

# JOHNSON MACHINERY

## Plant Guide

RANGE OF  
CONTRACTORS'  
EQUIPMENT

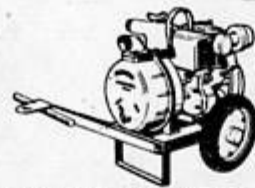
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## JOHNSON FASPRIME PUMPS



Rapid, positive, self-priming to 27ft suction (N.T.P. conditions). MK8A and Mk 17 2in portable - MK9A 3in portable. MK8A and MK9A Villiers C28 4 stroke petrol engine with two speed control. Mk 17 Honda G42 4 stroke petrol engine with variable speed control.

Suction Lift (Ft)	Model	Delivery Head (Feet Gauge)						
		0	10	20	30	40	50	60
5	8A	6,500	6,150	5,300	4,350	3,200	1,650	--
	17	6,500	6,150	5,300	4,350	3,200	1,650	--
	9A	9,900	9,400	8,700	7,900	6,700	5,200	2,850
15	8A	5,300	4,950	4,200	3,100	1,450	--	--
	17	5,300	4,950	4,200	3,100	1,450	--	--
	9A	8,000	7,800	7,350	6,600	5,400	3,800	--
25	8A	3,100	2,850	2,000	1,050	--	--	--
	17	3,100	2,850	2,000	1,050	--	--	--
	9A	5,500	5,300	5,100	4,650	3,650	1,500	--
27	8A	3,000	2,750	1,950	--	--	--	--
	17	3,000	2,750	1,950	--	--	--	--
	9A	4,500	4,400	4,200	3,750	2,650	--	--

MK14B 3in (or 2in) - Lister LR1 diesel engine - 3% bhp.  
Alternative Diesel engine - Air cooled Lister SR1 developing  
5% bhp, increasing quoted outputs approximately 10%, and  
delivery heads approximately 50%.  
Output in Imperial Gallons per hour at 1800 rpm.

Suction Lift (Ft)	Delivery Head (Feet Gauge)				
	0	10	20	30	35
5	9,000	8,300	7,100	5,500	4,500
15	7,800	6,800	5,200	3,000	--
25	5,900	5,250	3,300	--	--
27	4,800	4,400	--	--	--

MK16 2in - Petter AA1 single cylinder diesel engine.  
Output in Imperial Gallons per hour at 3000 rpm.

Suction Lift (Ft)	Delivery Head (Feet Gauge)						
	0	10	20	30	40	50	60
5	6,350	5,700	5,950	4,200	3,400	2,200	--
15	4,800	4,600	4,050	3,200	2,150	--	--
25	2,700	2,600	2,250	1,700	--	--	--

MK 12 4in - Trailer Mounted - Petter PH2 twin-cylinder diesel. Output in Imperial Gallons per hour at 1800 rpm.

Suction Lift (Ft)	Delivery Head (Feet Gauge)						
	0	10	20	30	40	50	60
5	22,000	21,500	20,100	17,900	14,600	11,200	6,600
15	19,800	18,300	16,200	13,800	10,800	6,400	--
25	12,100	11,900	11,000	8,600	5,600	--	--
27	9,500	8,400	7,600	5,400	--	--	--

All pumps embody the well-known Johnson oilfilled Dual-Seal.  
The wearing plate, impellor and impellor housing are all high grade cast iron and are easily renewable at little expense.

## JOHNSON POKER VIBRATORS



### FLEXIBLE SHAFT POKER

Low flexible shaft speed - High frequency vibration.

Centrifugal clutch fitted as standard.

Light and easy to handle.

Shaft and poker supplied as complete assemblies.

Standard shaft length 20 ft (6096 mm)

Fitted with either Villiers or Briggs and Stratton petrol or Petter diesel engines.

Nominal Diameter	Length	Vibrations per Minute Engine Speed 2750 rpm	Weight
1in 25.4 mm	15 in 381 mm	12,830	24 1/2 lb 11.2 kg
1 1/2 in 38.1 mm	17 1/2 in 451 mm	13,750	47 lb 21.3 kg
2 1/4 in 60.3 mm	23 in 584 mm	12,100	61 lb 27.7 kg

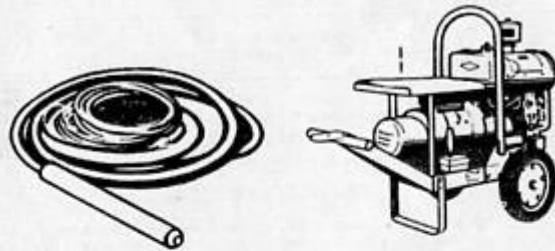
\* A 40 ft (12192 mm) long flexible shaft is available to special order (Diesel only).

