

FRAC

225 / 265





21 Years of Experience

Start to Success, Together

With over 21 years of expertise, Taurian™ has established itself as a leading Indian manufacturer of crushing and screening equipment for aggregates, mining, and mineral processing. The name Taurian™ stands for excellence and reliability globally.

Founded by industry experts, Taurian™ has evolved from a family business to India's only public limited company in its field. Focused on long-term value and quick ROI, Taurian™ has strategic partners with top U.S. and European firms to deliver superior products that meet global industry standards.

Whether you're an experienced veteran or new to the industry, Taurian™ offers extensive support to the global aggregate market through its leading brands, including Taurian MPS™, Terratrak™, Cyclowash™ and Stackmax™.

ENGINEERED FOR COMPLETE SAND PROCESSING

- Slurry Box**
Fully enclosed, sealed and rubber lined wash box.
Easily replaceable rubber lining.
Water saturation of material.
Targeting of material at rear of screenbox maximising screening area.
- Main Tank**
Large inspection door(s) on tank
Large volume sump tank with overflow box, baffle plates, pump protection system and drain ports
- Sand Conveyors**
37ft (11.3m) sand conveyors
Automated Radial
20° incline
Stockpile capacity 575yd³ (440m³)
High-quality polyurethane scraper
100ft (30.5m) conveyor option
- Rinser Screenbox**
Choice of 2 deck or 3 deck
Patented iso-spray technology for flexibility
Integrated sealed subframe and catchbox
Aggregate blending chute
- Pumps**
All pumps have replaceable rubber liners for extended wear life
Roll-out pump feature for easy maintenance
- Dewatering Screen**
Dual and single sand options up to 200TPH
High-frequency dewatering screen delivering superior moisture reduction



- Aggregate Conveyors**
37ft (11.3m) aggregate conveyors
Positioned to the left or right
18° incline
Stockpile capacity 125yd³ (95m³)
High-quality polyurethane scraper
Galvanised undercarriage
- Hydrocyclones**
Customizable configuration for unrivaled cut point control
100% rubber lined
Replaceable drop in liners
- Feed/Hopper**
Adjustable door for inspection
Large capacity hopper 12m³
Radio controlled tipping grid
Vibrating grid option
Variable speed belt feeder
- Main Conveyor**
41 inch (1050mm) wide belt
Galvanised undercarriage
Overband magnet option for removing ferrous materials in recycling operations
- Walkways**
Galvanised walkways
30 inch (760mm) wide walkway

FRAC SYSTEM **FLOW OVERVIEW**

- Raw material feed from feed conveyor
- Slurry flow carrying sand and water
- Dewatered sand discharged for stockpiling
- Cyclone overflow directed to water treatment
- Dewatering screen underflow returned to the sump tank

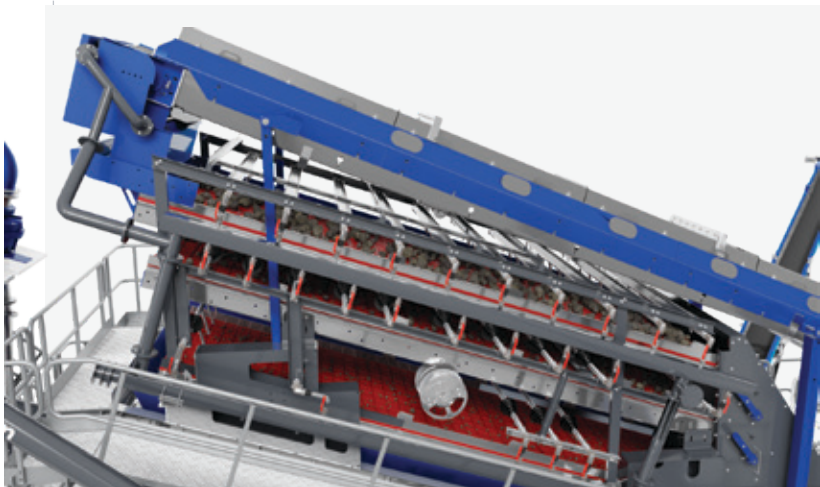
Raw feed is progressively washed, screened and classified through the frac circuit, with hydrocyclones separating fines by centrifugal force and dewatering screens removing excess moisture before final stockpiling. Process water and fine slurry are directed through controlled return and overflow streams for efficient recirculation and water management.



