

ROTATOR  **380**



XROK ROTATOR 380

Modern, compact and self-contained
trommel screen

XROK



MODERN, COMPACT AND SELFCONTAINED

XROK introduces the new Rotator 380 screen technology

The XROK Rotator 380 is a modern compact, self-contained, tracked trommel screen which is designed to process mineral, solid waste, topsoil, compost and green waste type products.

Working Principle

Physical size separation is achieved as the feed material tumbles down the rotating cylindrical screen containing specific hole sizes. The fines pass through the screen apertures, while the oversize is discharged out of the end of the drum.

Applications

Trommel screens are used in a variety of classification applications including:

- Mineral selecting
- Construction and demolition waste
- Commercial and Industrial Waste
- Municipal Solid Waste
- Dry Mixed Recyclables
- Agriculture and compost

- Refuse derived fuel or solid recovered fuel production
- Incinerator Bottom Ash
- Biomass
- Green Waste / Composting

Benefits and advantages

- Steady and smooth operation, low noise and low energy consumption
- Simple structure with interchangeable drum and mesh.
- Robust, heavy duty construction allows a wide variety of materials to be screened effectively
- Maintenance friendly with full service accessibility and central grease points
- Direct drum drive.
- Adjustable brush tensioners.
- Direct drum drive.
- Track or wheel mounted.
- Variable speed feeder and drum
- JMG display panel
- Minimal set-up time
- Long life, less blockage

ROTATOR 380



Fines conveyor

Stockpile height:	2.49 (8'-0") Max.
Belt Width:	900mm (36")
Belt Length:	16.0M (630")
Belt Spec:	3 Ply 5mm Top
Drive Drum Dia:	280mm (11")
Tail Drum Dia:	230mm (9")
Motor:	Danfoss OMT 400
Adjustable Speed:	Yes, by Webtec FCV
Maximum Speed:	180 RPM

Stockpile conveyor

Stockpile height:	2.60m (8'-6")
Belt Width:	750mm (30")
Belt Length:	8.5M
Belt Spec:	3 Ply 5mm Chevron
Belt Drive Dia:	280mm (11")
Tail Drum Dia:	230mm (9")
Motor:	Danfoss OMT 400
Adjustable Speed:	Yes, by Webtec FCV
Maximum Speed:	180 RPM

Feed conveyor

Belt Width:	1000mm (39")
Belt Length:	7.6M (299")
Belt Spec:	4 Ply 5mm Top
Drive Drum Dia:	280mm (11")
Tail Drum Dia:	230mm (9")
Gearbox:	Brevini RT160
Gearbox Ratio:	8 : 1
Motor:	Danfoss OMP 315
Flow rate:	15 LPM (4 US GPM)
Adjustable Speed:	0-13 RPM (by Webtec FCV)

Main frame / axle

Axle:	TVZ 7.5 mTons (16530 lb)
Tyres:	235/75R17.5 x2
Hitch:	75mm (3") Pintle
Tracks:	Trackline 2.5M (98.4")

Capacities

Hopper:	2.5 Cubic M (3.2Cu Yards)
Fuel Tank:	70 Litre (18 US gal)
Hydraulic Tank:	265 Litre (70 US gal)

ROTATOR



Power unit and hydraulics:

Engine:	CAT 2.2 T
Engine power:	60bhp (44.7kW)
Engine speed:	2200 rpm
Flywheel Pump:	1 Triple 36 cc Vivoli
Total system flow:	237 LPM (62 US GPM)
Hydraulic tank capacity:	265 L (70 US gal)

Screen drum

Drum Diameter:	1.5M (59")
Drum Length:	3.4M (134") + 40cm (16") Rubber extension
Drive Wheels:	Solid 330mm x 110mm (13"x 4.3")
Adjustable Speed:	Yes, by Webtec FCV
Speed:	0-20 rpm

Electrical

System Voltage:	12V
Emergency Stops:	2 (1 right & 1 left)
Siren:	Start, Shut down, Low oil, High temp, Filter blockage

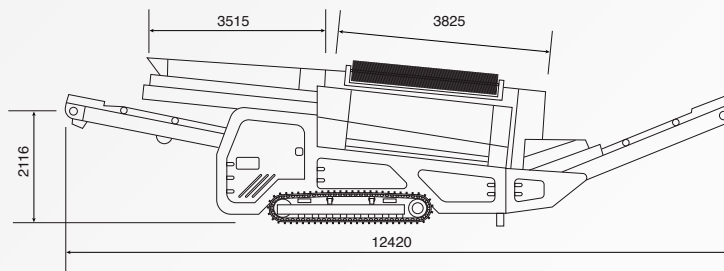
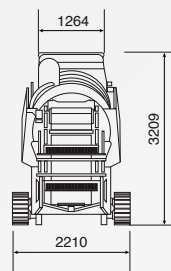
Electrics

Emergency stops:	2 off
Chassis cabling:	Armored cable
Start Siren:	Yes – 10 sec delay
Engine shutdowns:	Low oil pressure High engine temp Air filter blockage (selectable) Fuel contamination
Radio control tracks:	Optional – wireless RC system
Pendant track control:	Yes, plugged in at power unit end

Safety features

External belt alignment points
External grease points
Engine safety shutdown system
Full safety guarding for nip points
CE compliance

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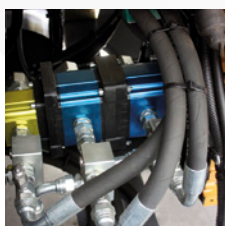
XROK Rotator 380 wheeled/rotator 380 wheeled stockpile transport dimensions

Length:	8.93M / 12.01M (29'4"/39'5")
Width:	2.1M (7')
Height:	3.2M (10'6")
Weight:	6 mTons / 7 mTons (13200 lb / 15400 lb)

XROK Rotator 380 tracked/rotator 380 tracked stockpile transport dimensions

Length:	8.93M 12/ 10.77M (29'4"/35'4")
Width:	2.2M (7'4")
Height:	3.2M (10'6")
Weight:	8.5 mTons / 9.5 mTons (18700 lb / 20900 lb)

*All Dimensions are approximate. Xrok reserves the right to alter the specification without notice.



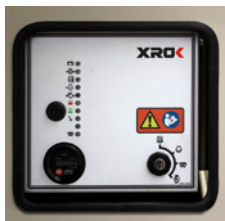
Hydraulic pumps
Triple 33cc Vivali



Brush
Adjustable tensioners



Cat C2.2 Engine
60HP (45kW)



JMG Control panel
User friendly



Hydraulic controls
Webtec FCV



Screen drum
Adjustable speed 0-20 RPM

ROTATOR 380

Authorized distributor:

For sale or rental

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Disclaimer

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