JOHNSON
DUMPERS

ARTICULATED MODELS

4X4 WHEEL DRIVE POWER DUMP

JOHNSON JCM2250AP

2·25 ton power dump

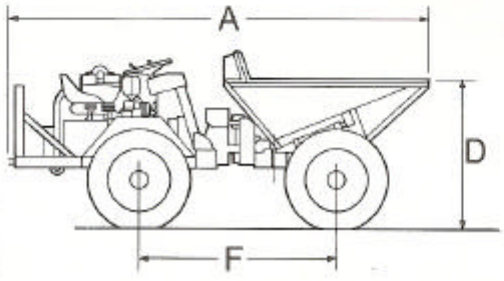
GENERAL SPECIFICATION

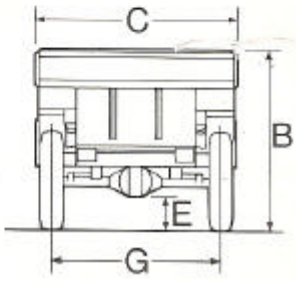
HAND BRAKE Disc transmission brake on gearbox output shaft.
CLUTCH 9" (228mm) single dry plate, carbon thrust.
TRANSMISSION 1" (25mm) pitch chain in oil bath with automatic spring steel tensioner.
PROP SHAFT High level Hardy Spicer telescopic with labyrinth seal at entry to chain case.
CENTRE PIVOT STEERING Hydraulic orbital power steering with dual shock valve actuating heavy-duty hydraulic ram which, in turn, actuates a cast steel hinge fore and aft chassis with steel hinge pin in bronze bearings.
TURNING RADIUS 12' 9" (3886mm).
ARTICULATION Steel shaft in bronze bearings allowing 11" (279mm) articulation between fore and aft chassis.
CONTROLS Foot operated pedals actuating wheel brakes, clutch and accelerator. Hand operated brake lever, hydraulic skip control lever.
EQUIPMENT 5½ gallon (25 litres) hydraulic tank with strainer, filter and sight glass. Rear engine guard incorporating engine starting barrel, full mudguards to rear wheels, mud flaps to front wheels, engine starting handle and stowage for same, wheel brace.
PAINT FINISH Undercoat and gloss top coat in Chrome Orange.
PAYLOAD 2.25 tons (2.3 tonnes).
SKIP Water and struck level 38.5 cu.ft. (1100 litres). Heaped capacity 55 cu.ft. (1600 litres) with splashback to protect driver. Top edges strengthened by folding over and welding down. Back stiffened by rolled steel angles welded on. Hydraulic tipping by two double acting rams. Loading height 4' 4¾" (1340mm) Height of skip lip when tipped 10¼" (260mm).

AXLES Hamworthy 1000 series with oil-immersed totally enclosed, multi-plate brakes, hydraulically operated from foot pedal. Dual circuit.
ENGINE Petter PH2 air cooled diesel, twin cylinder, developing 16.7 HP DIN 'B' rating at 1800 rpm.
GEARBOX Constant mesh, 3 forward and 1 reverse.
SPEEDS Top gear 10 mph (16.09 kph) 2nd 5.4 mph (8.69 kph) 1st 2.3 mph (3.7 kph) reverse 2.6 mph (4.18 kph).
SEAT Bostrom seat.
DIMENSIONS Length 12' 6" (3810mm) Width 6' 0" (1829mm) Overall height 5' 3¼" (1603 mm)
TYRES 10.50 x 18 x 6 ply Tractor Implement-Tubed
UNLADEN WEIGHT: 4144 lbs (1880 kg)

DRUM BRAKES *These are available as an alternative to oil-immersed brakes. Drive axles are fully floating, 4 ton rating with double reduction, fitted with 12" (300mm) x 3" (75mm) drum brakes, hydraulically operated from foot pedal. Tyres 7.50 x 20 x 8 ply Tractor Implement-Tubed.*