### POWER UNIT SPECIFICATIONS

Model	Height	Width	Length	Weight
MK6 Petrol	1ft 9in 534 mm	1ft 3 1/2 in 394 mm	1ft 5in 432 mm	62 lb 28.1 kg
MK6D Diesel	2ft 610 mm	1ft 7 1/2 in 496 mm	1ft 10in 559 mm	150 lb 68.1 kg

Protective Steel Cage is standard with diesel unit and an optional extra with petrol unit.

# JOHNSON MULTIBRATOR



Automatic and completely enclosed on/off switch in rubber sleeve.

Motor in head Poker type concrete vibrators.  
200 cycles per second, 125 volts, 3-phase.  
Vibration frequently 12000 vpm.  
Thermal protected motor windings.

### POKER SIZES

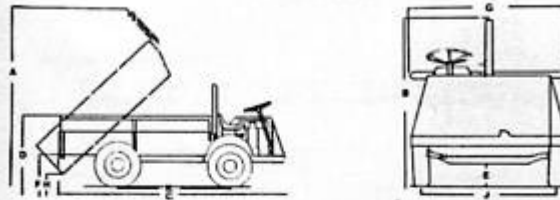
Model	P37	P48	P55	P65
Dia.	1.46 in 37 mm	1.89 in 48 mm	2.17 in 55 mm	2.56 in 65 mm
Length	13.78 in 350 mm	13.78 in 350 mm	18.31 in 465 mm	18.31 in 465 mm

Frequency Converter (250) 2.5 K.V.A.  
Frequency Converter (450) 4.5 K.V.A.  
Input - 400/440 volts 3-phase 50 cycles  
Output - 125 volts 3-phase 200 cycles  
Diesel alternators:  
(150) 1.5 kva - Petter Diesel AA1  
(450) 4.5 kva - Petter Diesel BA1

To operate, simultaneously, a combination of pokers of various sizes, the maximum permissible number (relative to prime mover) is shown in table.

Prime Mover	KVA	P37	P48	P55	P65S
450 Alternator	4.5	4	4	4	3
150 Alternator	1.5	2	2	1	1
450 Converter	4.5	4	4	4	3
250 Converter	2.5	2	2	2	1

# JOHNSON MOTIL



Capacity		Turning Circle Kerb to Kerb	
Payload	Struck	Right hand	Left hand
1 ton 1016 kg	65 cu ft 1900 litres	37ft 0in 11278 mm	38ft 0in 10973mm

A	B	C	D	E	F	G	H	J	K
9' 10" 2997 mm	5' 6" 1688 mm	12' 2" 3708 mm	3' 10" 1171 mm	9" 241 mm	1' 8" 520 mm	5' 3" 1600 mm	8" 215 mm	4' 5" 1346 mm	6' 0" 1828 mm

Net weight 26½ cwt (1333 kg)

Petter PH1T single cylinder air-cooled diesel engine. 9 in (229 mm) single plate dry clutch. Heavy duty constant mesh gearbox, 3 forward and 1 reverse. Semi-floating hypoid drive axle. Four wheel braking. Front 12" (305 mm) hydraulic discs, foot operated. Rear-rod operated foot and handbrake drum 10" x 1½" (254 mm x 44 mm). Approximate speeds - Top 9.0 mph (15 km/hr); 2nd 5.0 mph (8 km/hr); 1st 2.0 mph (3 km/hr); reverse 2.0 mph (3 km/hr); Tailgate can be specified, hinged top or bottom.

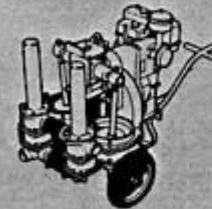
#### Optional Extras:

Driver's cab and windscreen  
Electric lighting and starting  
Power operated hydraulic tipping skip  
UK only : Licensed as a works truck

The Motil has been designed as a substitute for the much more expensive tractor and trailer combination and as an alternative to the lightweight petrol driven utility trucks now in use. It can be used on and off the highway for internal factory transportation, warehousing, baggage transportation, in park and recreation ground operations, highway repair work, farming, stock raising, estates, plantations etc.

For further information see Motil leaflet

# JOHNSON MUD PUMPS



MK4 fitted with Petter PAZ1 air-cooled diesel engine. MK5 fitted with Lister LT1 air-cooled diesel engine.  
Petrol or electric drive also available.  
Easy clean anti-clog ball valves - easy change diaphragms.  
Rugged oil bath gearing - sealed roller bearing cranks. All night fuel tanks.

