

Date: 29/09/2011
Quotation Number: 63583 REVISION 2
Production Number: 33451,33452,33453 & 33454

Spec: Scotland Excel
Customer: Imperial Commercials
End User: South Lanarkshire
Address: Cumbernauld
Contact: Paul Ritchie
Email: paul.ritchie@imperialcommercials.co.uk
Telephone: 07979 246207
Fax:

Whale Contact: Alan Steel 07966 149226 Main Switchboard 0121 704 5700
Whale Service: 0121 704 5710
Whale Spares: 0121 704 5720

Type: DEMOUNTABLE LOW VOLUME COMBINATION
Warning: In certain operational circumstances it is possible that the GVW or individual axle loading of this vehicle could be exceeded, the operator should be made aware of this possibility.
Other Demount Body: ECON Gritter
Chassis: Free Issue DAF FA LF 55.220 18 Tonne GVW
CAB: Sleeper Cab
Special Features: ECON DEMOUNT SYSTEM & HYDRAULICS ON EXISTING QCB SYSTEM
Drive: Right Hand Drive
Chassis Dealer: Imperial Commercials - Cumbernauld
Contact: Paul Ritchie
Telephone: 07979 246207
Chassis Exhaust: Chassis OEM supplied and fitted overhead discharge exhaust system.
Height Limit: NONE ADVISED.
PTO:

SYSTEM CONTROL ADVANCED WHALE PLC CONTROLLER

TANK

Shape/Thickness: Cylindrical/5.00mm
Material: Carbon steel to specification BS EN 10025 S275 JO
: Stainless steel lining in lower half of sludge compartment
Contents: Water/sludge
Specific Gravity: 1.00
Demount System: ECON QCB DEMOUNT SYSTEM
: Set of Storage Legs (To be delivered with Vehicle)
Nominal Capacity: 1650 gallons / 7500 Litres
Fall over length: Parallel
Mountings: Welded to ECON Demount Frame
Tipping: Single front mounted multi-stage ram, controlled from cab
Height indicator: Visual warning in cab to alert driver if overhead equipment or tipping body not stowed correctly. To comply with regulations Construction & Use 1986 Amendment SI 1997 No 530
Safety: Integral body-prop, operated from offside
: NB The tipping is part of the ECON Demount system
: Large Rear debris chute to protect equipment at rear when discharging the load
Front End: Torispherical dish and flange to BS EN 13445-3:2002
Rear End: Hydraulic-operated torispherical door & dewatering system
Hydraulic Door clamps: Hydraulic-operated door clamps with controls on nearside

Interconnection: 2" pneumatically operated valve mounted on the front nearside dish at high level with external feed pipe to pannier at low level.

Water Tanks: Pannier tanks integral with Vacuum Pressure tank. Compartment ratio - Clean: 2150 litres / Waste 5350 litres

PRV: Tank-Top Whale Type Approved PRV, PTFE components. Locked, sealed & set - piped to ground with cable pull

PRV: In-line Whale Type Approved PRV, PTFE components. Locked, sealed & set - piped to ground

CONTENTS INDICATOR

Sight Glass: 2" diameter acrylic sight glass in rear compartment with cleaning and rodding access. 2" diameter full length acrylic sight glass in water compartment.

VALVES

Resealing: 2" resealing valve on each side & dirty water blow back down gully pipe, with retention fixture to capture flexible hose extensions when in transit

Inlet/Outlet valve: 4" lever operated ball valve

Inlet/Outlet connection: 4" URT with blank cap

Inlet/Outlet position: In rear door

Filter valve: 4" lever operated ball valve with removable swing type, easy clean galvanised internal filter assembly

Filter connection: 4" URT with blank cap

Filter valve position: In rear door

GULLY ARM TYPE

: 5" full bore, 300 degree. rotation, fully counterbalanced, air-assisted

: Sludge breaker fitted to downpipe

BOOM JETS High pressure boom jets with controls on gully downpipe with Stainless Steel nozzle inserts

Boom Control: Whale new style gully boom handle, designed for HAV & HIS reduction, for compliance with statutory instrument 2005 No 1093

Parking: Permanent on nearside, temporary on offside

Boom Valve: 6" full bore pneumatically controlled from chassis nearside and offside.