Model	A	B	C	D	E	F	G
JCM2250AP	12ft 6in	5ft 3⅛in	6ft 0in	4ft 4¾in	11¼in	5ft 10in	5ft 0¼in
	3810mm	1603mm	1829mm	1340mm	285mm	1778mm	1530mm





JOHNSON JCM3000AP

3 ton powerdump

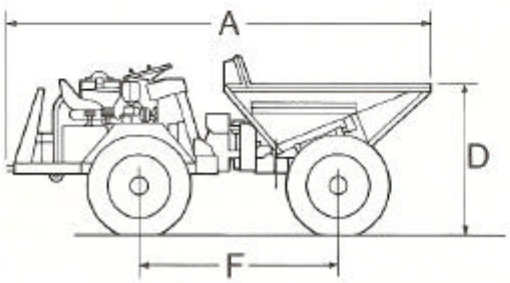
GENERAL SPECIFICATION

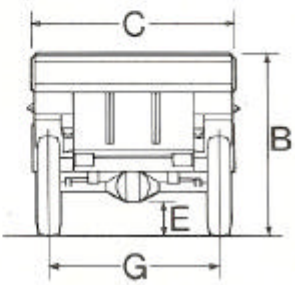
HAND BRAKE Disc transmission brake on gearbox output shaft.
CLUTCH 9" (228mm) single dry plate, carbon thrust.
TRANSMISSION 1" (25mm) pitch chain in oil bath with automatic spring steel tensioner.
PROP SHAFT High level Hardy Spicer telescopic with labyrinth seal at entry to chain case.
CENTRE PIVOT STEERING Hydraulic orbital power steering with dual shock valve actuating heavy-duty hydraulic ram which, in turn, actuates a cast steel hinge fore and aft chassis with steel hinge pin in bronze bearings.
TURNING RADIUS 12' 9" (3886mm)
ARTICULATION Steel shaft in bronze bearings allowing 11" (279mm) articulation between fore and aft chassis.
CONTROLS Foot operated pedals actuating wheel brakes, clutch and accelerator. Hand operated brake lever, hydraulic skip control lever.
EQUIPMENT 5½ gallon (25 litres) hydraulic tank with strainer, filter and sight glass. Rear engine guard incorporating engine starting barrel, full mudguards to rear wheels, mud flaps to front wheels, engine starting handle and stowage for same, wheel brace.
PAINT FINISH Undercoat and gloss top coat in Chrome Orange.
PAYLOAD: 3 tons (3.05 tonnes)
SKIP Water and struck level 45.5 cu.ft. (1300 litres). Heaped capacity 67 cu.ft. (1900 litres). With splashback to protect driver. Top edges strengthened by folding over and welding down. Back stiffened by rolled steel angles welded-on. Hydraulic tipping by two double-acting rams. Loading height 4' 5⅛" (1349mm). Height of skip lip when tipped 10¼" (260mm).

AXLES Hamworthy 1,000 series with oil-immersed, totally enclosed multi-plate brakes, hydraulically operated from foot pedal. Dual circuit.
ENGINE Lister ST3 air cooled diesel, three cylinder, developing 24 HP DIN 'B' rating at 1800 rpm. Cyclopac heavy duty air filter fitted.
GEARBOX Constant mesh, 4 forward and 4 reverse.
SPEEDS Forward and reverse: Top gear 8.5 mph (13.68 kph) 2nd 4.5 mph (7.24 kph) 1st 2 mph (3.22 kph).
SEAT Grammer cushioned seat, spring mounted. Shock absorbing suspension with height, weight and fore and aft adjustment. Folding seat pan.
DIMENSIONS Length 12' 6" (3810mm) Width 6' 6" (1981mm) Overall height 5' 4⅛" (1629 mm)
TYRES 10.50 x 18 x 8 ply Tractor Implement-Tubed
Unladen Weight: 4500 lbs (2041 kg)

