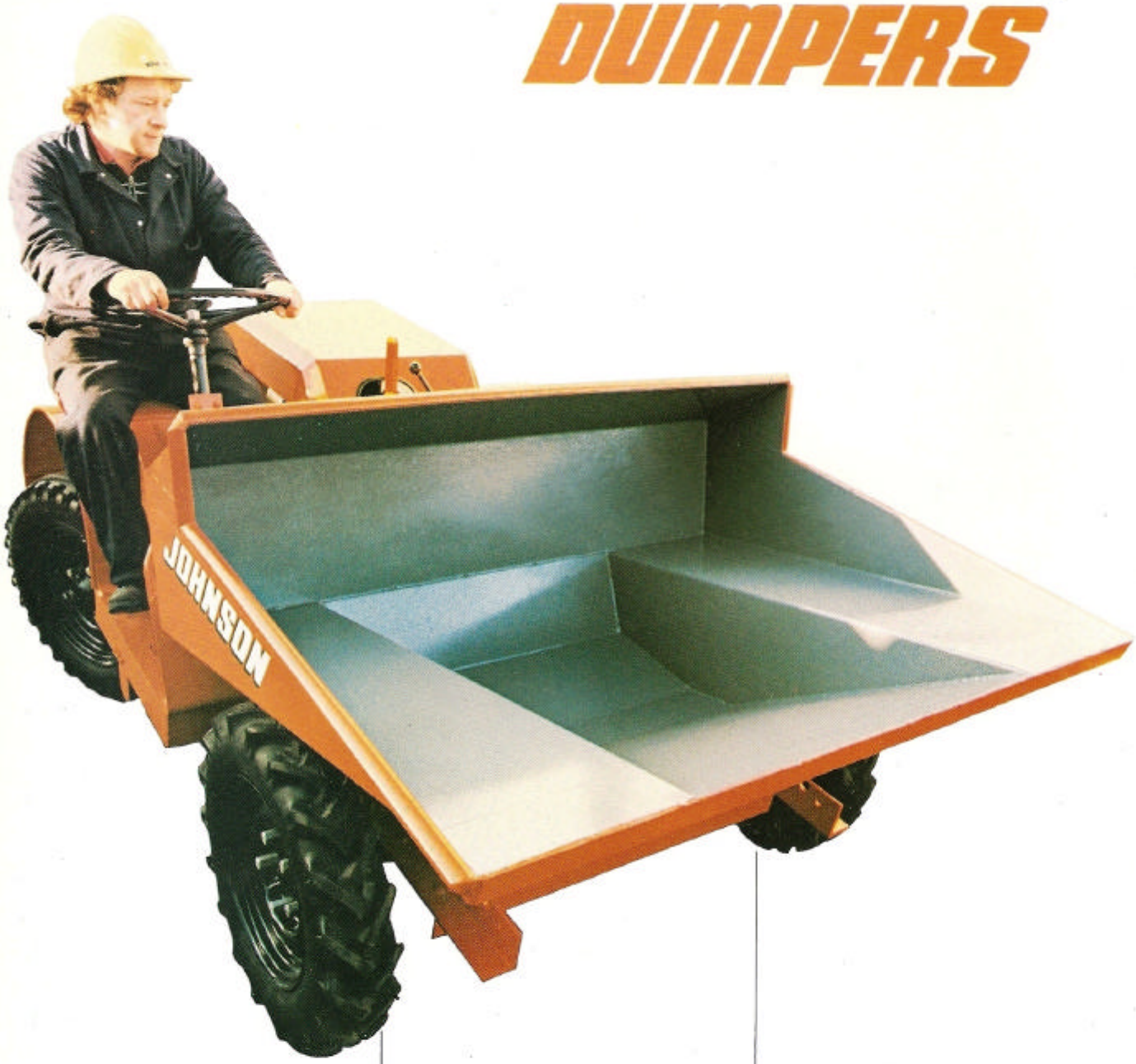
JOHNSON
DUMPERS

RIGID FRAME MODELS

POWER & GRAVITY DUMP

JOHNSON
DUMPERS



DUMP IT

with Johnson Dumpers. A range of equipment featuring both rigid and articulated chassis and gravity or power operated skips with capacities from 1.15 tons to 3 tons. Soundly designed and continuously developed over many years, Johnson dumpers are built for long service life with minimum downtime and low maintenance costs.

