

SCM200-3C MILLING MACHINE



HIGH EFFICIENT

- ◆ Adopting the mechanical belt drive realizing the construction efficiency that is over 1.3 times higher than the hydraulic drive and about twice higher than the chain drive;
- ◆ Adopting the four-wheel hydraulic drive technology realizing the theoretical gradeability up to 75% and the maximum tractive force up to 9 t;
- ◆ Equipped with a hydraulic differential lock effectively controlling slippage.

RELIABLE

- ◆ Adopting the globally top-level drive belt that resists high temperature and shock because its strengthening layer is made of materials for flask vests;
- ◆ Adopting the imported conveying belt that has strong resistance to tension because it is made of special materials with abrasion-resistance technologies;
- ◆ Equipped with a water spraying system including a sturdy and durable iron water tank and an imported double-parallel-pump system;
- ◆ Adopting high-strength abrasion-resistant steel plates at key positions to ensure high strength and long service life of the machine.

HIGH PERFORMANCE

- ◆ Maximum milling depth of 280mm means that only a single pass is required to mill the surface course, binder course and base course.
- ◆ Having the minimum turning radius of only 0.78 m and able to complete

milling work in narrow areas;

- ◆ Having a rotor with a load ratio of 9.2 t/m and able to excellently complete the construction of concrete and modified asphalt roads and other hard roads;
- ◆ Equipped with a high and efficient quickly-disassembled conveying system in which the conveyor is 4.5 m high and can be disassembled only within 5 min.

INTELLIGENT

- ◆ Equipped with the pioneer integrated leveling system whose leveling effect to reach the globally top level and which is featured by a high integration level, friendly interface and easy operation;
- ◆ Having a comprehensive fault diagnosis function realizing automatic alarming and convenient troubleshooting.
- ◆ Equipped with intelligent equipment management system, convenient for the customers to check the working states based on real time.

QUICK MAINTENANCE

- ◆ Equipped with an engine oil level gauge, hydraulic oil level gauge, coolant level gauge and air filter alarm and designed visually to ensure that the daily check can be completed easily within 1 min;
- ◆ Equipped with centralized-arranged air, diesel and engine oil filter elements to ensure easy access and quick replacement.

Quality Changes the World.

SANY HEAVY INDUSTRY CO., LTD.

Technical specifications

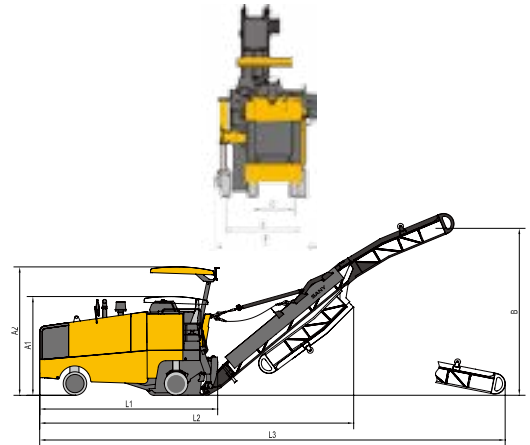
SCM200-3C Milling machine Technical Specifications

Model		SCM200-3C
Engine	Model:	Cummins QSB5.9-C210-30
	Efficient Mode	154KW/210HP/2200rpm
	Economic Mode	152kW/207HP@2000rpm
	Full-load Fuel Consumption (L/h)	34.5
Working Performance	Milling Width (mm):	1000
	Milling Depth (mm):	0~280
	Ground Clearance (mm)	320
	Working Speed at Gear 1 (m/min)	0-10
	Working Speed at Gear 2 (m/min)	0-20
	Working Speed at Gear 3 (m/min)	0-30
	Traveling Speed (km/h)	0-6
Weight	Transport Weight (kg):	15200
	Working Weight(kg):	15800
Tiers Specification	Rubber Solid Tiers (mm)	Φ620×255
Tank Capacity	Fuel Tank (L) :	400
	Hydraulic Oil Tank (L) :	80
	Water Tank (L) :	700
Conveying System	Belt Width (mm)	500
	Max. Conveying Height (mm)	4500

Dimensions	SCM200-3C
A1(mm)	2685
A2(mm)	3465
B(mm)	4585
C(mm)	1025
D(mm)	1900
E(mm)	2350
L1(mm)	4710
L2(mm)	8010
L3(mm)	12335

Note:

- 1) The working weight includes that of a half tank of water, a half tank of fuel, the operator (75 kg) and cutting tool;
- 2) When an electronic throttle is equipped, the engine can be controlled in the rated speed mode or the economic mode.



