



propel 

**PRODUCT
CATALOGUE**

Propel. Always Ahead.

INFRASTRUCTURE INSIGHTS

Propel Industries has a sprawling 3,00,000 sq. feet world-class manufacturing facility.

- Complete in-house R&D, manufacturing, installation and commissioning results in absolute quality control in every stage of production. It helps us excel in terms of performance and reliability.
- Higher production and lower electricity consumption of our equipment has enabled us to enhance operational efficiency and maximize customers' return on investment



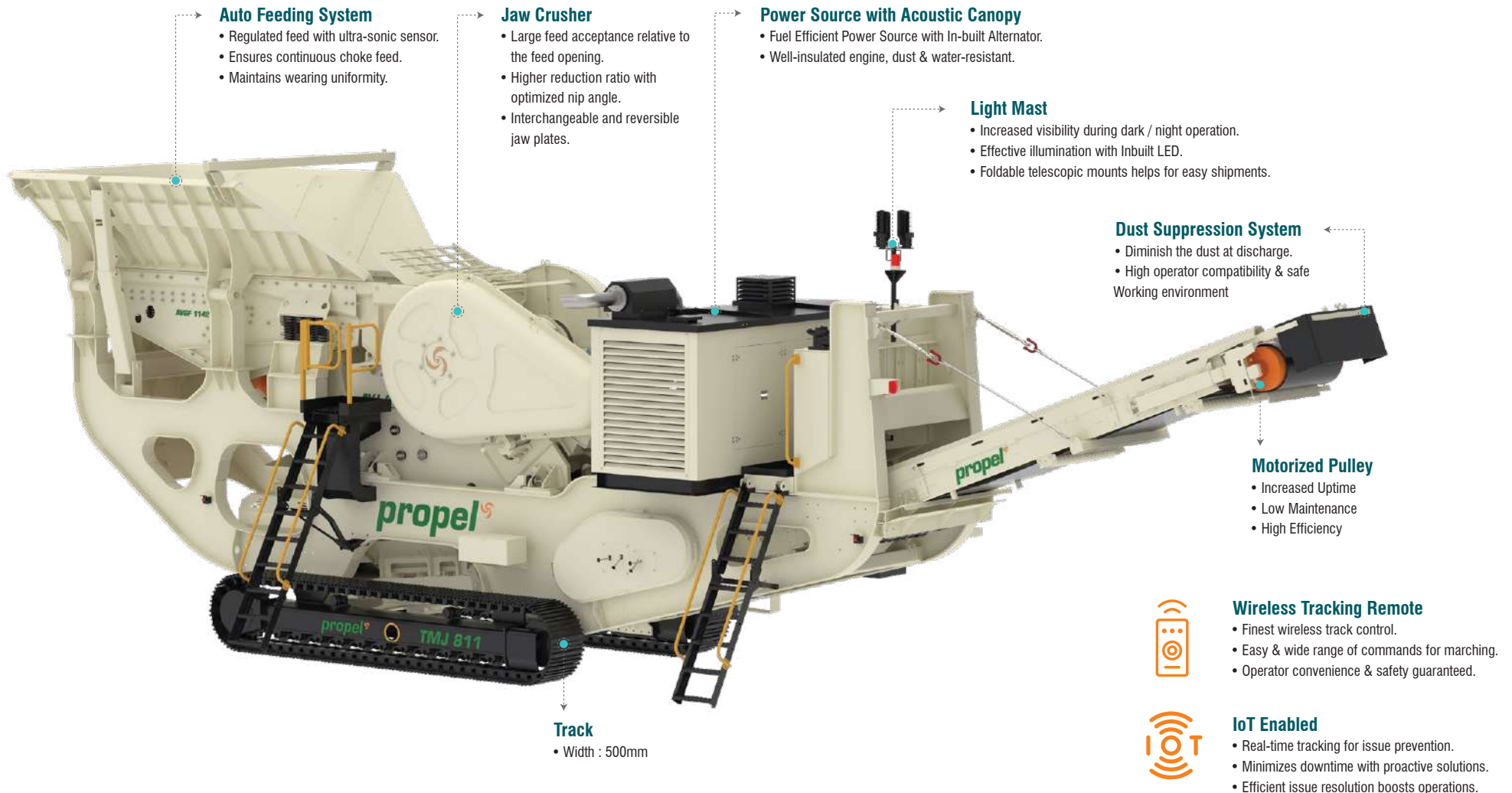


About Us

- Propel Industries provides innovative, technologically-sound and cost-effective solutions to the crushing and screening industry. We are the strategic business division of the 60-year-old Coimbatore-based AV Group.
- We provide a comprehensive range of products with high reliability and performance. The new-age work culture that we have adapted drives our team to exhibit results par excellence.
- We provide cost-effective spare parts because we make every part indigenously. Enhanced performance and versatile applications at optimal costs has made us the market leaders.
- Our product line includes a comprehensive range of Jaw Crushers, Cone Crushers, Vertical Shaft Impactors (VSI), Horizontal Shaft Impactors(HSI), Roll Crusher, Feeders, Screens, Sand Washers, Air Classifiers & Thickener, Mobile & Semi mobile. The Global presence of the company's sales and service network and round-the-clock customer support make us the ultimate choice of customers.
- PROPEL INDUSTRIES is the first Indian company in this segment to get a **CE** (Conformité Européenne) certification. We have also implemented a quality management system in accordance with ISO 9001 : 2015.

Track Mounted Jaw TMJ Series

The elevated mouth opening of the TMJ Series single toggle Jaw Crushers ensure significant production saving by eliminating frequent bridging of stone in feed opening. Optimum jaw nip angle reduces laminar product shape, ensures even manganese wear-off with increasing production.

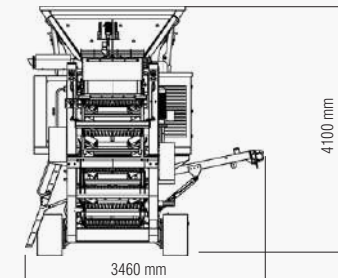
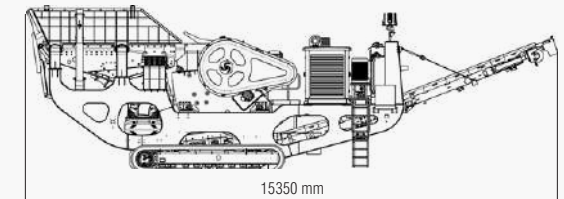


TECHNICAL DATA

Series		TMJ 811
Opening Size (W x L)	mm (inch)	750 x 1064 (29.5 x 41.9)
CSS Range	mm (inch)	75 to 200 (3.0 to 8.0)
*Capacity	TPH	150 - 400
Hopper / Feeder		
Hopper Capacity	m ³	10
Grizzly Feeder AVGF 1142 V2		
Size	mm (inch)	1100 x 4200 (43.3 x 165.3)
Main Conveyor		
Belt Width	mm	1000
Discharge Height	mm	3700
Stock Pile Capacity	m ³	75 @ 40°
Bypass Conveyor		
Belt Width	mm	650
Discharge Height	mm	2100
Stock Pile Capacity	m ³	13.7 @ 40°
Under Carriage		
Shoe Width	mm	500
Hydraulic Tank Capacity	Ltrs	390
Power Unit		
Engine		Scania DC09 Engine With Alternator CAT C9.3B Engine With Alternator Cummins QSL9 Engine With Alternator.
Diesel Tank Capacity	Ltrs	500
Dimension		
Transport (L x W x H)	mm (inch)	15350 x 3460 x 4100 (604.3x 136.2 x 161.4)
Working (L x W x H)	mm (inch)	15940 x 4850 x 4900 (627.5 x 190.9 x 192.9)
**Weight	Kg (Ton)	55000 (55.0)



WORKING DIMENSIONS

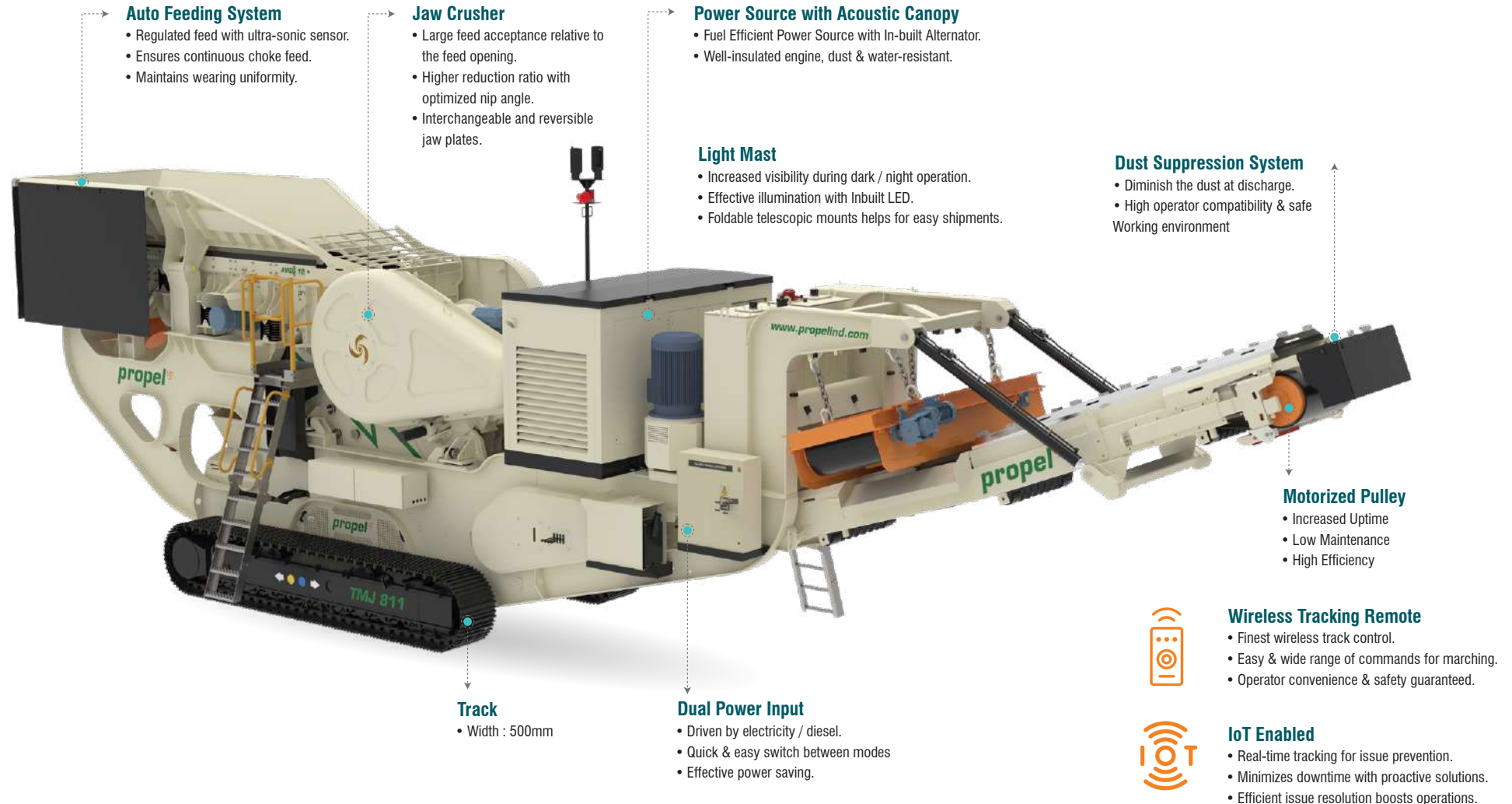


*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development

Track Mounted Jaw TMJ Series

The elevated mouth opening of the TMJ Series single toggle Jaw Crushers ensure significant production saving by eliminating frequent bridging of stone in feed opening. Optimum jaw nip angle reduces laminar product shape, ensures even manganese wear-off with increasing production.



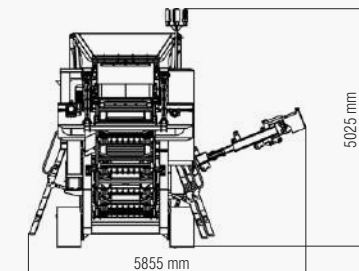
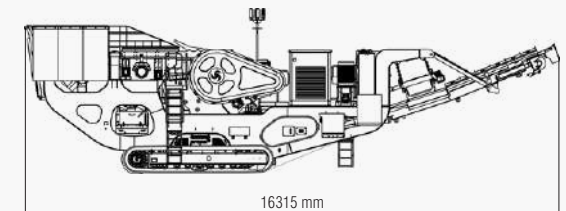
TECHNICAL DATA

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Series		TMJ 811 S
Opening Size (W x L)	mm (inch)	1064 X 750 (41.9 x 29.5)
CSS Range	mm (inch)	75 to 200 (3.0 to 8.0)
*Capacity	TPH	150 - 400
Hopper / Feeder		
Hopper Capacity	m ³	6
Feeder AVF 1124		
Size	mm (inch)	1150 x 2400 (45.2 x 94.4)
Pre-Screen AVGS 1220		
Size	mm (inch)	1250x 2000 (47.2X78.7)
Main Conveyor		
Belt Width	mm	1000
Discharge Height	mm	3600
Stock Pile Capacity	m ³	70 @ 40°
Bypass Conveyor		
Belt Width	mm	650
Discharge Height	mm	2700
Stock Pile Capacity	m ³	29.3 @ 40°
Under Carriage		
Shoe Width	mm	500
Hydraulic Tank Capacity	Ltrs	420
Power Unit		
Engine	Scania DC09 Stage 5 Engine With Alternator Caterpillar C7.1 Stage 5 Engine With Alternator	
Diesel Tank Capacity	Ltrs	550
Dimension		
Transport (L x W x H)	mm (inch)	16000 x 2900 x 3840(629.9 x 114.2 x 151.2)
Working (L x W x H)	mm (inch)	16315 x 5855 x 5025 (642.3 x 230.5 x 197.8)
**Weight	Kg (Ton)	55000 (55.0)



WORKING DIMENSIONS

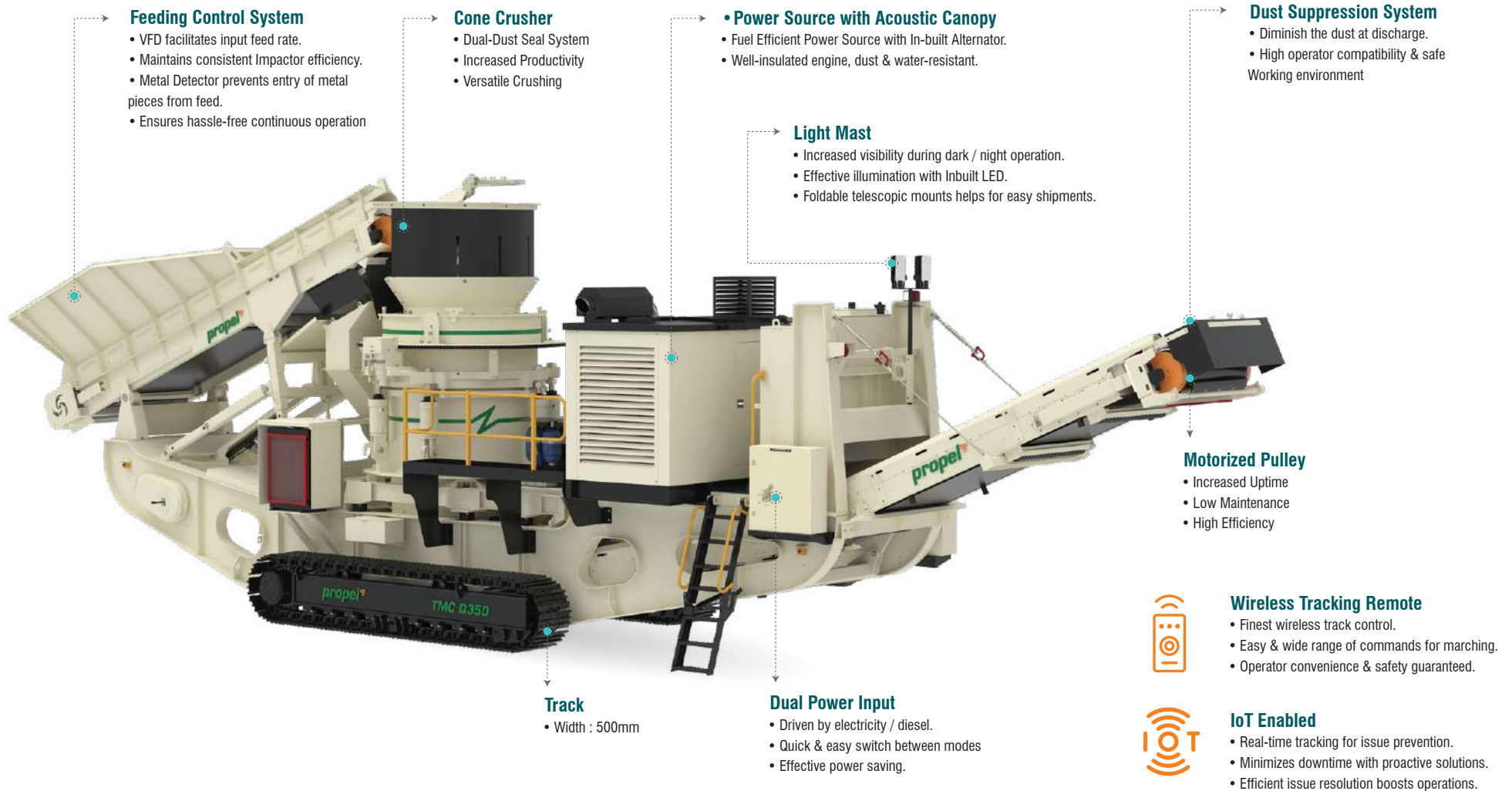


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Track Mounted Cone TMC QM Series

Propel TMC QM Series feature a unique combination of crusher speed, throw and cavity design. This combination is known for its revolutionary higher capacity and better product quality. It has been designed to ensure trouble-free operation in heavy and continuous applications.



