SANY®

FORGING THE FUTURE TOGETHER

三一移动圆锥式破碎站 SANY Mobile Cone Crusher

SC11 / SC13 系列 Series

连续稳定 · 动力多样 · 可靠性高 · 智联高产

Consistent Performance · Flexible Power Options · Proven Reliability · Intelligent Multi-Machine Coordination for Higher Output

动力系统
Power System

大马力冗余设计，应对冲击不掉速、重载不冒黑烟
High-Power Reserve · No Speed Drop Under Impact· No Black Smoke at Heavy Loads
工作模式下全电驱动，负载自适应最佳油耗，动力模块化，配件通用性高
Electric Drive in All Working Modes · Load-Adaptive Control for Optimum Fuel Consumption · Modular Power System · High Parts Commonality
油电双动力，高效节能
Dual Power: Diesel & Electric · High Efficiency, Lower Fuel Costs

破碎系统
Crushing System

大功率驱动，破碎能力更强，产能更高
High-Power Drive · Greater Crushing Capacity · Higher Throughput
多种腔型可选，满足不同工况要求
Multiple Crushing Chamber Configurations · Adaptable to Different Applications
料位、压力、油温等多种传感器检测，确保主机高效稳定运行
Multi-Sensor Monitoring of Chamber Level, Pressure & Oil Temperature · Stable, Efficient Crusher Operation

给料皮带机
Belt Feeder

根据主机料位感应自动匹配给料速度，确保圆锥主机始终在高效区间运行
Automatic Feed Rate Adjustment Based on Crusher Chamber Level · Keeps the Cone Crusher Operating Efficiently
除铁器 + 金属探测仪，高效去除铁质杂物，双重保护主机，确保运行稳定
Magnetic Separator + Metal Detector· Efficient Tramp Iron Removal · Dual Crusher Protection· Stable Operation



筛分返料模块
Screen Recirculation Module

高效筛分返料模块,确保出料粒度稳定 , 产成品质量高
Efficient Screening & Recirculation· Consistent Product Size · High-Quality Finished Aggregates
电机直驱振动器，相比液压能效提升 20%
Motor direct-driven vibrator: 20% higher energy efficiency compared with hydraulic drive

控制系统
Control System

图形化触控 HMI，操作简便，5 分钟可上手
Graphic Touch HMI · Simple Operation, Masterable in 5 Minutes · Easy to Use
选配多机智联模块，转场自动组网，多机协同打料，故障应急联锁停机，产能提升 15%
Optional Intelligent Multi-Machine Coordination Module · Automatic Networking after Relocation · Coordinated Crushing · Interlocked Shutdown on Faults or Emergencies · 15% Higher Throughput
全周期预测性诊断维护，提升出勤率，并可降低突发性停机
Full-Cycle Predictive Diagnostic Maintenance· Higher Availability, Reduced Unplanned Downtime

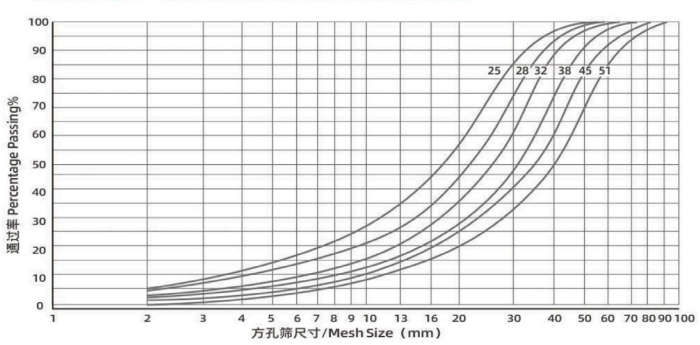
重载底盘
Heavy-duty Track Undercarriage

与三一挖机履带底盘技术同源，经久耐用，配件与挖机通用
Built on SANY Excavator Undercarriage Technology · Durable Construction· Parts Interchangeable with SANY Excavators
高低速行走模式，面对不同路况都具备良好的爬坡转向能力
Two-Speed Travel · Excellent Gradeability & Steering across Varied Terrain

技术参数
Technical Specifications

序号 Item	主要参数 Main Parameters	SC11 系列 Series	SC13 系列 Series
	运输参数 Transportation Parameters		
1	展开尺寸（长×宽×高）Unfolded dimensions (L × W × H)	21.5 x 3.3 x 4.2 m	22.0 x 3.5 x 4.5 m
	运输尺寸（长×宽×高）Transportation dimensions (L × W × H)	18.5 x 3.3 x 3.9 m	19.5 x 3.5 x 4.0 m
	整机重量 Weight	50 - 56 t	58 - 65 t
	给料系统 Feeding System		
2	料斗容积 Hopper volume	6 m^3	6 m^3
	皮带宽度 Belt width	1200 mm	1200 mm
	皮带驱动方式 Belt drive type	变频调速 VFD Speed Control	变频调速 VFD Speed Control
	主皮带机 Main Conveyor		
3	皮带宽度 Belt width	1200 mm	1200 mm
	卸料高度 Discharge height	3800 mm	3800 mm
	破碎系统 Crushing System		
4	通过量 Capacity	150 - 300 t/h	200 - 400 t/h
	主机功率 Crusher power	250 kW	315 kW
	最大进料口尺寸 Maximum feed opening	211 mm （C腔 C Chamber）	252 mm （C腔 C Chamber）
	排料口范围 CSS range	19 - 45 mm （C腔 C Chamber）	25 - 50 mm （C腔 C Chamber）
	动力系统 Power System		
5	品牌规格 Brand specifications	DEUTZ 13T	DEUTZ 13T / 17T
	排放等级 Emission level	欧三/国四/欧五 EU Stage III / China Stage IV / EU Stage V	欧三/国四/欧五 EU Stage III / China Stage IV / EU Stage V
	发动机功率 Power	527 kW @ 1800 rpm	562 kW @ 2100 rpm / 565 kW @ 1900 rpm
	行走系统 Traveling System		
6	行走速度（高/低）Traveling speed (high / low)	1 km/h / 0.3 km/h	1 km/h / 0.3 km/h
	最大爬坡能力 Maximum climbing capacity	12° 21.3%	10° 17.6%
	选配 Options		
7	可选模块 Optional	高温气候套件 Hot Climate Kit	多机智联 Intelligent Multi-Machine Coordination
		低温气候套件 Cold Climate Kit	手动除铁器 Manual-clean Magnetic Separator
		终筛返料系统 Final Screen Return System	主机正压除尘系统 Main Unit Positive Pressure Dust Suppression System

破碎粒度曲线图
Crushing Gradation Curve



应用场景
Application Scenarios



矿山
Mining



骨料
Aggregate



固废回收
Solid Waste Recycling

* 实际产量取决于应用工况（来料、硬度、级配、密度、含水率、排料口大小等）
* Actual output depends on application conditions (feed material, hardness, gradation, density, moisture content,discharge opening size, etc.)

Reminder:
Any change in the technical parameters and configuration due to product modification or upgrade may occur without prior notice. The machine in the picture may include additional equipment. This brochure is for reference only, and goods in kind shall prevail.
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