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UDC

JOHNSON

JOHNSON

JOHNSON
ONE YARD DIESEL

JOHNSON

MODEL

2F

DUMPER

JOHNSON

The Johnson model 2F is a 27 cwt (1375 kg), 1 cu yd (765 litres) dumper—the machine which increasing numbers of construction companies are choosing for its extra capacity and robust construction.

Like all Johnson Machinery, the Dumper model 2F is solidly built to the most exacting engineering standards. Its design incorporates features—like the double-reduction driving axle—possessed by no other dumper in its class, features which pay dividends by defying the most arduous site conditions, giving the 2F Dumper a long and trouble-free life.

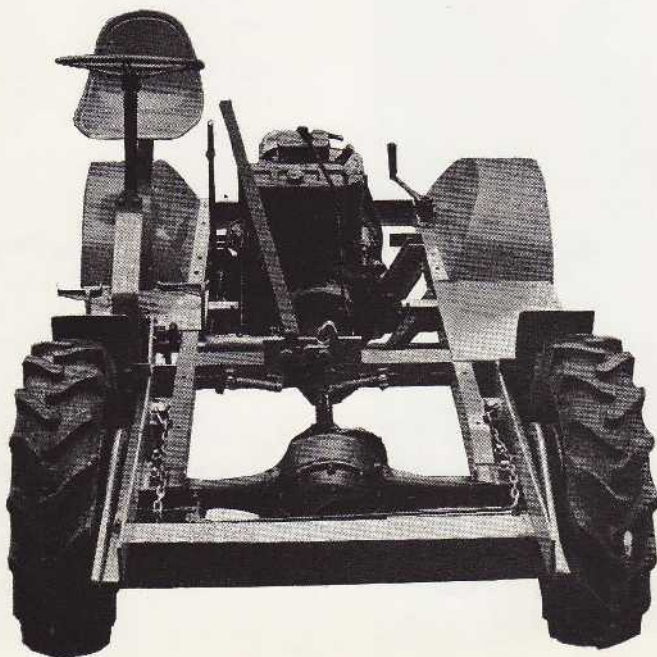
The bonus margin of strength of the model 2F is carried through to other details of specification and design. The clutch has a larger than average diameter; the skip has the best wet capacity in its class at 19 cu ft. In addition the skip has special corner gussets to provide increased rigidity when carrying overhanging loads such as concrete beams. The chassis is of Johnson's special double construction design . . . the steering column strongly braced against rough handling . . . the wheels secured by damage-proof cap nuts . . . even minor points of design make a big difference in the overall performance—and result in a far higher trade-in price than usual.

The Johnson 2F is covered by a 6 month guarantee. Immediate spares and fast, efficient service . . . available through the strategically placed Johnson depots.

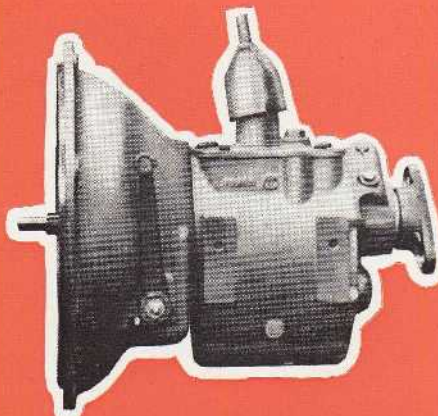
This leaflet gives you the facts. Let us show you the capabilities of the model 2F—ask us for a demonstration on your site now.

CHASSIS

Of double construction incorporating knife-edge skip runners to prevent the build-up of mud at this point.



the dumper that pays dividends



GEARBOX

Constant Mesh.
Three forward speeds
and one reverse.

Approximate speeds:
1st 2.5 mph
2nd 6 mph
top 11.1 mph
reverse 2.9 mph



CLUTCH

Positively acting 8in
Single Dry Plate—solid
drive centre plate.



ENGINE

Petter Type PH1
single-cylinder, air-
cooled diesel engine
developing 6.75 bhp
at 1650 rpm
Governor-controlled.
Fitted with Purolater
lubricating oil filter
and heavy-duty paper
element air cleaner.