TECHNICAL DATA

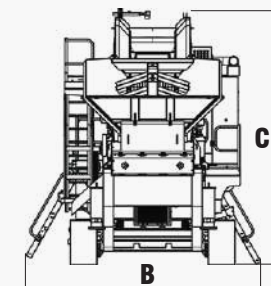
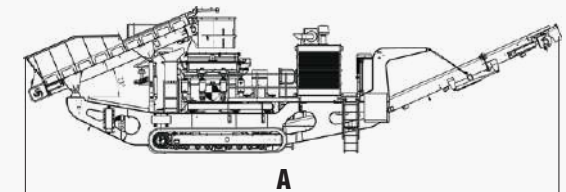
Series		TMC Q250	TMC SQM 230	TMC SQM 320	TMC Q350
Feed Opening	mm (inch)	220 (8.7)	85 (3.3)	100 (3.9)	260 (10.2)
CSS Range	mm (inch)	26 - 45 (1.0 - 1.8)	15-30 (0.6-1.2)	15 - 35 (0.6 - 1.4)	30 - 50 (1.2 - 2.0)
*Capacity	TPH	150 - 380	125-250	180- 375	215 - 540
Hopper / Feeder					
Hopper Capacity	m ³	6	6	7	7
Feed Belt Width (mm)	mm	1000	1000	1200	1200
Main Conveyor					
Belt Width	mm	1000	1000	1200	1200
Discharge Height	mm	3600	3600	3400	3400
Stock Pile Capacity	m ³	69.4 @ 40°	69.4 @ 40°	58.4 @ 40°	58.4 @ 40°
Under Carriage					
Shoe Width	mm	500	500	500	500
Hydraulic Tank Capacity	Ltrs	390	390	420	420
Power Unit					
Engine		Scania DC09 Engine With Alternator CAT C9.3B Engine With Alternator Cummins QSL9 Engine With Alternator.		Scania DC13 Engine With Alternator	
Diesel Tank Capacity	Ltrs	500	500	700	700
Dimension					
Transport (L x W x H)	mm (inch)	15810 x 3400 x 4050 (622.4 x 133.9 x 159.4)	15810 x 3400 x 4050 (622.4 x 133.9 x 159.4)	17600x 3300 x 3950 (692.9 x 129.9 x 155.5)	17600x 3300 x 3950 (692.9 x 129.9 x 155.5)
Working (L x W x H)	mm (inch)	17815 x 4760 x 4800 (701.4 x 187.4 x 189.0)	17815 x 4760 x 4800 (701.4 x 187.4 x 189.0)	16690 x 3855 x 5265 (657.08 x 151.8 x 207.3)	16690 x 3855 x 5265 (657.08 x 151.8 x 207.3)
**Weight	Kg (Ton)	48000(48.0)	48000(48.0)	56500(56.5)	56500(56.5)

*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development



WORKING DIMENSIONS



Model	Units	A	B	C
TMC Q250	mm	17815	4760	4800
TMC Q350	mm	16690	3855	5265
TMC SQM 230	mm	17815	4760	4800
TMC SQM 320	mm	16690	3855	5265

Track Mounted Cone TMC AVC Series

Propel AVC Series Cone crusher feature a unique combination of crusher speed, throw and cavity design. This combination is known for its revolutionary higher capacity and better product quality. It has been designed to ensure trouble-free operation in heavy and continuous applications.



TECHNICAL DATA

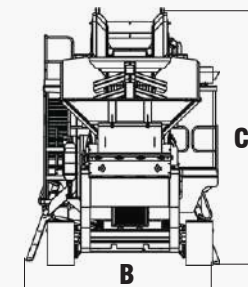
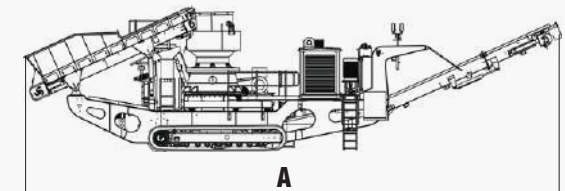
Series		TMC 220	TMC 250	SM 200	SM 250
Feed Opening	mm (inch)	220 (8.7)	230 (9)	95 (3.7)	95 (3.7)
CSS Range	mm (inch)	24-35 (0.9-1.4)	26-35 (1 -1.4)	14-28 (0.6-1.1)	14-30 (0.6-1.2)
*Capacity	TPH	140-320	160-340	120-185	150-240
Hopper / Feeder					
Hopper Capacity	m ³	6	6	6	6
Feed Belt Width (mm)	mm	1000	1000	1000	1000
Main Conveyor					
Belt Width	mm	1000	1000	1000	1000
Discharge Height	mm	3600	3600	3600	3600
Stock Pile Capacity	m ³	69.4 @ 40°	69.4 @ 40°	69.4 @ 40°	69.4 @ 40°
Under Carriage					
Shoe Width	mm	500	500	500	500
Hydraulic Tank Capacity	Ltrs	390	390	390	390
Power Unit					
Engine		Scania DC09 Engine With Alternator CAT C9.3B Engine With Alternator Cummins QSL9 Engine With Alternator.			
Diesel Tank Capacity	Ltrs	500	500	500	500
Dimension					
Transport (L x W x H)	mm (inch)	15810X3400X4050 (622.4 x 133.9 x 159.4)	15810X3400X4050 (622.4 x 133.9 x 159.4)	15810X3400X4050 (622.4 x 133.9 x 159.4)	15810X3400X4050 (622.4 x 133.9 x 159.4)
Working (L x W x H)	mm (inch)	17815X4760X4800 (701.4X187.4X189)	17815X4760X4800 (701.4X187.4X189)	17815 x 4760 x 4800 (701.4 x 187.4 x 189.0)	17815 x 4760 x 4800 (701.4 x 187.4 x 189.0)
**Weight	Kg (Ton)	48000(48.0)	48000(48.0)	48000(48.0)	48000(48.0)

*Details may vary based on application

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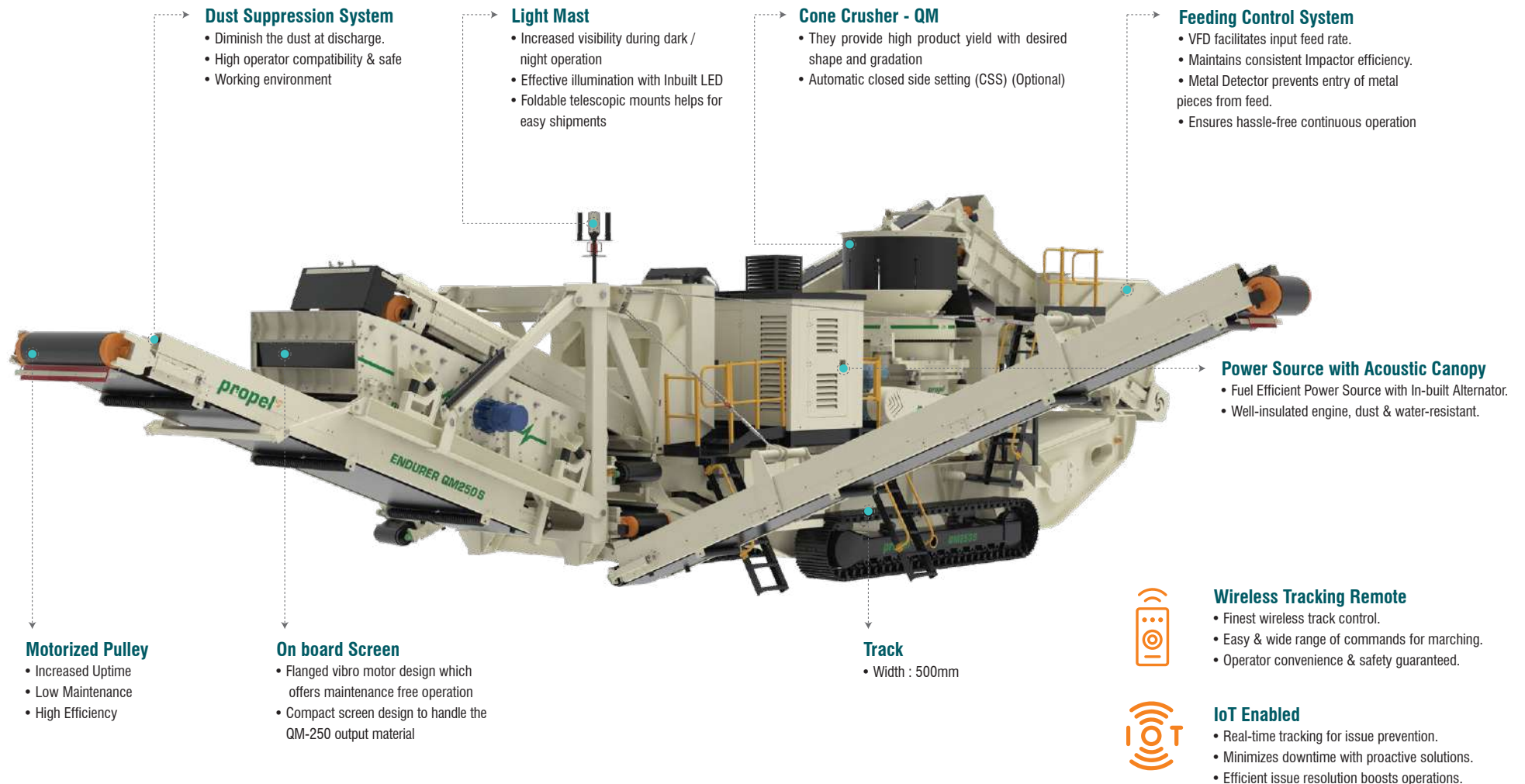
WORKING DIMENSIONS



Model	Units	A	B	C
TMC 220	mm	17815	4760	4800
TMC 250	mm	17815	4760	4800
TMC SM 200	mm	17815	4760	4800
TMC SM 250	mm	17815	4760	4800

Track Mounted Endurer QM Series

Propel QM Series is designed to maximise throughput and product shape in a wide range of crushing applications. The inclusion of a plant mounted double deck vibrating screen allows for oversize material to be re crushed and for sized end products. Its cost effectiveness is justified by its low fuel consumption, low operating and maintenance costs as well as high capacity and environmental friendly.

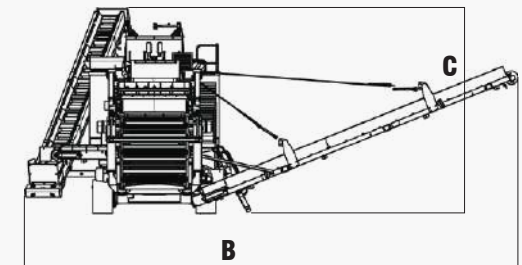
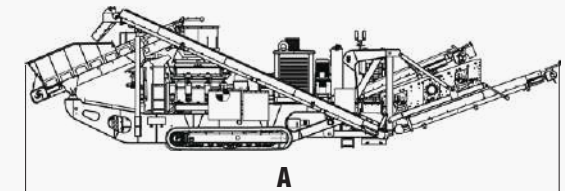


TECHNICAL DATA

Series		TMC SQM 230 S	TMC QM 250 S
Feed Opening	mm (inch)	85 (3.3)	220 (8.7)
CSS Range	mm (inch)	15-30 (0.6-1.2)	26 - 45 (1.0 - 1.8)
*Capacity	TPH	125-250	150 - 380
Hopper / Feeder			
Hopper Capacity	m ³	6	6
Feed Belt Width (mm)	mm	1000	1000
Main Conveyor			
Belt Width	mm	1000	1000
Top / Bottom Deck Transfer Conveyor			
Belt Width	mm	500	500
Stock pile / Recycling Conveyor			
Belt Width	mm	500	500
Fines Conveyor			
Belt Width	mm	1400	1400
On Board Screen			
Deck Size	mm (inch)	1800 x 3700 (70.9 x 145.7)	1800 x 3700 (70.9 x 145.7)
Number of Decks	mm	2	2
Under Carriage			
Shoe Width	mm	500	500
Hydraulic Tank Capacity	Ltrs	435	435
Power Unit			
Engine	Scania DC13 Engine With Alternator		
Diesel Tank Capacity	Ltrs	720	720
Dimension			
Transport (L x W x H)	mm (inch)	19310 x 3450 x 4150 (760.2 x 135.8 x 163.4)	19310 x 3450 x 4150 (760.2 x 135.8 x 163.4)
Working (L x W x H)	mm (inch)	19450 x 12360 x 5145 (765.7 x 486.6 x 202.5)	19450 x 12360 x 5145 (765.7 x 486.6 x 202.5)
**Weight	Kg (Ton)	58500 (58.5)	58500 (58.5)



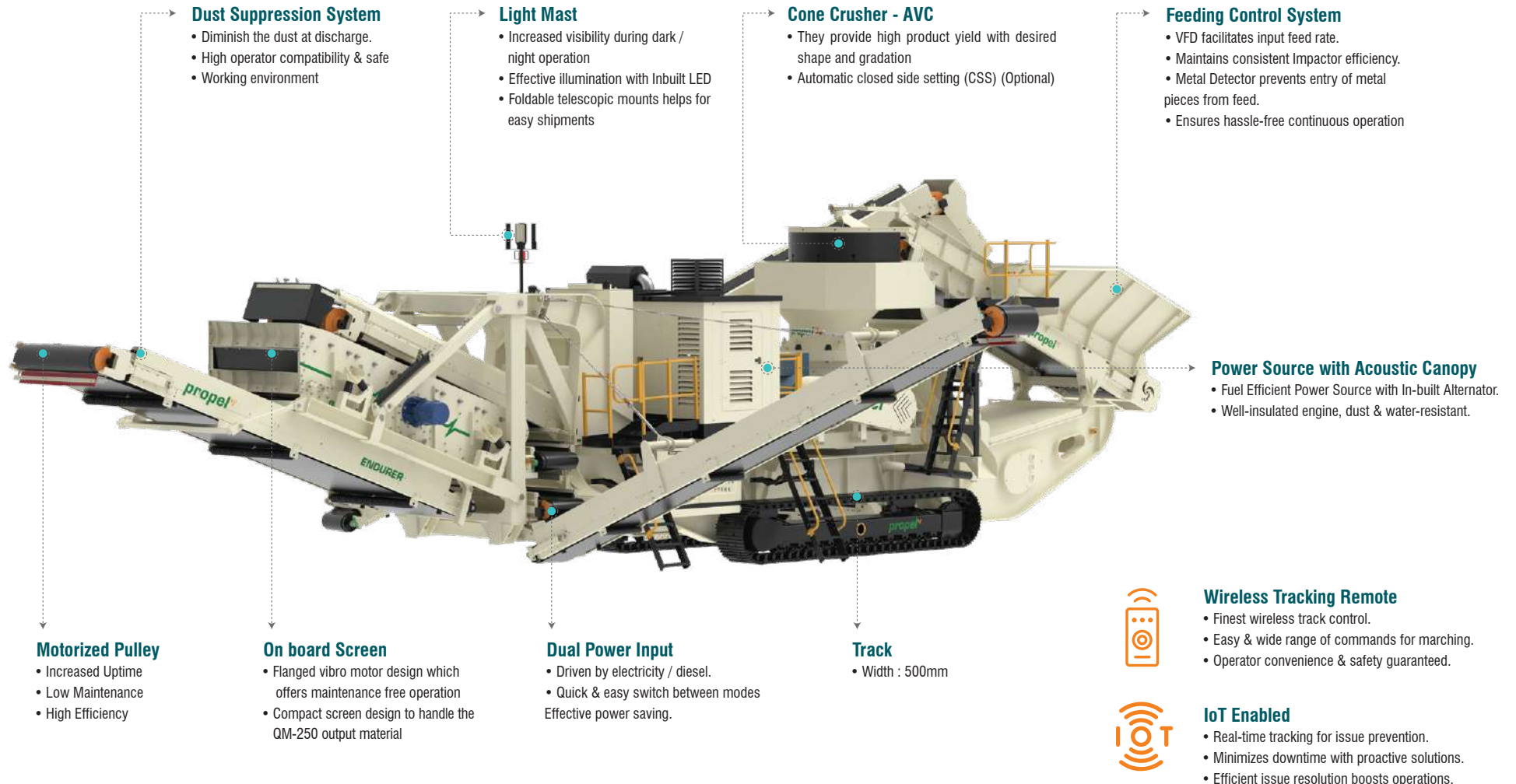
WORKING DIMENSIONS



Model	Units	A	B	C
TMC SQM 230 S	mm	19450	12360	5145
TMC QM 250 S	mm	19450	12360	5145

Track Mounted Endurer AVC Series

Propel AVC Series is designed to maximise throughput and product shape in a wide range of crushing applications. The inclusion of a plant mounted double deck vibrating screen allows for oversize material to be re circulated for re crushing and for sized end products. Its cost effectiveness is justified by its low fuel consumption, low operating and maintenance costs as well as high capacity and environmental friendly.