Model	Nett Weight	Length (overall)	Height	Width (overall)	Max. Suction Lift	Max. Delivery Head	Max. Capacity
MK4	6½ cwt 330 kg	5ft 8½in 1745 mm	3ft 5½in 1055 mm	2ft 4½in 730 mm	27ft 8230 mm	50ft 15240 mm	3975 gph 18050 lph
MK5	7½ cwt 368 kg	6ft 1830 mm	3ft 2in 965 mm	3ft 3in 990 mm	27ft 8230 mm	55ft 16764 mm	5100 gph 23200 lph

Capacities shown are for clear water

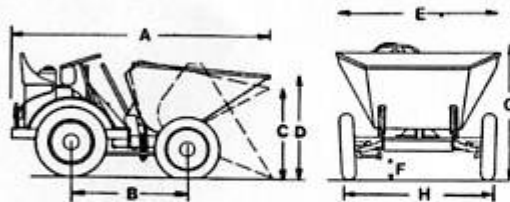
### FAST TOWING CHASSIS

A fast towing chassis is available for all Johnson Centrifugal and Mud pumps. This enables the pump to be moved rapidly from site to site. Trailer height is 20 in (508 mm) for maximum stability and ease of starting and servicing to the engine.

Mounted on india C46 5.60 x 13 x 4 ply tyres, or similar, with 8" x 1½" (203 mm x 38 mm) rod-operated overrun brakes, parking brakes, independent suspension, rubber mud guards, statutory reflecting triangle and ball or pin type towing eye. Hose stowage rack. Lighting is optional extra.

Length (Overall)	Width (Overall)	Track	Height of towing eye	Max towing speed
7ft 4½in 2254 mm	5ft 2½in 1594 mm	4ft 7in 1397 mm	1ft 8in 508 mm	50 mph 80 kph

# JOHNSON 1 TON DUMPER



Model	Capacity				Turning Circle Kerb to Kerb				
	Water (i)	Water (ii)	Struck	Heaped	Right hand	Left hand			
2HG	10 cu ft 300 litres	17½ cu ft 500 L	21 cu ft 600 L	27 cu ft 800 litres	22ft 9in 6934 mm	19ft 9in 6020 mm			
	A	B	C	D	E	F	G	H	
	8ft 6in 2591 mm	4ft 1220 mm	3ft 3in 991 mm	3ft 9in 1143 mm	5ft 1524 mm	9in 229 mm	11in 279 mm	4ft 6in 1372 mm	4ft 5in 1346 mm

### Net Weight 19½ cwt (890 kg)

Incorporates many original features — Rear Wheel Drive — Torque transfer gives more traction and amazing gradeability. Front Wheel steer for easier manoeuvring in tight situations. Drives like a car. Patented articulated chassis — constant loading on all wheels under severe ground conditions.

Two position skip — for work with various size mixers — also optional third platform position for stacked loads.

Sprung driving seat — less operator fatigue.

### New developments include—

Sealed oil bath roller chain drive — long life — simple to replace  
Heavy duty constant mesh gearbox, as fitted to bigger dumpers.

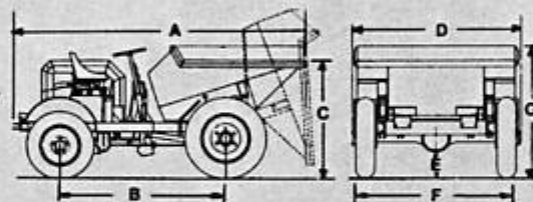
Oversize clutch. Wide profile steering tyres - better on soft ground.

As an optional extra, a third locking position can be provided so that the skip forms a low platform. 23 in (575 mm) from ground level, suitable for bagged cement, bricks, kerbing, etc.

Petter PH1T air cooled diesel engine. Heavy duty constant mesh gearbox, 3 forward and 1 reverse. 9 in (229 mm) single dry plate clutch. Rear mounted, semi-floating drive axle. Brakes 10 in x 1½ in (254 mm x 44.5 mm) drum. Road speeds Top 9 mph (15 km/hr); 2nd 5 mph (8 km/hr); 1st 2 mph (3 km/hr); Reverse 2 mph (3 km/hr).

For further details see Dumper Leaflet.