: Greasing nipple to be piped from the bottom slewing ring along the gully arm to low level (to facilitate greasing from ground level)

: Cross bar fitted in the bottom of the alloy gully arm downpipe to prevent cans etc blocking pipe

JETTING SYSTEM

Water Intake: Approved no back syphon hydrant filler - std 2.1/2" quick coupling

Jetting pump: Speck NP25 high pressure pump (up to 10gpm @ 2000psi)

Drive: ECON Hydraulic tank - Whale Hydraulic system

Safety: Emergency Stop at workstation

Hose reel: Manually operated reel on nearside with 30m x 1/2" high pressure hose

Gauges: Jetting pressure calibrated in PSI and BAR

Equipment: 1 forward facing & 1 retro nozzle for 1/2" hose

: 1m long Handlance with fan and needle nozzles.

: Pipe vice

VACUUM SYSTEM

- Exhauster:** Mistral 400 series exhauster/compressor. Output: 245 cfm Free Air
- : System deoiler
- Drive:** ECON Hydraulic tank - Whale Hydraulic system
- PTO Control location:** Nearside and Offside
- Cut-off:** Primary and secondary Whale Cyclone - cut out & 1.5" drain
- Protection:** Suction side grit strainer & check valve
- Control:** Pressure or vacuum pneumatically operated
- Control location:** Pneumatic selector on the gully arm and on nearside.
- Gauges:** Vacuum/pressure calibrated in working pressure & vacuum mounted on the gully arm

STORAGE

- Hose storage:** 3 off Hose hooks with straps on the offside
- Other storage:** Low level stick box with drain holes made from non corroding steel
- : Separate tool rack on nearside
- : Stainless steel tool locker with drain holes
- Mudguards:** ECON supplied and fitted - Thermoplastic with reflective safety mudflaps

LIGHTING

- : End outline marker lights & side marker lights and reflectors
- : 2 off Amber beacons LED fitted with integral branch protection at rear on offside and nearside rear
- : 1 off worklight fitted on the end of the gully arm.
- : Worklight fitted at rear
- : Conspicuity Markings as per regulations

GENERAL

- Regulations:** Construction and Use 1986 (as amended)
- : Statutory instrument 2000 No.128 reg 4
- : The supply of machinery (safety) regulations 2008: SI 2008 No.1597
- : Noise emission in the environment directive 2000/14/EC
- PER / PED:** To comply with The Pressure Systems Regulations SI 1999 No. 2001 Directive No 97/23/EC
- Data Plate:** Tank data plate (CE marked) as required by SI 2000 No.128 reg 5 (4)
- Quality Assurance:** Independently monitored by notified body for conformity of assessment, Hydraulic test to 1.5 bar (23PSI) / full vacuum
- Operating pressure/vacuum** Pressure - 1 bar (15 PSI) Vacuum - 1 bar (28"hg)
- Certificates supplied:** Declaration of conformity PER / PED
- : Declaration of conformity for fitness and quality
- : Declaration of conformity to UK machinery (safety) regulations
- : Vehicle weight ticket supplied
- Insurance:** £10 million products liability cover
- Labels/ Handbook:** Safety labels fitted to vehicle as required and Operator handbook supplied
- Commissioning:** One day vehicle commissioning instruction
- Delivery:** Included to nominated UK site

PAINTWORK

- : Stainless steel lining in lower half of sludge compartment
- External Finish:** Shotblast - Swedish standard SA 2.5
- : Primed - two coats, two pack epoxy
- : Finish - one colour, in two pack high build acrylic coating
- : Cab prepared, primed & finish painted in one colour, in 2 pack paint

- Chassis Finish:** Preparation - degrease, Steamclean and flat existing paint
- : Paint - two coats, two pack polyurethane chassis BLACK
- Paint Inspection:** 100 microns dry film build (elcometer gauge)
- Wheel finish:** OEM Factory Finish
- : Hi Viz Chevrons to Rear
- Signwriting:** Signwriting not included - Separate quote provided on request

Chapter 8

- : **Highway Maintenance Sign**
- : **Hi Viz Chevrons to Rear**
- : **Hi Viz Strip along the side of the vehicle**
- : **Red retro reflective tape applied to all rear facing doors and lockers**
- : **Rear Marker Plates**
- : **Customer / Client details on both sides**
- : **Conspicuity Markings**
- : Reversing camera to be Vision Alert Reversing camera with Flat Screen monitor fitted in cab. (2 Year OEM Manufacturers Warranty)
- : Worklight fitted to Overhead Loading Boom
- : Worklight fitted at rear
- : Reversing Bleeper

HOSES:

- : 6 off 3m length x 4" diameter plastic suction hose with URT connections

- Other features:** Adjustable traffic directing arrow to rear, 750 mm diameter
- : Additional Vision Alert camera positioned in the area of the boom to view gully position on nearside wired into cab monitor
- : Overall height displayed in cab
- : Chassis mounted air operated grid lifter
- : Automatic PTO disengagement linked to handbrake

SPECIFICATION ENDS