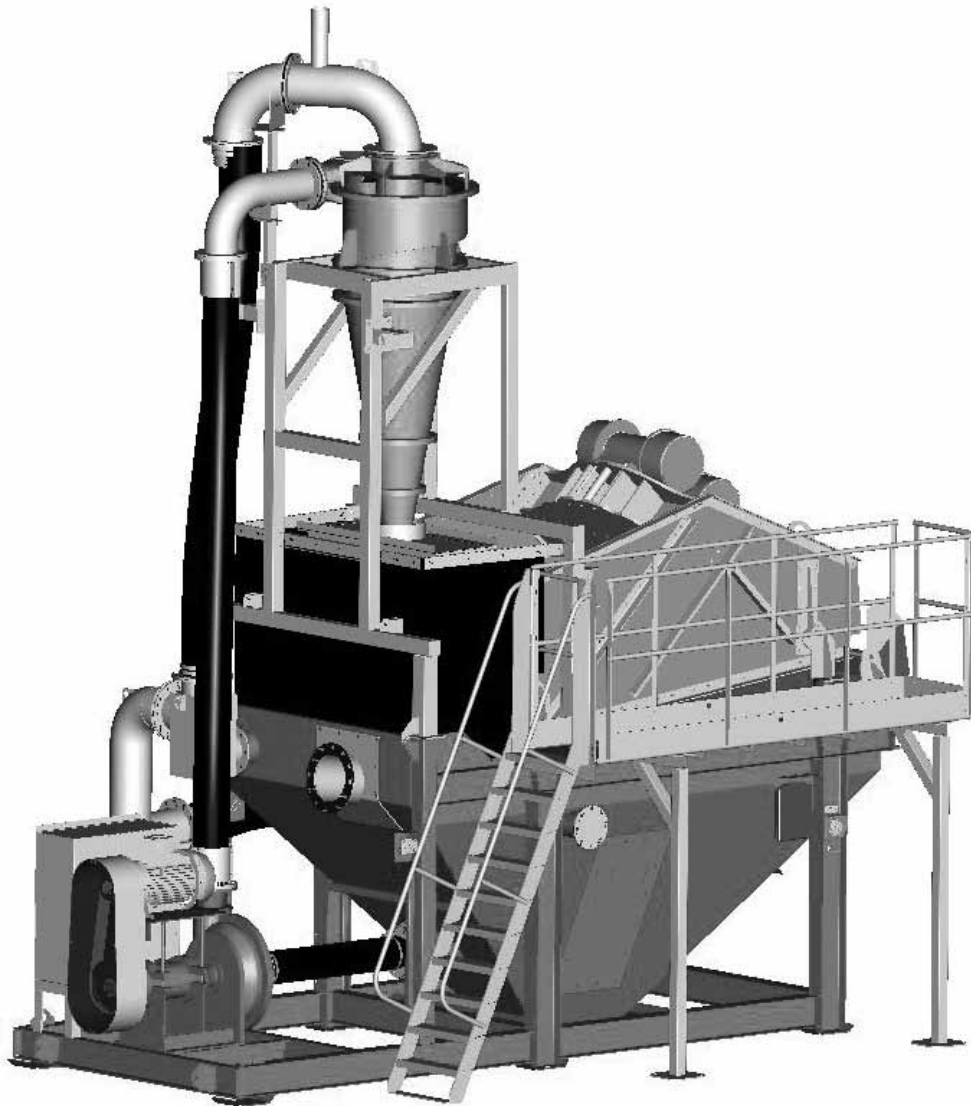# FM 120 C

FEATURES

- Static sand recovery unit on one chassis
- Centrifugal slurry pump
- Hydrocyclone
- Collection tank
- 12 x 5 dewatering screen
- Produces one grade of sand
- Designed to work in conjunction with Terex Washing Systems range

WORKS FOR YOU.

