

CYCLONE RANGE

FM Bucket Wheel

FM 60 BW / FM 120 BW / FM 200 BW

The Terex® FM Bucket Wheel range of sand classification systems are highly efficient dewatering units.

The unit removes silts, slimes and clays from sand to produce up to 2 saleable products in applications including concrete, mortar and asphalt sands, quarry dust/crushed fines, lake and beach sands, silica sand, golf course sands, filter bed sands, recycled materials and iron ore.

The range combines a dewatering bucket wheel(s), a centrifugal slurry pump, hydrocyclone(s), a collection tank and a dewatering screen on a single chassis.

FEATURES AND BENEFITS

- Underflow rubber lined slurry pump
- Bucket wheel(s) with variable speed control
- Rubber lined hydrocyclone(s)
- Self regulating cyclone tank
- High frequency dewatering screen fitted with polyurethane modular mats
- Two grades of sand (except FM 60 BW)
- Weir discharge system which reduces the volume of fines entering the Cyclone collection tank
- Collapsible bucket wheel tank for easy transport (mobile only)
- Bucket wheel performs 80-90% of the work. This helps reduce the pump and cyclone size and wear
- Reduced pump and cyclone wear
- Reduced overall power requirements
- Reduced running costs
- 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 environments
- Low maintenance
- All wear areas rubber lined
- Walkway and access ladder
- Quick assembly time
- Breaks down into one 40' (12m) container (FM 60 BW only)

OPTIONS

- Boiler box for dry feed
- Electrical control panel
- Dewatering screen spray bars
- Galvanised structure
- Adjustable blending chute (except FM 60 BW)



FM 60 BW

WORKING LENGTH	6.90m (22'6")
WORKING WIDTH (INC WALKWAY)	4.30m (14' 1")
WORKING HEIGHT	5.50m (18')
FEED HEIGHT	2.30m (7'5")
PRODUCT DISCHARGE HEIGHT	1.26m (4'2")
WASTE WATER DISCHARGE	1.50m (5')
TOTAL WEIGHT (EMPTY)	8000kg (18000lb)
TOTAL WEIGHT (WORKING)	15000kg (33000lb)

FM 120 BW STATIC

WORKING LENGTH	7.80m (22'6")
WORKING WIDTH (INC WALKWAY)	4.4m (14'4")
WORKING HEIGHT	5.35m (17'5")
FEED HEIGHT	2.30m (7'5")
PRODUCT DISCHARGE	1.26m (4'2")
WASTE WATER DISCHARGE	0.81m (2' 9")
TOTAL WEIGHT (EMPTY)	15000kg (33000lb)
TOTAL WEIGHT (WORKING)	22800kg (50000lb)

FM 120 BW MOBILE

WORKING LENGTH	9.03m (30'5")
WORKING WIDTH	2.80m (9')
WORKING HEIGHT	4.93m (16'2")
TRANSPORT LENGTH	9.14m (29' 11")
TRANSPORT WIDTH	2.90m (9' 4")
TRANSPORT HEIGHT	4.09m (13' 5")
FEED HEIGHT	2.30m (7'5")
PRODUCT DISCHARGE	1.26m (4'2")
WASTE WATER DISCHARGE	1.20m (4')
TOTAL WEIGHT (EMPTY)	15000kg (33000lb)
TOTAL WEIGHT (WORKING)	22800kg (50000lb)

FM 200 BW

WORKING LENGTH	8.6m (28'2")
WORKING WIDTH (INC WALKWAY)	4.6m (15'1")
WORKING HEIGHT	7.3m (24')
FEED HEIGHT	3.10m (10'2")
PRODUCT DISCHARGE HEIGHT	1.69m (5'5")
WASTE WATER DISCHARGE	1.15m (3'10")
TOTAL WEIGHT (EMPTY)	17000kg (37500lb)
TOTAL WEIGHT (WORKING)	29000kg (64000lb)