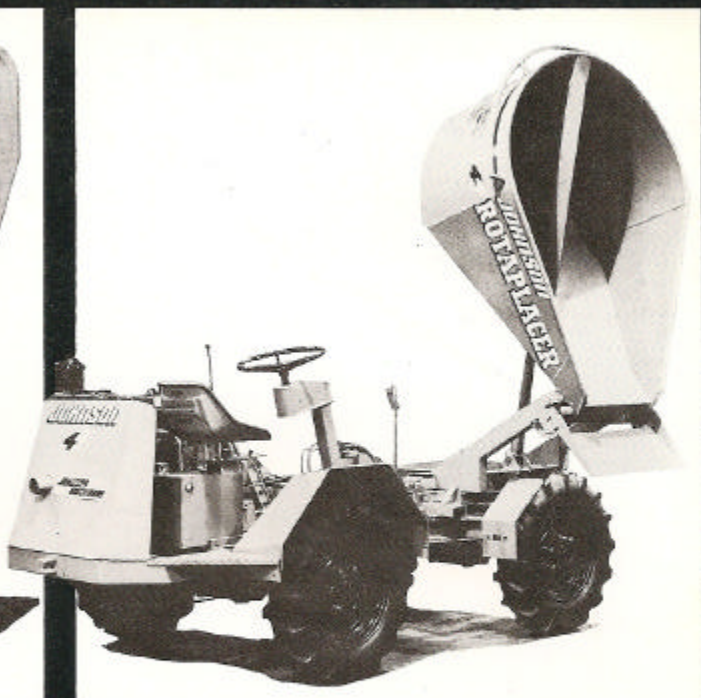
DRUM BRAKES *These are available as an alternative to oil-immersed brakes. Drive axles are fully floating, 4 ton rating with double reduction, fitted with 12" (300mm) x 3" (75mm) drum brakes, hydraulically operated from foot pedal.*

Model	A	B	C	D	E	F	G
JCM3000AP	12ft 6in	5ft 4⅛in	6ft 6in	4ft 5⅛in	11¼in	5ft 10in	5ft 3in
	3810mm	1629mm	1981mm	1349mm	285mm	1778mm	1609mm



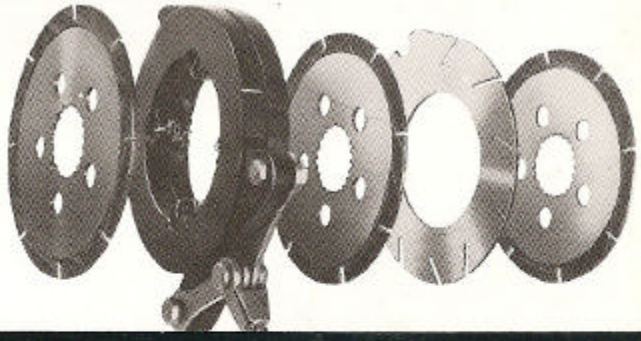


THE HI-PLACER With its four wheel drive, the Hi-placer has been designed to carry a payload of concrete over the roughest conditions — and deliver it accurately into shuttering moulds or crane skips up to 5' 3" (1600mm) from the ground. The Hi-placer in common with all the models in this range is a development of the famous well tried Johnson 4-wheel drive 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 four wheel drive of the Rotaplacer can take it—and you can depend on it for reliability, reduced down-time and low maintenance costs.

The 2250 and 3000 models have drive axles incorporating long life totally enclosed oil immersed multi-plate disc brakes. These give efficient and reliable 4-wheel braking for mud-wallowing conditions. The braking system employed has a number of special design features, including sintered bronze plates sandwiched between steel plates splined to the half shafts alongside the driving head. This allows ample heat dissipation via the large volume of oil contained in the axle casing.



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JOHNSON CONSTRUCTION MACHINERY LTD

Johnson Works, Adswood Road, Stockport SK3 8LG, England
Telephone: 061-480 2642 Telex: 667297 JOHMAC G
Spares and Service Department:
Telephone: 061-480 0654 Telex: 667297 JOHMAC G

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

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