HUMP IT

with Johnson Site Handling Machines. Two wheel drive rigid chassis (lifting 1,270 kg. at 0.5 m. load centre to 3.04 m. height) and four wheel drive articulated chassis (lifting 1,270 kg. at 0.6 m. load centre to 4.8 m. height) models are available plus a range of attachments to cope with a wide variety of jobs in construction and industry.

PUMP IT

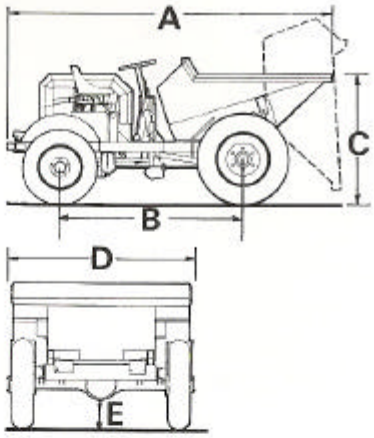
with Johnson Self-Priming Pumps. Diesel, petrol or electric powered these well-proven machines are built for reliable, trouble-free performance in the toughest conditions with a minimum of maintenance.

JOHNSON JCM1150RG

1·15 ton gravity dump

ENGINE Petter PH.1 cold start air-cooled diesel, with heavy-duty oil and air filters, and dust-proofed control gear. Engine canopy fitted as standard. Optional engine — Lister ST1 air-cooled diesel.
CLUTCH Single dry plate 9 in (229 mm) diameter heavy-duty type.
GEARBOX Heavy-duty constant mesh three forward and one reverse. Double reduction.
Ratios: top 2.4:1, second 4.5:1, first 10.4:1, reverse 9.3:1
GEARBOX/AXLE DRIVE Direct propellor shaft with shock absorbing couplings.
DRIVE AXLE Front mounting 1.54 tons capacity, semi-floating, Hypoid gearing.
STEERING Heavy-duty type worm and peg steering box, with reinforced column and extra-strong steering wheel.
STEERING AXLE Solid steel, suitably machined for swivel pin bushes. Centre pivoted.
STEERING MECHANISM AND HUBS Heavy-duty heat-treated alloy steel forgings. Sealed roller bearing hubs.
TYRES Driving — 6.00 x 16 6-ply open tread tractor type. Steering — 6.00 x 16 6-ply trailer type, wide profile.
BRAKES Front wheel hand and foot-operated drum, size 10 in x 1¾ in (254 mm x 44.5 mm).
CHASSIS Robust one-piece fabrication utilising rolled steel sections. Gusseted and reinforced for the heaviest duty.
CONTROLS Foot-operated brakes, clutch and accelerator. Hand-operated brake and skip control valve.
DRIVER'S SEAT Bostrom seat.
GRAVITY DUMP This model is supplied with a self-recovering dump mechanism with a hand-operated mechanical skip latch gear.

USE ON HIGHWAY These dumpers are suitable for use on Public Highways as Works Trucks. Number plates, licence holder, bulb horn, mirror, and certified weight ticket can be provided on request.
APPROX. ROAD SPEEDS
Top 10 mile/h (16 km/h)
Second 5½ mile/h (9 km/h)
First 2½ mile/h (4 km/h)
Reverse 2½ mile/h (4 km/h)
SHIPPING SPECIFICATION Unless otherwise specified, dumpers for export are shipped on their wheels, with engine waterproof wrapped and protectively timbered.
Net weight 25 cwt (1270 kg).
Gross weight 25½ cwt (1296 kg).