SCM200-3C Milling machine Standard and Optional Configuration

Model	Basic Configuration		Optional/Additional Configuration	
	Basic Configuration	Specification	Specification	Configuration Property
SCM200-3	Cummins + 4Wd + Mechanical Belt Drive + Milling Drum with the Standard Cutter Space + Mechanical Depthometer + Foldable Conveyor	Mechanical Depthometer	Automatic Leveling System	Optional
		/	Fine Milling Drum (One Milling Tooth in a Line)	Additional
		/	Fine Milling Drum (Two Milling Teeth in a Line)	Additional

SCM600-3 MILLING MACHINE



SUPERIOR RELIABILITY

- ◆ High strength, abrasion resistant steel plates at key positions provide long service life.
- ◆ At 850mm, the super-wide discharge conveyor allows a 25% increase in conveying capacity.
- ◆ Drive belts with the same material used in military flak jackets resist shock and high operating temperatures.
- ◆ Vibration level decreased by 50% means less wear and tear on machine components, thus more uptime for greater profitability.

HIGH PERFORMANCE

- ◆ Maximum milling depth of 330mm means that only a single pass is required to mill the surface course, binder course and base course.
- ◆ An advanced design, fork type enclosure allows an effective milling depth of 450mm on the right side, allowing flush-to-curb milling with no second pass needed.
- ◆ Both the 2.0m rotor (with a load ratio of 18.4t/m) and the 2.2m rotor (with a load ratio of 17.7t/m) can effortlessly handle concrete, modified asphalt, and other hard road surfaces.

INTELLIGENT OPERATION

- ◆ Three operating modes built in to accommodate customer requirements: economy, efficiency and milling quality.

- ◆ Intelligent conveyor belt control prevents damage from too fast or too slow belt speed.
- ◆ Single key, integrated control technologies, like operation pause/resume, reduce manual operation by 30%.
- ◆ Intelligent master control optimizes milling speed and reduce cutting tool abrasion.

EASY MAINTENANCE

- ◆ Top cover tilts back to 80° to reduce maintenance and repair time in the engine compartment by over 50%.
- ◆ Open style discharge conveyor reduces replacement time by 40%.
- ◆ Automatic locking and unlocking of tail door for enhanced efficiency and safety.

EASILY CONFIGURABLE

- ◆ Discharge conveyor height easily adjustable to 4.7m maximum and 45° right or left swing angle.
- ◆ Operator station shade easily slides 500mm to the right or left to avoid branches, signs or other obstacles when doing flush-to-curb milling.
- ◆ The bi-directional floating tail door ensures excellent material collection while milling soft or hard materials.

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SCM600-3 Milling Machine Technical Specifications

Model		SCM600-3
Engine	Model	Cummins QSX15-C600
	Fine Mode	447kW/600HP@2100rpm
	Efficient Mode	492kW/660HP@1900rpm
	Economic Mode	468kW/628HP@1700rpm
	Control Mode	Full electronic control
	Full-load Fuel Consumption (L/h)	109
Working Performance	Milling Width (mm):	2010/2200
	Milling Depth (mm):	0~330
	Flush-to-Curb Milling Depth (mm) :	0~450
	Travelling (milling) Speed (m/min):	0~84(0~5km/h)
	Ground Clearance (mm)	310
Weight	Transport Weight (kg):	34300/34900
	Working Weight (kg):	36300/36900
Track	Front Track (L×W×H/mm)	1852×300×665
	Rear Track (L×W×H/mm)	1852×300×665
Tank Capacity	Fuel Tank (L) :	1150
	Hydraulic Oil Tank (L) :	250
	Water Tank (L) :	3050

Note:

- 1) The working weight includes that of a half tank of water, a half tank of fuel, the operator (75 kg) and cutting tool;
- 2) The standard milling width is 2,010 mm.
- 3) An optional 2,200-m-wide milling drum can realize a stronger capability of flush-to-curb milling.

Dimensions	SCM600-3
W(mm)	15467
W1(mm)	14451
W2(mm)	11834
L(mm)	8051
B(mm)	4700
A(mm)	3280
A2(mm)	3150
X1(mm)	2160
X2(mm)	2660
E(mm)	2837
F(mm)	2300
A1(mm)	4377
C(mm)	1400



SCM600-3 Milling Machine Standard and Optional Configurations

Model	Basic Configuration		Optional/Additional Configuration	
	Basic Configuration	Specification	Specification	Configuration Property
SCM600-3	American Cummins Engine + SYMC Electronic Control System + Milling Drum with 2.0-M Standard Space + Two Longitudinal Gradient Leveling Sensors and One Cross Gradient Leveling Sensor	2.0m Milling Drum SYD1070L-2010LA15T162K-PF303-A	2.2m Milling Drum SYD1070L-2200LA15T174K-PF303-A	Optional
		/	2.2-m Fine Milling Drum (one tooth in a line)	Additional
		/	2.0-m Fine Milling Drum (two Teeth in a Line)	Additional
		/	2.2-m Fine Milling Drum (One Tooth in a Line)	Additional
		/	2.0-m Fine Milling Drum (Two Teeth in a Line)	Additional