



MOBILE SCREENING & RECYCLING SOLUTIONS



302 TURBO/VOYAGER



VIPER

The Viper 302

Turbo/Voyager is a

mobile screening and

stockpiling unit for use

in every type of

application from soil to

sand and gravel.

Shredding and extra

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Viper International are world leaders in the manufacture of mobile screening and recycling equipment. Since 1989, Viper have developed a worldwide network of distributors that service its ever expanding customer base on all five continents.

The Viper 302 Turbo/Voyager is a mobile screening and stockpiling unit for use in every type of application from soil to sand and gravel. Shredding and extra screening are options also available on the machine. The name Voyager comes from its ability to move both on road and on site through a unique wheel and track combination. One of the Voyager's advantages over competitors is its ability to be set up on site in just 10 minutes, thereby increasing production rates.

SCREEN BOX

The Screen Box is a two deck four bearing type 3.0m x 1.50m giving a three way split of material. Both the top and bottom deck of the screen box are end tensioned and easily accessible. Woven or welded meshes are normally fitted to the top-deck depending on the application and the bottom-deck can be fitted with square or elongated meshes or harp wire screens. The angle of the screen box is adjustable between 21° and 40°.

SIDE CONVEYOR

The side stockpiling conveyor belts are 2ply 600mm wide, with a chevron pattern and a variable discharge height of 5.2m (17ft) to 6.0m 19ft 9ins. The side conveyors have variable speed control.

TAIL CONVEYOR

The tail conveyor is a plain 750mm (30 ins) wide belt giving a stockpile height of between 4m (13ft 1.5ins) and 4.82m (16ft), depending on the screenbox angle.

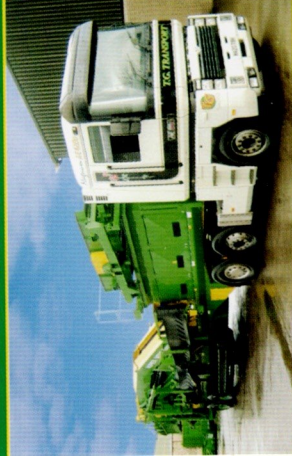
POWER UNIT

Diesel/Hydraulic as standard. Deutz (Turbo Charged) engine, running at 2200 rpm giving a power output of 72Kw (96.5H.P). One hydraulic tandem pump and an auxiliary pump, seven hydraulic valves and central control unit. The power unit can be enclosed within an acoustic canopy for sound suppression as an optional extra. The hydraulics can be driven by electric motor again this is an optional extra.

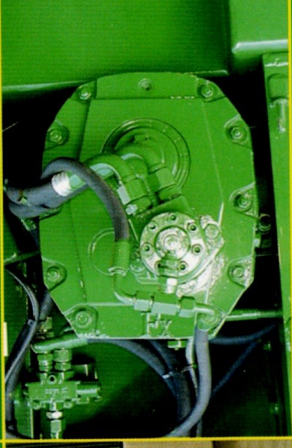
MAIN CONVEYOR & RUN

The main conveyor is fitted with a 750mm (30ins.) wide conveyor belt and is constructed from 6mm folded steel plate sections. The

Transport mode



Gearbox drive on feeder



Site transport mode



Hopper fitted with auger



Ready for dispatch to site



302 TURBO/VOYAGER

conveyor belt is designed to be operated within the mainframe and can be totally enclosed for environmental purposes. The main conveyor is hydraulically folded to allow the machine to be quickly and easily prepared for transport. The main chassis of the unit is mounted on Heavy Duty Track under carriage fitted with 4.5m long, 400mm (16") wide tracks.

WALKWAY

The unit is fitted with folding walkways around 3 sides of screenbox, which allows easy access for greasing and easy changing of screens. An important feature of the walkways is the benefit of increased safety.