	Capacity Water	Struck	Heaped	Turning Circle Kerb to Kerb Right Hand	Left Hand
	20 cu ft 565 L	20 cu ft 570 L	28 cu ft 800 L	26 ft 0 in 7925 mm	22 ft 3 in 6780 mm
	A	B	C	D	E
JCM1150RP	9 ft 3 in 2819 mm	4 ft 9 in 1448 mm	3 ft 9 in 1142 mm	5 ft 6 in 1676 mm	9 in 229 mm
JCM1150RG	8 ft 11 in 2718 mm	4 ft 9 in 1448 mm	3 ft 7 in 1092 mm	5 ft 6 in 1676 mm	9 in 229 mm

JCM1150RP 1·15 ton power dump

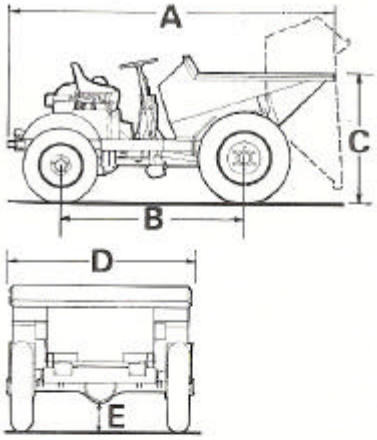
This model is supplied with a power operated dump skip. The hydraulic pump is enclosed gear driven direct on engine. Hydraulic piping is solid drawn steel except where flexibility is required for movement. The forward tipping and return of the skip are controlled by one simple extension double acting hydraulic ram. All other design features are as the JCM 1150 RG model.

JOHNSON JCM1500RG

1·50 ton gravity dump

ENGINE Petter PH.2 cold start air-cooled diesel, heavy-duty oil and air filters. Dust-proofed control gear.
CLUTCH Single dry plate 9 in (229 mm) diameter heavy-duty type.
GEARBOX Heavy-duty constant mesh three forward and one reverse. Double reduction.
Ratios: top 2.4:1, second 4.5:1, first 10.4:1, reverse 9.3:1
GEARBOX/AXLE DRIVE Direct propellor shaft with shock absorbing couplings.
DRIVE AXLE Front mounted, semi-floating type, Hypoid gearings.
STEERING Heavy-duty type worm and peg steering box, with reinforced column and extra-strong steering wheel.
STEERING AXLE Solid steel, suitably machined for swivel pin bushes. Centre pivoted.
STEERING MECHANISM AND HUBS Heavy-duty heat-treated alloy steel forgings. Sealed roller bearing hubs.
TYRES Driving — 7.50 x 16 6-ply open tread tractor type. Steering — 6.00 x 16 6-ply trailer type, wide profile.
BRAKES Front wheel hand and foot-operated drum, size 10 in x 1¾ in (254 mm x 44.5 mm).
CHASSIS A steel fabricated double frame of extremely rugged construction, made from rolled steel channels. A strong rear bumper bar with tow-hitch fitted.
CONTROLS Foot-operated brakes, clutch and accelerator. Hand-operated brake and skip release lever.
DRIVER'S SEAT Bostrom seat.
GRAVITY DUMP This model is supplied with a self-recovering dump mechanism with a hand-operated mechanical skip latch gear.

USE ON HIGHWAY These dumpers are suitable for use on the Public Highways, as Works Trucks. Number plates, licence holder, bulb horn, mirror, and certified weight ticket can be provided on request.
APPROX. ROAD SPEEDS
Top 10 mile/h (16 km/h)
Second 5½ mile/h (9 km/h)
First 2½ mile/h (4 km/h)
Reverse 2½ mile/h (4 km/h)
SHIPPING SPECIFICATION Unless otherwise specified, dumpers for export are shipped on their wheels with engine waterproof wrapped.
Net weight 23¼ cwt (1181 kg).
Gross weight 23¾ cwt (1206 kg).



