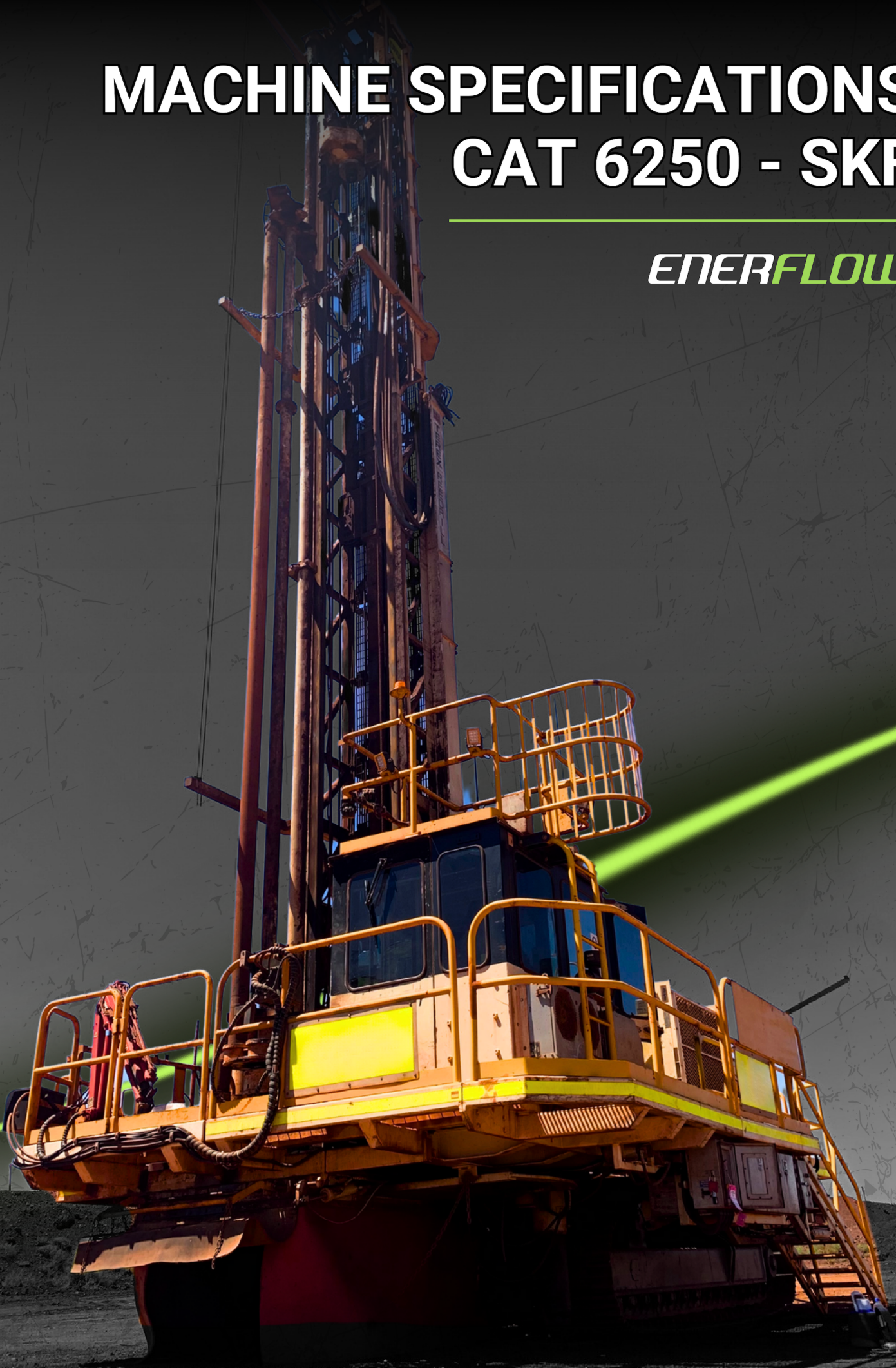


# MACHINE SPECIFICATIONS CAT 6250 - SKF

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*ENERFLOW*



Engine (Optional)	
Manufacturer	Cummins
Model	QST-30 (Tier I)
Rated horsepower	634 kW (850 hp) or 783 kW (1,050 hp)
Full load	2,100 rpm
Starting system	24 V DC
Safety shut-down system	Energized to run
Air cleaner	
Type	Dry-type with safety element
Model	SRG 29
Batteries	Four (4) 8-D
Muffler	127 mm (5 in) inlet and outlet
Muffler guard	10 ga. for personal protection
Jacket water cooling	Radiator
Fuel tank	1,325 l (350 gal), optional tank 1,571 l (415 gal)
Turbo and manifold covers	Blankets and/or exhaust wrap

