

Yatong CY3000

Аналог: Normet Utimec MF 350F, Normet Utimec MF 350 L

CY-3000 refueling truck

CY-3000 vehicle technical parameters

Serial number	Project	Unit	Parameter value
1	Rated number of people (including driver)	seat	2
2	curb weight	kg	9000
3	Dimensions: length × width × height	mm	7350 × 1800 × 2200
4	Largest traction	KN	≥80
5	braking method	working brake	hydraulically braked, spring released
		parking brake	Spring applied, hydraulically released
6	Gradeability (longitudinal)	°	16
7	Minimum ground clearance	mm	≥260
8	Braking distance	m	≤8
9	Diesel tank volume (refueling method: refueling at the top of the tank)	L	1500
10	Hydraulic oil tank volume (refueling method: refueling at the top of the tank)	L	600
11	Oil tank volume (refueling method: refueling at the top of the tank)	L	600
12	Lubricating oil tank volume (refueling method: refueling at the top of the tank)	L	300
13	Number of refueling guns	individual	4
14	Engine Emission Standards		National III emissions
15	Inner radius	mm	3600
16	Radius	mm	5900
17	Driving speed (full load)	forward gear	0-25
		reverse gear	0-25

Cab configuration

Serial number	Project name	Technical indicators	
1	cab	The cab complies with FORS and ROPS safety certification	
2	cab	Metal airtight cab, airtight with heating and cooling air conditioner	
3	Control device	Starting, steering, acceleration, braking, parking, gear shifting, lighting, air conditioning, etc.	
4	Control device Manipulation force (N)	steering wheel	≤50
		pedals	≤350
		Joystick	≤120
5	display instrument	Oil pressure gauge, voltmeter, water temperature gauge, engine tachometer, speedometer, fuel gauge, brake pressure gauge, etc.	

6	seat form	Air cushion seat, front and rear adjustable
7	Cab air conditioner	Heating and air conditioning
8	Reverse image	have

Diesel engine system

Serial number	Project name	Technical indicators
1	Specifications	QSC5.9
2	Cylinder arrangement	Inline
3	brand	Dongfeng Cummins
4	Rated power/speed (kW/rpm)	132/2200
5	Maximum torque ((N m)/speed (r/min)	800/1400
6	Direction of rotation (facing the flywheel)	counterclockwise
7	Minimum working stable speed (r/min)	800±50
8	Displacement (L)	5.9
9	Average fuel consumption rate (g/KWh)	206
10	Bore/stroke (mm)	114/135
11	Intake method	turbocharged, intercooled
12	exhaust method	Exhaust gas purification, noise reduction
13	fuel specification	No. 0 ~ -35 diesel oil
14	emission index	National III emissions

Walking parameters

Serial number	Project name	Technical indicators
1	Walking pump model	HPV135
2	Walking motor model	CMV115
3	Walking pump/motor manufacturer	Import Linde

Transmission system

Serial number	Project name	Technical indicators
1	transfer method	Hydrostatic transmission
2	Axle model (front/rear)	112/112
3	Axle ratio (front/rear)	23.5/23.5
4	Axle manufacturer (front/rear)	DANA
5	Tire specifications and models (front/rear)	10.00-20PR20
6	Tire manufacturer (front/rear)	Guizhou forward
7	Tire Type (Front/Rear)	pneumatic tire

Braking System

Serial number	Project name	Technical indicators
1	Brake type	wet brake
2	Displacement of brake pump (mL/r)/pressure (MPa)	14/20
3	working brake	Hydraulic Brake/Spring Release

4	Emergency/Parking Brake Type	Spring Applied/Hydraulic Released
5	Braking distance (20Km/h dry hard road) (m)	< 8
6	Brake system manufacturer	Mico
7	Emergency trailer	have

Steering hydraulic system

Serial number	Project name	Technical indicators
1	Steering	Articulated full hydraulic steering
2	Steering pump displacement (mL/r) / pressure (MPa)	50/20
3	factory	Danfoss

Lighting system

Serial number	Project name	Technical indicators
1	Type of headlight	LED high and low beams (with rigid protective lampshade)
2	brake light, turn signal	have
3	reversing lights	left and right

Sound Signal Warning Device

Serial number	Project name	Technical indicators
1	type	Electric horn
2	Operation method	Manual button on the steering wheel
3	Volume (dB(A))	Speaker sound pressure ≥ 75 at 40m
4	Sound warning for reversing	have
5	Reverse image	have

Exhaust gas purification

Serial number	Project name	Technical indicators
1	name	Exhaust gas purification device
2	Function	Three-way catalysis, black smoke purification

Automatic fire extinguisher

Serial number	Project name	Technical indicators
1	name	Engine automatic fire extinguishing system
2	Operation method	Cab manual handle
3	Capacity (L)	8

3. Design, manufacture and inspection standards

The design and manufacture shall comply with applicable national standards (GB), industry standards and enterprise standards .

"Safety Regulations for Metal and Nonmetal Mine"

"Safety Requirements for Underground Mining Trackless Wheeled Mine Carriers"

GB/T3766-2015 General rules and safety requirements for hydraulic transmission systems and their components
 AQ1043-2007 Mining product safety mark identification
 MT/T989-2006 General technical specifications for trackless rubber-tyred vehicles with mining diesel engines
 GB16423-2006 Safety regulations for metal and nonmetal mines
 GB 21500-2008 Safety requirements for trackless tire-type mining vehicles for underground mines
 GB/T13306-2011 Signage
 GB/T1147.1 Small and medium power internal combustion engines Part 1: General technical conditions)

4. Acceptance

I. Acceptance technical conditions

1) The performance of the vehicle must meet the following standard requirements:

"Safety Regulations for Metal and Nonmetal Mine"

"Safety Requirements for Underground Mining Trackless Wheeled Mine Carriers"

2) The main performance indicators of the vehicle must meet the requirements of this technical agreement and bidding documents.

2. Acceptance content

Party B shall provide Party A with the following inspection reports and certificates:

- 1) Vehicle performance test report.
- 2) Factory inspection certificate.

5. Product Warranty Period

The warranty period of the whole vehicle is 12 months or 2000 hours after the equipment has passed the acceptance inspection. Any quality problems during the warranty period will be resolved by the supplier free of charge (excluding damage caused by abnormal use and maintenance factors and accidents not caused by the vehicle) .

Serial number	Name say	Warranty period
1	Frame and upper body structural parts	12 months/2000 hours first come
2	Electrical systems, electrical devices and electrical sensors.	3 months (abnormal wear and tear damage is not covered by the warranty)
3	Diesel filter element, oil filter element, air filter element, various pressure gauges, liquid level gauge and some other wearing parts.	Not covered by warranty

6. Delivery

The delivery time and delivery method shall be executed according to the order contract.

7. This agreement becomes effective after both parties sign and seal it. If there are unfinished matters, both parties shall negotiate and Supplementary provisions shall be issued, and the supplementary provisions shall have the same effect as this agreement.

8, This agreement is made in quadruplicate, and Party A and Party B each hold two copies.

9. Matters not mentioned above shall be resolved through negotiation between the two parties.

10. The equipment of Party B comes with an electronic version of the instruction manual and spare parts manual.