MOBILITY

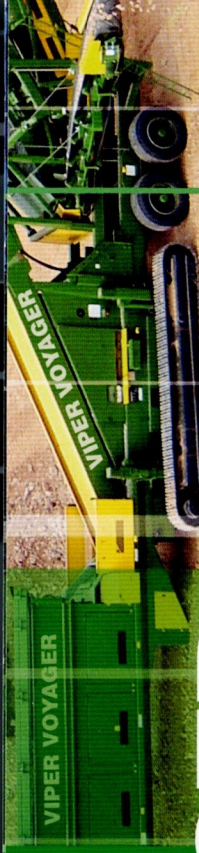
On road the unit is transported by a standard axle bogie system. On site the unit is easily manoeuvred by crawler tracks, which are hydraulically jacked down. The machine can be operational within 10 minutes of arrival on site.

SAFETY

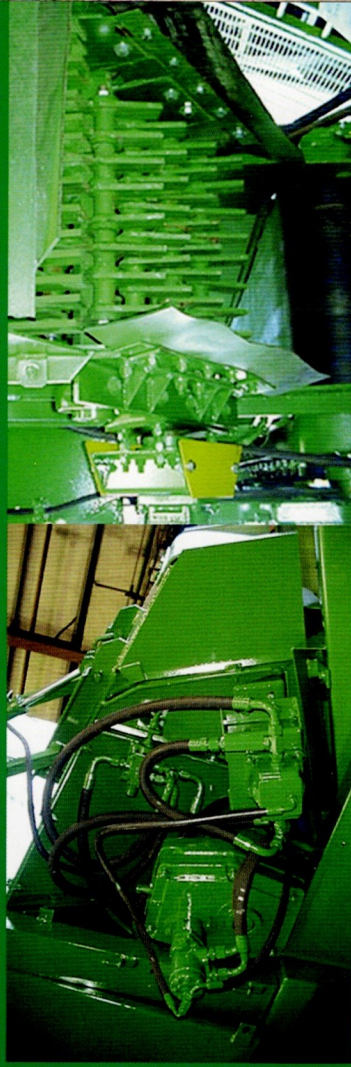
- Nip points are guarded
- External conveyor belt adjustment points
- Engine safety protection system
- Emergency stops
- Fully guarded to health and safety legislation
- Complies with EEC directive 89/392 98/37 EC (CE Mark)

Optional Extras:

- Soil Shredder
- T.U.V. Axles
- Lateral Protection
- Centralised Greasing
- Electric Drive
- Acoustic Engine Canopy
- ABS Braking
- Live Head
- 3m x 1.5m Screenbox over hopper
- Belt Weighting system
- Overband Magnet



