



SANDVIK D25KX DTH BLAST HOLE DRILL

TECHNICAL SPECIFICATION

The D25KX is a diesel powered, self-propelled crawler mounted drill designed for high-pressure down-the-hole blasthole drilling in the mining industry. This drill is equipped to drill 127 to 203 mm (5" to 8") diameter holes.

- Maximum hole depth 27 m (88')
- First pass hole depth is up to 8.66 m (28' 5")
- Pulldown is up to 185 kN (41,500 lbf)
- Weight on bit up to 209 kN (47,000 lbf)



PERFORMANCE

	Metric	Imperial
Hole diameter (Std. Mast)	127 - 203 mm	5.00 - 8.00 in.
First pass hole depth	8,66 m	28' 5"
Max. hole depth	27 m	88 ft
Max. pull down force	185 kN	41,500 lbf.
Weight on bit	209 kN	47,000 lbf.

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

POWER GROUP

	Metric	Imperial
Engine options:		
CAT C15 (Tier 4) DTH	403 kW	540 HP
CAT C18 (Non tier 4) DTH	470 kW	630 HP
Compressor options:		
High Pressure (Non-Tier 4)	32.8 m³/min @24Bar	1160CFM @ 350 psi
High Pressure (Tier 4)	28.3 m³/min @6.9Bar	1000CFM @350 psi
Advanced Compressor Control	Standard	
Fuel tank	757 lit.	200 gal
Ambient operating range	-40°C to 50°C	-40°F to 122°F

HYDRAULIC SYSTEM

	Metric	Imperial
Reservoir capacity	568 lit.	150 gal.
Reservoir pressure	0.3 - 0.5 bar	5-7 psi

FRAME AND INTEGRAL JACKS

	Metric	Imperial
Main frame	Welded construction, wide flange I-beam main rails with heavy cross bracing and stiffeners	
Walkways	Steel grating with optional walkways available	
Leveling jacks - Standard	3, 1 at the mast rest end, 2 at the cab end	
Pad diameter	457 mm	18 in.
Pad to ground clearance Cab End	495 mm	19.5 in.
Pad to ground clearance Non Cab End	648 mm	25.5 in.

UNDERCARRIAGE

	Metric	Imperial
Model	Sandvik S25HD	
Track shoe width	600 mm	23.6 in
Track shoe type	Triple grouser	
Width over tracks	3,350 mm	14ft 4 in
Tram speed	3.5 / 6.2 kph	2.2 / 3.9 mph

FEED

	Metric	Imperial
Feed type	single Hyd. cylinder and chain drive	
Chain type	Heavy-duty roller type chains	
Rated pull down force	185 kN	41,500 lbf.
Feed down rate	31.7 m/min	104 ft/min
Rated pull back force	83.8 kN	18,850 lbf.
Feed up rate	35.7 m/min	117 ft/min
Chain adjustment	Rod & pin with portable manual hydraulic power unit	

MAST

	Metric	Imperial
Construction	Reinforced rectangular tubing, welded recessed side members	
Pivot bushings	Greaseable bronze bushing with heat treated alloy steel pins	
Mast Raising cylinders	2	
Angle drilling	0-30° for Standard mast	
Mast locking	2 hydraulic actuated pins	
Pipe loader	2 pod inside loader	

ROTARY HEAD

	Metric	Imperial
Rotary power		
Speed / torque High speed 175 rpm	5,383 N-m	3,970 ft-lbs
Speed / torque Low speed 114 rpm	8,287 N-m	6,110 ft-lbs
Bull shaft thread	5 1/2" API REGULAR	

OPERATOR'S CAB

	Metric	Imperial
Certification	FOPS as per ISO 3449 Level II	
Sound Level	83 dB or less	
Operator's seat	Fully adjustable and swiveling (180°) with adjustable height, lumbar support and pneumatic suspension, shoulder type 3 point seat belt	
Helper's seat	Flip up seat	

CONTROL SYSTEM

	Metric	Imperial
System	Electro-Hydraulic	

OPERATOR'S CONTROLS

	Metric	Imperial
System	In-seat drilling operation joysticks, rocker switches, & variable input switches. Multi-level GUI digital display screen, mounted on the left control	

DUST SUPPRESSION

	Metric	Imperial
Dry dust collector (Option)	127.5 m³/min	4,500 cfm
Water injection (w/ DC)	454 lit.	120 gal.
Water injection (w/o DC)	871 lit.	230 gal.
Water pump	34 lpm	9 GPM
Dust hood	Reinforced Rubber	

STANDARD FEATURES

	Metric	Imperial
Lighting	12 LED lights	
Thread lubrication	Electric operated from cab	
Cameras	2 for tramming 1 for pipe handling	
Safety features	Emergency Stops near all ladders and main elec. enclosurePull type cable stop on mast Fuel fill isolator on fluid service center	
Fluid service center	Remote fill points for: Fuel, Hyd. Oil, Central lube, Chain lube, Coolant	
Remote drain points for:	Engine oil, Hyd. Oil, compressor oil, coolant	
Strobe lights	2 (on Mast and on Frame)	
Oil Sampling	Live SOS sampling Points for engine, compressor, coolant, pump drive	

