P1-PORTER MULTI-PURPOSE CASSETTE SYSTEM

FEATURES

- With 173 HP, this high speed compact 1 675 mm (5’ 6”) wide version of the DUX P1-Porter is extremely well-suited for steep ramps and narrow-vein mining
- Field-proven system with interchangeable multi-purpose cassettes provides outstanding flexibility compared to conventional utility equipment built for one specific task
- Multi-purpose cassettes can be interchanged smoothly and safely in minutes using the DUX P1-Porter (prime mover)
- Electronically controlled engine reduces fuel consumption and ventilation requirement
- Fail-safe SAHR (Spring Applied Hydraulic Release) emergency/parking brake system
- Centralized service points and modular design for easy service access and fast component exchange
- Excellent service and parts back-up worldwide

MULTI-PURPOSE CASSETTES

The DUX P1-Porter is available with a wide range of multi-purpose cassettes including:
- FLATBED • CRANE BOOM • SCISSOR • FUEL/LUBE • FUEL • PERSONNEL • REMIX • WATER • EXPLOSIVES TRANSPORT • BULK EMULSION • MAINTENANCE • DUMP BODY

The DUX line of multi-purpose cassettes is continually expanding to meet new customer requirements. Contact DUX for further information on custom cassette arrangements.

WEIGHTS

P1-Porter only........................................ 8 963 kg........... 19,760 lb.
P1-Porter with Scissor Cassette .... 13 230 kg........... 29,167 lb.

OVERALL DIMENSIONS

Length:
P1-Porter only................................. 6 935 mm.............. 22’ 9”
P1-Porter with Scissor Cassette .. 7 165 mm.............. 23’ 6”
Width................................................. 1 675 mm.............. 5’ 6”

TURNING RADIUS AT 44°

Inside............................................. 3 940 mm.............. 12’ 11”
Outside.......................................... 5 895 mm.............. 19’ 4”

P1-Porter shown with Scissor Cassette.
### Engine
Make and model ........... Mercedes OM904LA with Electronic Management System
Derated power .......... 129 kW (173 HP) @ 2200 RPM
Cylinders ................. 4
Starter .................... 24-volt
Air intake cleaner ....... Donaldson 2-stage dry type with service gauge
Exhaust system .......... Nett MD-Series Diesel Oxidation Converter (DOC) with heat blanket and exhaust pipe protection
Cooling .................... Large-sized cooling package
Emission standard ...... Meets EPA Tier 3, Euro Stage IIIA

### Transmission with Integrated Torque Converter
Make and model ........... Dana SOH LHR32000 series with integrated torque converter and flex plate drive
Speeds .................... 4 in forward and in reverse

### Axles
Make and model ........... Dana SOH 176 planetary with internal multiple wet-type 4-wheel disc brakes

### Tires
Bridgestone 12.00-20, 18 Ply Tube-Type E-3 mining tires

### Brakes
Service ..................... 4-wheel power multi-internal wet disc, dual hydraulic power control with accumulator back-up
Emergency/parking ..... Fail-safe 100% back-up SAHR (Spring Applied Hydraulic Release) multi-internal wet 4-wheel brakes
Automatic Brake ........ Applies brake in case of engine failure or drop in transmission clutch and/or brake accumulator pressure

### Steering
Articulated frame hydraulic power steering, hydraulic pilot monostick steering control and cushion valve
Double acting steering cylinders (2)
+ 44º steering angle each way for a total of 88º

### Oscillation
+8º center of oscillation for a total of 16º
Large sized, heavy-duty roller bearing for minimum maintenance and a smooth ride, 4-wheel ground contact guaranteed

### Frames and Pins
Articulated heavy-duty frames made to withstand the high impact and torsional stress associated with mining application
Frames come with five-year unlimited hour guarantee
Large high tensile alloy steel pins in replaceable anchor bushings

### Hydraulic System
Heavy-duty double acting protected steering cylinders (2) with hard chrome plated stems
Heavy-duty PTO driven gear-type pumps driven from converter
Suction filter
Inline high pressure filter with service gauge
3/4” inside diameter and over hoses that are four-spiral wire braid and have crimped hose end swivel fittings
Hose bulk-head located mid-ship

### Tank Capacities
Fuel ....................... 170 L ............ 45 US gallons
Hydraulic oil .............. 170 L ............ 45 US gallons

### Electrical System
24-volt negative ground
80 amp alternator with integrated sealed voltage regulator
Main electric cut-off switch
Heat resistant, waterproof, sealed electric PMA wire harness
Sealed junction box and stainless steel instrument panel box with multi-stem connectors
Semi-automatic circuit breakers
Front (2), rear (2), and all-directional (1) LED high-intensity lights
Heavy-duty batteries (2)
Signal horn and audible
Adjustable back-up alarm

### Standard Features
Automatic engine shut-off at low oil pressure and high temperature
Hourmeter
All necessary gauges for engine, converter and brake pressure
Neutral engine start protection
Centralized manual lubrication
Mid-ship Articulation safety bar
Triangular rear reflectors (2)
Parts/Operator/Maintenance manuals
Compliant with MSHA, CANMET and CE regulation

### Options
Smaller engine
Dana SOH HR24000 series transmission
FOPS/ROPS canopy or fully equipped operator cab
Orbitrol valve wheel steering
Automatic lubrication system
Fire suppression system
Intec video system
OTHER OPTIONS ON REQUEST

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*Specifications subject to change without notice.*