

02ESV36

02ESV56

02ESV60

scoops



Upgraded utility player for section productivity

Joy scoops are true utility players in your mine, handling multiple tasks such as maintenance, re-supply, clean-up and rock dusting. To help you get the job done with excellent operator comfort, lower maintenance and longer time between charges, consider the redesigned Joy 02ESV scoops — now with OptiDrive technology.

Quick benefits:

- Improved motor efficiency for increased motor life and enhanced tramming
- Robust axles and reducers with enhanced braking
- Improved operator ergonomics
- Color display with diagnostics and fault warnings

OptiDrive delivers many benefits

Adapted from other Joy machines and developed specifically for the 240-volt scoop, the OptiDrive system provides an enhanced operator experience, improves motor performance and can reduce maintenance and downtime. With fewer cable runs, it's easier to maintain and troubleshoot. New electronics eliminate switches, and the color display provides real-time operational and fault information. Additional drive input modules allow the OptiDrive control system to easily interface with third-party proximity detection systems.

Recommended seam height

Joy 02ESV36	91-160 cm (36-63 in)
Joy 02ESV56	142-211 cm (56-83 in)
Joy 02ESV60	142-211 cm (56-83 in)

Dimensions and general specifications

	02ESV36		02ESV56		02ESV60	
Length with bucket	8.7 m	28 ft. 8.13 in	9.17 m	30 ft. 1.13 in	10.95 m	35 ft. 11 in
Basic machine width	3.1 m	10 ft. 2.75 in	3.05 m	10 ft. 0 in	3.05 m	10 ft. 0 in
Wheel base	3.7 m	12 ft. 0 in	3.95 m	12 ft. 11 in	4.88 m	16 ft.
Basic frame height	50.8 cm	20 in	635 mm	25 in	635 mm	25 in
Batteries	158.4 kWh	660 Ah	214.8 kWh	930 Ah	286 kWh	1240 Ah
Est. weight with batteries	18,182 kg	40,000 lbs.	22,680 kg	50,000 lbs.	27,273 kg	60,000 lbs.
Tram motor (1 hr rating)	55.9 kW	75 HP	55.9 kW	75 HP	(2) 55.9 kW	75 HP
Tram motor (cont. rating)	37.3 kW	50 HP	37.3 kW	50 HP	(2) 37.3 kW	50 HP
Tram speed	0-8.0 kph	0-5 mph	0-9.65 kph	0-6 mph	0-9.65 kph	0-6 mph
Pump motor (1 hr rating)	26 kW	35 HP	26 kW	35 HP	26 kW	35 HP
Pump motor (cont. rating)	18.6 kW	25 HP	18.6 kW	25 HP	18.6 kW	25 HP
Breakout load rating	7,790 kg	20,868 lbs.	13,600 kg	29,983 lbs.	13,600 kg	29,983 lbs.
Lifting capacity	14,970 kg	40,118 lbs.	27,590 kg	(60,827 lbs.)	27,590 kg	60,827 lbs.
Steering angle	40° (each side)		40° (each side)		40° (each side)	
Inside turning radius	3.7 m	12 ft. 1.38 in	3.22 m	10 ft. 6.75 in	4.55 m	14 ft. 11 in
Bucket capacity	3.4 m ³	120 ft. ³	3.96 m ³	140 ft. ³	3.96 m ³	140 ft. ³
Ground clearance	22.9-33.0 cm	9-13 in	27.9-33.0 cm	11-13 in	38.1-43.2 cm	15-17 in

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