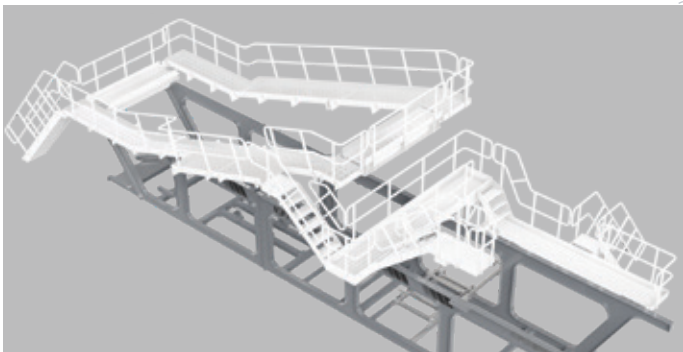
FEATURES

Adjustable Screen

- 20' x 6' screening area for high-capacity classification
- 2- or 3-deck configuration for multiple sand fractions
- Optimised 18° working angle for controlled material flow
- Independent spray bars for effective washing across each deck
- Mesh or polyurethane modular decks to suit application needs
- Rubber-lined wash box and chutes for improved wear life
- Integrated blending arrangement for product grading flexibility
- HMI-monitored water pressure for consistent wash performance

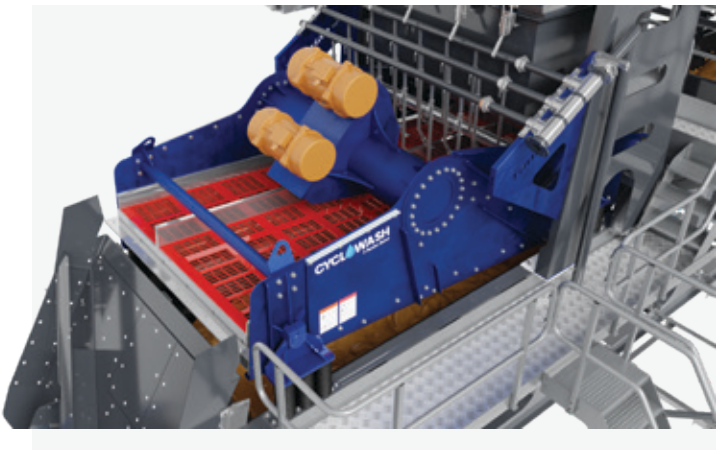


Centre Chassis



- Heavy-duty modular chassis for robust plant support
- Roll-out slurry pump platforms for easy maintenance access
- Large self-regulating sump tank for stable slurry handling
- Split-tank option for dual-grade operation
- Ceramic/rubber-lined bends for improved wear life
- Large inspection doors for quick access and cleaning
- Anti-turbulence baffles for controlled slurry flow
- Replaceable wear plates in high-impact areas

Sand Plant



- High-frequency dewatering screen for efficient moisture removal
- Polyurethane screen media for improved wear life
- Rubber-lined hydrocyclones with replaceable liners
- Wear-protected inlet bends for abrasive slurry handling
- Quick-release underflow boxes for easy maintenance
- Integrated catch box for screen underflow collection
- Adjustable blending chute for dual-grade production
- Cyclone pressure monitoring for consistent classification performance
- Wear-lined discharge chute for extended service life

Access / Walkways

- Fully galvanised platforms and guard rails for long-term corrosion resistance
- Access along both sides of the machine for easier inspection and maintenance
- Wide walkways for safer operator movement
- GRP or expanded-metal flooring for grip and drainage
- 360° service access around key plant areas
- Integrated stairways and handrails for safe plant access
- Dewatering screen access for routine checks and maintenance