TECHNICAL DATA

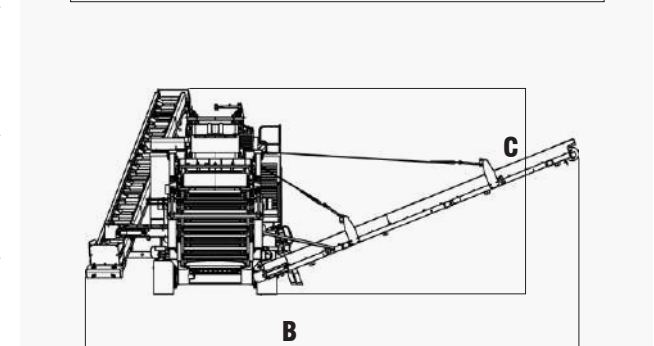
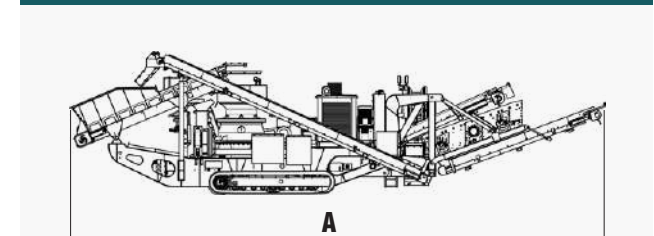
Series		TMC 220 S	TMC 250 S	TMC SM 200 S	TMC SM 250 S
Feed Opening	mm (inch)	220 (8.7)	230 (9.0)	95 (3.7)	95 (3.7)
CSS Range	mm (inch)	24-35 (0.9-1.4)	26-35 (1-1.4)	14-28 (0.6-1.1)	14-30 (0.6-1.2)
*Capacity	TPH	140-320	160-340	120-185	150-240
Hopper / Feeder					
Hopper Capacity	m ³	6	6	6	6
Feed Belt Width (mm)	mm	1000	1000	1000	1000
Main Conveyor					
Belt Width	mm	1000	1000	1000	1000
Top / Bottom Deck Transfer Conveyor					
Belt Width	mm	500	500	500	500
Stock pile / Recycling Conveyor					
Belt Width	mm	500	500	500	500
Fines Conveyor					
Belt Width	mm	1400	1400	1400	1400
On Board Screen					
Deck Size	mm (inch)	1800 x 3700 (70.9 x 145.7)	1800 x 3700 (70.9 x 145.7)	1800 x 3700 (70.9 x 145.7)	1800 x 3700 (70.9 x 145.7)
Number of Decks	mm	2	2	2	2
Under Carriage					
Shoe Width	mm	500	500	500	500
Hydraulic Tank Capacity	Ltrs	435	435	435	435
Power Unit					
Engine		Scania DC13 Engine With Alternator		Scania DC13 Engine With Alternator	
Diesel Tank Capacity	Ltrs	720	720	720	720
Dimension					
Transport (L x W x H)	mm (inch)	19310 x 3450 x 4150 (760.2 x 135.8 x 163.4)	19310 x 3450 x 4150 (760.2 x 135.8 x 163.4)	19310 x 3450 x 4150 (760.2 x 135.8 x 163.4)	19310 x 3450 x 4150 (760.2 x 135.8 x 163.4)
Working (L x W x H)	mm (inch)	19450 x 12360 x 5145 (765.7 x 486.6 x 202.5)	19450 x 12360 x 5145 (765.7 x 486.6 x 202.5)	19450 x 12360 x 5145 (765.7 x 486.6 x 202.5)	19450 x 12360 x 5145 (765.7 x 486.6 x 202.5)
**Weight	Kg (Ton)	58500 (58.5)	58500 (58.5)	58500 (58.5)	58500 (58.5)

*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development



WORKING DIMENSIONS



Model	Units	A	B	C
TMC 220 S	mm	19450	12360	5145
TMC 250 S	mm	19450	12360	5145
TMC SM 200 S	mm	19450	12360	5145
TMC SM 250 S	mm	19450	12360	5145

Track Mounted Vertical Shaft Impactor TMV Series

The Track Mounted Vertical Shaft Impactor has the established track record of cost savings, durability and unmatched performance.



Feeding Control System

- VFD facilitates input feed rate.
- Maintains consistent Impactor efficiency.
- Metal Detector prevents entry of metal pieces from feed.
- Ensures hassle-free continuous operation

Vertical Shaft Impactor

- Application flexibility of VSI for desired output
- Available in Rock-on-Rock (RoR) cartridge for better cubical quality.
- Available in Rock-on-Anvil (RoA) cartridge for more sand production.
- Available rotor assembly with 3 / 4 / 5 ports to choose.

Light Mast

- Increased visibility during dark / night operation
- Effective illumination with Inbuilt LED
- Foldable telescopic mounts helps for easy shipments

Dust Suppression System

- Diminish the dust at discharge.
- High operator compatibility & safe
- Working environment

Dual Power Input

- Driven by electricity / diesel.
 - Quick & easy switch between modes
- Effective power saving.

Power Source with Acoustic Canopy

- Fuel Efficient Power Source with In-built Alternator.
- Well-insulated engine, dust & water-resistant.

Track

- Width : 500mm

Motorized Pulley

- Increased Uptime
- Low Maintenance
- High Efficiency



Wireless Tracking Remote

- Finest wireless track control.
- Easy & wide range of commands for marching.
- Operator convenience & safety guaranteed.



IoT Enabled

- Real-time tracking for issue prevention.
- Minimizes downtime with proactive solutions.
- Efficient issue resolution boosts operations.

TECHNICAL DATA

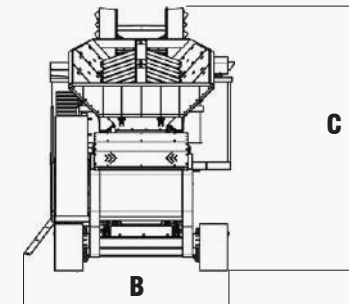
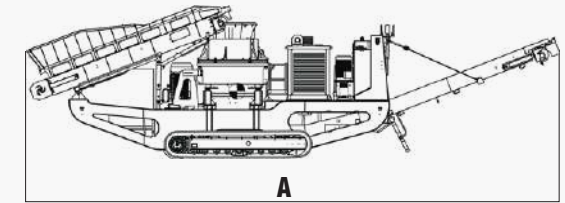
Series		TMV 200	TMV 300
Feed Size	mm (inch)	58 (2.3)	66 (2.6)
Rotor Speed	m (sec)	45-70	45-75
*Capacity	TPH	180 - 320	250 - 470
Hopper / Feeder			
Hopper Capacity	m ³	6	7
Feed Belt Width (mm)	mm	1000	1200
Main Conveyor			
Belt Width	mm	1000	1200
Discharge Height	mm	3600	3400
Stock Pile Capacity	m ³	69.4 @ 40°	58.4 @ 40°
Under Carriage			
Shoe Width	mm	500	500
Hydraulic Tank Capacity	Ltrs	390	390
Power Unit			
Engine		Scania DC13 Engine With Alternator (or) Volvo Penta TAD 1355 GE with Alternator	Scania DC16 Engine With Alternator
Diesel Tank Capacity	Ltrs	900	1000
Dimension			
Transport (L x W x H)	mm (inch)	17540 x 3500 x 4000 (690.6 x 137.8 x 157.5)	17500 x 3470 x 4190 (689.0 x 136.6 x 164.9)
Working (L x W x H)	mm (inch)	16570 x 3770 x 4830 (652.4 x 148.4 x 190.2)	16400 x 4110 x 5290 (645.6 x 161.8 x 208.3)
**Weight	Kg (Ton)	36000 (36.0)	46000 (46.0)

*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development



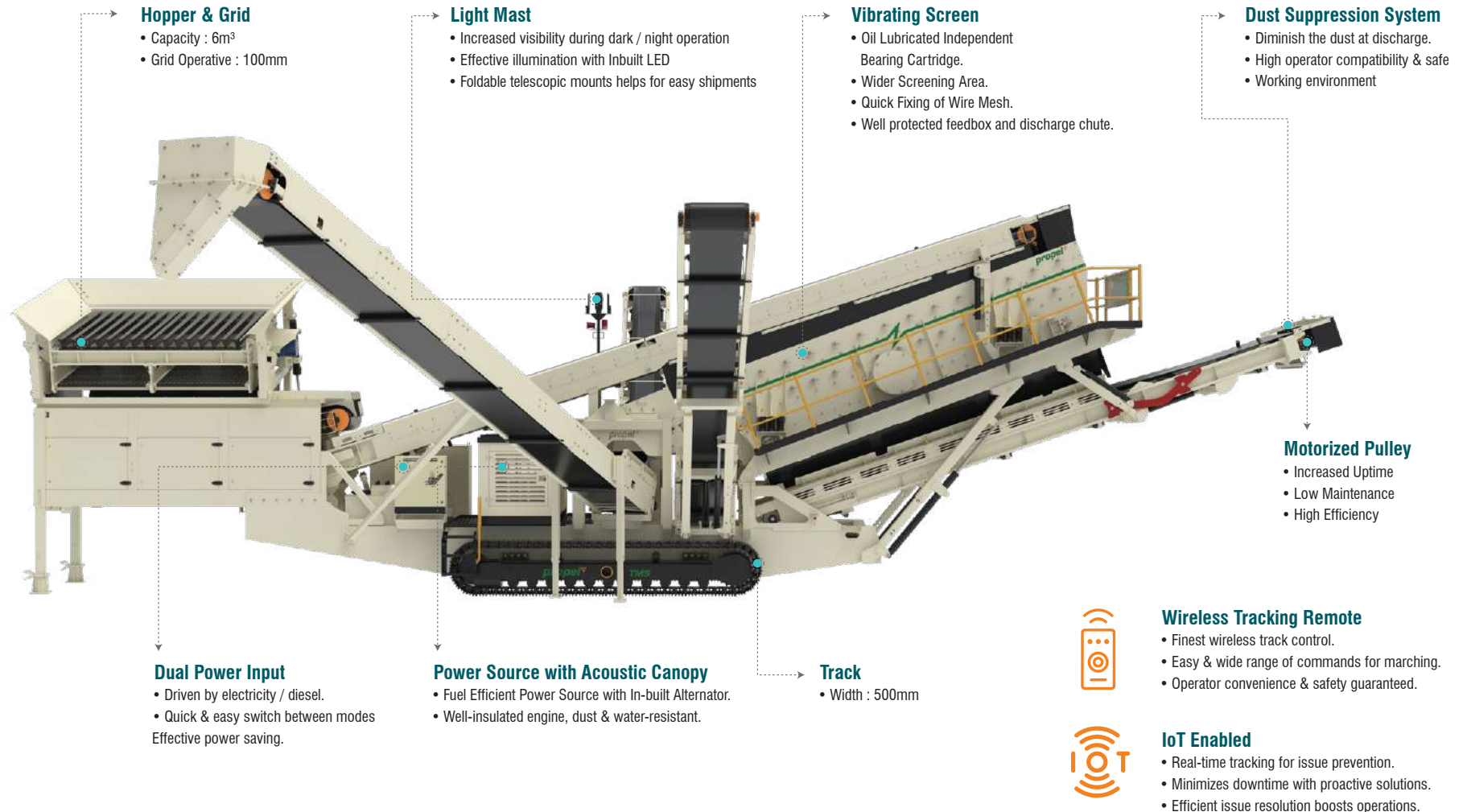
WORKING DIMENSIONS



Model	Units	A	B	C
TMV 200	mm	16570	3770	4830
TMV 300	mm	16400	4110	5290

Track Mounted Screen TMS Series (3 Deck)

Propel electrical mobile screens robust design, versatility and easily adjustable strokes enables screening for multiple applications.



TECHNICAL DATA

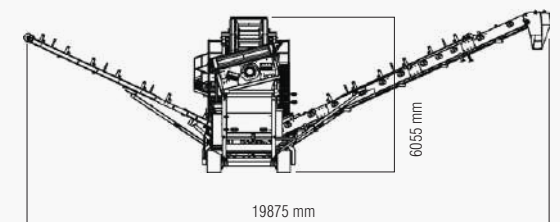
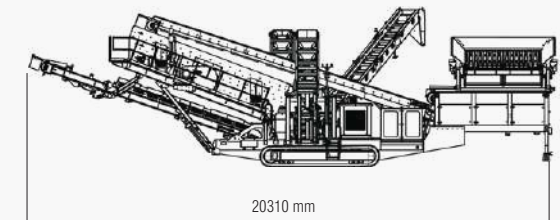
Series		TMS 1561
Top & Middle Deck Size	mm (inch)	6100 x 1530 (240.1 x 60.2)
Bottom Deck Size	mm (inch)	5280 x 1550 (207.9 x 61)
Number of decks		3
*Capacity	TPH	Up to 500
Hopper		
Hopper Capacity	m ³	6
Over size Side Conveyor		
Stock Pile Capacity	m ³	95@40°
Mid size Side Conveyor		
Stock Pile Capacity	m ³	157@40°
Bottom Deck Side Conveyor		
Stock Pile Capacity	m ³	157@40°
Under Size Product Conveyor		
Stock Pile Capacity	m ³	115@40°
Under Carriage		
Shoe Width	mm	500
Hydraulic Tank Capacity	Ltrs	390
Power Unit		
Engine		Volvo Eicher Commercial Vehicles (VECV) EE694 TCI Engine With Alternator
Diesel Tank Capacity	Ltrs	350
Dimension		
Transport (L x W x H)	mm (inch)	18620 x 3600x 4250 (733.0 x 141.7 x 167.3)
Working (L x W x H)	mm (inch)	20310 x 19875 x 6055 (800.0 x 782.5 x 238.4)
**Weight(Tipping grid)	Kg (Ton)	42000 (42.0)
**Weight(Vibrating grid)	Kg (Ton)	45000 (45.0)

*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development

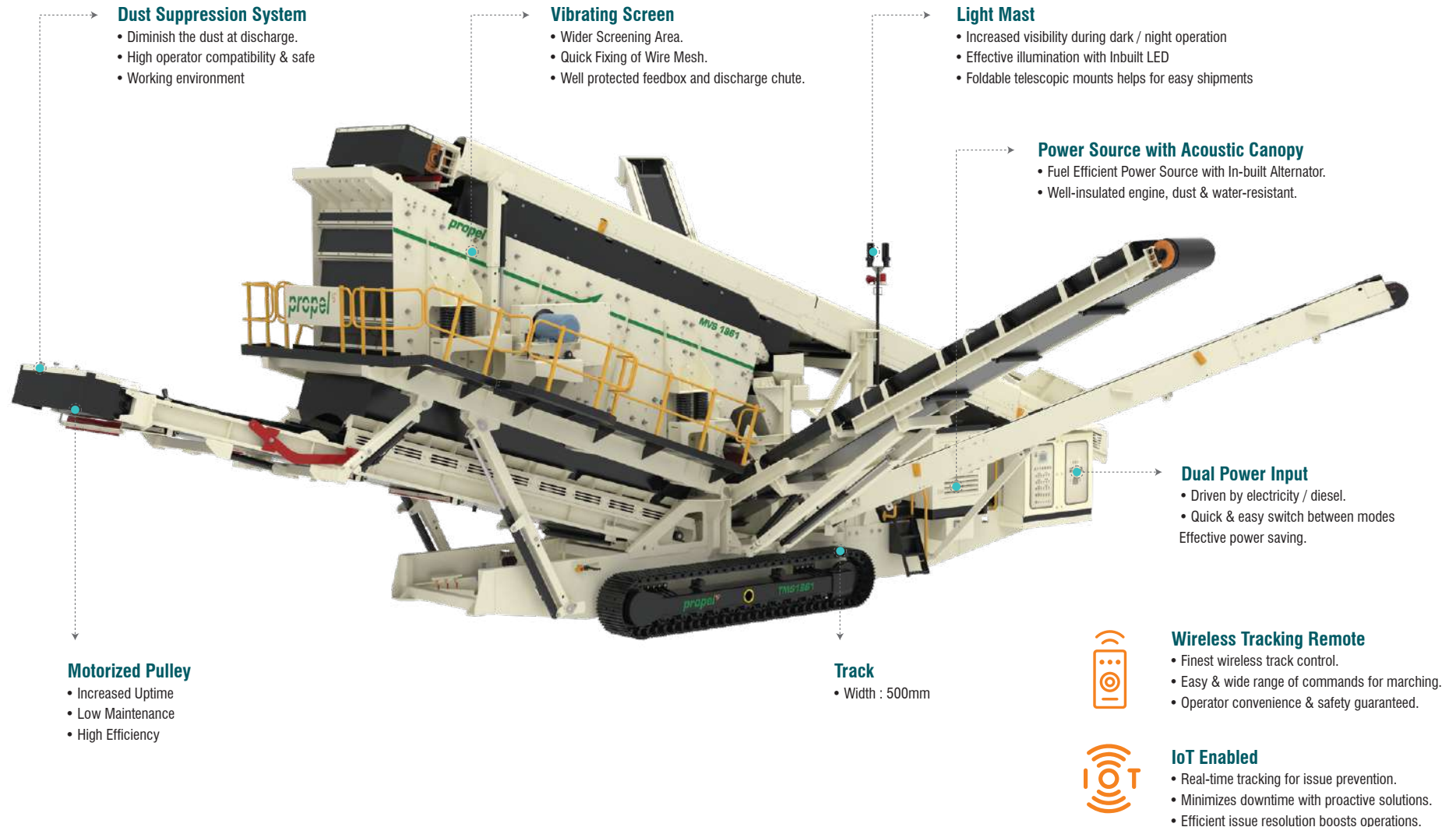


WORKING DIMENSIONS



Track Mounted Screen TMS Series (4 Deck)

The Track Mounted Screen from Propel Industries has the best of both technology and engineering expertise. The high engineered huck bolt fastening system has proven to be a very safe and reliable method.



Dust Suppression System

- Diminish the dust at discharge.
- High operator compatibility & safe
- Working environment

Vibrating Screen

- Wider Screening Area.
- Quick Fixing of Wire Mesh.
- Well protected feedbox and discharge chute.

Light Mast

- Increased visibility during dark / night operation
- Effective illumination with Inbuilt LED
- Foldable telescopic mounts helps for easy shipments

Power Source with Acoustic Canopy

- Fuel Efficient Power Source with In-built Alternator.
- Well-insulated engine, dust & water-resistant.

Dual Power Input

- Driven by electricity / diesel.
- Quick & easy switch between modes
- Effective power saving.

Wireless Tracking Remote

- Finest wireless track control.
- Easy & wide range of commands for marching.
- Operator convenience & safety guaranteed.