# JOHNSON 1.50 & 1.15 TON DUMPERS



### Models 1LG and 1LP 1.50 ton gravity or power dump

Model	Capacities			Turning Circle Kerb to Kerb			
	Water	Struck	Heaped	Right hand	Left hand		
	25 cu ft 750 litres	25 cu ft 750 litres	32.5 cu ft 1000 litres	26ft 0in 7925mm	22ft 3in 6780mm		
	A	B	C	D	E	F	G
	9ft 2in 2794mm	4ft 9in 1448mm	3ft 9in 1143mm	5ft 6in 1676mm	9in 229mm	4ft 7in 1397mm	4ft 8in 1422mm

Net Weights 1LG 23 cwt (1168kg)  
1LP 23½ cwt (1180kg)

### Models 1JP — 1.15 ton Power Dump and 1JG — 1.15 ton Gravity Dump

Model	Capacity			Turning Circle Kerb to Kerb			
	Water	Struck	Heaped	Right hand	Left hand		
	20 cu ft 600 litres	20 cu ft 600 litres	28 cu ft 800L	26ft 9in 7925mm	22ft 3in 6780mm		
	A	B	C	D	E	F	G
1JP	9ft 3in 2819mm	4ft 9in 1448mm	3ft 9in 1142mm	5ft 6in 1676mm	9in 229mm	4ft 7in 1397mm	4ft 8in 1422mm
1JG	8ft 11in 2718mm	4ft 9in 1448mm	3ft 7in 1092mm	5ft 6in 1676mm	9in 229mm	4ft 7in 1397mm	4ft 8in 1422mm

1JG — Net Weight 21 cwt (1066kg)

1JP — Net Weight 25 cwt (1270kg)

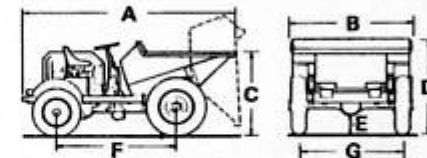
Models 1LG and 1LP are fitted with Petter PH2T diesel engine and models 1JP and 1JG with Petter PH1T.

Lister engines are available on all models as optional extras.

Heavy duty constant mesh gearbox 3 forward add 1 reverse. 9 in (229 mm) heavy duty clutch. Brakes 10 in x 1½ in (254 mm x 44.5 mm) drum. Road speeds (all models) Top 10 mph (16 km/hr); 2nd 5.5 mph (9 km/hr); 1st 2.5 mph (4 km/hr); Reverse 2.5 mph (4 km/hr).

2 JG and 2 JP. Identical to above machine except fitted with Lister ST1 engine. See Dumper leaflet for further details.

# JOHNSON 2 TON DUMPERS TWO WHEEL DRIVE



Model	Payload	Capacity			Turning circle kerb to kerb		
		Water	Struck	Heaped	Right hand	Left hand	
9EP	2 ton 2032kg	35 cu ft 1000 litres	35 cu ft 1000 litres	47 cu ft 1400 litres	29ft 4in 8940mm	26ft 6in 8076mm	
9EG	2 ton 2032kg	30 cu ft 850 litres	34 cu ft 1000 litres	42 cu ft 1200 litres	29ft 4in 8940mm	26ft 6in 8076mm	
8EP	2 ton 2032kg	35 cu ft 1000 litres	35 cu ft 1000 litres	47 cu ft 1400 litres	29ft 4in 8940mm	26ft 6in 8076mm	
8EG	2 tons 2032kg	30 cu ft 850 litres	34 cu ft 1000 litres	42 cu ft 1200 litres	29ft 4 in 8940mm	26ft 6in 8076mm	
		A	B	C	D	E	F
9EP	10ft 2in 3100mm	5ft 11½in 1816mm	3ft 11½in 1205mm	4ft 6in 1371mm	9½in 242mm	5ft 10½in 1791mm	5ft 2¼in 1597mm
9EG	10ft 9in 3276mm	5ft 11½in 1816mm	3ft 11½in 1205mm	4ft 6in 1371mm	9½in 242mm	5ft 10½in 1791mm	5ft 2¼in 1597mm
8EP	10ft 2in 3100mm	5ft 11½in 1816mm	3ft 11½in 1205mm	4ft 6in 1371mm	9½in 242mm	5ft 10½in 1791mm	5ft 0¼in 1530mm
8EG	10ft 9in 3276mm	5ft 11½in 1816mm	3ft 11½in 1205mm	4ft 6in 1371mm	9½in 242mm	5ft 10½in 1791mm	5ft 0¼in 1530mm

Net Weight approx. 9E 27½ cwt (1384 kg)  
8E 27½ cwt (1384 kg)

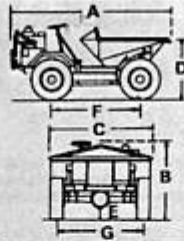
Speeds 9E - Top 12m.p.h. (20k.p.h.), 2nd 7m.p.h. (11.26k.p.h.), 1st 3m.p.h. (4.83k.p.h.), Reverse 3m.p.h. (4.83k.p.h.)  
8E - Top 11m.p.h. (17.70k.p.h.), 2nd 6m.p.h. (9.66k.p.h.), 1st 2m.p.h. (3.22k.p.h.), Reverse 3m.p.h. (4.83k.p.h.)