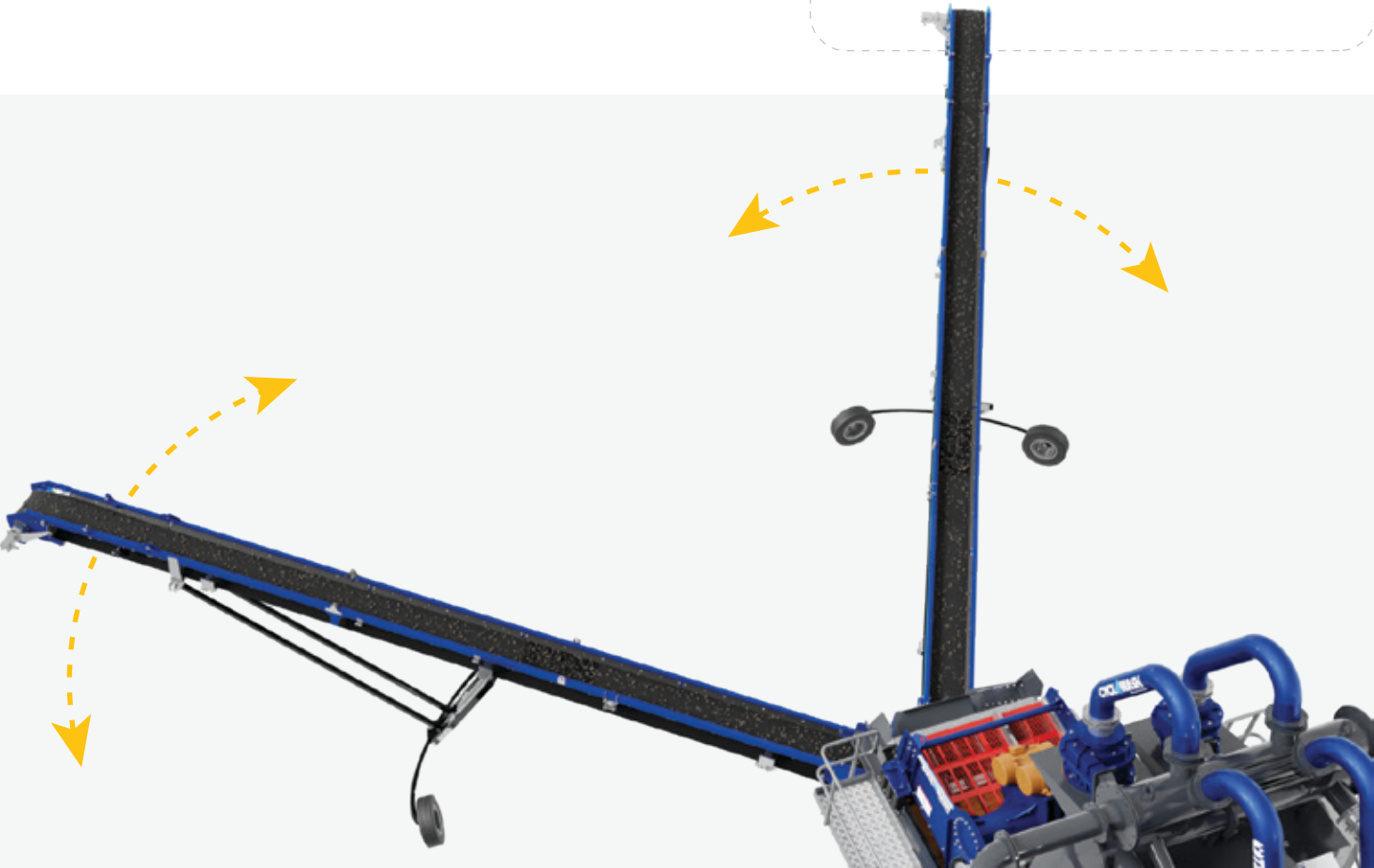


Aggregate Conveyors

- Reconfigurable side conveyors for left- or right-hand discharge
- 660 mm wide conveyor belt for efficient aggregate handling
- 18° conveyor angle for controlled material transfer
- Heavy-duty PU scrapers for cleaner belt operation
- Direct-drive electric gearbox for reliable performance
- Approx. 9.3 m conveyor length for stockpile reach
- Approx. 4.1 m discharge height for improved stockpiling
- Flexible discharge configuration to suit plant layout

Sand Conveyors

- Heavy-duty modular chassis for robust plant support
- Roll-out slurry pump platforms for easy maintenance access
- Large self-regulating sump tank for stable slurry handling
