

Full Specification Chart — 6 Models

Complete technical data for every self-loading concrete mixer truck we build, from 1.8 m³ to 4.5 m³.

PARAMETER	LM-F1800 1.8 M³	LM-S2600 2.6 M³	LM-F3500 3.5 M³	LM-S3500 3.5 M³	LM-S4000 4.0 M³	LM-A4500 4.5 M³
Tires	20.5-16 steel (2F+2R)	16/70-20 steel (2F+2R)	16/70-20 steel (2F+2R)	12R-22.5 steel (4F+2R)	12R-22.5 steel (4F+2R)	12R-22.5 steel (2F+2R)
Overall dimension L×W×H (mm)	6500×2350×2900	6650×2750×3200	8020×3000×3370	7550×3130×3250	7790×3130×3380	7930×3100×3630
Wheelbase (mm)	2500	2770	2706	2690	3100	2570
Tread (mm)	— *	— *	2150	2240	2150	2260
Operating weight (kg)	6000	7000	8200	8200	9100	9500
Drive	4WD	4WD	4WD	4WD	4WD	4WD
Max speed (km/h)	35	35	10–40	10–40	10–40	10–45
Max gradeability	35°	35°	35°/40°	35°/40°	35°/40°	35°/40°
Min turning radius (mm)	2355	2800	4400	4400	4400	5100
Min ground clearance (mm)	350	350	350	350	350	350
Loader bucket (m³)	—	—	0.65	0.65	0.70	0.70
Brake	— *	— *	Air brake	Air brake	Air brake	Air brake
Engine	Yuchai 4108 supercharged 65 kW **	Yuchai 4102 turbo YCD4J22T- 105, 77.3 kW	Yuchai 4105 turbo YCD4J22T- 115, 85 kW	Yuchai 4105 turbo, 85 kW	Yuchai 4108 turbo YCD4J22T- 125, 91 kW	Yuchai 4108 turbo YCD4P22T- 125, 91 kW
Optional engine	Cummins 4BTA3.9-C125-II, 93 kW — available on all models on request					
Transmission	ZL-265 torque converter	ZL-265 torque converter	ZL-300 torque converter	ZL-300 torque converter	ZL-300 torque converter	ZL-315 torque converter
Gears	4 forward / 4 reverse, dual					

PARAMETER	LM-F1800 1.8 M ³	LM-S2600 2.6 M ³	LM-F3500 3.5 M ³	LM-S3500 3.5 M ³	LM-S4000 4.0 M ³	LM-A4500 4.5 M ³
	high-low range (all models)					
Fuel tank (L)	100	120	120	120	135	180
Hydraulic capacity (L)	100	120	120	120	135	180
Engine oil (L)	16	16	16	16	16	16
Reducer	Borrego 230B closed loop (all models)					
Hydraulic pump	RuiZhi ChenCheng R140/80	RuiZhi ChenCheng R140/80	Rexroth	Rexroth	Rexroth	Rexroth
Hydraulic motor	Zhenjiang 160	Zhenjiang 200	Rexroth	Rexroth	Rexroth	Rexroth
Water tank (L)	600	600	800	900	950	2 × 380
Water supply	Time-relay metering with automatic shut-off (all models)					
Drum geometric volume (m ³)	2.6	4.0	5.5	5.5	6.8	7.0
Drum speed (rpm)	14–17	17	14–17	14–17	17	17
Concrete output per batch (m ³)	1.6	2.6	3.5	3.5	4.0	4.5
Output per hour (m ³ /h)	—	—	14–17.5	14–17.5	15.2–19	17.2–21.5
Discharge height (mm)	—	—	2100	2100	2350	2350

Notes

* Tread and brake specification for the 1.8 m³ and 2.6 m³ models are not stated in the source sheets — confirm with the factory before publishing.

** The 1.8 m³ source sheet lists two engines (Yuchai 4108 supercharged 65 kW / Yunnei 4100 YN33GBZ). Confirm the actual standard fitment.

Drum volume vs. output. The drum sits at a 19° tilt and cannot be filled to the top, otherwise concrete would spill from the mouth while mixing. That is why drum volume is always larger than the delivered batch — for example, the 4.0 m³ model has a 6.8 m³ drum and delivers 3.5–3.8 m³ per batch. We publish both figures so you can plan daily volume accurately.

Climbing. Full-load climbing of 35–40° is quoted in our sales documentation; the specification sheets state 35° (35°/40° on larger models). Use the specification-sheet figure.

Which model for which daily volume?

MODEL	DRUM VOLUME	OUTPUT PER BATCH	OUTPUT PER 10-H DAY	TYPICAL APPLICATION
LM-S2600 (2.6 m³)	4.0 m³	2.4–2.6 m³	80–100 m³	Village roads, small pours, tight access
LM-F3500 (3.5 m³)	5.5 m³	3.3–3.5 m³	110–140 m³	Irrigation canals, slope protection
LM-S3500 (3.5 m³)	5.5 m³	3.3–3.5 m³	110–140 m³	Best-selling model — roads, floors, general contracting
LM-S4000 (4.0 m³)	6.8 m³	3.5–3.8 m³	120–160 m³	Large daily pours, road projects, fleets
LM-A4500 (4.5 m³)	7.0 m³	4.0–4.3 m³	150–190 m³	Highest output — big infrastructure, remote works

Worked example. A road 10 km long, 6 m wide and 20 cm thick needs $10,000 \times 6 \times 0.2 = 12,000 \text{ m}^3$ of concrete. Two LM-S4000 machines pouring 300 m³ per day finish in about 40 days. Tell us your project and we will size the fleet for you.