# JOHNSON

# MOTIL

## UTILITY TRUCKS

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**The hardest worker you will ever get anywhere, the MOTIL with its diesel economy is available in a wide variety of options:**

(a) **1 ton** (1016 Kg) payload, Petter PH1 single-cylinder diesel engine, with or without cab, and
- with flat body (timber floor) with or without removable 12" drop sides and tailgate
- with fixed metal body
- with power tipped metal body

(b) **1.75 ton** (1778 Kg) payload, Petter PH2 twin-cylinder diesel engine, with or without cab, and with power tipped metal body.

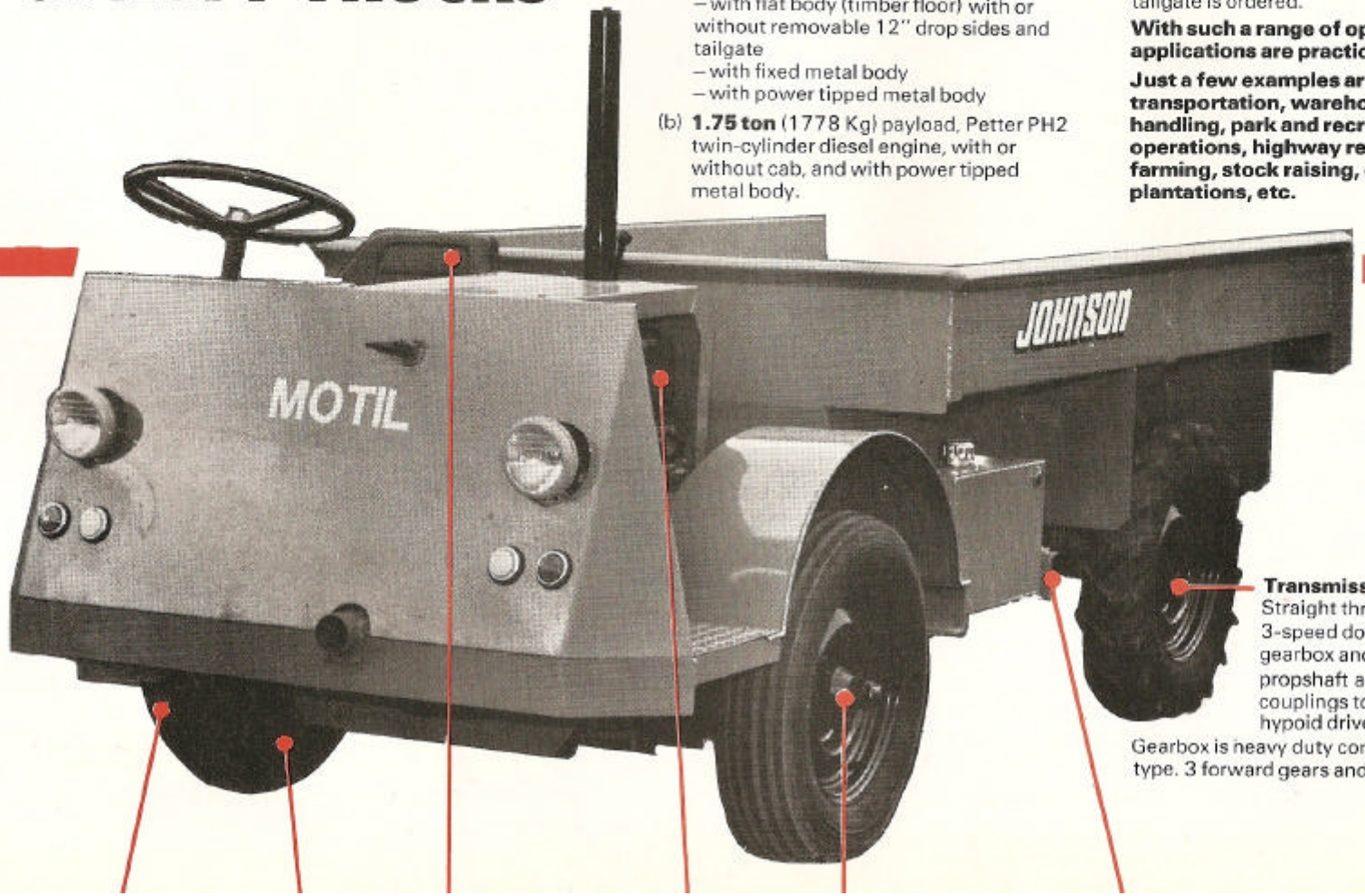
(c) **2 ton** (2032 Kg) payload Petter PH2 twin-cylinder diesel engine, with or without cab, and
- with flat body, (timber floor) with or without removable 12 inch deep drop sides and tailgate.
- with fixed metal body.

(d) Other variants available to special order include large mesh tipping skip for light waste 1 ton crane.

*Note.* Metal body has a struck capacity of 65 cu. ft. (1.9m$^3$) and is fitted with a top hinged tailgate unless optional bottom hinged tailgate is ordered.