Also available with Trip Skip, Rotaplacer, Hi-placer and Humper systems. Lister engine optional extra. Disc brakes optional on 8E. Hand transmission brake standard on 9E and 8E. 9E utilises axle as used on 3KP, 8E that fitted on 2KP.

See Dumper and Humper leaflets for further details.

# JOHNSON

## 2/2½ TON DUMPERS



Model	Payload	Capacity			Turning circle kerb to kerb Clear of Skip
		Water	Struck	Heaped	
3KP	2.50 tons 2540kg	42.5 cu ft 1250 litres	42.5 cu ft 1300 litres	60 cu ft. 1800 litres	25 ft 6in 7772mm
2KP	2.50 tons 2540kg	42.5 cu ft 1250 litres	42.5 cu ft 1300 litres	60 cu.ft 1800 litres	25ft 6in 7772mm
1KP	2 tons 2032kg	32 cu ft 950 litres	32 cu ft 950 litres	50 cu ft 1600 litres	25ft 7in 7798mm

Net Weight	3KP 37¼cw (1892kg)
	2KP 37¼cw (1905kg)
	1KP 34¼cw (1753kg)

Model	A	B	C	D	E	F	G
3KP	12ft 5¼in 3804mm	5ft 3¼in 1603mm	5ft 11¼in 1822mm	4ft 5¼in 1349mm	11¼in 286mm	5ft 10in 1778mm	5ft 2¼in 1597mm
2KP	12ft 5¼in 3804mm	5ft 3¼in 1603mm	5ft 11¼in 1822mm	4ft 5¼in 1349mm	11¼in 286mm	5ft 10in 1778mm	5ft 0¼in 1530mm
1KP	11ft 3in 3430mm	5ft 2in 1575mm	5ft 11in 1816mm	3ft 10in 1168mm	11¼in 286mm	5ft 10in 1778mm	5ft 0¼in 1530mm

Engine - 3KP and 2KP, Lister SR3 air cooled diesel engine. Petter PH2T optional.  
1KP, Petter PH2T air cooled diesel engine. Lister SR3 optional

All 3 dumpers fitted with heavy duty constant mesh gearboxes, 3 forward, 1 reverse. 9in (229mm) automotive dry plate clutch

Axles - 3KP Fully floating double reduction incorporating totally enclosed, hydraulically operated, multi-disc, oil-immersed brakes. Dual circuit. Hand transmission brake

2KP Fully floating double reduction axles of massive construction. Brakes 12in x 3in (305mm x 76mm) sealed drums. Hydraulically operated. Dual circuit. Hand transmission brake. Disc brakes optional. Drum brakes designed for ease of maintenance.

1KP Fully floating double reduction axles. Brakes, 12in x 2¼in (305 x 67mm) sealed drum brakes. Disc brakes and hand transmission brake optional extra.

12.00 x 1½ 12 ply Stabilia traction tyres can be fitted as an optional extra on 2K and 3K dumpers.

Speeds 3KP Top 9m.p.h. (14.48k.p.h.) 2nd 5m.p.h. (8.04 k.p.h.)  
1st 2 m.p.h. (3.22 k.p.h.) Reverse 2 m.p.h. (3.22 k.p.h.)

2KP Top -9m.p.h. (14.48k.p.h.) 2nd 5m.p.h. (8.04k.p.h.) 1st 2m.p.h (3.22k.p.h.) reverse 2m.p.h. (3.22k.p.h.)

1KP Top 9.5m.p.h. (15.2k.p.h.) 2nd 5m.p.h. (8.0k.p.h.) 1st 2m.p.h (3.22k.p.h.)

# JOHNSON

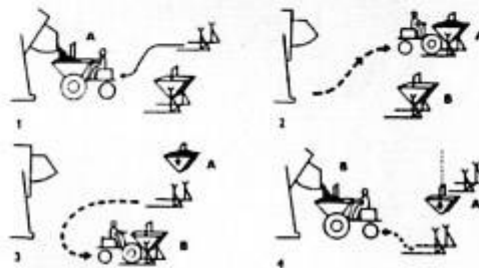
## 'TRIP-SKIP' SYSTEM

British Patent 893, 544

Converts standard Johnson Dumpers to simple, reliable, multi-skip handling. The Dumper picks up and puts down full or empty crane skips.

Operational sequence when handling concrete.

This simple sequence illustrates the employment of Trip-Skip when the mixing position is outside the working radius of the crane, e.g. when the site is too congested and when crane tracks cannot be extended owing to levels or distances involved, when central mixing must be employed. One or more dumpers can serve a multiplicity of working points simultaneously.



