



QINGDAO EAGLELION ENGINEERING MACHINERY CO.,LTD

ELCY-2 2.0 cbm Diesel Scooptram LHD



I. Basic overview

- Adopting China made YTO 4110 Turbo engine power system, 81KW power, low emissions.reliable.
- Walking system uses the SHANTUI torque converter transmission,A gearbox applied to a large bulldozer provides reliable power transmission and quality..
- Operating system adopts pilot control, make work easier operation and higher efficiency.
- MEITONG brand wet brake axle ,Maintenance free axle.
- exhaust system uses a water filtration system, with a Canadian oxidation catalyst device greatly reducing the air pollution.
- Thickened reinforced frame,the bucket shovel blade made of high strength alloy steel, wear shear, V type structure, reducing the scooping resistance and longer life.
- Adopt smooth anti puncture narrow tire.Tire protection chains optional.
- The machine can make shoveling, loading, transportation and unloading in one job, have a smaller turning radius, compact structure, convenient operation, high efficiency operation for mining ore and Tunneling mucking, and site preparation work and construction of roads material transportation and other auxiliary operations.
- Optional:Wheel protection chains; Side dump bucket;

II. Specification

Model	ELCY-2
Main specifications	
Bucket capacity (m ³)	2
Rated load (t)	4.0
Weight (t)	12.06
Forward gear (km/h)	I 0-4.1 II 0-7.9 III 0-12



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Reverse gear	I 0-4.1 II 0-7.9 III 0-12
Max. climbing gradient	20°
Min. ground clearance(mm)	215
Dimensions	
Overall dimension (mm)	7140*1770*1900
Wheel base (mm)	2615
Max. dumping height(mm)	1985
Dumping reach (mm)	730
Min. turning radius(mm)outside	5550
Diesel engine	
Engine model	YTO LR4M3Z-22
Engine type	In-line, water-cooling, 4-stroke, 4cylinder, direct-injection
Rated power(kw)	81
Rated speed (r/min)	2200
Maximum torque /speed(N.m/rpm)	460/1300
Total exhaust of cylinder(L)	3.9
Type of starting	Electric start
Transmission system	
Torque converter	
Model	SAHNTUI
Type	Single stage, three elements
Gearbox	
Model	BED3313
Axle and tire	
Model	MEITONG CY2F/CY2R
Size of tire	12.00-24
Working device of hydraulic system	
Model of working pump	2080/GJ0010
Nominal displacement(ml/r)	80
Multi-way directional valve(Steering)	CHANGJIANG
Rated flow(L/min)	200
Pressure(Mpa)	16
Multi-way directional valve(Working)	CHANGJIANG
Rated flow(L/min)	200
Pressure(Mpa)	25
Brake system	
Reverse regulation brake valve	20-100-424 brand:LSAFIM
Type of brake	Multi disc friction brake