FEATURES AND BENEFITS

- Underflow rubber lined slurry pump

- One rubber lined hydrocyclone which classifies at approximately 75µm (200 mesh)

- Self regulating cyclone tank complete with built in float system and anti-turbulence sections

- High frequency 12 x 5 dewatering screen fitted with polyurethane modular mats

- Maximum recovery of material above 75µm (200 mesh)

- Removes silt, slimes and clays below 75µm (200 mesh)

- Removes water following dewatering operation to 10–15% of residual water content

- Major reduction in saleable material discharging to the pond, thus reducing pond maintenance and saving money

- Heavy-duty robust construction ideal for rugged operating environment

- Low maintenance

- All wear areas rubber lined

- Walkway and access stairs

- Quick assembly time

- Breaks down into one 40' (12m) container

- Approx 80-120 tph

APPLICATIONS

- All forms of concrete, mortar and asphalt sands

- Quarry dust / crushed fines

- Lake and beach sands

- Silica sand for glass industry

- Golf course sands

- Filter bed sands

- Recycled materials

- Iron ore

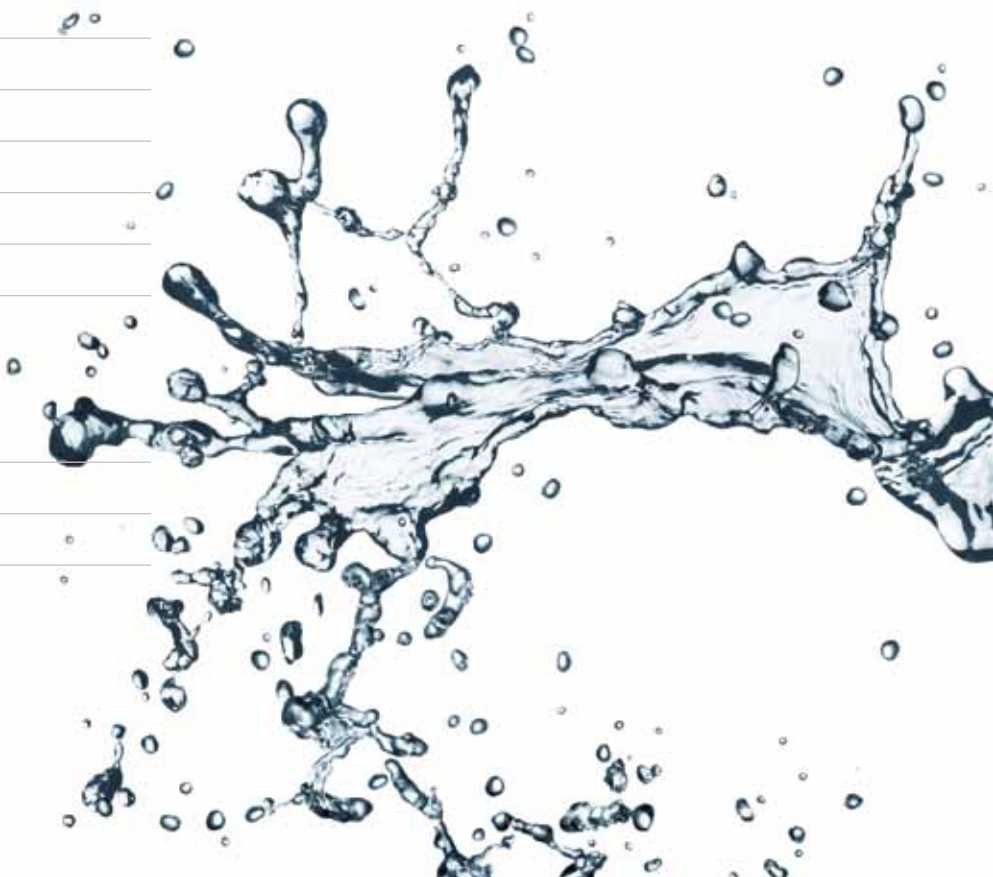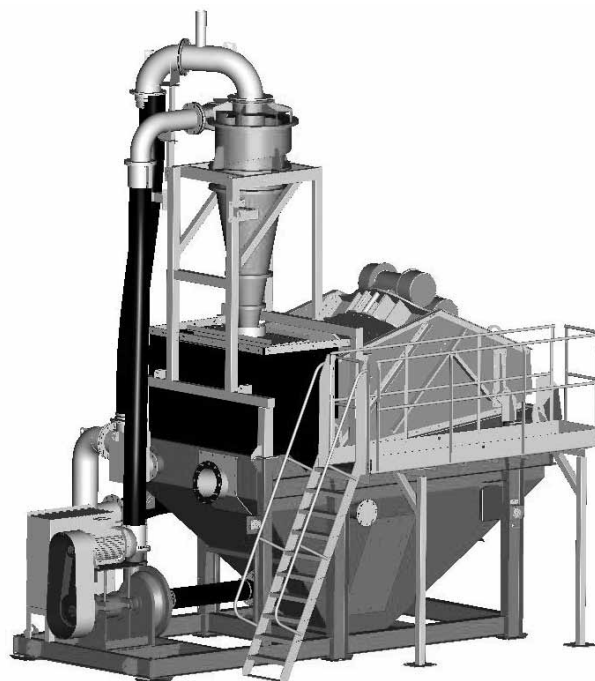- Most materials which need to be washed