Key to diagram:

1. Trip skip A is filled from mixer or wet hopper. Crane drops skip B on Ground Frame.
2. Filled skip A is lodged on vacant Ground Frame.
3. Dumper reverses clear and proceeds to other Ground Frame to collect empty skip B. Crane hoists skip A.
4. Skip B is refilled while crane is discharging skip A and returning it to Ground Frame.

Applications: Shuttle dumper between batch plant and crane. Controlled spreading of concrete and direct pouring from dumper. Waste and spoil collection in skips awaiting collection by dumper. Eliminates dumper waiting time.

Dumper 2HG : Trip-Skip (wet level) 16 cu.ft (453 L). Net weight 405 lb (184 kg).

Dumpers 1JG, 2JG & 1LG: Trip-Skip (wet level) 18 cu.ft (510L). Net Weight 438 lb (198 kg).

Dumpers 8EG and 9EG: Trip-Skip (wet level) 21 cu.ft. (594 L). Net weight 549lb (249 kg)

Note: Dumper type designation suffix changes from 'G' to 'T' when fitted with Trip-Skip equipment e.g. 2HG becomes 2HT.

# JOHNSON

## ROTAPLACERS

with 180° Slewing Skip

Type	Payload	Weight	Wet Level Capacity		Skip Throat Width	Wide Throat
			Standard	Wide Mouth		
3KS	130 cwt 1524kg	37¼cwt 1892kg	24 cu.ft 700 litres	27 cu.ft 800 litres	1ft 6in* 457mm	4ft 0in 1219mm
2KS	130 cwt 1524kg	37¼cwt 1905kg	24 cu.ft 700 litres	27 cu.ft 800 litres	1ft 6in* 457mm	4ft 0in 1219mm
1KS	130 cwt 1524kg	35cwt 1778kg	24 cu.ft 700 litres	27 cu.ft 800 litres	1ft 6in* 457mm	4ft 0in 1219mm
9ES	130 cwt 1524kg	27¼cwt 1384kg	24 cu.ft 700 litres	27 cu.ft 800 litres	1ft 6in* 457mm	4ft 0in 1219mm
8ES	130 cwt 1524kg	27¼cwt 1384kg	24 cu.ft 700 litres	27 cu.ft 800 litres	1ft 6in* 457mm	4ft 0in 1219mm
1JS	**20 cwt	21 cwt	17.5 cu.ft 500 litres	19 cu.ft 550 litres	2ft 0in	3ft 1¼in
2JS	1016kg	1067kg			610mm	953mm

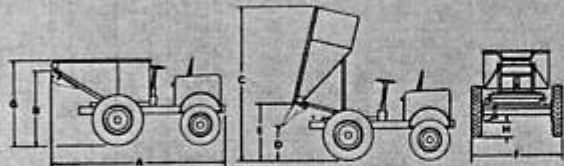
	Turning Circle Kerb to Kerb		Sideways Reach Outside	
	Right Hand	Left Hand	With Chute	Without Chute
3KS	24ft 6in	24ft 6in	2ft 1in	1ft 2¼in
2KS	7468mm	7468mm	635mm	375mm
1KS	25ft 7in 7798mm	25ft 7in 7798mm	2ft 1in 635mm	1ft 2¼in 375mm
9ES	29ft 4in 8941mm	26ft 6in 8077mm	2ft 1in 635mm	1ft 2¼in 375mm
8ES	29ft 4in 8941mm	26ft 6in 8077mm	2ft 1in 635mm	1ft 2¼in 375mm
1JS	26ft 0in	22ft 3in	Details on Application	1ft 2¼in
2JS	7925mm	6782mm		369mm

\*4ft (1219mm) wide throat can be supplied as an optional extra (without chute)

† Stable fully tipped with 16cwt (813kg) retained in skip

\*\* Stable fully tipped with 11cwt (559kg) retained in skip.

