

C SERIES CONCRETE
MIXER TRUCK



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C8

CONCRETE MIXER TRUCK

8 Core Technologies

- ◆ CB318 Cab designed especially for construction vehicles
- ◆ 8 Core Technologies
- ◆ Operator convenience by design

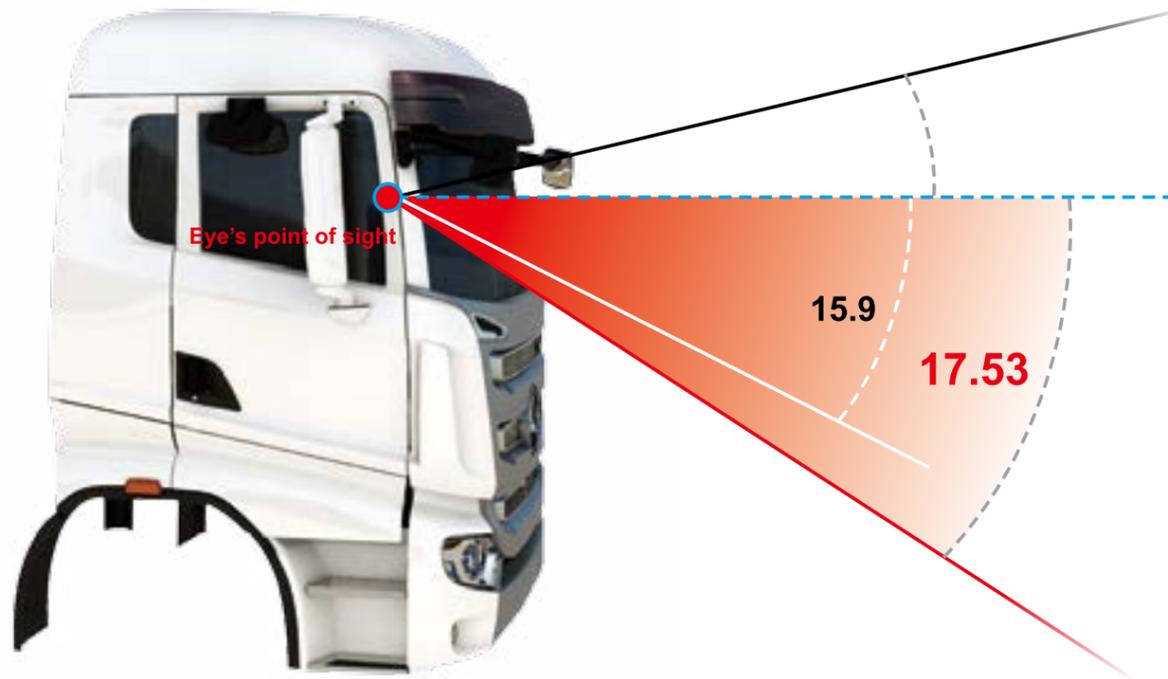


01 SPECIALISED CAB

◆ Safe and Secure

The specially designed cab is made using the newest robotic welding techniques and complies with the strictest front collision and top pressure regulations.

The instrument panel, mirror placement and overall design contribute to a field of view unparalleled in the industry.



◆ Built for the Driver



The four point shock absorbing mounting, double layer door sealing, and noise reduction technology built into the cab help reduce driver fatigue during those long days on the job. The interior trim of red and black exudes a sports car feeling to reduce visual monotony. Bluetooth technology with steering wheel controls allows hands free use of mobile devices (where permitted) to maintain contact with coworkers.



◆ Convenient ACCESS Maintenance

The cab tilts forward to allow easy access to engine and transmission for maintenance. The front mounted air conditioning components allows for ease of maintenance and repair, saving time and money.

◆ Attractive Styling

European/American Styling
The modern European/American styling of the cab accents gives a car like feel. The trim, instrument panel, and seats are of high quality materials.