JCM1500RG and-(JCM1500RP)

Skip Capacities Water	Struck	Heaped	Turning Circle Kerb to Kerb Right Hand	Left Hand
25 cu ft 710 L	25 cu ft 710 L	32.5 cu ft 920 L	26 ft 0 in 7925 mm	22 ft 3 in 6780 mm

A	B	C	D	E
9 ft 2 in 2794 mm	4 ft 9 in (5ft 3½in) 1448 mm (1614mm)	3 ft 9 in 1143 mm	5 ft 6 in 1676 mm	9 in 229 mm

JCM1500RP 1·50 ton power dump

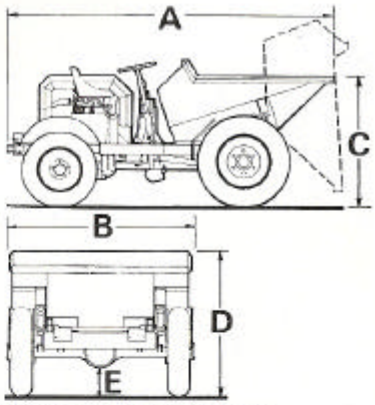
This dumper can also be supplied with hydraulic tipping and return skip. The hydraulic pump is enclosed gear driven direct on engine. Hydraulic piping is solid drawn steel except where flexibility is required for movement. The forward tipping and return of the skip are controlled by one single extension double acting hydraulic ram. All other design features are as the JCM 1500RG Gravity Dump model.

JOHNSON JCM2000RP

2 ton power dump

ENGINE Petter PH.2 cold start air-cooled diesel, with heavy-duty oil and air filters, and dust-proofed control gear.
CLUTCH Single dry plate 9 in (229 mm) diameter heavy-duty type.
GEARBOX Heavy-duty constant mesh three forward and one reverse. Ratios: top 1:1, second 1.85:1, first 4.3:1, reverse 3.85:1.
GEARBOX/AXLE DRIVE Hardy Spicer transmission shaft.
DRIVE AXLE Fully floating with double reduction gear head. Magnetic drain plug, large accessible oil filler. This axle is unique in its serviceability, the complete final drive assembly can be withdrawn from the axle as a complete unit, half shafts can be directly withdrawn, and the brake drums removed for inspection simply by taking off the wheel. The design ensures long trouble-free service.
STEERING Heavy-duty type worm and peg steering box, with reinforced column and extra-strong steering wheel.
STEERING AXLE Solid steel, suitably machined for swivel pin bushes. Centre pivoted.
STEERING MECHANISM AND HUBS Heavy-duty heat-treated alloy steel forgings. Sealed roller bearing hubs.
TYRES Driving — 7.50 x 20 8-ply tractor type. Steering — 6.00 x 16 6-ply wide profile, ribbed.
BRAKES 12 in x 3 in (305 mm x 76 mm) drum brakes on drive axle, hydraulically-operated from foot pedal. Hand-operated disc-type transmission parking brake.
CHASSIS Johnson Duplex design incorporates four-point axle mounting.
CONTROLS Foot-operated brakes, clutch and accelerator. Hand-operated brake and skip control valve.
DRIVER'S SEAT Bostrom seat.
HYDRAULIC SKIP CONTROL The hydraulic pump is enclosed gear drive direct on engine. Hydraulic piping is solid drawn steel except where flexibility is required for movement. Forward tipping and return of the skip are controlled by two single extension double-acting hydraulic rams.

DRIVING WHEELS Massive specially reinforced driving wheels are mounted on six ⅞ in. diameter H.T. studs, capnuts are fitted to all wheels.
USE ON HIGHWAY These dumpers are suitable for use on Public Highways as Works Trucks. Number plates, licence holder, bulb horn, mirror, and certified weight ticket can be provided on request.
APPROX. ROAD SPEEDS
Top 12 mile/h (20 km/h)
Second 6 mile/h (10 km/h)
First 3 mile/h (4 km/h)
Reverse 3 mile/h (4 km/h)
SHIPPING SPECIFICATION Unless otherwise specified, dumpers for export are shipped on their wheels, with engine waterproof wrapped and protectively timbered.
Net weight 27 cwt (1374 kg)
Gross weight 27½ cwt (1400 kg)



OIL IMMERSED BRAKES
This model is also available with totally enclosed brakes and has been specifically designed for site use only.