- Split-tank option for dual-grade operation
- Ceramic/rubber-lined bends for improved wear life
- Large inspection doors for quick access and cleaning
- Anti-turbulence baffles for controlled slurry flow
- Replaceable wear plates in high-impact areas

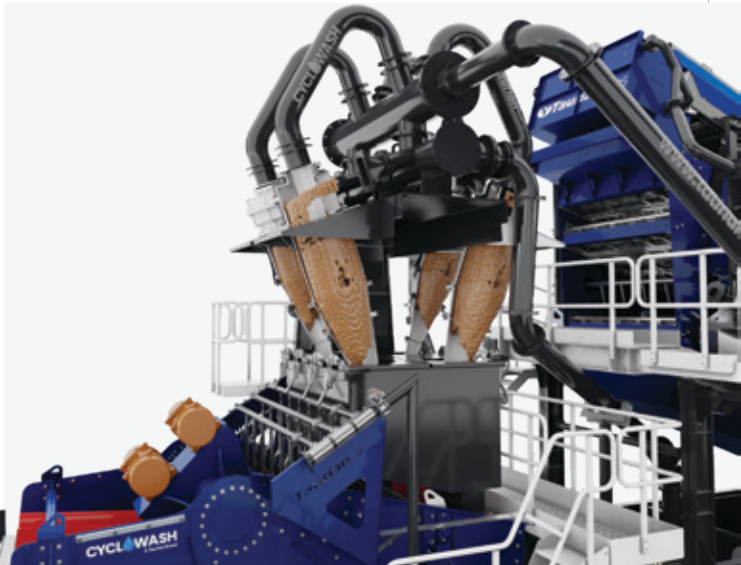


Feeder

- Modular high-capacity hopper for flexible feed handling
- Optional 30 m³ hopper for increased material storage
- Radio-controlled tipping grid for convenient operation
- Variable-speed belt feeder for controlled and consistent feed
- Heavy-duty construction for demanding aggregate applications
- Adjustable feed rate to match downstream plant capacity

