Construction	Rectangular tubing, welded w/beveled toe joints and recessed side members, and reinforcing in high stress areas. CAD designed.	
Pivot bushings	Replaceable alloy aluminum bronze	
Hydraulic lines	Pressure rated steel hydraulic tubing.	
Mast Raising cylinders	two	
Angle drill	0° to 30° in 5° increments	
Lubrication	Lubrication system for pulldown chains	

ROTARY HEAD (TWO-SPEED)

	Metric	Imperial
Rotary power	131 kW	175 hp
Standard rotary speed/torque	0-94 rpm 13,287 Nm	9,800 ft.lb
Standard rotary speed/torque	0-144 rpm 8,637 Nm	6,370 ft.lb
Bullshaft Thread	5 1/2" API REGULAR	

OPERATOR'S CAB

	Metric	Imperial
Certification	FOPS rated ISO 3449 Level II	
Sound level rating	80 dB(A) or less	
Operator's seat	Fully adjustable and swiveling with lap seat belt.	
Helper's seat	Fixed	

DUST SUPPRESSION

	Metric	Imperial
Water injection	2,271 l	600 gal
Dry dust collector	198 m³/min	7,000 cfm

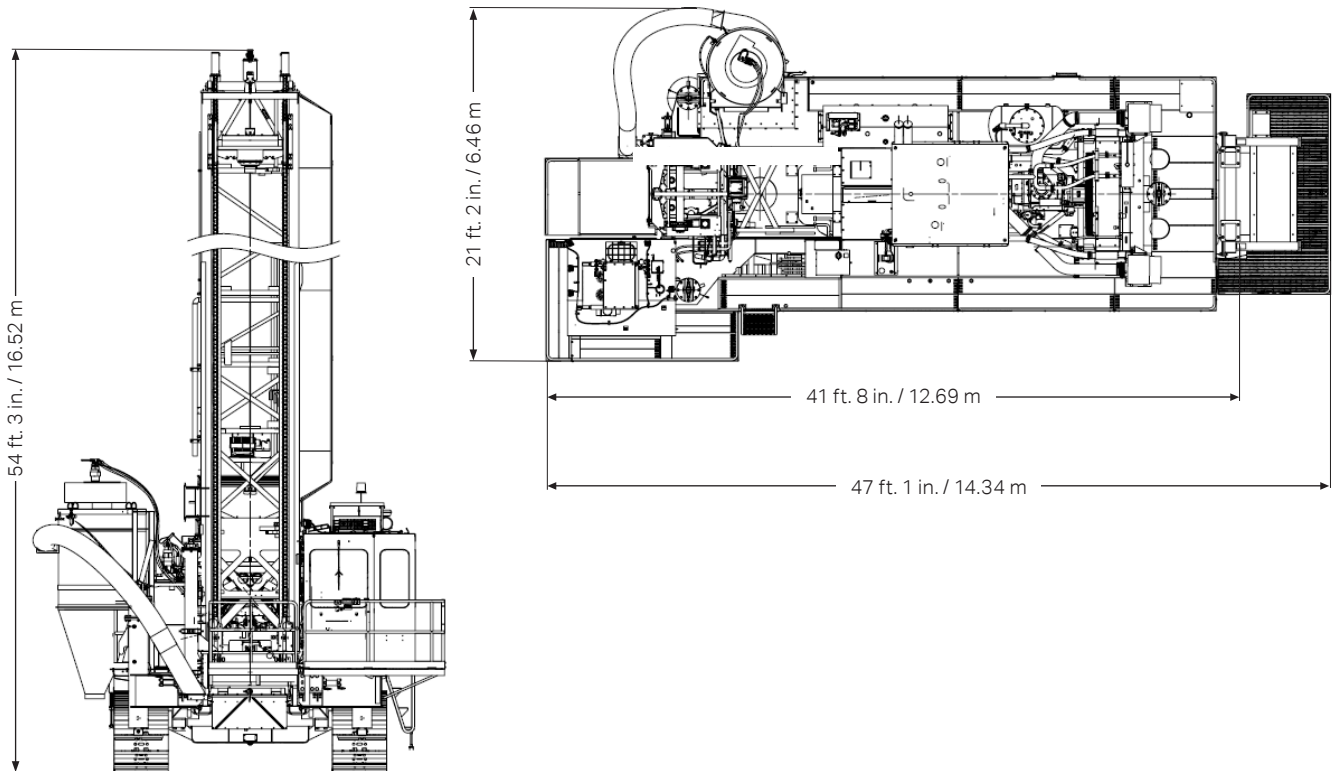
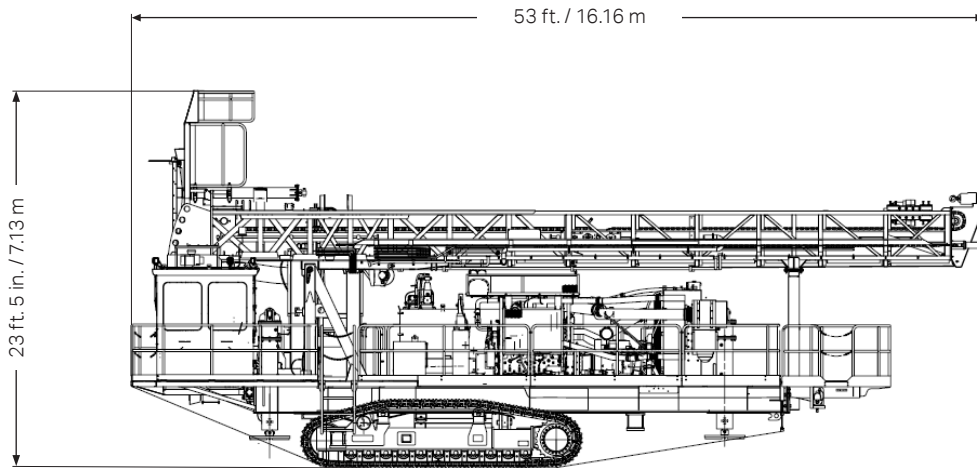
WEIGHT

Base unit less tools	68,000kg	150,000 lb
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Dimensions are per engineering drawings, actuals may vary slightly. Weights are approximate and subject to change without notice. All performance figures are theoretical and at 100% systems efficiency.

DIMENSIONS

	Metric	Imperial
Mast up height	16.52 m	54' 3"
Operating width (w/dust collector)	6.46 m	21' 2"
Mast down length	16.16 m	53'
Mast down height w/ work deck	7.13 m	23' 5"
Mast up length w/ GENSET	14.34 m	47' 1"
Mast up length w/o GENSET	12.69 m	41' 8"





Sandvik Mining and Rock Technology reserves the right to make changes to the information on this data sheet without prior notification to users. Please contact a Sandvik representative for clarification on specifications and options.

ROCKTECHNOLOGY.SANDVIK

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