IoT Enabled

- Real-time tracking for issue prevention.
- Minimizes downtime with proactive solutions.
- Efficient issue resolution boosts operations.

Motorized Pulley

- Increased Uptime
- Low Maintenance
- High Efficiency

Track

- Width : 500mm

TECHNICAL DATA

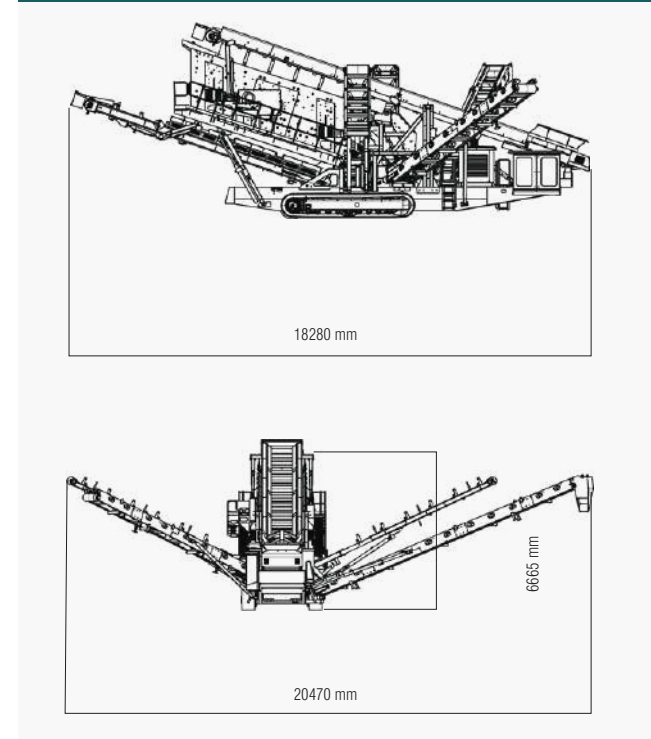
Series		TMS 1861
Top & Second Deck Size	mm (inch)	6000 x 1800 (236.2 x 70.9)
Third Deck Size	mm (inch)	5530 x 1800 (217.7 x 70.9)
Fourth Deck Size	mm (inch)	5400 x 1800 (212.6 x 70.9)
Number of decks		4
*Capacity	TPH	Up to 600
Hopper		
Hopper Capacity	m ³	2
Over size Side Conveyor		
Stock Pile Capacity	m ³	95@40°
Mid size Side Conveyor		
Stock Pile Capacity	m ³	157@40°
Mid Oversize Conveyor		
Stock Pile Capacity	m ³	95@40°
Bottom Deck Side Conveyor		
Stock Pile Capacity	m ³	157@40°
Under Size Product Conveyor		
Stock Pile Capacity	m ³	115@40°
Under Carriage		
Shoe Width	mm	500
Hydraulic Tank Capacity	Ltrs	390
Power Unit		
Engine	Volvo Eicher Commercial Vehicles (VECV) EE694 TCI Engine With Alternator (or) CAT C4.4 Engine with Alternator	
Diesel Tank Capacity	Ltrs	350
Dimension		
Transport (L x W x H)	mm (inch)	15620 x 3600 x 4100 (615.0 x 141.7 x 161.4)
Working (L x W x H)	mm (inch)	18280 x 20470 x 6665 (720.0 x 806.0 x 262.4)
Operational Dimension (including stockpile)	mm (inch)	24825 x 31550 x 6365 (977.4 x 1242.1 x 250.6)
**Weight	Kg (Ton)	53000 (53.0)

*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development

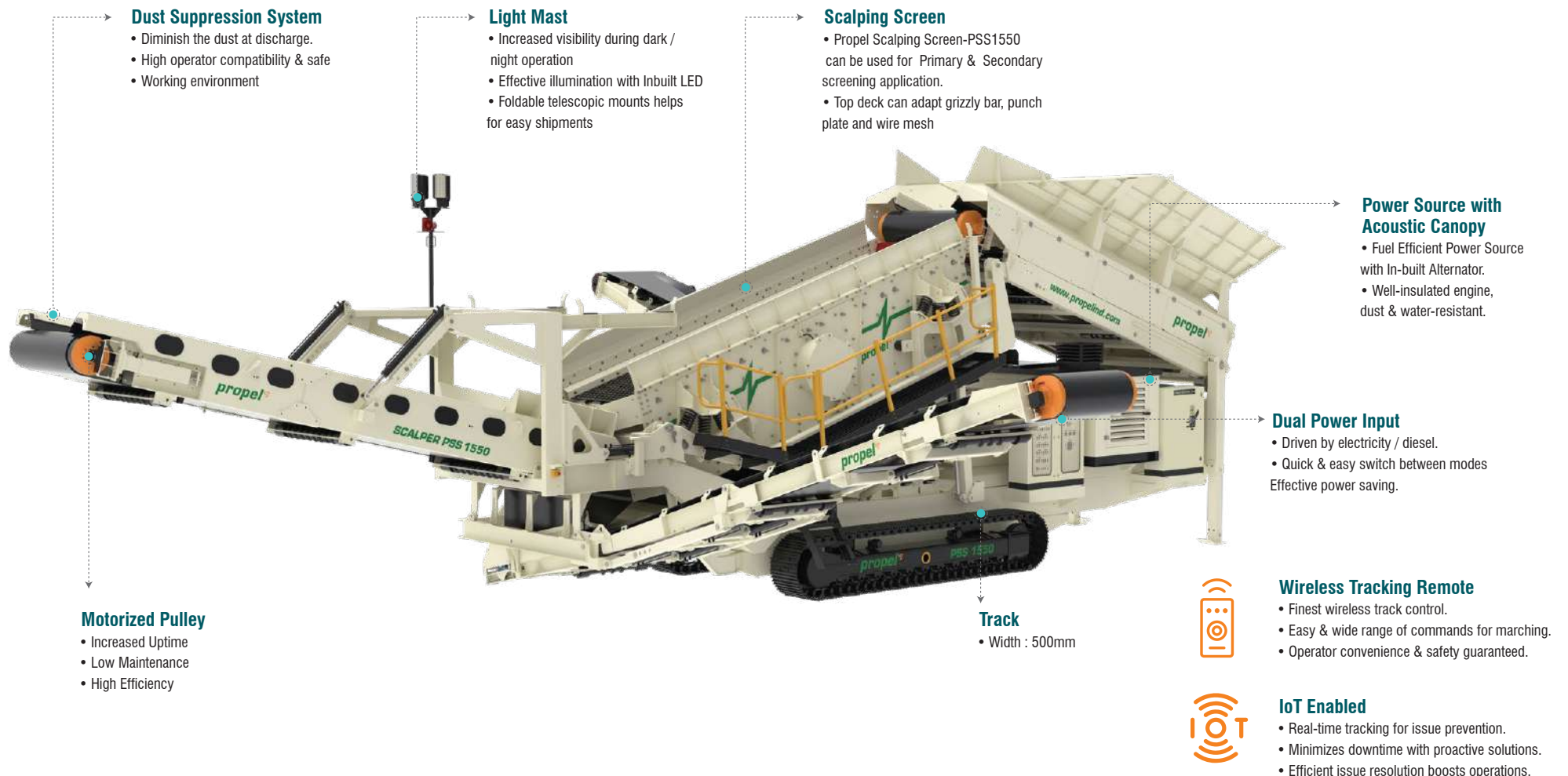


WORKING DIMENSIONS



Track Mounted Scalper PSS 1550

Propel Track Mounted Scalper PSS 1550 is a combination of extremely accurate scalp material screening of end product and high output. Its cost effectiveness is justified by its low fuel consumption, low operating and maintenance costs as well as high capacity and environmental friendly. Propel PSS 1550 can be used in multiple applications such as mining, recycling or normal aggregate pre-screening.



Dust Suppression System

- Diminish the dust at discharge.
- High operator compatibility & safe
- Working environment

Light Mast

- Increased visibility during dark / night operation
- Effective illumination with Inbuilt LED
- Foldable telescopic mounts helps for easy shipments

Scalping Screen

- Propel Scalping Screen-PSS1550 can be used for Primary & Secondary screening application.
- Top deck can adapt grizzly bar, punch plate and wire mesh

Power Source with Acoustic Canopy

- Fuel Efficient Power Source with In-built Alternator.
- Well-insulated engine, dust & water-resistant.

Dual Power Input

- Driven by electricity / diesel.
- Quick & easy switch between modes
- Effective power saving.

Wireless Tracking Remote

- Finest wireless track control.
- Easy & wide range of commands for marching.
- Operator convenience & safety guaranteed.

IoT Enabled

- Real-time tracking for issue prevention.
- Minimizes downtime with proactive solutions.
- Efficient issue resolution boosts operations.

Motorized Pulley

- Increased Uptime
- Low Maintenance
- High Efficiency

Track

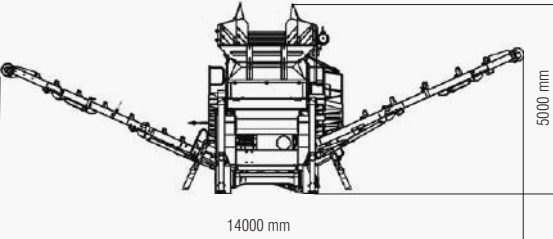
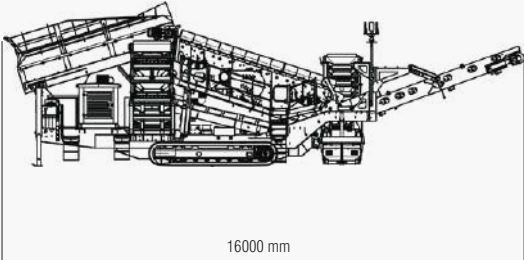
- Width : 500mm

TECHNICAL DATA

Series		PSS 1550
Top Deck Size	mm (inch)	4800 x 1540 (190.0 x 60.6)
Bottom Deck Size	mm (inch)	4700 x 1540 (185.0 x 60.6)
Number of decks		2
*Capacity	TPH	Up to 600
Hopper		
Hopper Capacity	m ³	7
Belt Feeder		
Belt Width	mm	1200
Apron Feeder		
Pan Width	mm	1000
Over size Conveyor		
Stock Pile Capacity	m ³	70
Mid size Conveyor		
Stock Pile Capacity	m ³	61
Fines Conveyor		
Stock Pile Capacity	m ³	95
Under Carriage		
Shoe Width	mm	400
Hydraulic Tank Capacity	Ltrs	300
Power Unit		
Engine	Volvo Eicher Commercial Vehicles (VECV) EE694 TCI Engine With Alternator (or) CAT C4.4 Engine with Alternator	
Diesel Tank Capacity	Ltrs	350
Dimension		
Transport (L x W x H)	mm (inch)	17350 x 3250 x 4050 (683.1 x 128.0 x 159.4)
Working (L x W x H)	mm (inch)	16000 x 14000 x 5000 (629.9 x 551.2 x 196.9)
**Weight (Belt Feeder)	Kg (Ton)	35000 (35.0)
**Weight (Apron Feeder)	Kg (Ton)	39500 (39.5)



WORKING DIMENSIONS



*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development

Profast Jaw PRFMJ Series

Profast series is a new breed of mobile crushing machines engineered to handle the hardest of rocks. It is ideal for producing high-quality aggregates and sand with multi-stage crushing and screening units and ensures trouble-free operation.

Auto Feeding System

- Regulated feed with ultrasonic sensor
- Ensures continuous choke feed
- Maintains wearing uniformity

Hopper

- Robust hopper flares that can stand heavy impacts
- High volume capacity

Jaw Crusher

- Large feed acceptance relative to the feed opening
- Higher reduction ratio with optimized nip angle
- Interchangeable and reversible jaw plates

Motorized Pulley

- Integrated cost effective solution.
- No regular oil / grease filling needed.
- Reduces drive mounting load.

Control Panel

- Equipped with PLC system

Double Axle Assembly

- Enables faster transport of the equipment

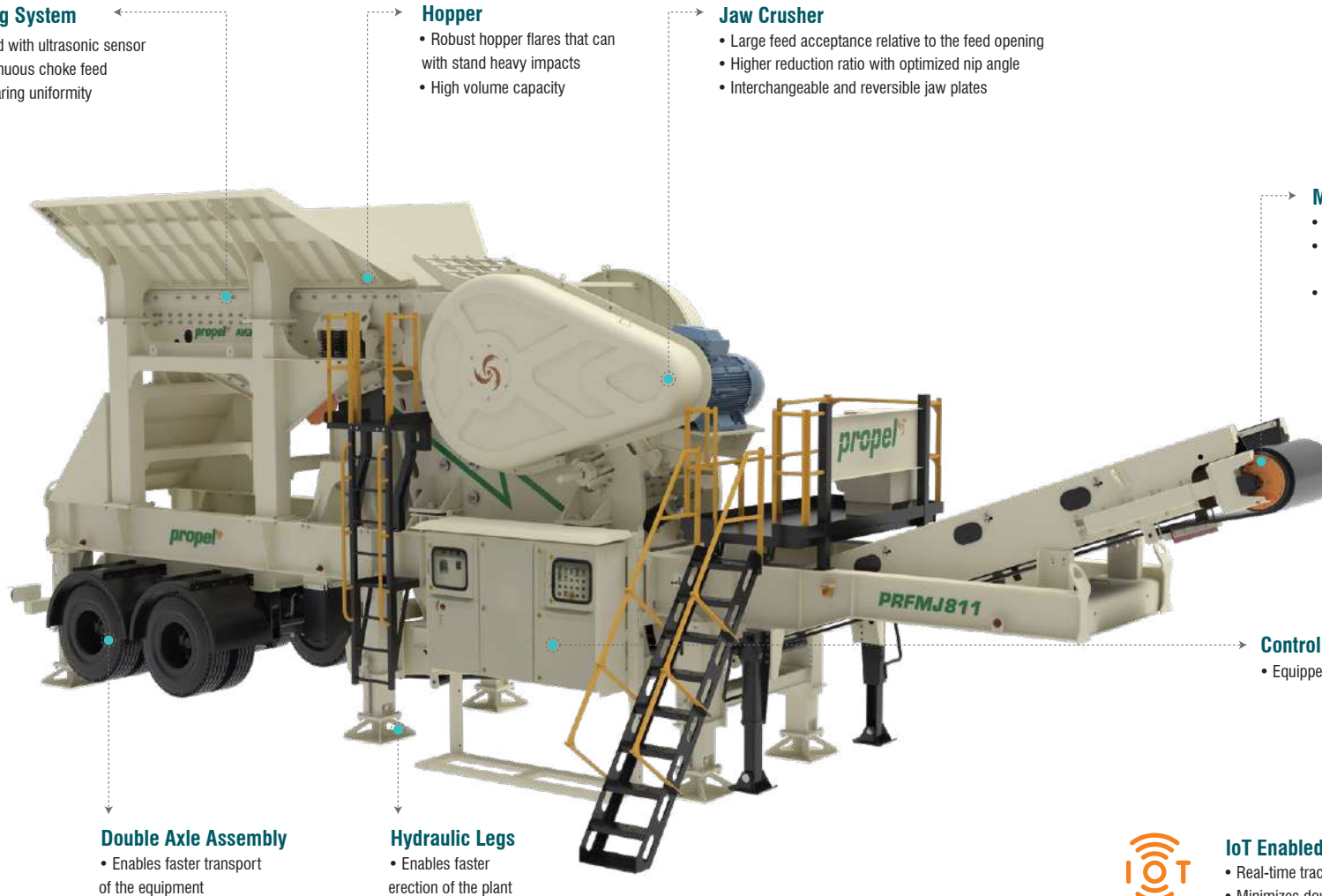
Hydraulic Legs

- Enables faster erection of the plant



IoT Enabled

- Real-time tracking for issue prevention.
- Minimizes downtime with proactive solutions.
- Efficient issue resolution boosts operations.