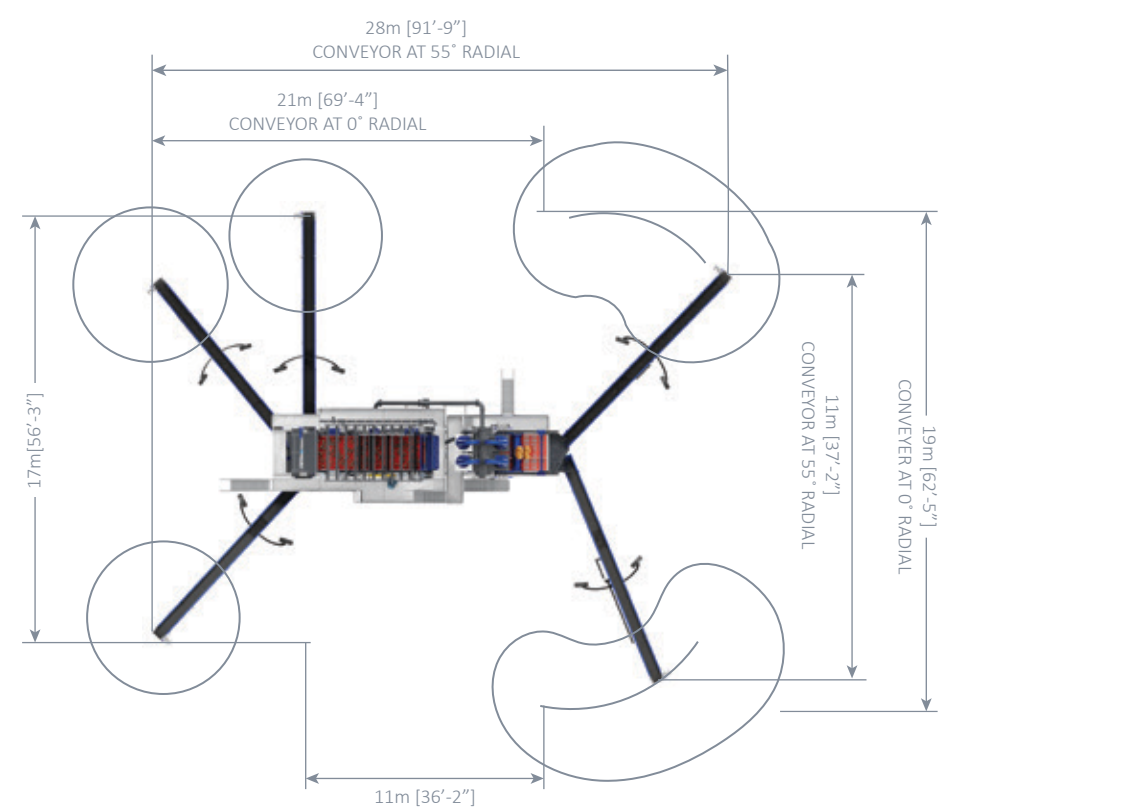


Hydrocyclone



- Controlled tangential flow creates strong centrifugal separation of coarse and fine particles.
- Primary and secondary vortex flow directs fines to overflow while denser particles move to underflow.
- Application-specific cyclone sizing enables precise classification for different sand gradations.
- Wear-lined flow paths protect high-impact areas handling abrasive slurry.
- Pressure-controlled feed flow helps maintain stable cut point and consistent separation performance.

TECHNICAL SPECIFICATION

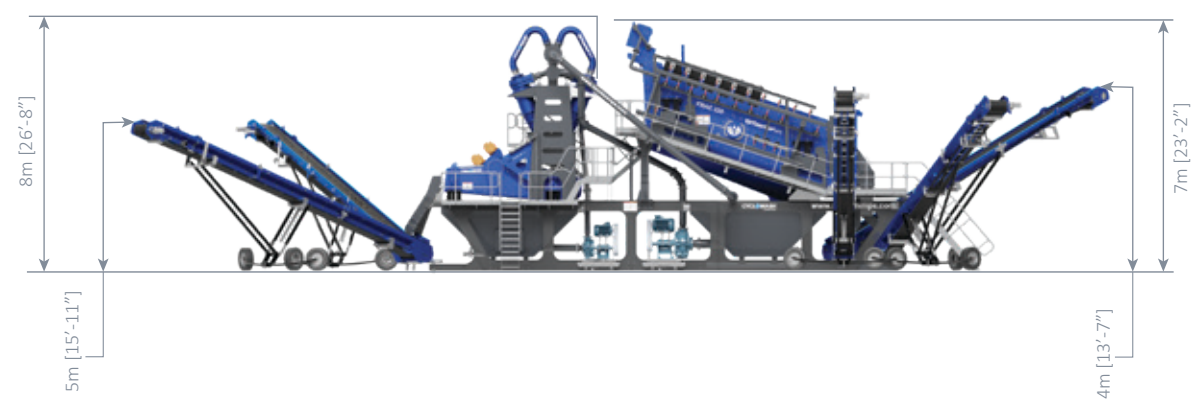


FRAC 225

SCREENBOX	3 AGG 2 SAND
Screening area	4.8 x 1.5 m
Number of decks	3
Power required	15 kW
Mounting	Spring
Screen bearings	2 bearings
Max spraybar water throughput @ 2 bar	340 m³/hr