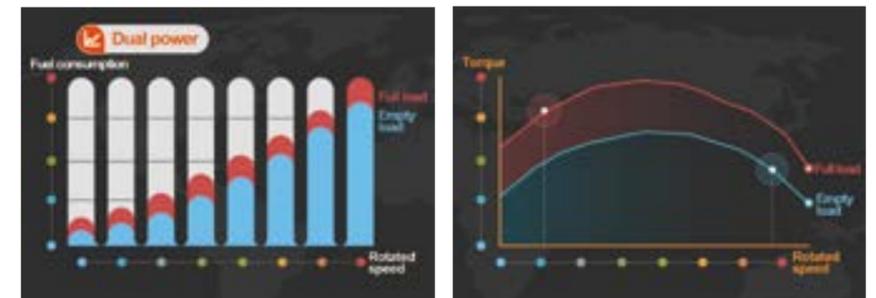
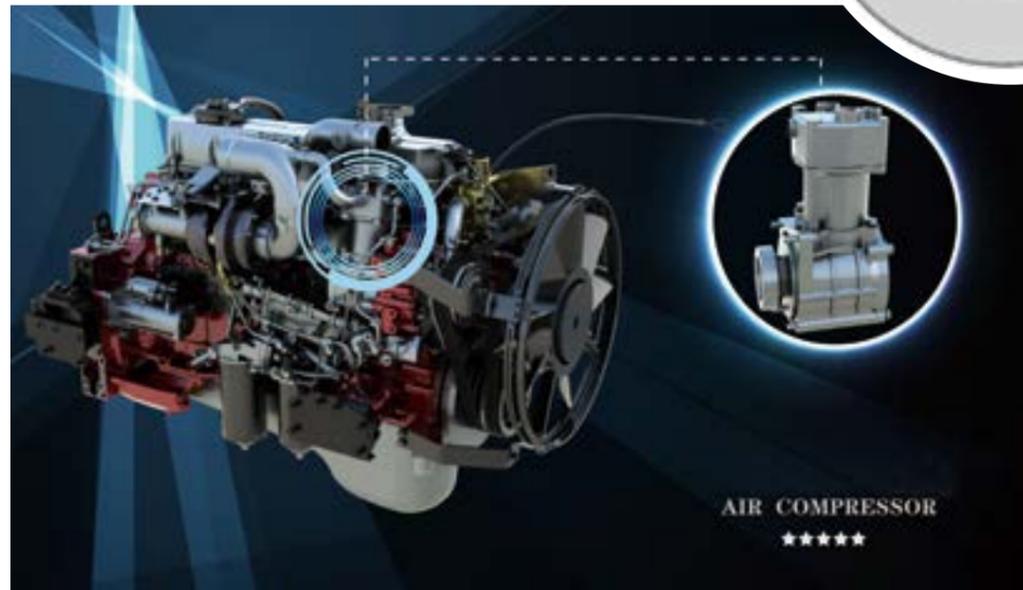
02 IMPROVED BRAKING TECHNOLOGY

By making full use of engine braking, braking distance has been reduced by 15% and brake lining wear is decreased by 50%. Sany uses a high volume air compressor, high quality piping, and new sealing technology that shortens air build up time quickens brake response time.



03 ENERGY-SAVING TECHNOLOGY

The engine dual power mode, coupled with the unique intelligent transmission's power matching technology results in a 10% fuel savings.



04 LOW DECK TECHNOLOGY

The truck is equipped with ultra-high strength integrated auxiliary frame, ensuring its stability and high strength. It can adapt to varied harsh conditions and improves its service life.



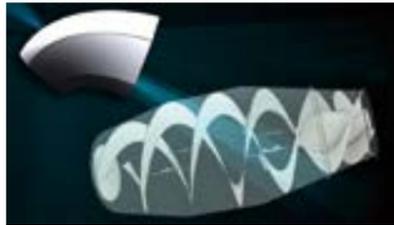
05 LEADING EDGE STEERING TECHNOLOGY

The large displacement power steering pump reduces operator effort by 40%. Optimizing chassis geometry and front axle steering angle reduces the turning circle by 15%.



