Ref. XM1305F_DS_EN_V2026.01

XM1305F



XM1305F

Road Milling Mechinery

XM1305F milling machine is a kind of front-conveying medium-sized milling machine with high performance, which is mainly used for excavation and renovation of asphalt concrete pavements of highways, urban roads, airports, freight yards, parking lots, etc. It can efficiently remove road congestion, waves, mesh patterns, ruts, etc.; excavate the pavement pits and trenches; roughen the cement pavement and mill the surface faulting.

This machine adopts various advanced technologies of intelligent control, limit load, water sprinkling intelligent control, engine high temperature protection and construction data management etc. It is a kind of pavement maintenance equipment with advanced technologies, high working efficiency, convenient operation and high reliability.

XM1305F
Cold Milling Machine

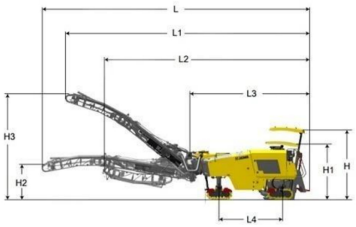
Performance and characteristics

- Shangchai 9DK series engine with big power reserved is used in conjunction with the mechanical belt drive system to ensure strong driving force under heavy-duty conditions;
- The automatic leveling system with high accuracy collects the depth signal through the intelligent cylinders of the two side plates, and is highly integrated with the displayer and controller of the main unit for convenient operation, quick response and high leveling accuracy, thus mitigating the operation intensity of the operator.
- It is equipped with four-track hydraulic driving traveling system and hydraulic differential lock, which ensures the optimal traction performance without lowering the working speed of the machine.
- The XCMG patented quick-change tool apron system has small cutting resistance, high wear resistance and more convenient replacement;
- The right rear wheel can be conveniently swung to the front of the milling rotor with the hydraulic cylinder to implement the work near the sides.
- It is equipped with multiple optional devices such as vacuum dedusting, high-definition camera system and lateral slope leveling system etc. to satisfy the work requirements under different conditions.

Main dimensions

Unit: mm

Model	L	L1	L2	L3	L4	H	H1	H2	H3	W	W1	a1	a2
XM1305F	13600	12700	10860	6500	3315	3700	3000	1700	5100	2800	2280	60	60





Main specifications

Item	Content	Unit	XM1305F
Milling drum	Milling width	mm	1300
	Milling depth[1]	mm	300
	Space between tools	mm	18
	Quantity of tools		106
	Drum diameter including tool	mm	980
Engine	Manufacturer		SDEC
	Model		SC9DK280G3
	Cooling mode		Water-cooling
	Number of cylinders		6
	Rated power	KW/rpm	206/2200
	Displacement	L	8.8
	Full-load fuel consumption	L/h	47.5
	Comprehensive fuel consumption	L/h	20
	Emission standard		EU Stage 3a/CN Stage 3
Electric system	Voltage	V	24
Tank volume	Fuel tank	L	480
	Hydraulic oil tank	L	120
	Water tank	L	1600
Traveling performance	Working speed	m/min	0-30
	Traveling speed	km/h	0-5
	Theoretic gradeability	%	80
	Ground clearance of milling drum	mm	300
Tracks	Dimension of front track	mm	1330×260×550
Conveying of milling material	Width of conveying belt	mm	600
	Width of aggregate belt	mm	600
	Theoretic conveying capacity	m^3/h	176
	Swinging angle of conveying belt	°	±60
	Conveying height	mm	5100
	Transportation dimension of main unit (L×W×H)	mm	10860×2280×3000
Machine mass	No-load mass	kg	20500
	working mass	kg	22000

[1] The maximum milling depth may differ from the above values due to wear and error;

Notes:
Specifications and configurations may vary depending on options and regional regulations. XCMG reserves the right to make changes to specifications without prior notice.

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