**With such a range of options the MOTILs applications are practically limitless.**

**Just a few examples are: Internal factory transportation, warehousing, baggage handling, park and recreation ground operations, highway repair work, farming, stock raising, estates, plantations, etc.**




**Transmission.**
Straight through via 3-speed double reduction gearbox and steel tube propshaft and Layrub couplings to semi-floating hypoid drive axle.
Gearbox is heavy duty constant mesh type. 3 forward gears and 1 reverse.

**Steering.** Front wheel steering, heavy duty type worm and peg steering box. Steering axle, solid steel, centre pivoted.

**Driver's Seat.** Spring mounted, weatherproof, upholstered incorporating back rest.

**Brakes.** Disc brakes on front wheels, drum brakes on rear wheels are hydraulically operated from foot pedal.
Handbrake operates drum brakes on rear wheels.

**Chassis.** A steel fabricated frame of rugged construction made from rolled steel channels, incorporating front bumper section.

**Tyres.** 6.00 x 16 x 4 ply Tractor Implement rear driving wheels with PH1. 7.50 x 16 x 6 ply with PH2. 6.00 x 16 x 6 ply Trailer Implement front steering wheels. Or to suit application.

**Engine.** Petter air-cooled diesel engine. The single cylinder PH1 develops 6.75 BHP at 1650 r.p.m.
The twin-cylinder PH2 develops 16.5 BHP at 1800 r.p.m.

**Fuel Tank.** The diesel fuel tank has a capacity of 1½ gallons (7 litres), sufficient for 1 1½ hours' running for average working day with PH1. 5½ hours with PH2.

## STANDARD DESIGN

**Cab.** The Standard design, which is noise reduced, is of fibreglass with laminated glass windscreen, roll-up canvas sides and back. Steel back with safety glass window available on non-tipping models.

## EXTRA OPTIONS AVAILABLE

Electric lighting and/or starting.

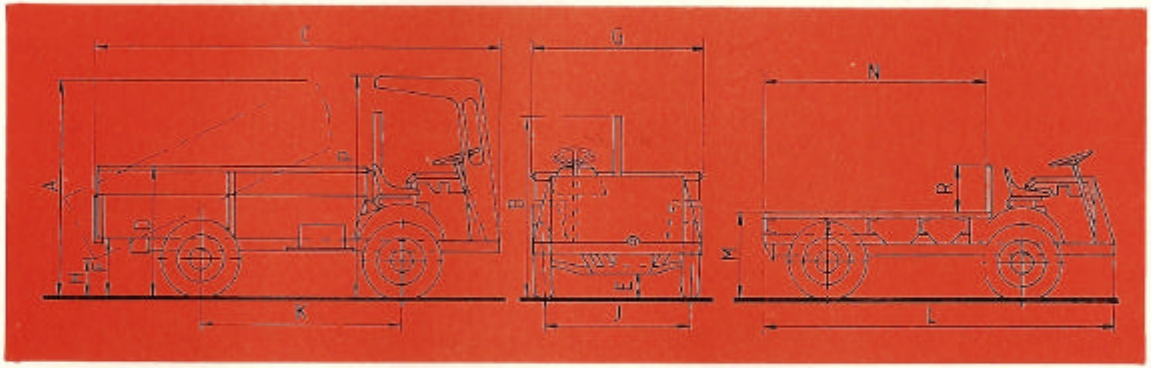
Seat belt.

Horn, mirror and (for U.K. only) number plates and licence holder.

Windscreen wiper on models with cab (electrically-operated where electric lighting and/or starting fitted; otherwise hand-operated).

Painting in colour other than our standard orange.

## DIMENSIONS




| A | B | C | D | E | F | G | H | J | K | L | M | N | P | R |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9'10" | 5'6½" | 12'2" | 3'10" | 9½" | 1'8½" | 5'3" | 7½" | 4'5" | 6'0" | 11'11" | 2'7½" | 8'0" | 6'1½" | 12" |
| 2997 | 1688 | 3708 | 1219 | 241 | 521 | 1600 | 191 | 1346 | 1829 | 3632 | 800 | 2438 | 1867 | 305 |
| mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |

Add 4" (102mm) to dimensions C and L for PH2

### ROAD SPEEDS

| PH1 Model | Top | 2nd | 1st | Rev | PH2 Model | Top | 2nd | 1st | Rev |
|---|---|---|---|---|---|---|---|---|---|
| | 8·9 mph | 4·8 mph | 2·0 mph | 2·3 mph | | 10·7 mph | 5·7 mph | 2·5 mph | 2·7 mph |
| | 14·8 km/h | 7·7 km/h | 3·2 km/h | 3·7 km/h | | 17·0 km/h | 9·1 km/h | 4·0 km/h | 4·4 km/h |

Road speeds up to 12·5 mph PH1, 15 mph PH2 if optional gearbox reduction fitted, subject to some loss in tractive effort.

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In accordance with our policy of continual improvement, we reserve the right to modify these machines without notice