



FOUNDRY
MACHINERY AND
SPARES LIMITED

TROJAN Low Loading Sand Reclamation



General and features

The TROJAN VD range features a unique vertical vibratory elevator, which eliminates the need for expensive pit work where a low level shakeout facility is required. In addition, the floor space required for the plant installation is minimised. Used in conjunction with our range of TITAN cooler / classifiers and PULSOR pneumatic conveyors, a robust compact sand reclamation system is achieved.

- Robust construction
- Efficient “tramp” metal removal
- Floor mounted – no pits
- Modular construction for simplified layout
- Independent vibration for shake out and elevation – eliminates throughput problems
- Low maintenance
- Compact layout- minimises floor requirement
- Easily replaceable screens
- Comprehensive control system

Specification

	VD3	VD6 B	VD6 S	VD9 B	VD9 S
NOMINAL OUTPUT (SEE OUTPUT NOTE)	3 tonnes per hour	6 tonnes per hour	6 tonnes per hour	9 tonnes per hour	9 tonnes per hour
SHAKEOUT SIZE (mm)	1150 X 1000mm	1500 x 1150mm	1500 x 1500mm	1840 x 1600mm	2000 x 2000 mm
MAXIMUM DECK LOAD	500 KG	1000 KG	1000 KG	2000 KG	2000 KG
SHAKEOUT MOTORS ELEVATOR MOTORS	TWO TWO	TWO TWO	TWO TWO	TWO TWO	TWO TWO
MINIMUM EXTRACTION WITH COOLER CLASSIFIER (M3/HR)	7000	10000	10000	17000	17000

We reserve the right to alter specifications and design subject to future modifications and development

Specification (continued)

- Screens**
- > Shakeout deck - Heavy duty laser cut slotted steel plate
 - > Primary – Heavy duty perforated steel plate (6mm aperture)
 - > Secondary – Stainless steel wedge wire (1.5mm aperture)
 - > Elevated screen – High tensile stainless steel interwoven mesh

Liner plates – Fitted to high wear areas of the body shell

Clean out door – For the removal of large metallics and non – degradable material, a removable door is situated at the rear of the unit. Periodic removal is required to maintain throughput and reduce wear. Fine metallics and sand agglomerates, are discharged continuously , via the tertiary screen situated in the elevator outlet.

Classification / cooling – Classification is achieved by using a fluid bed powered by a high pressure single stage fan. Where cooling is required, an integral heat exchanger is incorporated in the fluid bed with the appropriate water cooling system. (See TITAN cooler classifier leaflet)

Electrical control panel – Sequential starting of all the components and automatic cleaning of dust extraction equipment.

Output – The outputs quoted are nominal, based upon experience of use, but are dependent upon various factors eg type/percentage of Binder, sand/metal ratio, moulding technique and type of metal cast.

Previous VD low level reclamation



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