OPTIONS

- Boiler box for dry feed

- Electrical control panel

- Spraybars on dewatering screens

SPECIFICATIONS

TECHNICAL DIMENSIONS

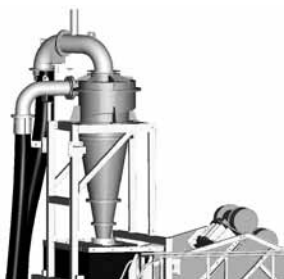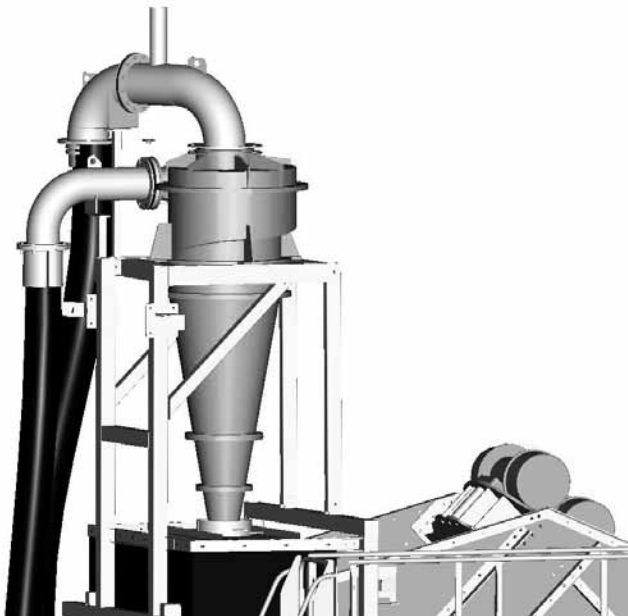|	
WORKING LENGTH	6.5m (21'3")
WORKING WIDTH (INC WALKWAY)	3.5m (11'4")
WORKING HEIGHT	6.2m (20'3")
FEED HEIGHT	1.90m (6'3")
PRODUCT DISCHARGE HEIGHT	1.7m (5'6")
WASTE WATER DISCHARGE HEIGHT	971mm (3'2")
TOTAL WEIGHT(EMPTY)	8000kg (17600 lb)
TOTAL WEIGHT(WORKING)	14800kg (32600 lb)

CYCLONE

One G4 660 hydrocyclone

Spigot discharge

All wear areas rubber lined

Underflow collection box
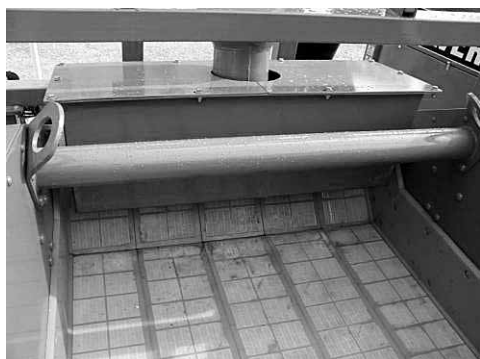
Pressure flange with pressure gauge and protector