OPTIONS

	Metric	Imperial
Autoleveling	Jacking to level of machine	
Remote Tram	Wireless remote tram capability from outside the cab.	
Wash down	Pressure washer with hose reel	
Auxillary fuel tank	379 lit 100 gal	
Central Lube	68 lit / 18 gallon	

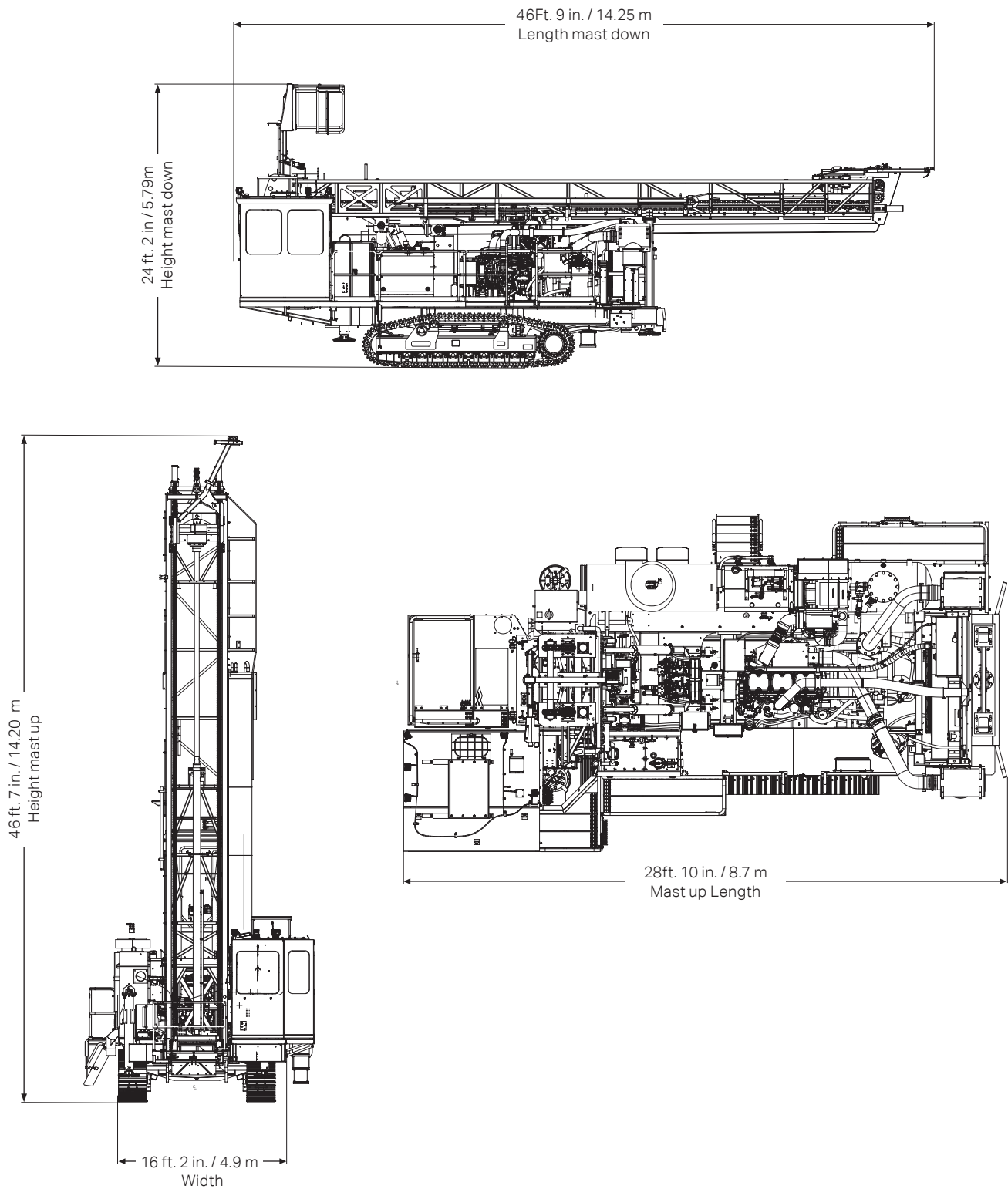
ARCTIC PACKAGE

	Metric	Imperial
Water tank heaters	NON-ELECTRIC (Exhaust water heat for Tier 3 power units) NON-ELECTRIC (Diesel fired water heat for Tier 4 power units)	
Cold Weather Group	- Hydraulic tank immersion heaters - Receiver tank immersion heater - Gearbox heater - Battery warmer - Engine oil pan immersion heater - Engine preheater - Engine ether injection system - Additional cab heater - Heated hammer lube	

DIMENSIONS

	Metric	Imperial
Length - Mast up	8.7 m	28 ft. 10 in.
Length - Mast down	14.25 m	46 ft. 9 in.
Height - Mast down	5.79 m	24 ft. 2 in.
Height - Mast up	14.20 m	46 ft. 7 in.
Width	4.9 m	16 ft. 2 in.
Operating weight	33.5 t	74,000 lb

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.



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