	Skip Capacities Water	Struck	Heaped	Turning Circle Kerb to Kerb Right Hand	Left Hand
JCM2000RP	35 cu ft 1000 L	35 cu ft 1000 L	47 cu ft 1330 L	29 ft 4 in 8940 mm	26 ft 6 in 8076 mm
JCM2000RG	30 cu ft 850 L	34 cu ft 960 L	42 cu ft 1200 L	29 ft 4 in 8940 mm	26 ft 6 in 8076 mm

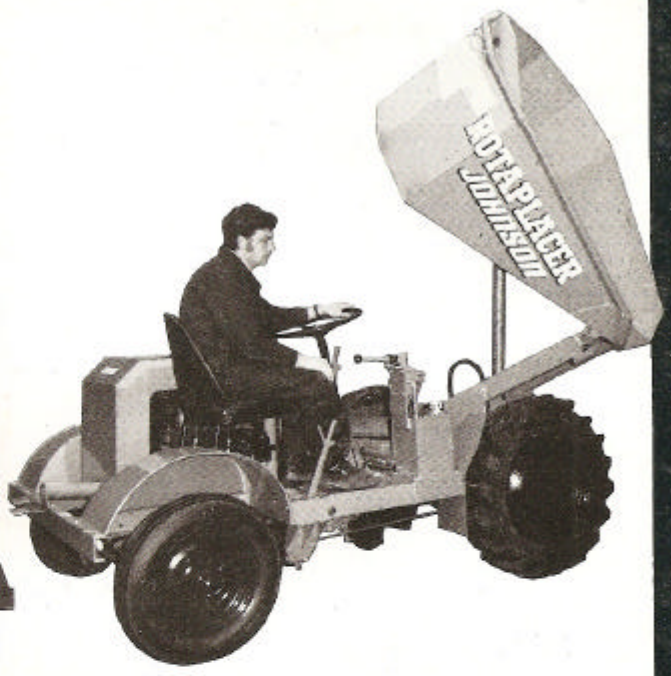
	A	B	C	D	E
JCM2000RP	10 ft 2 in 3100 mm	5 ft 11½ in 1815 mm	3 ft 11½ in 1205 mm	4 ft 6 in 1371 mm	9½ in 241 mm
JCM2000RG	10 ft 9 in 3276 mm	5 ft 11½ in 1815 mm	3 ft 11½ in 1205 mm	4 ft 6 in 1371 mm	9½ in 241 mm

JCM2000RG 2 ton gravity dump

All the money-saving features of the hydraulically tipped dumper are incorporated in the gravity tipped model to give a trouble-free, hard working dumper.

OIL IMMERSED BRAKES
This model is also available with totally enclosed brakes and has been specifically designed for site use only.

THE HI-PLACER has been designed to carry a payload of concrete over the roughest conditions—and deliver it accurately into shuttering, moulds or crane skips up to 5' 3" (1600mm) from the ground. The Hi-placer in common with all the models in this range is a development of the famous well tried Johnson Dumper, so you can depend on it for reliability, strength and low maintenance.



THE ROTAPLACER Specially designed to give precise elevated spot pouring, the Rotaplacer reduces costs and waste while increasing the speed, accuracy and overall efficiency of placing concrete and other free-flowing materials under the most varied conditions. There are no ledges or closed angles to cause build-up and the skip floor is of heavier gauge to withstand loading impact. No matter how rough the going is, the Rotaplacer can take it—and you can depend on it for reliability, reduced down-time and low maintenance costs.

A member of the Reliant Motor Group Ltd.

JOHNSON CONSTRUCTION MACHINERY LTD

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

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