

HOW LOW CAN YOU GO?

CAT[®] AUTOMATED PLOW SYSTEM



A dark, industrial underground coal mine. The scene is dimly lit, with bright spotlights illuminating the rocky walls and floor. In the foreground, there are large, dark, rectangular blocks of coal or rock. In the background, a worker in a white protective suit and helmet is visible, standing near a piece of machinery. The overall atmosphere is gritty and industrial.

HIGHEST PERFORMANCE IN LOW COAL

For coal seams with an average height under 1.8 m (70 in),
plows are the system of choice for longwall mining.

CAT[®]

AUTOMATED CAT[®] PLOW SYSTEMS

... allow access to extended reserves in very low coal seams with a height of down to 0.6 meters – achieving high reserve recovery rates.



Plow body height 0.6 m – 1.6 m (24 – 63 in)
Typical cutting height 0.8 m – 1.6 m (31.5 – 63 in)
Coal hardness Soft – hard coal
Max. seam inclination up to 60°
Max. installed power 2 x 400 kW (2 x 540 hp)
Max. plow speed 2.5 m/s (500 fpm)
Max. cutting depth 150 mm (6.0 in)

CAT RHH800 Base-plate Plow

Cutting Height:
0.6 – 1.6 m (23.6 – 63 in)



Plow body height 0.75 m – 2.0 m (29.5 – 79 in)
Typical cutting height 0.8 m – 2.0 m (31.5 – 79 in)
Coal hardness Soft – hard coal
Max. seam inclination up to 60°
Max. installed power 2 x 400 kW (2 x 540 hp)
Max. plow speed 3.0 m/s (600 fpm)
Max. cutting depth 205 mm (8.1 in)

CAT GH800B Gliding Plow

Cutting Height:
0.75 – 2.0 m (29.5 – 79 in)



Plow body height 0.9 m – 2.0 m (35.5 – 79 in)
Typical cutting height 1.0 m – 2.0 m (39 – 79 in)
Coal hardness Soft – hard coal
Max. seam inclination up to 60°
Max. installed power 2 x 400 kW (2 x 540 hp)
Max. plow speed 3.0 m/s (600 fpm)
Max. cutting depth 180 mm (7.0 in)

CAT GH800 Gliding Plow

Cutting Height:
1.0 – 2.0 m (39 – 79 in)



Plow body height 1.0 m – 2.3 m (39.4 – 90.5 in)
Typical cutting height 1.1 m – 2.3 m (43 – 90.5 in)
Coal hardness Medium – extremely hard coal
Max. seam inclination up to 60°
Max. installed power 2 x 800 kW (2 x 1,080 hp)
Max. plow speed 3.6 m/s (720 fpm)
Max. cutting depth 250 mm (10.0 in)

CAT GH1600 Gliding Plow

Cutting Height:
1.1 – 2.3 m (43 – 90.5 in)



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