302 Voyager working with crusher



Shredder in working position

Shredder in open position



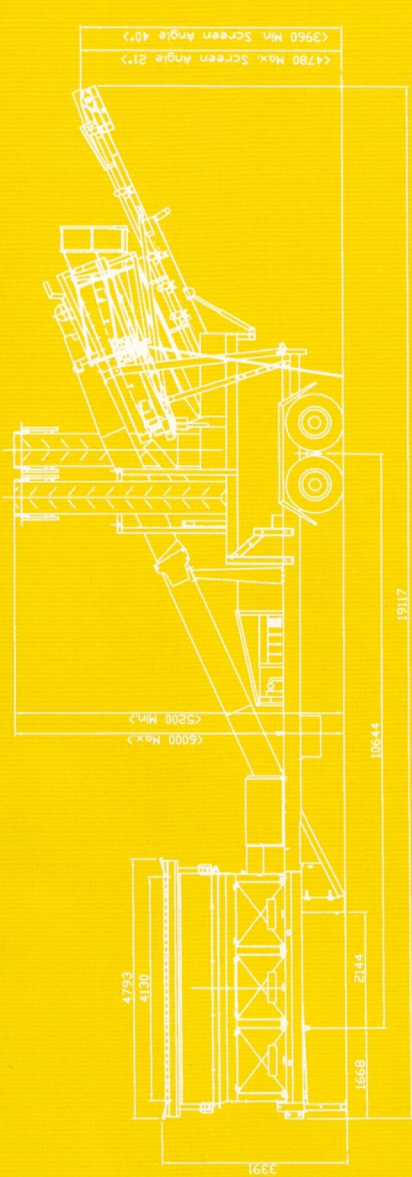
302 Voyager with live head

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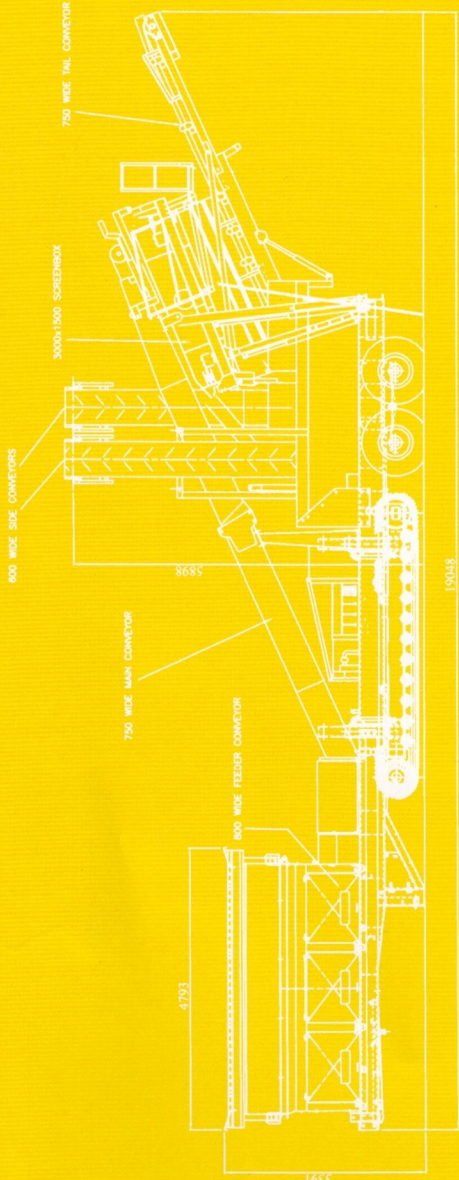
technical specifications

Transport Height	4000mm / 13' 1.5"
Transport Length	15,980mm / 52' 5"
Transport Width	2680mm / 8' 9"
Transport Width (Voyager)	2750mm / 9' 0"
Operational Length (Voyager)	19,048mm / 62' 6"
Operational Length (Turbo)	19,117mm / 63' 0"
Operational Width	17,170mm / 56' 4"
Feed Hopper Capacity	9m3 / 12yds3
Hopper Loading Height	3391mm / 11' 0"
Hopper Loading Width	4793mm / 15' 8"
Main Belt Width	750mm / 2' 6"
Belt Feeder Width	750mm / 2' 6"
Screen Size	3000mm x 1500mm (10' 0" x 5' 0")
Fines Conveyor Height - min	3960mm / 13' 0"
Fines Conveyor Height - max	4780mm / 15' 8"
Fines Conveyor Width	750mm / 2' 6"
Side Conveyor Height - min	5200mm / 17' 0"
Side Conveyor Height - max	6000mm / 19' 7"
Side Conveyor Width	600mm / 2' 0"
Track Length (Voyager)	4500mm / 14' 8"
Track Width (Voyager)	400mm / 1' 4"
Track Overall Width (Voyager)	2750mm / 9' 0"
Diesel Power Unit	102 hp liquid cooled
Weight	20,500 Kgs / 45,000lbs
Weight (Voyager)	28,000 Kgs / 61,600lbs

All specifications to change without prior notification



Viper 302 Turbo side elevation - in working position



Viper 302 Voyager side elevation - in working position

DONAGHY DESIGN 028 8772 7835

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