TECHNICAL DATA

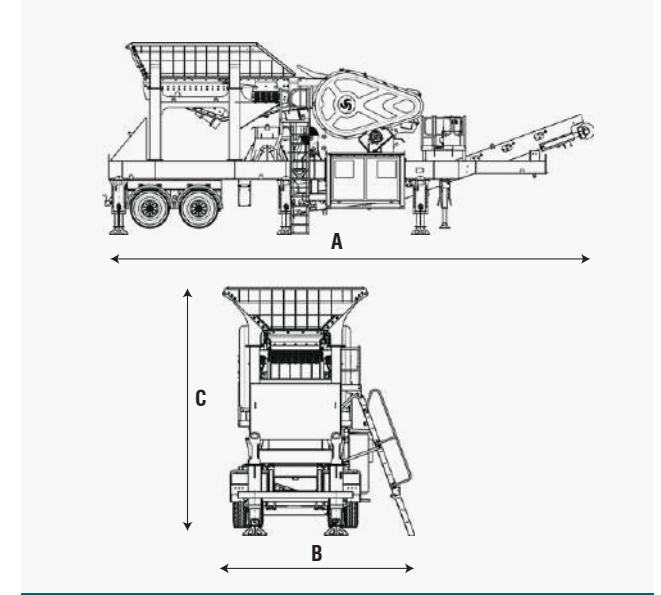
Series		PRFMJ 811	PRFMJ 811 V2	PRFMJ 912
Model		AVJ 811 (S)	AVJ 811 V2	AVJ 912
Feed Opening (W x L)		750 x 1064 (30.0 x 42.0)	840 x 1090 (33.1 x 42.9)	1250 X 980 (49.2 x 38.5)
Feed Size (Max.)		635 (25.0)	715 (28.2)	830 (32.7)
CSS Range		75 - 200 (3.0 - 8.0)	75 - 225 (3.0 - 9.0)	100-250 (3.94-9.84)
*Capacity		150-400	150-500	200-700
Crusher Weight		20700 (20.7)	23000 (23.0)	32000 (32)
Toggle Mechanism		Single Toggle Type	Single Toggle Type	Single Toggle Type
Construction		High Grade Carbon Steel with Welded Structure	High Grade Carbon Steel with Welded Structure	High Grade Carbon Steel with Welded Structure
FEEDER				
Model		AVGF 1142 V2	AVGF 1142 V2	AVGF 1344 V2
Tray Dimension (W x L)		1100 x 4200 (43.3 x 165.3)	1100 x 4200 (43.3 x 165.3)	1300 X 4400 (51.2x173.2)
AXLE				
Axle Assembly		Double Axle	Double Axle	Triple Axle
ELECTRICAL				
Jaw Motor Power		110 (150)	110 (150)	160 (220)
Total Power		135 (180)	135 (180)	190 (255)
Dimension				
Transport (L x W x H)		13150 x 3000 x 4750 (517.7 x 118.1 x 187.0)	13150 X 3000 X 4950 (517.7 X 118.1 X 195.0)	13020 X 3425 X 4755 (512.6 x 135.0 x 187.2)
**Weight		42500 (42.5)	45000 (45.0)	60500 (60.5)

*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development



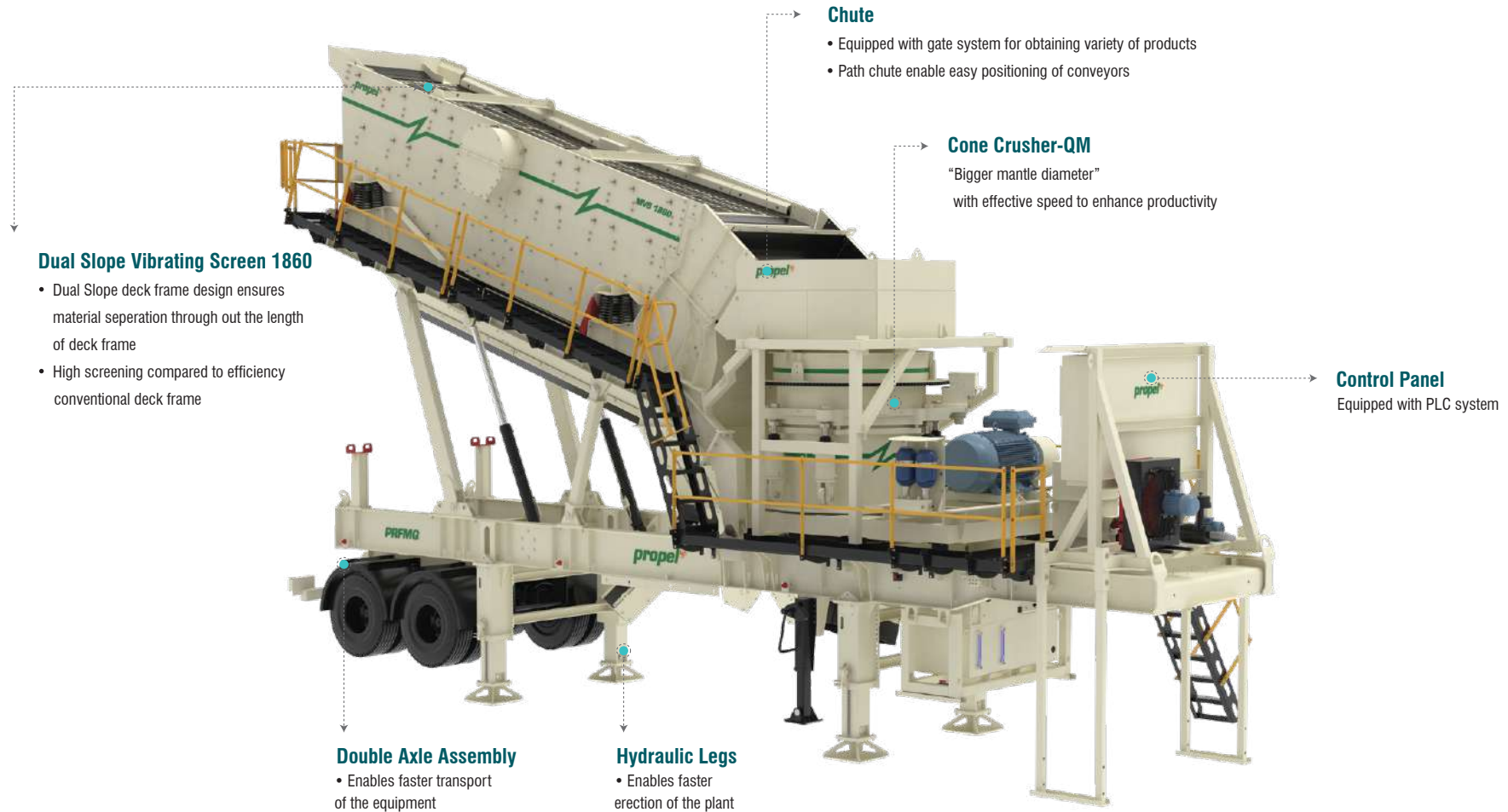
TRANSPORT DIMENSIONS



Model	Units	A	B	C
PRFMJ 811	mm	13150	3000	4750
PRFMJ 811 V2	mm	13150	3000	4950
PRFMJ 912	mm	13020	3425	4755

Profast Cone PRFMQ Series

The Profast Cone Crushers are best suited for the toughest quarrying and mining applications. It can be easily towed from one site to another. It features a unique combination of crusher speed, throw and cavity design.



IoT Enabled

- Real-time tracking for issue prevention.
- Minimizes downtime with proactive solutions.
- Efficient issue resolution boosts operations.

TECHNICAL DATA

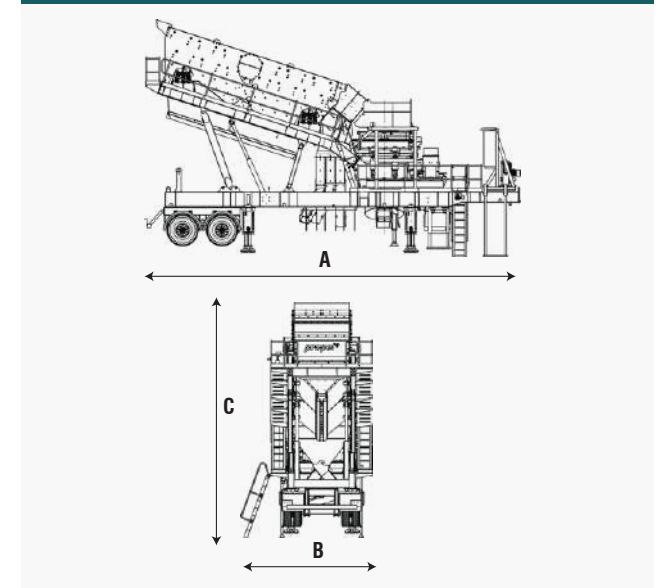
Series		PRFMQ 250	PRFM SQM 230	PRFM SQM 320	PRFM Q350
Feed Opening	mm (inch)	220 (8.7)	85 (3.3)	100 (3.9")	260 (10.2)
CSS Range	mm (inch)	26 - 45 (1.0 - 1.8)	15-30 (0.6-1.2)	15-35 (0.6-1.4)	30 - 50 (1.2-2.0)
*Capacity	TPH	150-380	125-250	180-375	215-540
Vibrating Screen					
Vibrating Screen		DS-1860	DS-1860	MVS-2060	MVS-2060
Size (W x L)	mm (inch)	1850 x 6000 (72.8 x 236.2)	1850 x 6000 (72.8 x 236.2)	2000 x 6000 (78.7 x 236.2)	2000 x 6000 (78.7 x 236.2)
Number of Decks		4	4	4	4
AXLE					
Axle Assembly		Double Axle	Double Axle	Triple Axle	Triple Axle
ELECTRICAL					
Motor Power	kW (hp)	187 (250)	187 (250)	220 (295)	220 (295)
Total Power	kW (hp)	220 (295)	220 (295)	242 (324.5)	242 (324.5)
Dimension					
Transport (L x W x H)	mm (inch)	13750 x 3600 x 4825 (541.3 x 141.7 x 190)	13750 x 3600 x 4825 (541.3 x 141.7 x 190)	15380 x 3336 x 4863 (605.5 x 131.3 x 191.5)	15380 x 3336 x 4863 (605.5 x 131.3 x 191.5)
**Weight	Kg (Ton)	45000 (45)	45000 (45)	58500 (58.5)	58500 (58.5)

*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development



TRANSPORT DIMENSIONS



Model	Units	A	B	C
PRFMQ 250	mm	13750	3600	4825
PRFM SQM 230	mm	13750	3600	4825
PRFM SQM 320	mm	15380	3336	4863
PRFM Q350	mm	15380	3336	4863

Profast Cone PRFMC Series

The Profast Cone Crushers are best suited for the toughest quarrying and mining applications. It can be easily towed from one site to another. It features a unique combination of crusher speed, throw and cavity design.



TECHNICAL DATA

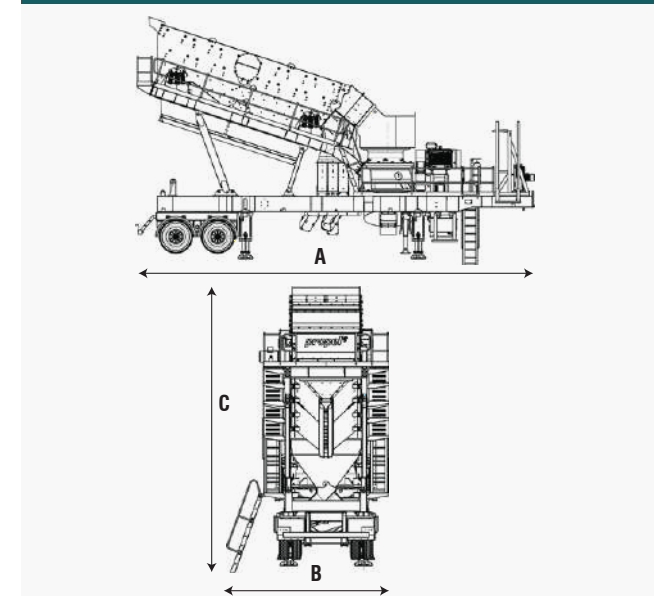
Series		PRFM SM 200	PRFMC 220	PRFMC 250	PRFM SM 250	
Model		SM200	AVC220	AVC250	SM250	
Feed Opening	mm	95	220	230	95	
	(inch)	(3.7)	(8.7)	(9.0)	(3.7)	
CSS Range	mm	14 - 28	24 - 35	26 - 35	14 - 30	
	(inch)	(0.6 - 1.1)	(0.9 - 1.4)	(1.0 - 1.4)	(0.5 - 1.2)	
*Capacity	TPH	120-185	140-320	160-340	150-240	
Dual Slope Vibrating Screen - 1860 - 4D						
Size (W x L)	mm	1850 x 6000	1850 x 6000	1850 x 6000	1850 x 6000	
	(inch)	(72.8 x 236.2)	(72.8 x 236.2)	(72.8 x 236.2)	(72.8 x 236.2)	
Number of Decks		4	4	4	4	
ELECTRICAL						
Motor Power	kW	160	160	187	187	
	(hp)	(215)	(215)	(250)	(250)	
Total Power	kW	200	200	220	220	
	(hp)	(268)	(268)	(295)	(295)	
Dimension						
Transport (L x W x H)		mm (inch)	13750 x 3600 x 4825 (541.3 x 141.7 x 190)	13750 x 3600 x 4825 (541.3 x 141.7 x 190)	13750 x 3600 x 4825 (541.3 x 141.7 x 190)	13750 x 3600 x 4825 (541.3 x 141.7 x 190)
**Weight	Kg	42500	42500	42500	42500	
	(Ton)	(42.5)	(42.5)	(42.5)	(42.5)	

*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development



TRANSPORT DIMENSIONS

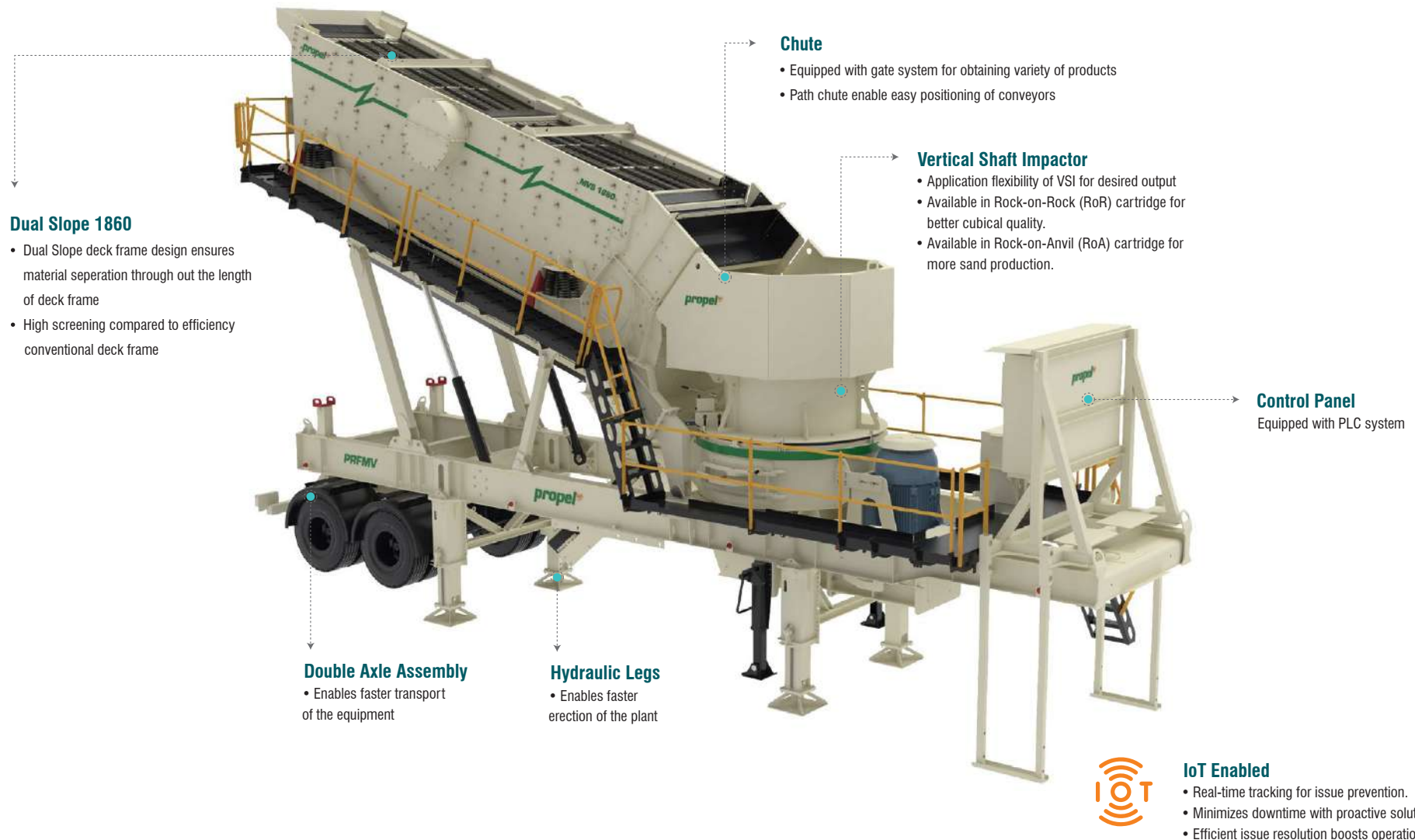


Model	Units	A	B	C
PRFMC 220	mm	13750	3600	4825
PRFMC 250	mm	13750	3600	4825
PRFM SM 200	mm	13750	3600	4825
PRFM SM 250	mm	13750	3600	4825

Profast Vertical Shaft Impactor

PRFMV Series

The Profast Vertical Shaft Impactor Crushers produce excellent product shape and can be fine-tuned to match the specific requirements in gradation curves. They are best suited for a quick return on investment / timeline by fast tracking the purchase to production timelines.



TECHNICAL DATA

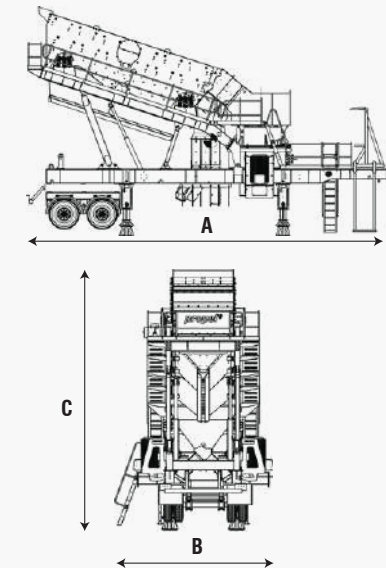
Series		PRFMV 200	PRFMV 250
Model		AVVI 200	AVVI 250
Feed Size (Max)	mm (inch)	58 (2.3)	58 (2.3)
*Capacity	TPH	180 - 320	210 - 370
Rotor Speed	m/s	45 - 70	45 - 70
No. of Parts	mm (inch)	3 / 4 / 5	3 / 4 / 5
Dual Slope Vibrating Screen - 1860 - 4D			
Size (W x L)	mm (inch)	1850 x 6000 (72.8 x 236.2)	1850 x 6000 (72.8 x 236.2)
Number of Decks		4	4
ELECTRICAL			
Motor Power	kW (hp)	220 (300)	2 x 132 (2 x 180)
Total Power	kW (hp)	250 (330)	290 (390)
Dimension			
Transport (L x W x H)	mm (inch)	13750 x 3600 x 4825 (541.3 x 141.7 x 190)	13750 x 3600 x 4825 (541.3 x 141.7 x 190)
**Weight	Kg (Ton)	36500 (36.5)	38800 (38.8)

*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development



WORKING DIMENSIONS



Model	Units	A	B	C
PRFMV 200	mm	13750	3600	4825
PRFMV 250	mm	13750	3600	4825

Jaw Crusher AVJ Series

Propel AVJ series single toggle Jaw Crusher offers maximum possible fatigue strength and best reliability with various mounting possibilities. The fully-welded sturdy construction results in lowering the production cost per ton.