200mm (8") rubber lined slurry delivery hose
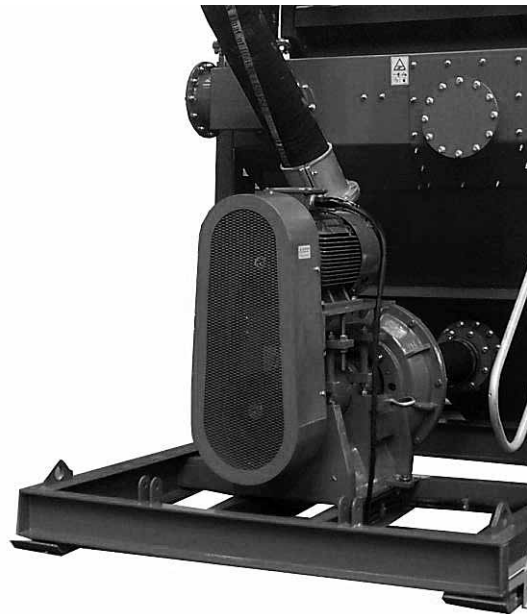
CENTRIFUGAL PUMP

Size 200/150mm (Heavy duty rubber lined)
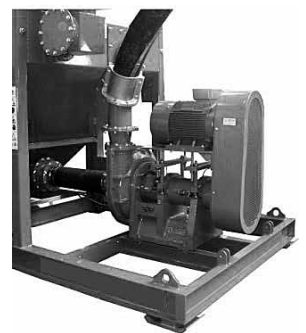
Motor 30kW (40hp) (IP55 enclosure)

Pump capacity 250m^3

Abrasion resistant liners
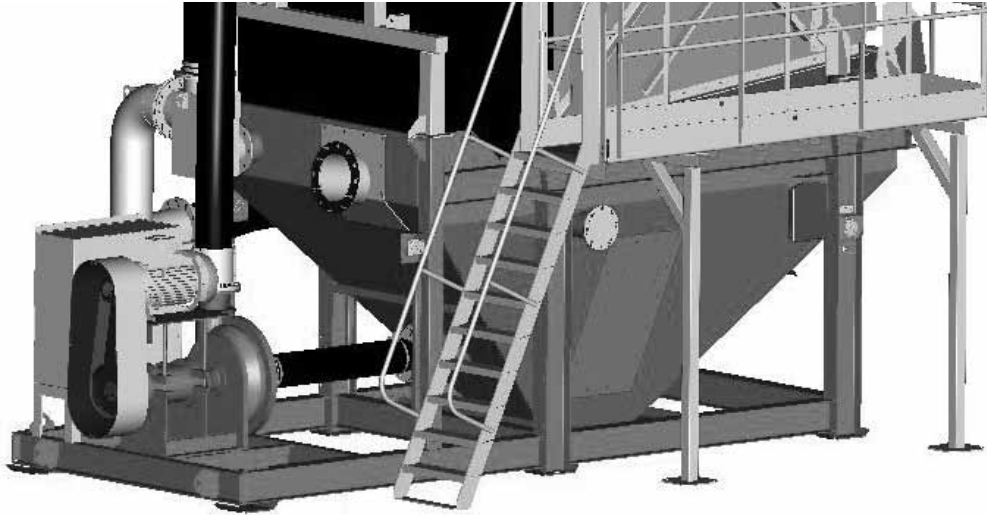
Moulded rubber impeller

Excellent serviceability

Rubber lined sealed slurry transfer pipe complete with heavy duty clamps

Rubber lined spigot

Pump drain for cold climate applications

Easy access for ease of maintenance

Full width underflow distribution box giving and even flow to the screen

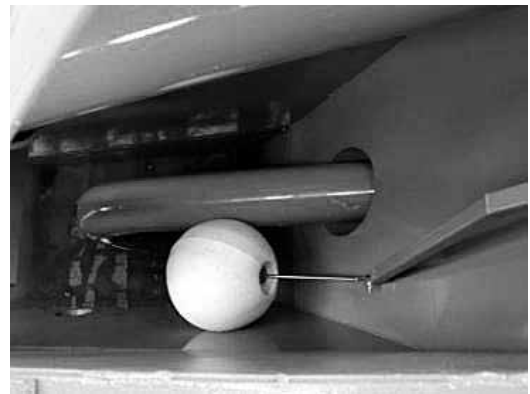Fully rubber lined for increased wear life

