SANY®

FORGING THE FUTURE TOGETHER

三一移动反击式破碎站 SANY Mobile Impact Crusher

SI 11 / SI 12 系列 Series

高产高效· 可靠性高 · 油电两用 · 能耗更低

High Output & High Efficiency · High Reliability · Diesel & Electrical Power Options · Lower Energy Consumption

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
Electric Drive in All Working Modes · Load-Adaptive Control for Optimum Fuel Consumption
油电双动力，高效节能
Dual Power: Diesel & Electric · High Efficiency, Lower Fuel Costs

破碎机系统
Crusher Main Unit

破碎机双腔结构，配置高精度重型转子体，破碎效率提升 15%
Dual-chamber crusher structure equipped with high-precision heavy-duty rotor, delivering 15% improvement in crushing efficiency
整体式渐开线上下反击板，确保破碎骨料针片状少、粒型更优。
Integral Upper and Lower Impact Aprons with Involute Profiles Help Reduce Flaky and Elongated Particles for Superior Aggregate Shape

折叠式受料斗
Foldable Hopper

专利三斗互锁结构，结构更稳定，操作维保更便捷
Patented Three-Plate Interlocking Hopper · Enhanced Stability · Easier Operation & Maintenance
多折弯高强度侧板，可扩容，转运可折叠
High-Strength Side Plates with Multiple Bends · Expandable Capacity · Foldable for Transport



终筛筛分系统
Final Screening System

针对不同工况可选单层 / 双层筛分机，高效筛分
Single-deck / double-deck screen is optional for different working conditions for high-efficiency screening
侧板振动电机相比液压能效提升 20%
Side-mount motor-driven exciter delivers 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
Lifecycle Predictive Diagnostics & Maintenance · Higher Uptime · Fewer Unplanned Shutdowns

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
SANY Excavator Track Homology · Durable Construction, Interchangeable Parts
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
High/Low-Speed Travel Modes · Excellent Climbing & Steering on Different Ground Conditions.High-Strength Steel Frame · Built to Last

给料预筛系统
Feeding & Pre-Screening System

给料速度自适应，大振幅激振器实现原料高效流动，给料与预筛同步完成
Adaptive Feed Rate · High-Amplitude Exciter for Efficient Material Flow · Simultaneous Feeding & Pre-Screening
应对细料含量多的原料，可选配独立式预筛提效，减少主机磨损更节能
Optional Independent Pre-Screen for Fines-Rich Material · Higher Efficiency · Reduced Crusher Wear & Energy Consumption

技术参数
Technical Specifications

序号 Item	主要参数 Main Parameters	SI 11 系列 Series	SI 12 系列 Series
	运输参数 Transportation Parameters		
1	展开尺寸（长×宽×高）Unfolded dimensions (L × W × H)	20.0 × 5.95 × 5.0 m	21.0 × 6.1 × 5.0 m
	运输尺寸（长×宽×高）Transportation dimensions (L × W × H)	18.5 × 3.2 × 3.8 m	19.5 × 3.3 × 3.9 m
	整机重量 Weight	54 - 63 t	58 - 67 t
	给料系统 Feeding System		
2	料斗容积 Hopper volume	6 m^3	6 m^3 / 9 m^3
	皮带宽度 Belt width	500 mm	500 mm
	一体式震动给料机 Integrated vibrating feeder	2 x 5 kW	2 x 5 kW
	最大给料粒径 Max feed size	500 mm	600 mm
	最大给料能力 Max feeding capacity	350 t/h	450 t/h
	预筛筛网层数 Number of pre-screening sieve layers	2	2
	装料高度 Loading height	4150 mm	4150 mm
	装料宽度 Loading width	2800 / 4100 mm	2800 / 4100 mm
	主输送皮带 Main Conveyor		
3	皮带宽度 Belt width	1200 mm	1200 mm
	卸料高度 Discharge height	3400 mm	3400 mm
	功率 Power	15 kW	15 kW
	破碎系统 Crushing System		
4	通过量 Capacity	150 - 350 t/h	150 - 450 t/h
	主机功率 Crusher power	200 kW	250 kW
	进料口尺寸 Feed opening	1100 x 800 mm	1300 x 900 mm
	排料口范围 CSS range	20 - 100 mm	20 - 100 mm
	驱动方式 Drive mode	电动机 Electric Motor	电动机 Electric Motor
	终筛分机 Crushing System		
5	筛层数 Number of decks	1	1
	筛面面积 Screen area	5.5 m^2	6.5 m^2
	外形尺寸 Overall dimensions	1500 x 3700 mm	1500 x 4500 mm
	返料皮带机宽度 Width of return conveyor	500 mm	500 mm
	动力系统 Power System		
6	品牌规格 Brand specifications	DEUTZ 13T	DEUTZ 13T
	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	452 kW @ 1500rpm	562 kW @ 2100rpm
	行走系统 Traveling System		
7	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		
8	可选模块 Optional	高温气候套件 Hot Climate Kit	侧送料系统（预筛）Side Feeding System (Pre-Screen)
		低温气候套件 Cold Climate Kit	独立预筛 Independent pre-screen
		自动除铁器 Auto Magnetic Separator	钢质卸料斗 Final Screen Recirculating System
		终筛返料系统 Final Screen Recirculating System	多机智联 Intelligent Multi-Machine Coordination
		主输送皮带机和细料皮带机的防护罩 Guards for Main Conveyor & Fines Conveyor	

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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