HOPPER	FRAC 225
Capacity	11 m³
Grid spacing	100 mm

STOCKPILE CONVEYORS	3 AGG 2 SAND
Quantity	5
Length	9.3 m
Belt width	500 mm
Belt type	500 mm EP315 3 ply plain x 3+1.5 covers
Stockpile capacity- sand	350 m³
Stockpile capacity- aggregate	100 m³
Power required	5.5 x 5 kW
Radial wheel drive power requirement	2 x 0.37 kW

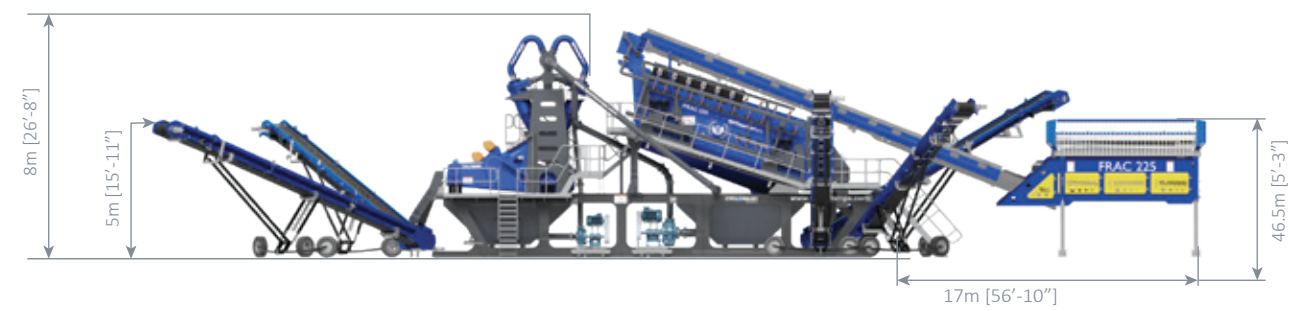
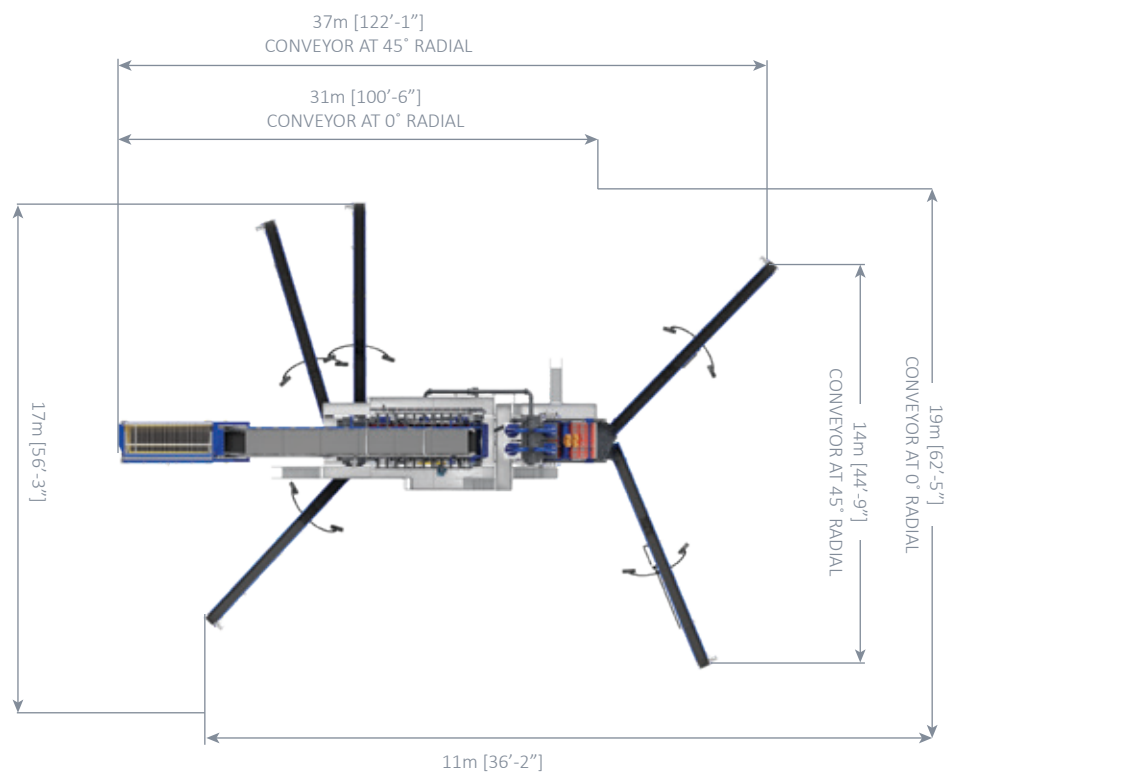