# JOHNSON ROTAPLACERS



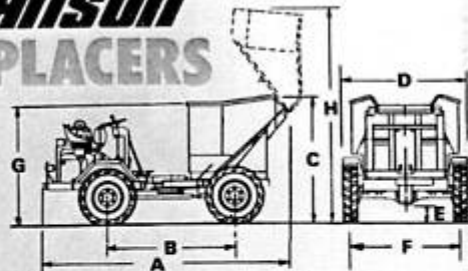
180° Slewing Version

Type	A	B	C	D
3KS	13ft 5 1/2in 4208mm	4ft 7in 1397mm	10ft 4 1/2in 3159mm	3ft 2in 965mm
2KS	13ft 5 1/2in 4208mm	4ft 7in 1397mm	10ft 4 1/2in 3159mm	3ft 2in 965mm
1KS	12ft 2 1/2in 3721mm	4ft 9in 1448mm	10ft 3in 3124mm	3ft 0in 914mm
9ES	11ft 3 3/4in 3442mm	4ft 7 1/2in 1409mm	10ft 2 3/4in 3116mm	2ft 7 1/2in 800mm
8ES	11ft 3 3/4in 3442mm	4ft 7 1/2in 1409mm	10ft 2 3/4in 3116mm	2ft 7 1/2in 800mm
8ES Mod. 8	11ft 3 3/4in 3442mm	5ft 3 1/2in 1612mm	10ft 10in 3320mm	3ft 3 1/2in 1004mm
8ES Mod. 12	11ft 3 3/4in 3442mm	5ft 7 1/2in 1714mm	11ft 2 3/4in 3421mm	3ft 7 1/2in 1105mm
1JS	10ft 1in 3073mm	4ft 4in 1321mm	9ft 5in 2870mm	2ft 9 1/2in 849mm
2JS				

Type	E	F	G	H
3KS	4ft 0in 1193mm	5ft 10 1/2in 1809mm	5ft 5 1/2in 1664mm	11 1/2in 292mm
2KS	4ft 0in 1193mm	5ft 11 1/2in 1809mm	5ft 5 1/2in 1664mm	11 1/2in 292mm
1KS	4ft 0in 1193mm	5ft 11 1/2in 1809mm	5ft 6in 1676mm	11 1/2in 286mm
9ES	3ft 11in 1193mm	5ft 11 1/2in 1809mm	5ft 1in 1550mm	9in 229mm
8ES	3ft 11in 1193mm	5ft 11 1/2in 1809mm	5ft 1in 1550mm	9in 229mm
8ES Mod. 8	4ft 7in 1397mm	5ft 11 1/2in 1809mm	5ft 9in 1753mm	9in 229mm
8ES Mod. 12	4ft 11in 1499mm	5ft 11 1/2in 1809mm	6ft 1in 1854mm	9in 229mm
1JS	3ft 8 1/2in 1129mm	5ft 6in 1676mm	4ft 7in 1397mm	9 1/2in 235mm
2JS				

On models 1JS and 2JS the overall height at back of skip closed is 4ft 8in (1442mm)  
For further details see Rotaplayer leaflet.

# JOHNSON HI-PLACERS



Model	Capacity			Turning Circle Kerb to Kerb	
	Payload	Water	Struck	Right hand	Left hand
3KH 2KH 1KH	40 cwt 2032 kg	35.8 c/f 1050 litres	40 c/f 1200 litres	25ft 7in 7798mm	25ft 7in 7798mm
9EH 8EH	40 cwt 2032 kg	35.8 c/f 1050 litres	40 c/f 1200 litres	29ft 4in 8940mm	26ft 6in 8076mm

	A	B	C	D	E	F	G	H
3KH	12ft 5in 3758mm	5ft 10in 1778mm	6ft 1 1/2in 1867mm	5ft 10 1/2in 1784mm	11 1/2in 291mm	5ft 2 1/2in 1597mm	5ft 9 1/2in 1759mm	10ft 0in 3048mm
2KH	12ft 5in 3785mm	5ft 10in 1778mm	6ft 1 1/2in 1867mm	5ft 10 1/2in 1784mm	11 1/2in 291mm	5ft 0 1/2in 1530mm	5ft 9 1/2in 1759mm	10ft 0in 3048mm
1KH	11ft 6in 3505mm	5ft 10in 1778mm	5ft 5 1/2in 1657mm	5ft 11in 1803mm	11in 285mm	5ft 0 1/2in 1530mm	5ft 10in 1778mm	9ft 11in 3022mm
9EH	10ft 3in 3149mm	5ft 10in 1778mm	5ft 1 1/2in 1561mm	5ft 11in 1803mm	9 1/2in 235mm	5ft 2 1/2in 1597mm	5ft 7in 1702mm	9ft 6 1/2in 2907mm
8EH	10ft 3in 3149mm	5ft 10in 1778mm	5ft 1 1/2in 1561mm	5ft 11in 1803mm	9 1/2in 235mm	5ft 0 1/2in 1530mm	5ft 7in 1702mm	9ft 6 1/2in 2907mm