Large feed acceptance capability. Interchangeable and reversible jaw plates.



Easy and safe adjustment mechanism. Optimized nip angle.



Enhanced capacity with high reduction ratio. Hydraulic wedge / Toggle mechanism (optional).



Real-time tracking enables proactive issue prevention and efficient problem resolution, minimizing downtime.

TECHNICAL DATA

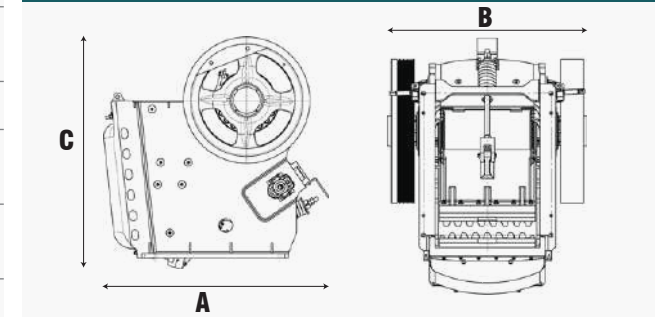
Series		AVJ 508	AVJ 709	AVJ 811	AVJ 811 (S)	AVJ 912	AVJ 1214
Feed Opening	mm (inch)	570 x 800 (22.4 x 31.5)	700 x 900 (27.6 x 35.4)	840 x 1090 (33.1 x 42.9)	750 x 1064 (29.5 x 41.9)	980 x 1250 (38.6 x 49.2)	1200 x 1400 (47.2 x 55.1)
Feed Size (Max.)	mm (inch)	450 (17.7)	550 (21.6)	715 (28.1)	635 (25.0)	830 (32.7)	1020 (40.2)
*Capacity	TPH	75 - 300	75 - 350	150 - 500	150 - 400	200 - 700	350 - 800
CSS Range	mm (inch)	50 - 175 (2.0 - 6.9)	50 - 175 (2.0 - 6.9)	75 - 225 (3.0 - 8.9)	75 - 200 (3.0 - 7.9)	100 - 250 (4.0 - 10.0)	125 - 250 (5.0 - 10.0)
Crusher Speed (rpm)		300	275	245	265	225	225
Mounting Type (optional)		Skid	Skid	Skid	Skid / Wheel Mounted/ Crawler Mounted	Skid / Wheel Mounted	Skid
Jaw Plates		Interchangeable & Reversible	Interchangeable & Reversible	Interchangeable & Reversible	Interchangeable & Reversible	Reversible	Reversible
Lubrication		Grease	Grease	Grease	Grease	Grease	Grease
Construction		High grade carbon steel with welded structure					
Motor Power	kW (hp)	55 (75)	75 (100)	110 (150)	110 (150)	160 (215)	220 (300)
Weight kg (Ton)	kg (Ton)	10000 (10.0)	14500 (14.5)	22000 (22.0)	20700** (20.7)	32000 (32.0)	62000** (62.0)
Hydraulic Wedge & Refraction Option		N/A	N/A	YES	YES	YES	YES

*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development



WORKING DIMENSIONS



Model	Units	A	B	C
AVJ 508	mm	2410	1672	2204
AVJ 709	mm	2683	1855	2545
AVJ 811	mm	3136	2248	2866
AVJ 811 (S)	mm	3726	2320	2815
AVJ 912	mm	3262	2540	3365
AVJ 1214	mm	1672	3789	3878

Cone Crusher

AVC Series

The AVC Series of Propel Cone Crusher offers the higher crushing efficiency and end product quality with lower cost per ton production. These crushers feature a unique combination of crusher speed, throw and cavity design.



Dual-dust seal system.
User-friendly SMS system.



Bigger mantle diameter combined with
effective speed to enhance productivity.



Availability of specially defined chambers to
crush coarse/fine feed materials and also to
cover open / closed circuit.



Real-time tracking enables proactive issue
prevention and efficient problem resolution,
minimizing downtime.

COARSE CHAMBER

Series		AVC 125	AVC 160	AVC 220	AVC 250	AVC 350
Feed Opening	mm (inch)	145 (5.7)	180 (7.1)	220 (8.7)	230 (9.1)	EC 250 C 200 (9.8) (7.9)
Feed Size (Max.)	mm (inch)	120 (4.7)	150 (6.0)	190 (7.5)	200 (7.9)	EC 220 C 180 (8.7) (7.1)
*Capacity	TPH	80-110	100-225	140-320	160-340	300 - 400
CSS Range	mm (inch)	22 - 30 (0.9 - 1.2)	24 - 32 (0.9 - 1.3)	24 - 35 (0.9 - 1.4)	26 - 35 (1.0 - 1.4)	20 - 45 (0.8 - 1.8)
Mounting Type (Optional)		Skid	Skid	Skid / Wheel Mounted / Crawler Mounted		
Motor Power	kW (hp)	75 (100)	110 (150)	160 (215)	187 (250)	220 - 315 (295 - 422)
Weight	kg (Ton)	6500 (6.5)	10000 (10.0)	13300 (13.3)	13300 (13.3)	16600 (16.6)

Design Type : Bush Type

Lubrication : Pressurized oil & grease

Construction : High grade carbon steel casting

FINE CHAMBER

Series		SM 100	SM 150	SM 200	SM 250	SM 320
Feed Opening	mm (inch)	50 (2.0)	75 (3.0)	95 (3.7)	95 (3.7)	95 (3.7)
Feed Size (Max.)	mm (inch)	45 (1.8)	60 (2.4)	75 (3.0)	75 (3.0)	80 (3.1)
*Capacity	TPH	60-90	85-140	120-185	150-240	230-320
CSS Range	mm (inch)	12 - 28 (0.5 - 1.1)	12 - 28 (0.5 - 1.1)	14 - 28 (0.5 - 1.1)	14 - 35 (0.5 - 1.4)	10 - 25 (0.4 - 1.0)
Mounting Type (Optional)		Skid	Skid	Skid / Wheel Mounted / Crawler Mounted		
Motor Power	kW (hp)	75 (100)	110 (150)	160 (215)	187 (250)	220-250 (295)
Weight	kg (Ton)	6600 (6.6)	10100 (10.1)	13400 (13.4)	13500 (13.5)	16300 (16.3)

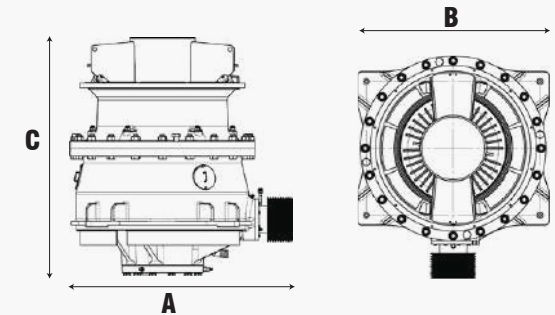
Design Type : Bush Type

Lubrication : Pressurized oil & grease

Construction : High grade carbon steel casting



WORKING DIMENSIONS



Model	Units	A	B	C
AVC-125	mm	1593	1470	2120
AVC-160	mm	1810	1800	2375
AVC-220	mm	2065	2018	2623
AVC-250	mm	2065	2018	2623
AVC-350	mm	2296	1978	2451
AVC-350 WT BASE FRAME	mm	3488	2424	2793
SM-100	mm	1593	1470	2120
SM-150	mm	1810	1800	2375
SM-200	mm	2065	2018	2623
SM-250	mm	2065	2018	2623
SM-320	mm	2296	1978	2451

Cone Crusher QM-Series

Propel QM series Cone Crushers combine the best power utilization per cone diameter, cavity design of higher density, optimized crusher speed and efficient throw. The higher cavity density improves the inter-particle crushing action.



Propel QM series cone crushers provide unbeatable performance in secondary & tertiary applications.



They have hydraulic setting adjustment, tramp release and cavity clearing.



Hydro dynamic high alloy bronze bearing design provides better load capability in the dusty, high shock crushing environment.



Real-time tracking enables proactive issue prevention and efficient problem resolution, minimizing downtime.

Series		QM 250	QM 350	SQM 230	SQM 320
Chamber Type		Coarse Chamber		Fine Chamber	
Feed Opening	mm (inch)	220 (8.7)	260 (10.2)	85 (3.3)	100 (4.0)
*Capacity	TPH	150 - 380	215 - 540	125 - 250	180 - 375
CSS Range	mm (inch)	26 - 45 (1.0 - 1.8)	30 - 50 (1.2 - 2.0)	15 - 30 (0.6 - 1.2)	15 - 35 (0.6 - 1.4)
Mounting Type (Optional)		Skid / Crawler Mounted / Wheel Mounted			
Design Type		Bush Type			
Lubrication		Pressurized oil & grease			
Construction		High Grade Carbon Steel Casting			
Motor Power	kW (hp)	187 (250)	220 (300)	187 (250)	220 (300)
Weight	kg (Ton)	16800 (16.8)	24000 (24.0)	16900 (16.9)	24100 (24.1)

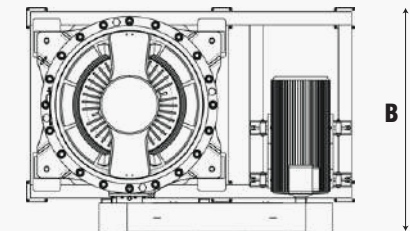
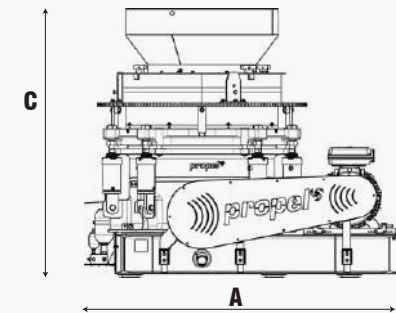
*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development

Model	Units	A	B	C
QM 250	mm	3399	2272	2834
QM 350	mm	3652	3046	3169
SQM 230	mm	3399	2272	2834
SQM 320	mm	3652	3046	3169



WORKING DIMENSIONS



Gyratory Cone Crusher

AVCG Series

The Gyratory Cone Crusher delivers increased capacity with reduced maintenance and downtime. It guarantees trouble-free operation in varying feed conditions with a high reduction ratio. It has large and stable feed opening, steep cavity and effective strokes.



High crushing performance and low operational costs.



Constant feed opening crushing chamber. Large feed opening to match application and field adjustable crushing stroke.



Spider bush eliminates capacity loss caused with plain bearing wear. Quiet operation



Real-time tracking enables proactive issue prevention and efficient problem resolution, minimizing downtime.

TECHNICAL DATA

Series		AVCG 350	AVCG 600
Feed Opening	mm (inch)	Extra Coarse (380) / Coarse (300) Extra Coarse (15.0) / Coarse (11.8)	Extra Coarse (450) / Coarse (360) Extra Coarse (17.7) / Coarse (14.2)
*Capacity	TPH	300 - 400	375 - 550
CSS Range	mm (inch)	30 - 50 (1.2 - 2.0)	50 - 70 (2.0 - 2.8)
Mounting Type (Optional)		Skid	Skid
Design Type		Bush Type	Hydro dynamic bush bearing
Lubrication		Pressurized oil & grease	Pressurized oil & grease
Construction		High Grade Carbon Steel Casting	High Grade Carbon Steel Casting
Motor Power	kW (hp)	220 - 250 (295.0 - 335.2)	315 (420)
Weight	kg (Ton)	19500 (19.5)	38000 (38.0)

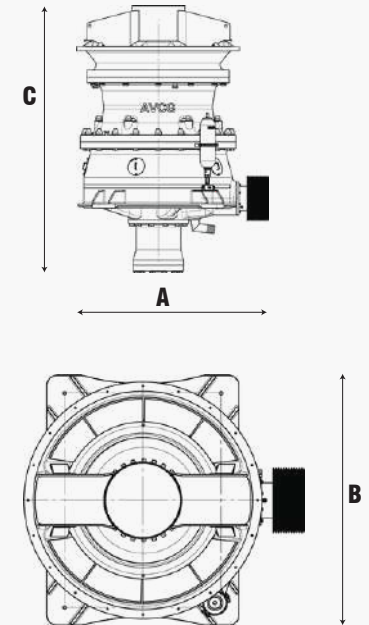
*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development

Model	Units	A	B	C
AVCG 350	mm	2286	1978	2806
AVCG 600	mm	2730	2455	3802



WORKING DIMENSIONS



Vertical Shaft Impactor

AVVI Series

Propel Vertical Shaft Impactor has been developed with inputs from aggregate producers. The high velocity impact crusher in Propel VSI enhances the shape of the aggregates and improves the surface structure. It is suitable for all types of materials.



Steel structure for smooth operation. Simple inter-changeable cartridge type rock box for 'rock-on-rock' applications.



Hydraulic feed control In-built device. Parallel flow system provides increased capacity and less micro fines content.



Crusher impact combined with speed gives the unique shape resulting in production of high-quality manufactured sand conforming to C 144 standards.



Real-time tracking enables proactive issue prevention and efficient problem resolution, minimizing downtime.

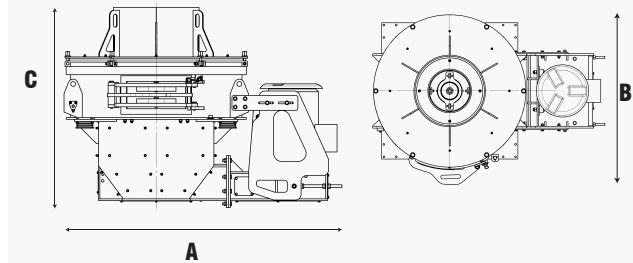
TECHNICAL DATA

Series		AVVI 55	AVVI 75	AVVI 90	AVVI 110	AVVI 130	AVVI 160
Feed Size (Max.)	mm (inch)	32 (1.3)	32 (1.3)	43 (1.7)	43 (1.7)	43 (1.7)	43 (1.7)
*Capacity	TPH	40 - 80	50 - 110	60-120	80-140	100-160	130-190
Rotar Diameter	mm (inch)	680 (26.8)	680 (26.8)	710 (28.0)	710 (28.0)	710 (28.0)	710 (28.0)
Rotar Speed	m/sec	45 - 60	45 - 70	45 - 70	45 - 70	45 - 70	45 - 70
Impact Cartridge Options		Rock-on-Rock					
Port Options		3 / 4					
Lubrications		Grease					
Motor Power	kW (hp)	55 (75)	75 (100)	90 (120)	110 (150)	132 (177)	160 (150)
Weight	kg (Ton)	4200 (4.2)	4600 (4.6)	6400 (6.4)	6600 (6.6)	6600 (6.6)	6800 (6.8)

Series		AVVI 190	AVVI 220	AVVI 260	AVVI 320	AVVI 375	AVVI 450	AVVI 500	AVVI 630
Feed Size (Max.)	mm (inch)	58 (2.3)	58 (2.3)	58 (2.3)	58 (2.3)	66 (2.6)	66 (2.6)	66 (2.6)	66 (2.6)
*Capacity	TPH	120-260	150-290	180-340	240-400	265-485	340-560	400-600	530-730
Rotar Diameter	mm (inch)	880 (34.6)	880 (34.6)	880 (34.6)	880 (34.6)	990 (39.0)	990 (39.0)	990 (39.0)	990 (39.0)
Rotar Speed	m/sec	45-70	45-70	45-70	45-75	45-75	45-75	45-75	45-75
Impact Cartridge Options		Rock-on-Rock / Rock-on-Anvil							
Port Options		3 / 4 / 5							
Lubrications		Grease							
Motor Power	kW (hp)	187 (250)	220 (300)	2 x 132 (2 x 175)	2 x 160 (2 x 215)	2 x 187 (2 x 250)	2 x 220 (2 x 300)	2 x 250 (2 x 335)	2 x 315 (2 x 425)
Weight	kg (Ton)	9700 (9.7)	9700 (9.7)	11500 (11.5)	11600 (11.6)	14200 (14.2)	15400 (15.4)	15400 (15.4)	15400 (15.4)



WORKING DIMENSIONS

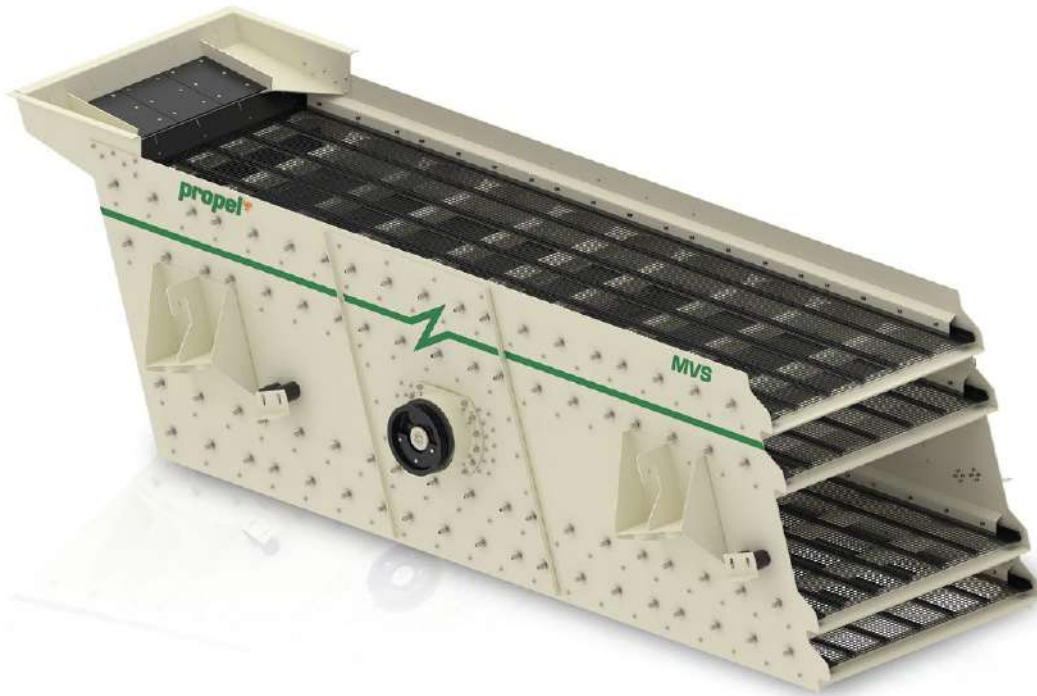


Model	Units	A	B	C
AVVI 55	mm	2520	1847	1822
AVVI 75	mm	2520	1847	1822
AVVI 90	mm	2828	2094	2204
AVVI 110	mm	2828	2094	2204
AVVI 130	mm	2828	2094	2204
AVVI 160	mm	2828	2094	2204
AVVI 190	mm	3195	2414	2480
AVVI 220	mm	3195	2414	2480
AVVI 260	mm	4272	2414	2480
AVVI 320	mm	4272	2414	2480
AVVI 375	mm	4456	2462	2937
AVVI 450	mm	4456	2642	2937
AVVI 500	mm	4456	2642	2937
AVVI 630	mm	4456	2642	2937

Vibrating Screen MVS Series

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Propel MVS screens are versatile. They can be used for primary, secondary and tertiary screening. MVS screen standard slope angle is 18° but can be modified for special applications. It can be used for wet screening fitted with spray pipes.