SAND PLANT - STANDARD CAPACITY (120TPH)	3 AGG 2 SAND
Dewatering screen	3.0 x 1.8m
Screen power required	6.4 kW
Fines cyclone	400 x 2
Fines pump	6/4 R/L-22 KW
Coarse cyclone	500 x 2
Coarse pump	8/6 R/L-45 kW

SAND PLANT - STANDARD CAPACITY (200TPH)	3 AGG 2 SAND
Dewatering screen	4.0 x 1.8 m
Screen power required	12.4 kW
Fines cyclone	400 x 2
Fines pump	6/4 R/L-30 kW
Coarse cyclone	500 x 2
Coarse pump	8/6 R/L-55 kW

POWER AND WATER REQUIREMENT	3 AGG 2 SAND
Typical power requirements - standard sand plant	138.65 kW
Typical power requirements - high capacity sand plant	164.65 kW
Water requirements - standard sand plant	250-350 m³/hr
Water requirements - high capacity sand plant	250-500 m³/hr

TECHNICAL SPECIFICATION



FRAC 265

SCREENBOX	3 AGG 2 SAND
Screening area	6 x 1.8 m
Number of decks	3
Power required	22 kW
Mounting	Spring
Screen bearings	2 bearing
Max spraybar water throughput @ 2 bar	400 m³/hr

SAND PLANT	3 AGG 2 SAND
Dewatering screen	4.0 x 1.8 m
Screen power required	12.4 kW
Fines cyclone	400 x 2
Fines pump	6/4 R/L-30 kW
Coarse cyclone	500 x 2
Coarse pump	8/6 R/L-55 kW

STOCKPILE CONVEYORS	3 AGG 2 SAND
Quantity	5
Length	9.3 m
Belt width	500 mm
Belt type	500 mm EP315 3 ply plain x 3+1.5 covers
Stockpile capacity- sand	350 m³
Stockpile capacity- aggregate	100 m³
Power required	5.5 x 5 kW
Radial wheel drive power requirements	2 x 0.37 kW

POWER AND WATER REQUIREMENT	3 AGG 2 SAND
Typical power requirements	177.65 kW
Water requirements	250-500 m³/hr

2 DECK VIBRATING GRID	3 AGG 2 SAND
Working angle	10-20°
Tipping angle	45° max
Motor (Hydraulic)	59 cc/rev

HOPPER	FRAC 265
Capacity	11 m³
Grid spacing	100 mm

FEED CONVEYOR	3 AGG 2 SAND
Length	13.5 m
Belt	1000 mm
Power required	11 kW

POWERPACK	3 AGG 2 SAND
Motor size- all options	37 kW
Hydraulic pump capacity	46 cc/33cc
Oil cooler motor size	0.18 kW

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choose Taurian MPS.



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