CHASSIS

Self regulating cyclone tank complete with built in float system

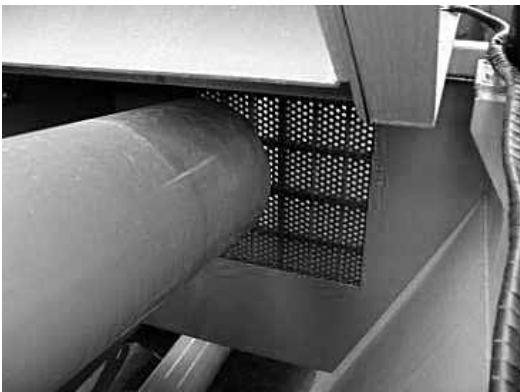Build in anti-turbulence sections

Heavy duty steel construction

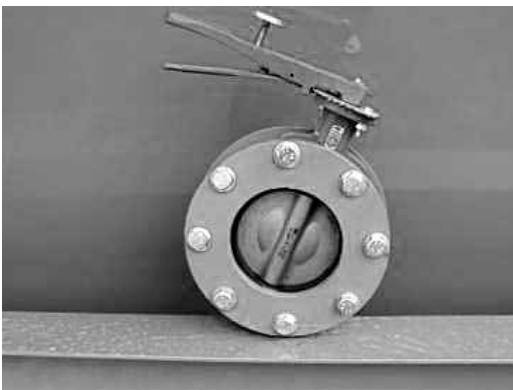Easy access to serviceable areas

Walkway with steps and handrails

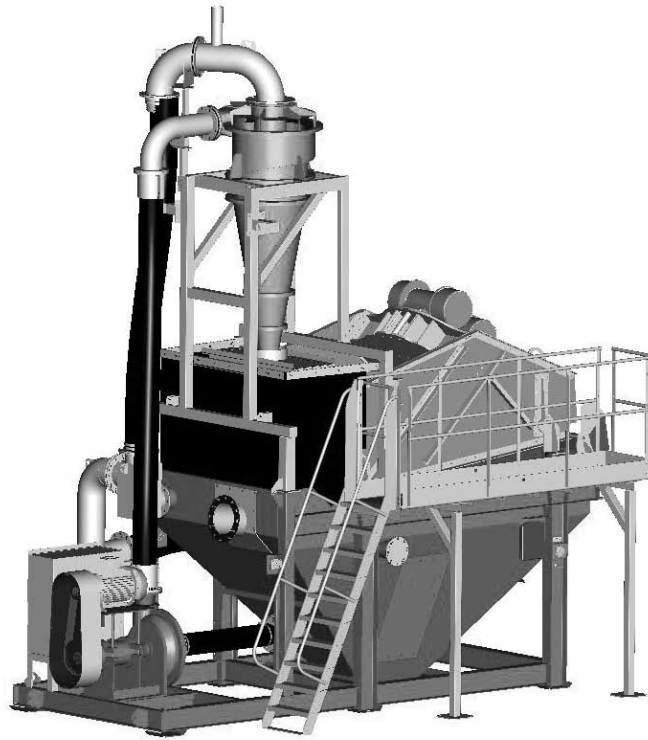Float system for self regulation of tank water level

Rubber lined anti-turbulence inlet

Integrated tank drains for ease of maintenance

Walkway, steps and handrails included standard with all machines

DEWATERING SCREEN

Size 3.7m x 1.5m (12' x 5')