06 ANTI-BUILDUP TECHNOLOGY

The three section blade provides an efficient discharge angle. The flushing device, an innovative front taper and ball-crown connecting structure are installed at the rear taper, in order to clear stagnant aggregate from the dead space, and to prevent aggregate from piling up at front and rear tapers,. Due to this, the residual rate at the discharge port declines to 0.4%.



Three-section folded blade



Innovative ball-crown structure



Rear taper flushing device setting



0.5%
Residual rate at the discharge port declines to

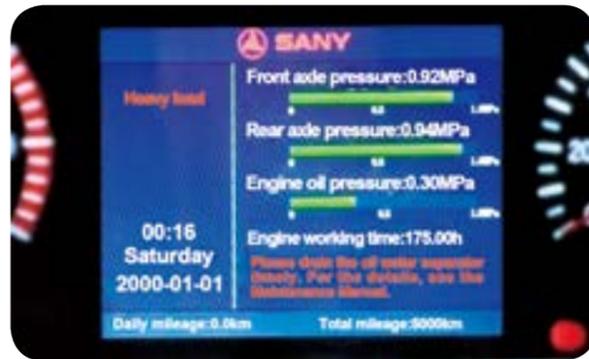
07 SMART OPERATING TECHNOLOGY

Each truck is equipped with a GPS system, which boasts five functions including truck monitoring, record/playback, alarm reporting, truck management, statistics and analysis. With this information you can keep abreast of the mixer truck's location, maintenance items, discharge, etc.



08 MAINTENANCE TIPS

Dashboard mounted monitor provides maintenance alarms for the truck's key components such as engine, axle, and transmission in order to facilitate maintenance scheduling.



More convenient details

◆ **HOPPER AND DISCHARGE CHUTE**
Spill free design.



◆ **CUP HOLDER AND STORAGE**

Cup holder and document storage compartment are provided for operator convenience.



◆ **PUSHBUTTON DOOR RELEASE**
A pushbutton door release is built into the door handle.



◆ **OPERATOR FRIENDLY CONTROLS**

Long actuating arm and rubber handle make the operation easy and comfortable



◆ **FOUR POINT FLUSHING MECHANISM WITH DRAINAGE PORT**

The four point flushing system is efficient and less labor intensive.