High screening capacity and excellent performance.



Unique angle of the circular motion
MVS Screens are able to achieve higher productivity.



Modular design is available either as 1, 2, 3 or 4 deck and has excellent segregation to suit the aggregate and mining industries requirements.

Series		MVS 1540	MVS 1845	Dual Slope 1860	MVS 2060	MVS 2561	MVS 1850
Screen Size (W x L)	mm (inch)	1500 x 4000 (59.1 x 157.5)	1800 x 4500 (71.0 x 177.2)	1850 x 6000 (72.9 x 236.2)	2000 x 6000 (78.7 x 236.2)	2500 x 6100 (98.4 x 240.2)	1800 x 5000 (70.9 x 196.9)
Screening Area	sq.m	6.0	8.1	11.1	12.0	15.1	8.91
*Capacity	TPH	Upto 300	Upto 400	Upto 500	Upto 650	Upto 800	Upto 200
Number of Decks		2 / 3 / 4	2 / 3 / 4	4	2 / 3 / 4	3 / 4	1
Mounting Type (optional)		Skid	Skid	Skid	Skid	Skid	Skid
Screen Position		Inclined	Inclined	Inclined	Inclined	Inclined	Inclined
Type of Motion		Circular	Circular	Elliptical	Circular	Circular	Circular
Motor Power	kW (hp)	15 (20)	15 (20)	15 (20)	22 (30)	30 (40)	2X5 (6.7)
Weight	kg (Ton)	3500 / 4300 / 5100 (3.5 / 4.3 / 5.1)	4000/4800/5400 (4.0/4.8/5.4)	7600 (7.6)	6000 / 7500 / 8700 (6.0/ 7.5 / 8.7)	12500 / 14500 (12.5 / 14.5)	4000 (4.0)

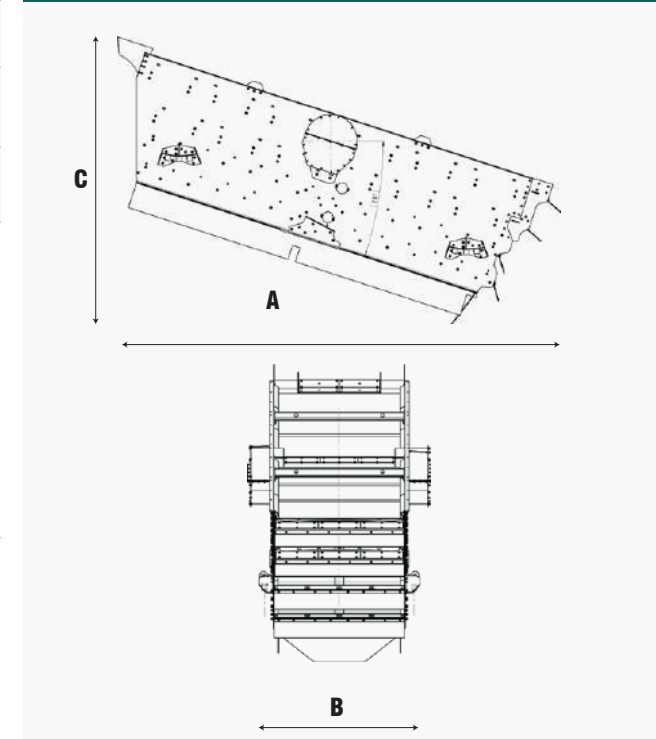
*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development

Model	Units	A	B	C
MVS 1540	mm	4486	2220	3640
MVS 1845	mm	4956	2520	3792
Dual Slope 1860	mm	6517	2591	4230
MVS 2060	mm	6417	2730	4377
MVS 2561	mm	6326	3240	4907
MVS 1850	mm	5366	2520	2293

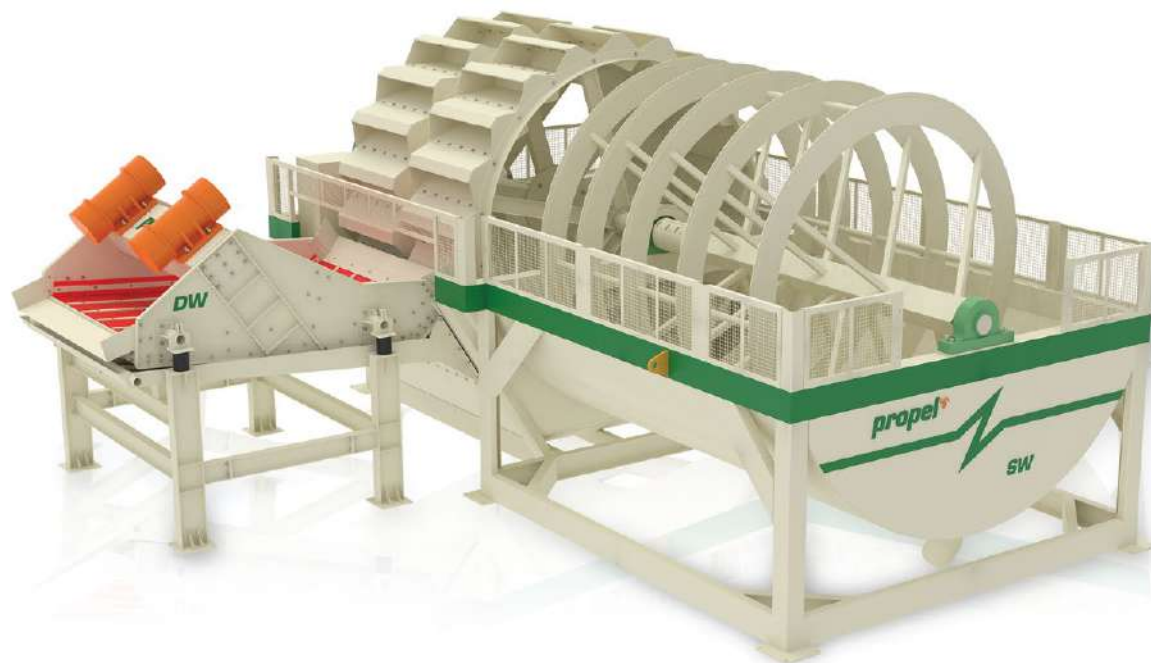


WORKING DIMENSIONS



Sand Washer SW Series

Bucket type sand washing equipment can improve the sand quality. Propel Sand Washers adopt advanced technology for high efficiency sand washing.



Cartridge type bucket wheel and spiral arrangement bucket speed controlled by VFD to control percentage of fines.



High-tech planetary gear reducer is used for better and efficient maintenance.



Total water trough is protected by anti-corrosive coating.



Real-time tracking enables proactive issue prevention and efficient problem resolution, minimizing downtime.

TECHNICAL DATA

Series		SW 75	SW 100	SW 150	SW 200
*Capacity	TPH	45 - 60	60 - 80	90 - 120	120 - 160
Wheel diameter	m	2.27	2.5	2.75	3.1
Number of buckets	No's	34	36	42	42
Screw Diameter	mm (inch)	1800 (71.0)	1700 (67.0)	2200 (86.6)	2800 (110.2)
Water Tank Capacity	ltrs	4500	5000	6000	8000
Motor Power	kW (hp)	5.5 (7)	7.5 (10)	9.3 (12)	9.3 (12)
Weight	kg (Ton)	3600 (3.6)	5200 (5.2)	7100 (7.1)	8500 (8.5)

DEWATERING SCREEN

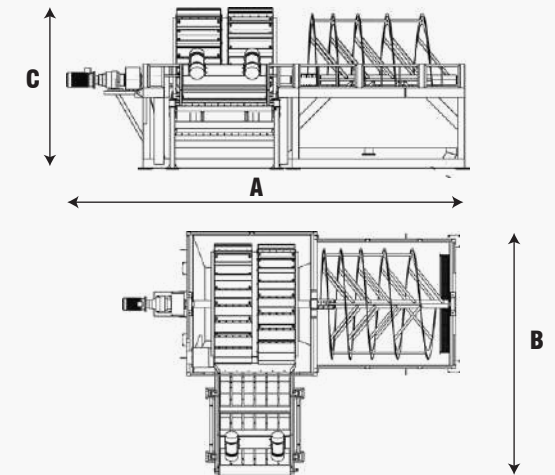
Series		SDW 75	SDW 100	SDW 150	SDW 200
Screen Area (Wx L)	mm (Inch)	900 x 1800 (35.4 x 71.0)	1200 x 2150 (47.2 x 84.6)	1500 x 2500 (59.1 x 98.4)	1800 x 2500 (71.0 x 98.4)
*Capacity	TPH	45 - 60	60 - 80	90 - 120	120 - 160
Operating Angle	deg	5°	5°	5°	5°
Motor Power	kW (hp)	2 x 1.13 (2 x 2)	2 x 1.5 (2 x 2)	2 x 2.2 (2 x 3)	2 x 3.2 (2 x 4)
Weight	kg (Ton)	775 (0.77)	850 (0.85)	1300 (1.3)	1900 (1.9)

*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development



WORKING DIMENSIONS

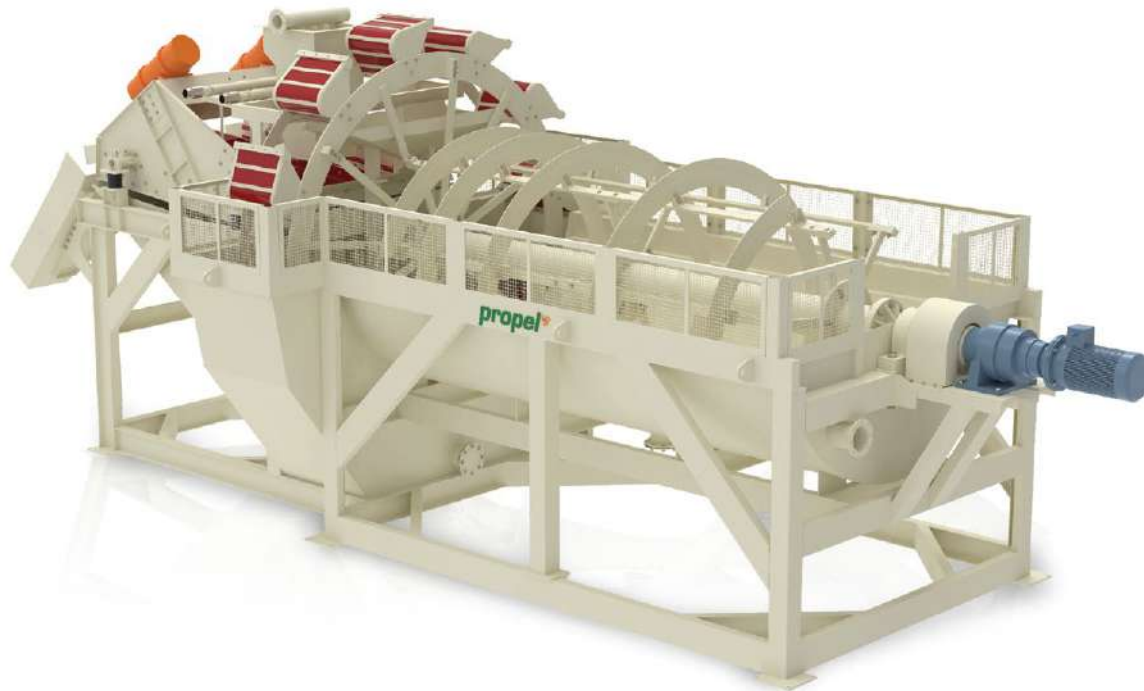


Model	Units	A	B	C
SW75	mm	5775	4685	2566
SW100	mm	6830	5406	3086
SW150	mm	7900	5777	3206
SW200	mm	8510	6145	3485

Dual Sand Washer

DSW 100

Propel Dual sand washing machine is a wheel bucket type and are mainly used for washing ,classification of end product M-sand and P-sand . Very low energy consumption and low maintenance costs.



Cartridge type bucket wheel and spiral arrangement bucket speed controlled by VFD to control percentage of fines.



High-tech planetary gear reducer is used for better and efficient maintenance.



Total water trough is protected by anti-corrosive coating.



Real-time tracking enables proactive issue prevention and efficient problem resolution, minimizing downtime.

TECHNICAL DATA

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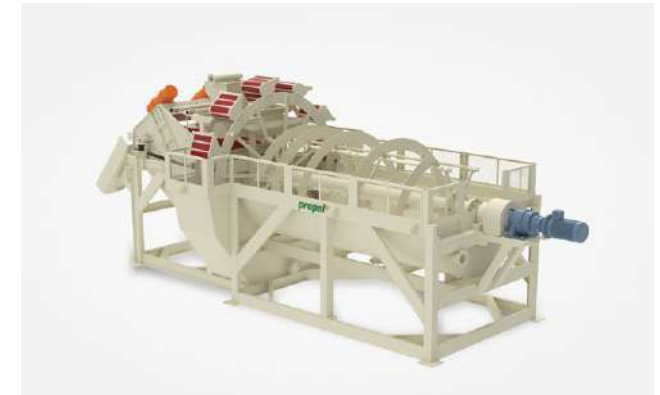
Series		DSW 100
*Capacity	TPH	60 to 80
Wheel diameter	m	3.4
Number of buckets	No's	12
Screw Diameter	mm (inch)	1800 (71.0)
Water Tank Capacity	ltrs	8000
Motor Power	kW (hp)	9.3 (12.6)
Weight	kg (Ton)	11000 (11.0)

DEWATERING SCREEN

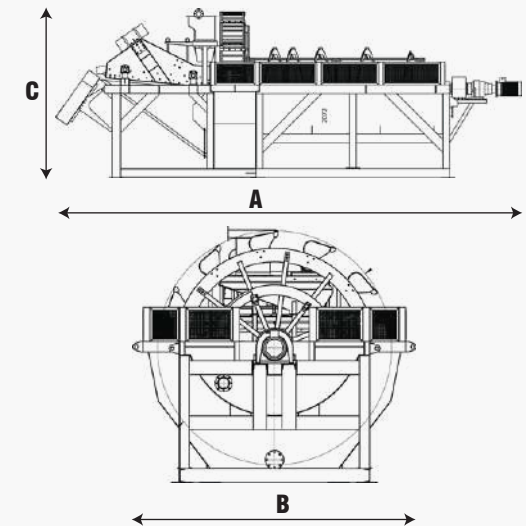
Series		DSDW 100
Screen Area (Wx L)	mm (Inch)	1500 x 2500 (59.1 x 98.4)
*Capacity	TPH	60 - 80
Operating Angle	deg	5°
Motor Power	kW (hp)	2 x 2.2 (2 x 3)
Weight	kg (Ton)	1300 (1.3)

*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development



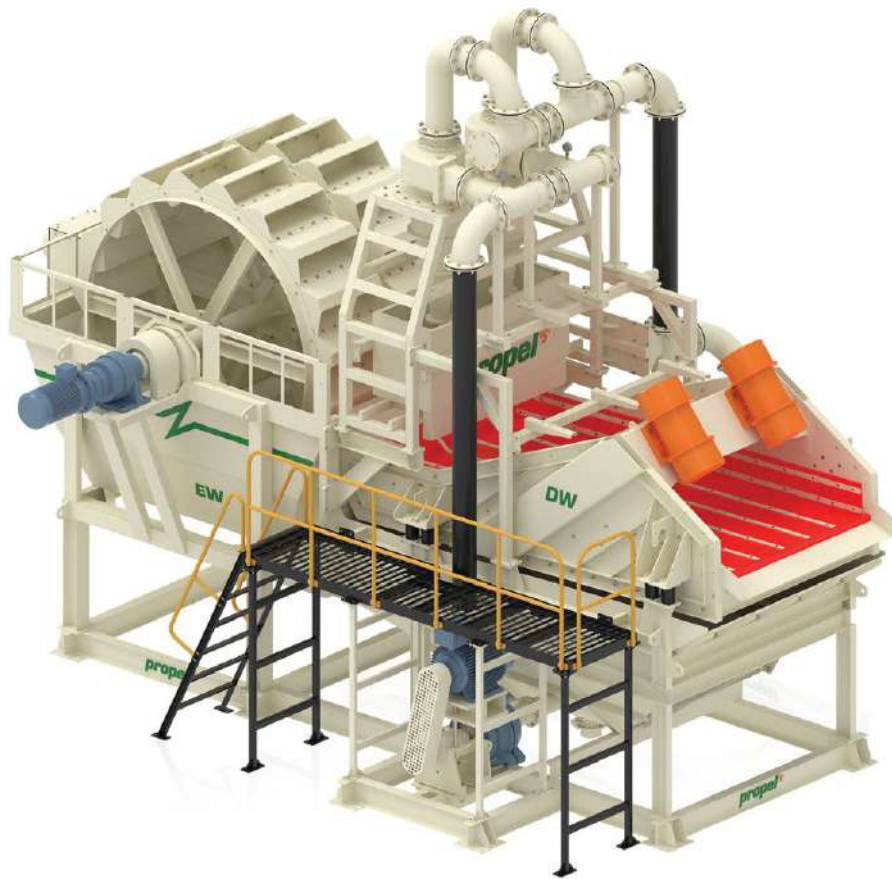
WORKING DIMENSIONS



Model	Units	A	B	C
DSW 100	mm	10315	3832	3587

ECO Wash EW Series

Propel Eco Wash provides consistent solutions for all material and mineral washing needs. It offers excellent reliability, ease of transport and fast onsite installation. It facilitates the accurate separation of silt and clay from the washed sand products.