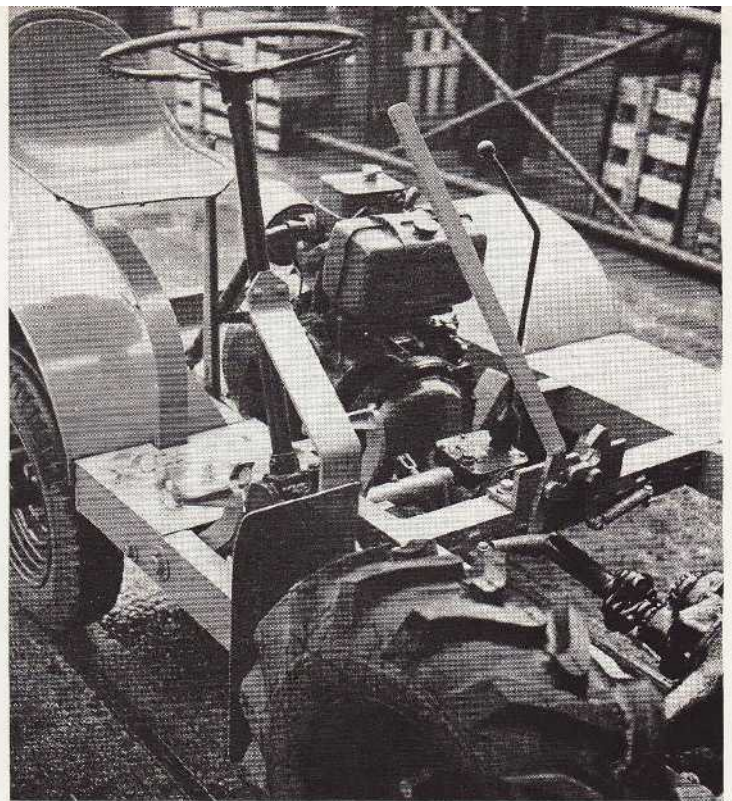
DRIVE AXLE

35 cwt rating semi-
floating, fitted with
double reduction
driving head.



ENGINE CANOPY

Detachable, giving immediate day-to-day access and quickly removable for engine maintenance.

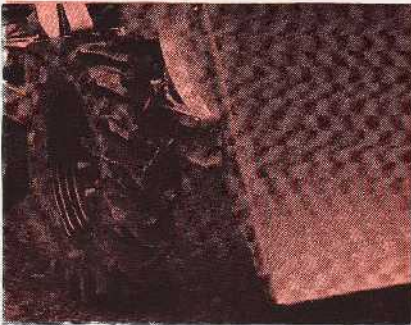


CONTROLS

Robustly constructed, sensibly placed to aid efficiency and prevent driver fatigue. Note the tough brace to steering column.

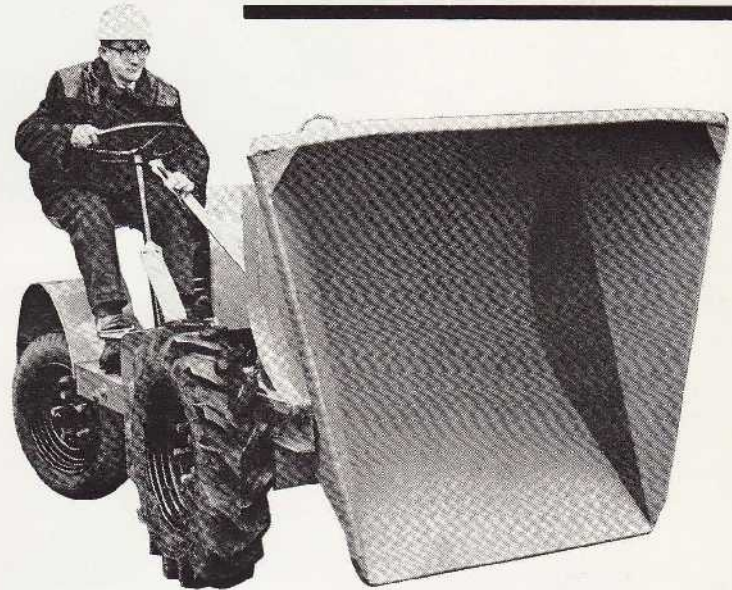
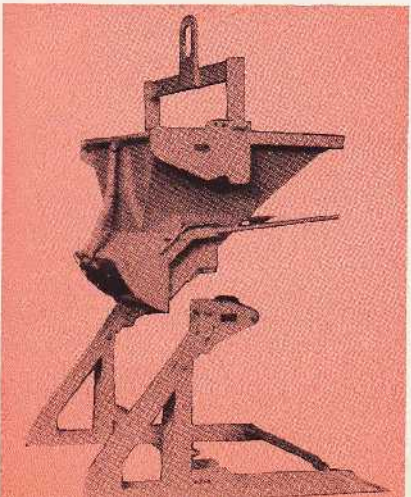
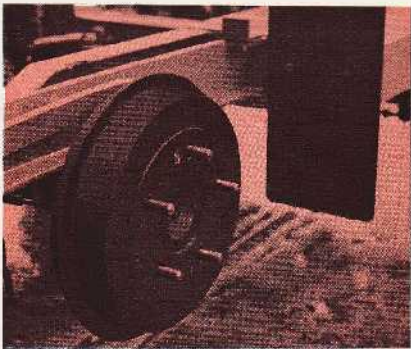
DRIVING WHEELS

Heavy Duty Tractor Implement wheels mounted on 5 $\frac{3}{8}$ in diameter studs with cap nuts.



