



FM Series High Frequency Inclined Screen Series



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 **TEREX** MPS

Simplicity[®] Incline Screens

FM Series High Frequency Inclined Screen Series

Designed for stationery and portable plants, the FM Series has high capacity adjustable stroke vibrating motors, independent rotary tension system with a unique patent pending cushioned tensioning bars.

The flexibility of the FM Series ensures that it can work in a variety of applications such as reducing fines (de-dusting), chip sizing, dry manufactured sand, Fine industrial products and RAP fractioning.

FM Series Advantages

- High vibration frequency breaks surface tension of fine materials
- Static frame, no suspensions, connect direct to structure
- No drive belts or drive assemblies
- Low energy requirements (1.8 hp vibrator motors)
- High capacity fine material screening, handle high flow rates
- End-tension screen cloth = no crown bar channeling
- High speed vibration flexes screen media to break up blinding (material sticking to screen cloth)

Standard Features

- Static side plate construction with stiffened upper & lower flange
- Staggered lower deck position (shifted toward discharge end)
- Variable slope operation
- Rubber isolation mounted vibrating screen cloth supports
- 6' x 6' (1829 x 1829 mm) end tension deck sections
- Common adjustable stroke electric vibrator motors
- Rubber capped wire cloth support bars
- 3600 cpm standard speed (4200 cpm with variable speed controller)
- Bolt-in feed distribution box
- Independent rotary screen cloth tensioners (1 per section)
- Adjustable cloth side support ledges
- Suspension hanger eyes at feed and discharge end
- Top deck rubber knock down curtains
- Bottom flange provides alternate base mount



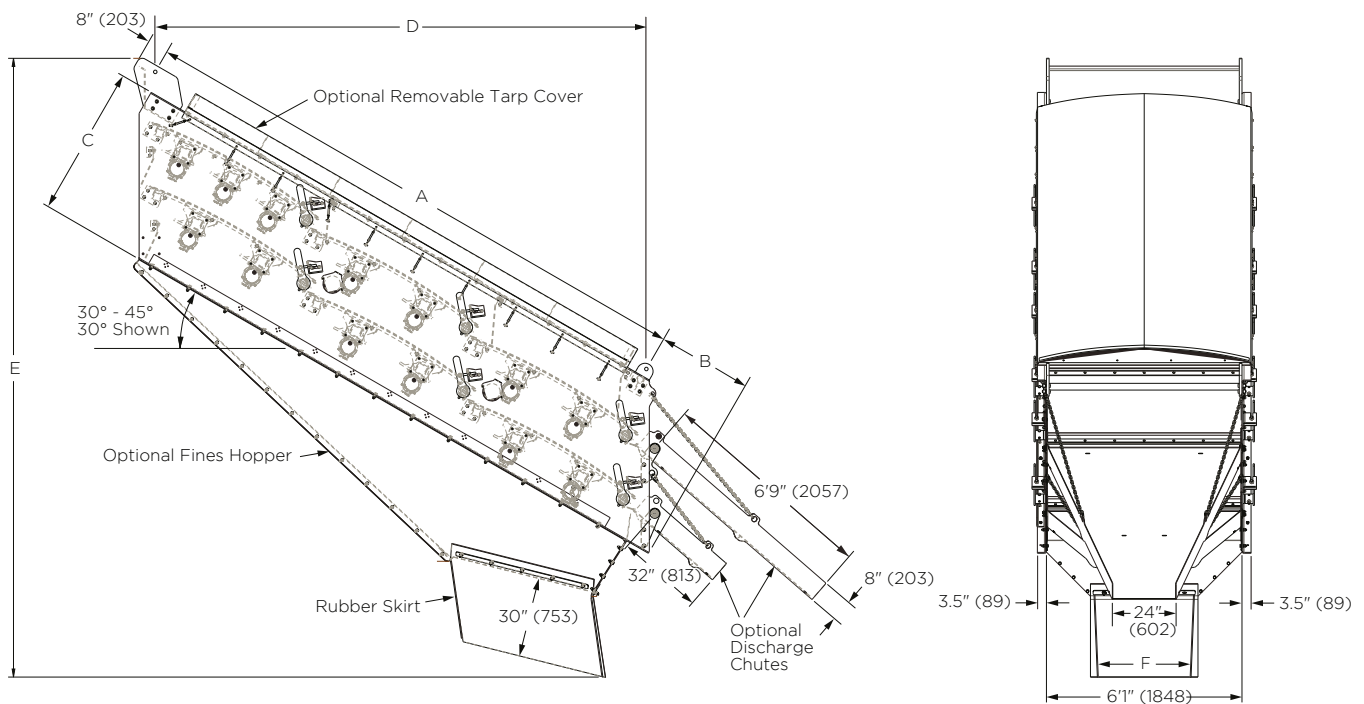
Specifications

Maximum stroke	0.11" (2.8 mm)
Minimum stroke	0.02" (.5 mm)
Speed range	0-4200 cpm
Deck sections	6' x 6' (1829 x 1829 mm)
Vibrator motors (each) 3 vibrating motors 1st deck section, 2 vibrating motors all other sections	1.85 hp (1.4 kW)
Electrical	380-415/3/50 or 460/3/60
Wire cloth dimensions - Outside hooks	71.375" (1813 mm)
Along hooks (hooks down)	72" (1829 mm)

Optional Equipment

- Switchgear push button panel
- Individual deck variable speed controller, 4200 cpm
- Screen cloth
- Removable tarp cover with support frame
- Adjustable discharge chutes
- Fines hopper
- Dust enclosures
- Support structure with walkways

Dimensions & Specifications



Model	A	B	C	D @ 30°	D @ 45°	E @ 30°	E @ 45°	F
FM1612	12'1" (3683)	1'10" (559)	2'8" (813)	10'3" (3124)	8'3" (2515)	13'11" (4234)	16'0" (4877)	38" (967)
FM1618	17'9" (5410)	1'11" (584)	3'0" (914)	15'3" (4648)	12'4" (3760)	17'3" (5260)	20'5" (6223)	34" (868)
FM2612	12'1" (3683)	2'9" (838)	4'5" (1346)	10'3" (3124)	8'3" (2514)	15'11" (4849)	17'11" (5460)	38" (967)
FM2618	17'9" (5410)	2'11" (889)	4'8" (1422)	15'3" (4648)	12'4" (3760)	19'2" (5847)	22'3" (6782)	34" (868)

Model	Screen Size	Decks	Deck Sections	Vibrator Sections	Total HP (kW)	Weight with Cover, Chute(s), and hopper
FM1612	6' x 12' (1829 x 3658)	1	2	5	9.3 hp (7.1 kW)	5960 lbs (2700 kg)
FM1618	6' x 18' (1829 x 5486)	1	3	7	13.0 hp (9.7 kW)	8360 lbs (3800 kg)
FM2612	6' x 12' (1829 x 3658)	2	4	9	16.7 hp (12.4 kW)	8950 lbs (4060 kg)
FM2618	6' x 18' (1829 x 5486)	2	6	13	24.1 hp (18.0 kW)	12,650 lbs (5740 kg)



Also available on modular and portable plants:



www.terexmps.com

Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment.

Failure to follow the appropriate Operator's Manual when using our equipment or failure to act responsibly may result in serious injury or death.

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