C SERIES MIXER TRUCK IS PRODUCED IN THE WORLD LARGEST CONCRETE MIXER TRUCK PRODUCTION LINE



TECHNICAL SPECIFICATIONS

Model		SY204C-6	SY306 C-6	SY306 C-8 (R)	SY308C-8
Overall Parameters	Crub Weight (kg)	7500	11620	13200	13000
	GVW (kg)	17100	26020	27600	32200
	Dimension (L×H×W) (mm)	7530×2320×3400	8030×2500×3700	8030×2500×3700	8700×2500×3820
	Wheel Base (mm)	4200	3025+1300	3025+1350	3225+1300
	Min. Ground Clearance (mm)	≥225	≥240	≥240	≥240
	Min. Turning Diameter (m)	16	16	16	16
	Fuel Consumption (L/100km)	21	35	35	35
	Braking Distance V0=30km/h (m)	≤9(Full load); ≤8.5(Empty load)	≤10(Full load); ≤9(Empty load)	≤10(Full load); ≤9(Empty load)	≤10(Full load); ≤9(Empty load)
Engine	Bore(mm)×Stroke (mm)	φ 108×115	φ112×130	φ112×130	φ112×130
	Displacement (L)	4.214	7.684	7.684	7.684
	Rated Power/Rev Speed (kW/RPM)	140/2800	202 /2200	202 /2200	202 /2200
	Max. Torque/Rev Speed (N.m/RPM)	450/1400-1700	1000/1500	1000/1500	1000/1500
	Emissions	Tier III /Tier IV			
Drum	Mixing Capacity (m³)	4	6	6	8
	Feeding Speed (m³/min)	≥1.5	≥8	≥8	≥8
	Discharge Speed (m³/min)	≥1	≥5	≥5	≥5
	Discharge Residual Rate	≤0.95%	≤0.5%	≤0.5%	≤0.5%
	Slump Scope (mm)	50 – 210	50 – 210	50 – 210	50 – 210
	Water Tank Capacity (L)	300	300	550	450
	Water Pressure (Mpa)	0.35-0.38	0.35-0.38	0.35-0.38	0.35-0.38
	Reduction Gear	T60	PMB6SP	PMB6SP	PMB6SP
	Hydraulic Pump	High-teck	Rexroth	Rexroth	Rexroth
	Motor	High-teck	Rexroth	Rexroth	Rexroth
Chassis	Battery	6-QW-120MF	6 – QW – 165MF	6 – QW – 165MF	6 – QW – 165MF
	Engine	Yuchai YC4D140-33	Hino J08E-VA	Hino J08E-VA	Hino J08E-VA
	Gear-box	WLY	Fast	Fast	Fast
	Front Axle	6T	5T	6.5T	5T
	Intermediate, Rear Axle	10T	2×10T	2×13T	2×10T
	Cab	Howo Cab	Qixing Cab	SANY Cab CB318	SANY Cab CB318
	Tires	9.00 R20 16RP	10.00R20	11.00R20	10.00R20
	Brake	Front:φ400mm×130mm, Rear:φ400mm×150mm	Front:φ400mm×130mm, Rear:φ410mm×180mm	Front:φ400mm×150mm, Rear:φ410mm×220mm	Front:φ400mm×150mm, Rear:φ410mm×220mm
	Air Reservoir	2×40L	2×60L	2×60L	2×60L
	Fuel Tank Capacity	170L	200L	200L	200L

Model		SY308 C-8(R)	SY308 C-8(R Dry)	SY310C-8	SY310C-8(R Dry)
Overall Parameters	Crub Weight(kg)	14000	13000	15400	14500
	GVW(kg)	33200	32200	39400	38500
	Dimension (L×H×W) (mm)	8600×2500×3880	8700×2500×3820	9450×2500×3985	9450×2500×3985
	Wheel Base (mm)	3225+1350	3225+1300	3720+1350	3720+1350
	Min. Ground Clearance (mm)	≥240	≥240	≥240	≥240
	Min. Turning Diameter (m)	16	16	16	16
	Fuel Consumption (L/100km)	35	35	35	35
	Braking Distance V0=30km/h (m)	≤10(Full load);≤9(Empty load)	≤10(Full load);≤9(Empty load)	≤10(Full load);≤9(Empty load)	≤10(Full load);≤9(Empty load)
Engine	Bore(mm)×Stroke (mm)	φ122×150	φ112×130	φ122×150	φ122×150
	Displacement (L)	10.52	7.684	10.52	10.52
	Rated Power/Rev Speed (kW/RPM)	240/2100	202/2200	240/2100	240/2100
	Max. Torque/Rev Speed (N.m/RPM)	1420/1100	1000/1500	1420/1100	1420/1100
	Emissions	Tier III /Tier IV			
Drum	Mixing Capacity (m³)	8	8	10	10
	Feeding Speed (m³/min)	≥8	≥8	≥8	≥8
	Discharge Speed (m³/min)	≥5	≥5	≥5	≥5
	Discharge Residual Rate	≤0.5%	≤0.5%	≤0.5%	≤0.5%
	Slump Scope (mm)	50-210	50-210	50-210	50-210
	Water Tank Capacity (L)	550	450	450	550
	Water Pressure (Mpa)	0.35-0.38	0.35-0.38	0.35-0.38	0.35-0.38
	Reduction Gear	PMB6.5SP	PMB6.5SP	PMB6.5SP	PMB6SP
	Hydraulic Pump	Rexroth	Rexroth	Rexroth	Rexroth
	Motor	Rexroth	Rexroth	Rexroth	Rexroth
Chassis	Battery	6-QW-165MF	6-QW-165MF	6-QW-165MF	6-QW-165MF
	Engine	Hino P11C-UH	Hino J08E-VA	Hino P11C-UH	Hino P11C-UH
	Gear-box	Eto	Fast	Fast	Fast
	Front Axle	6.5T	5T	7.5T	7.5T
	Intermediate, Rear Axle	2×13T	2×10T	2×13T	2×13T
	Cab	SANY Cab CB318	SANY Cab CB318	SANY Cab CB318	SANY Cab CB318
	Tires	11.00R20	10.00R20	11.00R20	11.00R20
	Brake	Front:φ400mm×150mm, Rear:φ410mm×220mm	Front:φ400mm×130mm, Rear:φ410mm×180mm	Front:φ410mm×160mm, Rear:φ410mm×220mm	Front:φ410mm×160mm, Rear:φ410mm×220mm
	Air Reservoir	2×60L	2×60L	2×60L	2×60L
	Fuel Tank Capacity	200L	200L	300L	300L