Bucket wheel with VFD performs 75 to 80% of the work of reducing wear on pump and cyclone whilst increasing operating efficiency.



Maximum recovery of all material above 75 μ m.



High frequency dewatering screens with polyurethane modular mats.



Real-time tracking enables proactive issue prevention and efficient problem resolution, minimizing downtime.

TECHNICAL DATA

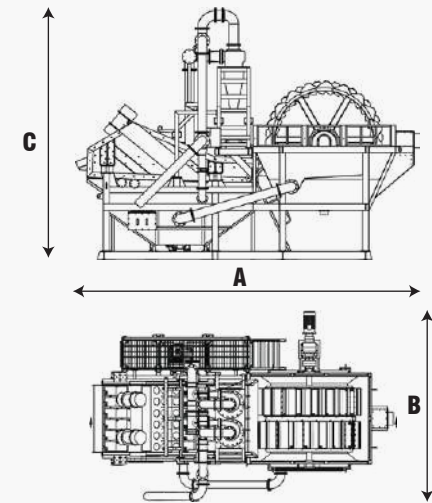
Series		EW100	EW150	EW200
*Capacity	TPH	60 - 80	90 - 120	120 - 160
Cyclone Size	mm (Inch)	400 (15.7)	400 (15.7)	2 x 400 (0.1x 15.7)
Slurry Pump Size (Suction x Delivery)	mm (Inch)	101.6 x 76.2 (4.0 x 3.0)	101.6 x 76.2 (4.0 x 3.0)	152.4 x 101.6 (6.0 x 4.0)
Slurry Pump Capacity	m ³ /hr	125	125	200
Wheel Diameter	mm (Inch)	2450 (96.5)	2760 (108.7)	2760 (108.7)
Number of Bucket	No's	36	38	38
Slurry Pump Power	kW (hp)	15 (20)	15 (20)	30 (40)
Bucket Motor Power	kW (hp)	7.5 (10)	9.3 (12)	9.3 (12)
Weight	kg (Ton)	7700 (7.7)	7800 (7.8)	9500 (9.5)

DEWATERING SCREEN

Series		EDW 100	EDW 150	EDW 200
Screen Area (W x L)	mm	1500 x 2500	1800 x 2500	1800 x 4000
*Capacity	TPH	60 - 80	90 - 120	120 - 160
Operating Angle	deg	5°	5°	2°
Motor Power	kW (hp)	2 x 2.2 (2 x 3)	2 x 3.2 (2 x 4)	2 x 6.2 (2 x 8)
Weight	kg (Ton)	1300 (1.3)	1900 (1.9)	3800 (3.8)



WORKING DIMENSIONS



Model	Units	A	B	C
EW 100	mm	6000	4200	4666
EW 150	mm	6440	4550	5100
EW 200	mm	8050	4900	5900

*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development

Pro Wash PW Series

Propel Pro Wash series is designed to ensure maximum efficiency from the washing plant. It facilitates the extremely accurate separation of silts and clays from the final washed sand products (m-Sand & p-Sand). It is employed in the production of specialised sands



Feed box with rubber/PU lined reduces the material impact directly onto screen deck and increases the operational life.



Need for secondary pump is not required as it eliminates the slurry pressure with the help of its high discharge point.



Anti – turbulence inlets and weir discharge system. Modular construction for application flexibility sand / ores



Real-time tracking enables proactive issue prevention and efficient problem resolution, minimizing downtime.

TECHNICAL DATA

Series		PW 100 V2	PW 150 V2	PW 200 V2	PW 250 V2	DP 250
*Capacity	TPH	60 - 80	90 - 120	120 - 160	150 - 250	200-250
Hydro Cyclone Size	mm (inch)	400 (15.7)	400 (15.7)	500 (19.7)	500 (19.7)	500 (19.7)
Slurry Pump Size (Suction x Delivery)	mm (inch)	152.4 x 101.6 (6.0 x 4.0)	203.2 x 152.4 (8.0 x 6.0)	203.2 x 152.4 (8.0 x 6.0)	203.2 x 152.4 (8.0 x 6.0)	203.2 x 152.4 (8.0 x 6.0)
Slurry Pump Capacity	m ³ / hr	120	200	250	270	270
Slurry Pump Power	kw (hp)	15 (20)	30 (40)	37 (50)	45 (60)	45 (60)
Weight	kg (Ton)	8400 (8.4)	8800 (8.8)	11800 (11.8)	14000 (14.0)	30300 (30.3)

DEWATERING SCREEN

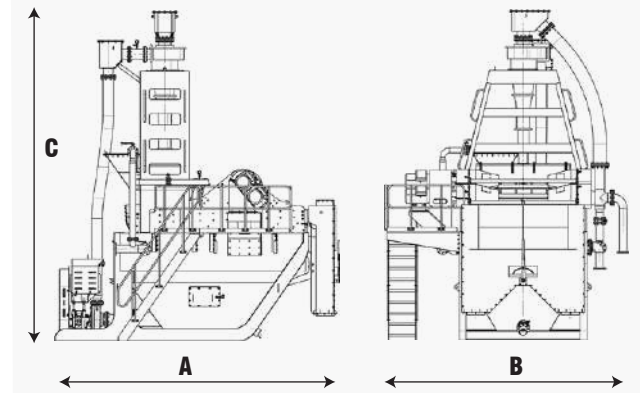
Series		PDW 100	PDW 150	PDW 200	PDW 250	DP 250
Screen Area (W x L)	mm	1800 x 2800	1800 x 2800	1800 x 4000	2400 x 3850	2400 x 3850
*Capacity	TPH	60 - 80	90 - 120	120 - 160	150 - 250	150 - 250
Operating Angle	deg	0° to 2°	0° to 2°	0° to 2°	0° to 2°	0° to 2°
Motor Power	kW (hp)	2 x 2.88 (2 x 4)	2 x 2.88 (2 x 4)	2 x 6.2 (2 x 8)	2 x 11 (2 x 15)	2 x 11 (2 x 15)
**Weight	Kg (Ton)	2400 (2.4)	2400 (2.4)	3800 (3.8)	4900 (4.9)	4900 (4.9)

*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development



WORKING DIMENSIONS



Model	Units	A	B	C
PW-100	mm	5785	3950	5806
PW-150	mm	5785	3950	5806
PW-200	mm	6470	3800	7058
PW-250	mm	6382	5422	7386
DP 250	mm	6382	9495	7879

Pro Air Classifier AVAC Series

Propel Pro Air Classifier offers the most efficient dry – classifying solution to remove fines from natural sand or crushed sand. It combines gravitational, inertial, centrifugal and aerodynamic forces to efficiently classify materials to increase productivity.



Pro Air Classifier produces high quality sand for all range of applications including concrete manufacture (M-Sand).



Propel Pro Air Classifier is eco-friendly and removes fines without using a single drop of water.



The parts of the equipment which are exposed to sand surfaces are covered with wear liners.



Real-time tracking enables proactive issue prevention and efficient problem resolution, minimizing downtime.

TECHNICAL DATA

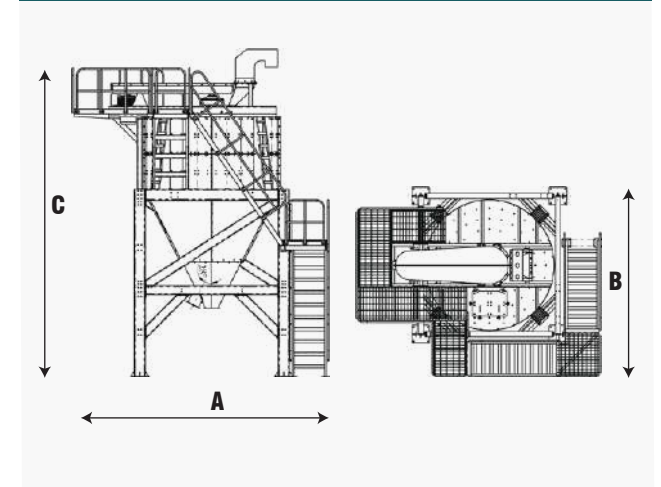
Series		AVAC 100	AVAC 150	AVAC 200
Diameter	mm (inch)	3100 (122.0)	3800 (149.6)	4350 (171.3)
Feed Size (Max.)	mm (inch)	6 (0.2)	6 (0.2)	6 (0.2)
*Capacity	TPH	60 - 70	90 - 120	120 - 160
Air Flow	cfm	200 - 400	300 - 600	400 - 850
Moisture (Max.)	%	2	2	2
Motor Power	kW (hp)	30 (40)	45 (60)	55 (75)
Weight	kg (Ton)	11200 (11.2)	15700 (15.7)	17000 (17.0)

*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development



WORKING DIMENSIONS



Model	Units	A	B	C
AVAC 100	mm	5865	4509	7441
AVAC 150	mm	6250	5367	8468
AVAC 200	mm	6884	5904	9261

Thickener AVTH Series

Propel AVTH Thickener Series is designed for seamless integration with Propel washing solutions for efficient water treatment. With flocculent delivery system, it ensures optimum settling of the solids and provides efficient water recovery.



Propel AVTH Thickener series can be used as clarifiers for removal of minerals or fines from the process water.



Waste water from the washing systems is delivered to the center of the thickener to allow maximum time for material settlement.



Ensures quick and safe access to the integrated cone section minimizing the time required for maintenance and maximizing equipment availability.



Real-time tracking enables proactive issue prevention and efficient problem resolution, minimizing downtime.

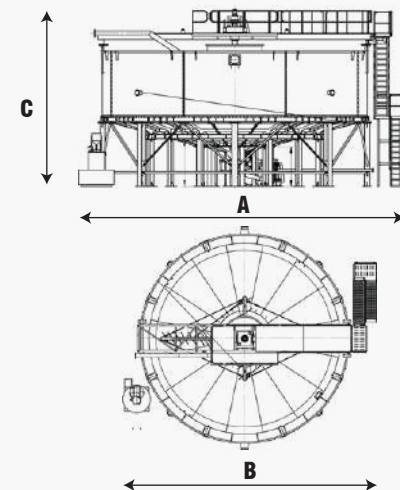
Series		AVTH 06	AVTH 08	AVTH 10	AVTH 12
Diameter of Tank (m)	m	6	8	10	12
Side Wall depth of Tank (m)	m	1.8	2	2.4	3
Volume of Tank	m ³	50	150	205	374
Rake Arm Lift	mm (Inch)	-	300 (11.8)	300 (11.8)	300 (11.8)
Rake Speed	rpm	0.13 - 0.3	0.13 - 0.3	0.13 - 0.3	0.13 - 0.3
*Capacity	TPH	10	20	30	45
Slurry Pump Power	kW (hp)	7.5 (10.05)	7.5 (10.05)	11 (15)	15 (20)
Total Power	kW (hp)	18 (29.5)	15 (20)	17.5 (25)	22 (30)
Type		TEFC Squirrel Cage Motor		TEFC Squirrel Cage Motor	
Weight	Kg (Ton)	20000 (20.0)	20000 (20.0)	33000 (33.0)	42000 (42.0)

*Details may vary based on application

Note: All the above technical details may vary at any time during engineering process & design development



WORKING DIMENSIONS



Model	Units	A	B	C
AVTH 6M	mm	9705	6985	6392
AVTH 8M	mm	11376	10621	7058
AVTH 10M	mm	12258	10985	7360
AVTH 12M	mm	14701	12992	8006

Grizzly Feeder AVGF Series



FOR MORE INFO

Capacity : 250 TPH to 1000 TPH
Feed Size (Max) : 450 mm to 1200 mm

Feeder Screen PFS Series



FOR MORE INFO

Capacity : 250 TPH to 900 TPH
Feed Size (Max) : 560 mm to 1200 mm

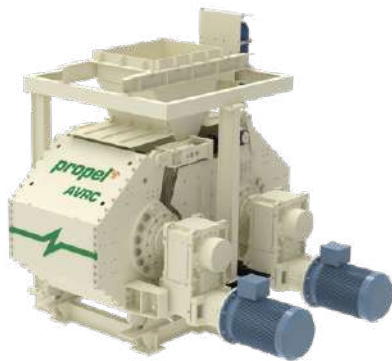
Pan Feeder AVPF Series



FOR MORE INFO

Capacity : 300 TPH to 450 TPH
Feed Size : 300 mm

Roll Crusher AVRC Series



FOR MORE INFO

Capacity : 50 TPH to 150 TPH
Feed Size (Max) : 45 mm

Horizontal Shaft Impactor AVHI Series



FOR MORE INFO

Capacity : 160 TPH to 300 TPH
Feed Size (Max) : 350 mm

Your Gateway to Enhanced Crusher Performance

Propel's cutting-edge PROLIVE IoT mobile application revolutionizes the way you monitor and manage your crushers with PLC-based automation control systems. With PROLIVE, you can:



Remote Monitoring

Keep an eye on your crushers from anywhere, ensuring optimal performance at all times.



Troubleshooting

Quickly identify and address issues, minimizing downtime and maximizing productivity.



Increased Uptime

By proactively monitoring your equipment, PROLIVE helps you reduce unexpected shutdowns and increase operational efficiency.



Enhanced Productivity

Optimize crusher performance based on real-time data, improving overall productivity.



Data Security

By proactively monitoring your equipment, PROLIVE helps you reduce unexpected shutdowns and increase operational efficiency.

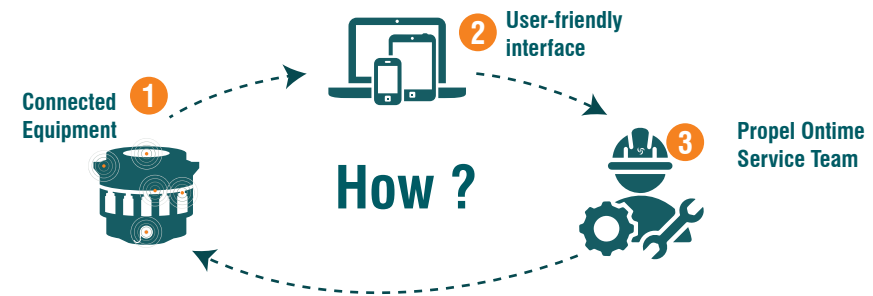


Predictive Solutions

Optimize crusher performance based on real-time data, improving overall productivity.

Propel PROLIVE integrates three essential components for data-driven decision-making.

It retrieves data directly from your plant's equipment, establishing IIOT Platform in the cloud. This information is meticulously organized, enabling prompt actions. Additionally, you maintain constant connectivity to Propel experts, collaborating seamlessly to determine optimal solutions for every challenge.



What truly integrates all these aspects is our Propel Performance Teams, which blend global and local expertise. They are fluent in your operations, speak your language, and possess in-depth knowledge of your equipment.

- ◆ All the KPI are in your hands like Utilization, Run Hours, and MIS Reports.
- ◆ Dashboards Parameter monitoring.
- ◆ Summary of each machine in the line.
- ◆ Machine alerts and service alerts App notifications, WhatsApp, SMS, and e-mail.
- ◆ Last 24 hours live KW Trend.
- ◆ Rule-based diagnostic alert, service call, and spare parts replacement alerts.
- ◆ Bird-eye view and geo-fence possibility.
- ◆ Fuel tank level, fuel-fill, fuel-drop, and consumption reports.
- ◆ Increase in work efficiency improvement in operational and work safety.



Note:

- ◆ Mobile GSM 4G SIM –Network connectivity must be healthy at site for continuous monitoring
- ◆ Data Security will be taken care by propel as per Indian standards and data only used for machine diagnostic purpose respective customers.

Propel Elevate Machine Monitoring for Optimal Production

Propel Electrical & Automation (E&A) proudly presents Proconnect, a cutting-edge solution designed with scalability, reliability, configurability, and quality at its core. Proconnect-SCADA is tailored to meet the evolving challenges of the industry, offering real-time control, monitoring, and reporting capabilities. It empowers operators with seamless access to operational data, fostering communication, collaboration, and informed decision-making. Whether your enterprise is large or small, Proconnect provides a robust, scalable, and industry-neutral platform. It supports single-user, multi-user, and widely distributed systems, all customizable to suit your specific needs.



Develop a user-friendly PC system for one-click stage management.



Implement real-time monitoring and alerts for proactive troubleshooting.



Enable remote SCADA monitoring via web login for accessibility.



Integrate level automation for surge bin and feeder control.



Incorporate live camera monitoring for equipment feeders.



Provide trend graphs and KPIs for plant machinery performance.



Automate reports for utilization, production, energy, and running hours.



Maintain a comprehensive history of machinery wear and tear.



Ensure safety and fatigue-free control room environment.



Optimize production by identifying and addressing bottlenecks.

- ◆ Safety
- ◆ Productivity
- ◆ Uptime
- ◆ Sustainability





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