BRAKES

Internal expanding 12in \times 2 $\frac{1}{4}$ in hand and foot rod - operated. Total braking area 104 sq in.



SKIP

Heaped capacity
 27 cu ft (765 litres)
 Water level 19 cu ft (538 litres)
 Payload 27 cwt (1375 kg)
 Loading height 47in
 Loading width 37 $\frac{1}{2}$ in
 The radius arms on which the skip pivots are of high tensile spring steel.

TRIP SKIP WITH GROUND FRAME

For site convenience a ground frame may be supplied to hold the skip while the dumper performs other duties.



JOHNSON model 2F dumper

SPECIFICATION

| | | |
|------------------------|--|-----------------------------|
| SKIP | Water Level | 19 cu ft (538 litres) |
| | Struck Level | 23 cu ft (650 litres) |
| | Heaped Level | 27 cu ft (765 litres) |
| | Loading Height | 47 in (1194 mm) |
| | Loading Width | 37½ in (952 mm) |
| | The radius arms on which the skip pivots are of high tensile spring steel. | |
| DIMENSIONS | Overall Length | 8 ft 2 in (2489 mm) |
| | Overall Width | 4 ft 1 in (1249 mm) |
| CHASSIS | Overall Height | 4 ft 5 in (1346 mm) |
| | Wheel Base | 4 ft 6 in (1372 mm) |
| ENGINE | Track Width | 4 ft 5 in (1346 mm) |
| | Turning Circle | 10 ft 6 in radius (3200 mm) |
| CLUTCH | Net Weight | 1 ton (1018 kg) |
| | Johnson Duplex construction employing 4 in × 2 in rolled steel channel sections incorporating knife-edge skip runners and providing 4 point anchorage for the drive axle. A forward traction weight is fitted and a tow hitch provided on the rear bumper member. | |
| GEAR BOX | Petter Type PH1, air cooled, single cylinder diesel engine, continuously rated to develop 6.75 bhp at 1650 rpm (governor controlled to prevent overspeeding). Fitted with Purolator lubricating oil filter and heavy duty paper element air cleaner. | |
| | 8 in diameter Borg & Beck Single Dry Plate, solid drive centre plate. | |
| APPROX. SPEEDS | PR Constant Mesh 3 forward speeds and 1 reverse. | |
| | Top 11.1 mph (17.8 km/hr), Second 6 mph (9.6 km/hr), First 2.5 mph (4 km/hr), Reverse 2.9 mph (4.7 km/hr) | |
| DRIVE AXLE | "Layrub" special heavy duty with shock absorbing universal couplings at each end. | |
| | 35 cwt rating, semi-floating, fitted with double reduction driving head (1780 kg) | |
| BRAKES | Girling internal expanding 12 in × 2½ in (305 mm × 57 mm) hand and foot rod-operated (mechanically). | |
| | Total braking area 104 sq in. (671cm²) | |
| DRIVING WHEELS | Heavy Duty Tractor Implement wheels. Mounted on 5—¼ in diameter studs with cap nuts. | |
| | TYRES | |
| MUDGUARDS | Driving Wheels 7.50 × 16 × 6 (191 mm × 406 mm) PR Tractor Type. | |
| | Steering Wheels 5.00 × 15 × 4 (127 mm × 381 mm) PR Ribbed Type. | |
| STEERING | Fitted to all wheels to protect driver and machine. | |
| | Adjustable recirculating ball gear of rugged dimensions, with heavy-duty rigidly braced steering column. All steering linkages are heat treated nickel chrome steel drop-forged. | |
| ENGINE CANOPY | Designed to permit day-to-day access without removal but quickly detachable for engine maintenance. | |
| | SKIP CHECK CHAINS AND BUFFER SPRINGS | |
| CONTROLS | Of massive dimensions to cushion the shock when the loaded skip is tipped. | |
| | Handbrake and hand-operated skip release lever. Foot operated brake, throttle and clutch. | |
| PAINTING | SEAT | |
| | Pressed steel on spring steel support. | |
| ROAD USE | Painted in our standard livery—High Gloss Chrome Orange. | |
| | The Dumper can be licensed for use on the public highway provided that the load does not obscure the driver's view of the leading edge of the skip. As an optional extra, we can supply number plates, horn, mirror and licence holder, and when required, electric starting and lighting. | |
| SHIPPING SPECIFICATION | On tyres and uncrated 8 ft 2 in × 5 ft 1 in × 4 ft 6 in (2489 × 1549 × 1372 mm) | |
| | Net weight 1 ton (1018 kg). Engine protected by timber framework and water repellent paper. | |

JOHNSON MACHINERY LIMITED, ADSWOOD, STOCKPORT, CHESHIRE, ENGLAND . Telephone: 061-480 2642/5 Telex: 66297 Cables: "Machinery" Stockport
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In accordance with our policy of continual improvement, we reserve the right to modify these machines without notice.