1KH Weight 33 cwt (1678 kg).  
The HI-PLACER is ideally suited for carrying a 2 ton payload of concrete through the roughest site conditions.  
The large capacity hydraulically operated skip, 35.8 cu ft. (1014 Litres) wet level, provides controlled, high-level, forward placing of concrete into shuttering, concrete moulds, or crane skips up to 5ft 3in (1600 mm) from the ground.  
The skip design ensures a smooth gradual flow of concrete, facilitating accurate, fast and safe pouring.  
The HI-PLACER is a development of the famous, well-tried JOHNSON IK Dumper, assuring reliability, strength and low maintenance costs. Another feature of this purpose-built concrete placer is the interchangeable of the skip assembly, providing the user with "three machines-in-one". The high discharge skip and sub-frame are easily detachable from the main chassis to be replaced with the standard power-tipped dumper skip, or with the Rotaplayer skip and cradle, giving 180° slewing for side or forward concrete placing.  
Technical specification is identical with the relevant Dumpers upon which the above models are based.  
See "Dumpers and Hi-placers" leaflets for further details.

# JOHNSON HUMPERS

TWO WHEEL DRIVE



GENERAL INFORMATION

Model	Overall		Mast Height		
	Length	Width	Vertical		Raked back
Extended			Retracted	Retracted	
8EF10	8ft 1 1/2in 2718mm	6ft 0in 1828mm	13ft 3in 4038mm	8ft 3in 2514mm	6ft 9in 2057mm
7EF14	10ft 4in 3150mm	6ft 4 1/2in 1943mm	17ft 10in 5436mm	10ft 10in 3302mm	10ft 1 1/2in 3083mm
Model	Ground Clearance	Wheel Base	Track	Turning circle kerb to kerb	
				Right hand	Left hand
8EF10	9in 229mm	5ft 10in 1778mm	5ft 0 1/2in 1513mm	29ft 6in 8991mm	28ft 6in 8686mm
7EF14	9in 229mm	6ft 10 1/2in 2095mm	5ft 4 1/2in 1644mm	35ft 0in 10668mm	33ft 0in 10058mm

Net weight - approx 44cwt 2235 kilos (8EF10);  
53cwt 2718 kilos (7EF14);

Petter PH2T twin cylinder diesel engine, 9in (229mm) single dry plate clutch. Constant mesh gearbox, 3 forward and 1 reverse approx. Road speeds - top 12 mph (20km/h), 17EF14 11 mph, 17.7 km/h; 2nd 6 mph (10km/h); 1st 3 mph (4km/h); Reverse 3 mph (4km/h).

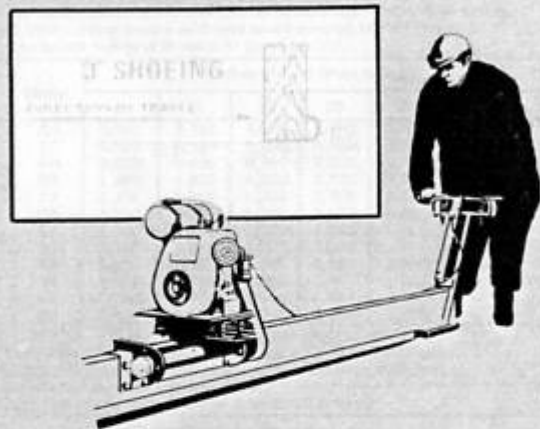
Very heavy duty steering gear, all parts heat treated forgings - and identical for all models in Johnson range. Lister SR3 Diesel optional.

Driving Axle 8EF10 - Fully floating double reduction drive axle. Brakes - 12in x 3in (305 x 76 mm) Disc Brakes optional. Easily serviced.

7EF14 - Fully floating double reduction drive axle. Brakes 12 in x 3 in (305 x 76mm) sealed drums. Disc brakes optional. Brakes are accessible by removal of wheel, no dismantling of hubs is necessary. 12.00 x 18 12 ply Stabilia traction tyres.

# **JOHNSON**

## SCREED BOARD VIBRATOR



Under normal conditions widths of 20 ft (6.1 M) and more can be effectively compacted and finished.

Compaction — 5 to 6 in with J Shoeing fitted.

Vibration characteristics:

Frequency — 4000 vibrations per minute.

Acceleration — 5.99 G.

Amplitude — 0.13 in.

Villiers C12 single-cylinder air-cooled petrol engine developing 1.6 bhp at 3000 rpm.

Recommended boards — straight grained 9 in x 3 in (229 mm x 76 mm) up to 22 ft (6.7 M). Two vibrator units can be fitted if necessary.

Johnson Screed Board Vibrator can be adapted as a Pan Vibrator — 29 in x 16 in (737 mm x 406 mm).

Weight 173 lb (78 kg)

Ancillary Equipment.

Johnson 'J' Shoeing in 3 ft (914 mm) and 6 ft (1830 mm) lengths.

Return rollers — Anti-vibration handles.