Model		SY310C-8(R)	SY412C-8	SY412C-8R
Overall Parameters	Crub Weight (kg)	14500	16500	16800
	GVW (kg)	38500	45300	45600
	Dimension (L×H×W) (mm)	9450×2500×3985	10800×2500×3985	10820×2500×3985
	Wheel Base (mm)	3720+1350	1700+3200+1350	1700+3800+1350
	Min. Ground Clearance (mm)	≥240	≥240	≥240
	Min. Turning Diameter (m)	16	20	20
	Fuel Consumption (L/100km)	35	45	45
	Braking Distance V0=30km/h (m)	≤10(Full load);≤9(Empty load)	≤10(Full load);≤9(Empty load)	≤10(Full load);≤9(Empty load)
Engine	Bore(mm)×Stroke (mm)	φ122×150	φ122×150	φ122×150
	Displacement (L)	10.52	10.52	10.52
	Rated Power/Rev Speed (kW/RPM)	240/2100	259/2100	259/2100
	Maxi. Torgue/Rev Speed (N.m/RPM)	1420/1100	1460/1100	1460/1100
	Emissions	Tier III /Tier IV	Tier III /Tier IV	Tier III /Tier IV
Drum	Mixing Capacity (m³)	10	12	12
	Feeding Speed (m³/min)	≥8	≥8	≥8
	Discharge Speed (m³/min)	≥5	≥5	≥5
	Discharge Residual Rate	≤0.5%	≤0.5%	≤0.5%
	Slump Scope (mm)	50-210	50-210	50-210
	Water Tank Capacity (L)	550	750	550
	Water Pressure (Mpa)	0.35-0.38	0.35-0.38	0.35-0.38
	Reduction Gear	PMB6.5SP	PMB7.1	PMB7.1
	Hydraulic Pump	Rexroth	Rexroth	Rexroth
	Motor	Rexroth	Rexroth	Rexroth
Chassis	Battery	6-QW-165MF	6-QW-165MF	6-QW-165MF
	Engine	Hino P11C-UH	Hino P11C-UJ	Hino P11C-UJ
	Gear-box	Fast	Fast	Fast
	Front Axle	7.5T	2×6.5T	2×6.5T
	Intermediate, Rear Axle	2×13T	2×13T	2×13T
	Cab	SANY Cab CB318	SANY Cab CB318	SANY Cab CB318
	Tires	11.00R20	11.00R20	11.00R20
	Brake	Front:φ410mm×160mm, Rear:φ410mm×220mm	Front:φ400mm×150mm, Rear:φ410mm×220mm	Front:φ400mm×150mm, Rear:φ410mm×220mm
	Air Reservoir	2×60L	2×60L	2×60L
	Fuel Tank Capacity	300L	300L	300L