**500psi**  
**1475CFM**  
**24/12 2.46 Ratio**

Compressor (Optional)	
Type (high pressure)	Oil-flooded, two-stage screw
Discharge air flow (sea level)	32.6 m <sup>3</sup> /min (1,150 cfm);
	38.2 m <sup>3</sup> /min (1,350 cfm);
	42.5 m <sup>3</sup> /min (1,500 cfm)
Max operating pressure	10.3/24.1/34.5 bar (150/350/500 psi)
Air cleaner	Dry-type with safety element/SRG 29



<b>Deck Wrench</b>	
Location	Drill deck
Wrench plate	7.62 cm (3 in) T1- Steel
Wrench positioning	Hydraulic cylinder
Impact means	Stationary jaw
<b>HOBO Break-Out Wrench</b>	
Location	Outside mast, under pipe rack
Support	Pivot
Wrench type	Patented HOBO (Hydraulically Operated Break-Out)
Power	Hydraulic Cylinders

<b>Pull-Down/Hoisting Capacity</b>	
Rated pull-down capacity	Up to 22,680 kg (50,000 lb)
Rated hoist capacity	Up to 22,680 kg (50,000 lb)
Feed rate	0-38.1 m/min (0-125 fpm)
Retract rate	0-38.1 m/min (0-125 fpm)
Pull-down cylinder stroke (12 meter)	726.94 cm (286.2 in)
Head travel (12 meter)	1,453.89 cm (572.4 in)
Type	Hydraulic
Number of cylinders	1 (stationary rod, moving barrel)
Cylinder bore	16.51 cm (6.5 in) diameter
Cylinder rod	10.16 cm (4 in) diameter
Cable type	1 in DYFORM 8
Nominal line tension	5 to 1 factor against working
Cable sheaves (cylinder)	40.64 cm (16 in) OD
Cable sheaves (top and bottom)	50.80 cm (20 in) OD
Sheave pins	5.10 cm (2 in) diameter with roller bearing
Sheave guards	Standard at bottom plate
Adjustable head guide shoes	Steel with replaceable Nylatron
Automatic cable tensioning system	Hydraulic cylinder, powered by fan circuit



<b>Rotary Drive System</b>	
Rotation speed	0-220 rpm
Torque	12,880 Nm max (0-9,500 ft-lb)
Horsepower capacity	138.7 kW (186 hp)
Gearbox	Casting design
Main thrust bearing	Taper roller
Lubrication	Oil-flooded
Gearing	Spur
Ratio	16:04 to 1
Drive motor	See Hydraulic

<b>Mast</b>	
Construction	ASTM 500 grade B rectangular tubing, welding
Main cord size	Front 20.3 cm x 10.1 cm x 0.6 cm (8 in x 4 in x 0.25 in); Rear 10.1 cm x 10.1 cm x 1.2 cm (4 in x 4 in x 0.5 in)
Pivot and raising area	Rectangular tubing "A" frame; reinforced in high-stress areas
Hydraulic lines	Pressure-rated steel hydraulic tubing
Hose rack	Sheet steel trough for moving hoses
Table hole diameter	27.9 cm (11 in) diameter deck hole for guide bushing
<b>Mast-Elevating Cylinders</b>	
Number of cylinders	2
Cylinder bore	20.32 cm (8 in) diameter
Cylinder rod	10.16 cm (4 in) diameter
Cylinder stroke	108.2 cm (42.6 in)
Lift capacity each cylinder	56,728 kg (125,065 lb) at 2,500 psi
Cylinder connections pins	5.71 cm (2.25 in) diameter

## STANDARD US CAB

<b>Operator's Controls</b>	
Location	Console at front and side cab wall, placed 45° to the deck
<b>Standard Engine Controls</b>	
Coolant temperature/high temperature shut-off, oil pressure, (low pressure shut-off), auto shut-down bypass, start button, stop button, tachometer, throttle control, engine hourmeter, fuel level, voltmeter	
<b>Standard Compressor Controls</b>	
Compressor temperature, air pressure gauge, air shut-off control (electric) (high air temperature)	