Vibratory motors 4kW (5.5hp) (2off) 960rpm

Screen aperture 0.5mm (0.02") feed side & 0.5mm (0.02") discharge side

Exceptional dewatering performance

Compression fit modular screen decks

Side protection liners

Marshmellow® screen mounts for smoother running

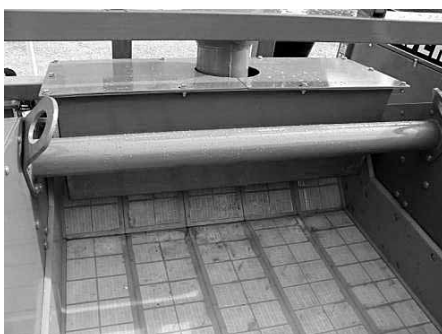Plastic lined discharge chute

Low noise vibrating motor

High efficiency rubber screen mount for minimal vibration

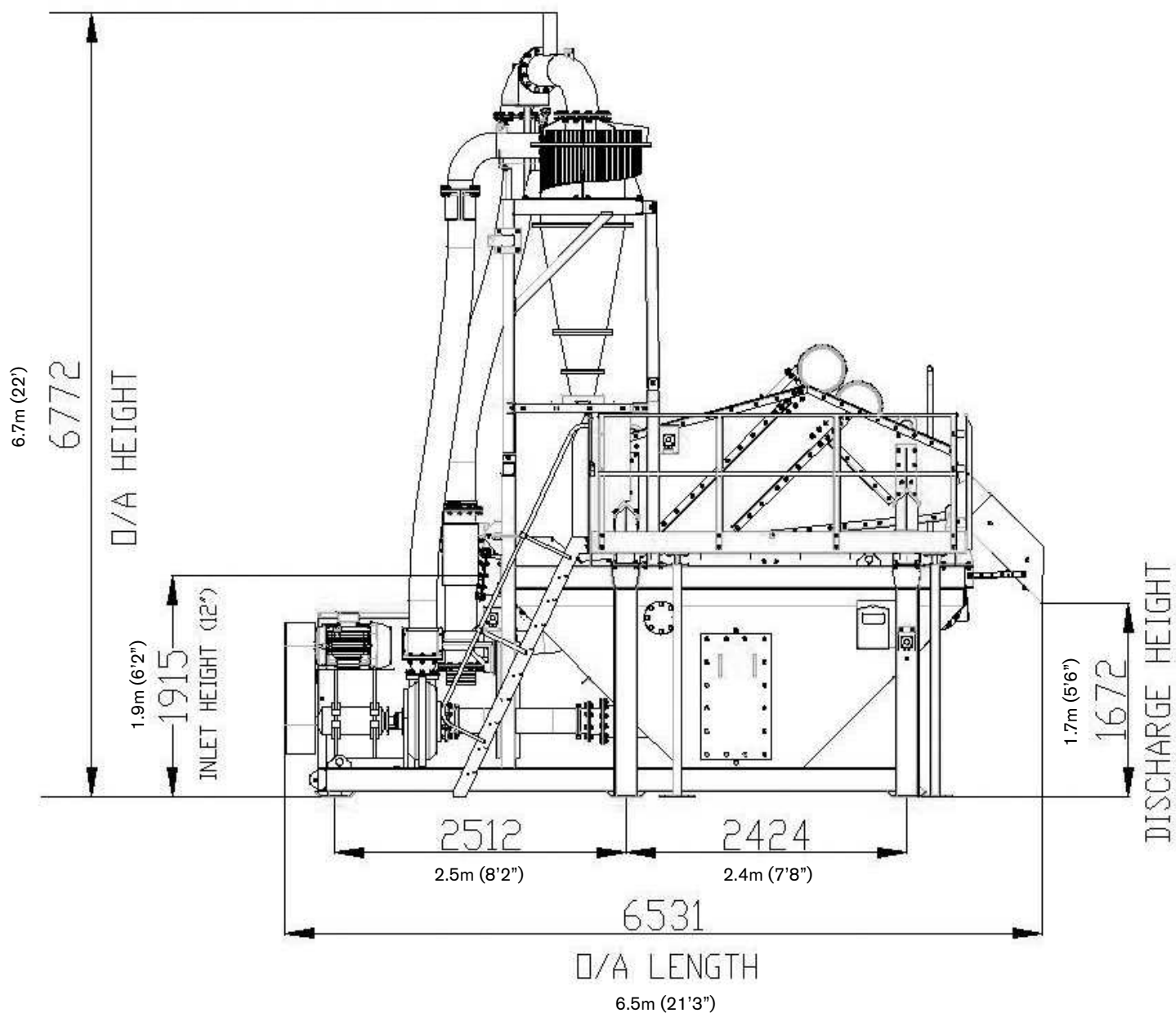Sloped back panel for maximum water removal
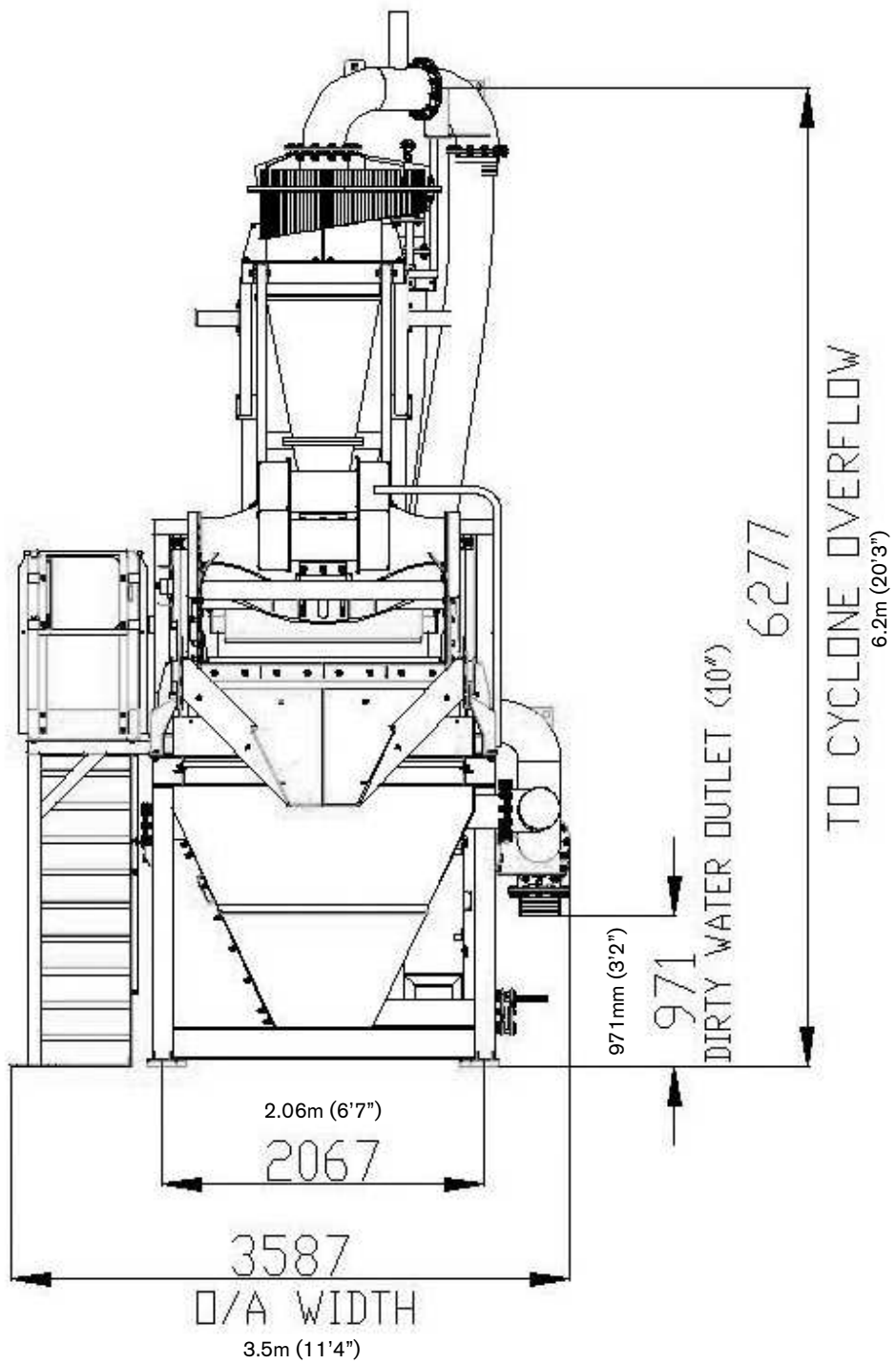

Modular screen decks and side protection liners

Plastic lined chute

DIMENSIONS

6.7m (22')
6772
O/A HEIGHT

1.9m (6'2")
1915
INLET HEIGHT (12")

1.7m (5'6")
1672
DISCHARGE HEIGHT

2512
2.5m (8'2")

2424
2.4m (7'8")

6531
O/A LENGTH
6.5m (21'3")

TO CYCLONE OVERFLOW
6.2m (20'3")
6277

DIRTY WATER OUTLET (10")
971
971mm (3'2")

2.06m (6'7")
2067

3587
O/A WIDTH
3.5m (11'4")

TEREX WASHING SYSTEMS CONTACT DETAILS

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