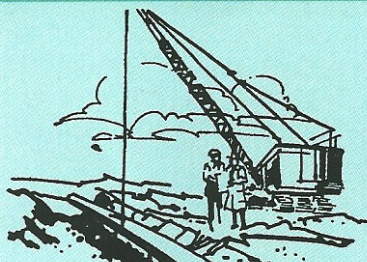
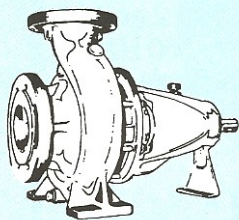


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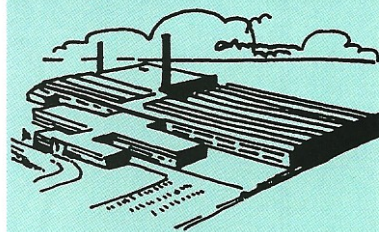
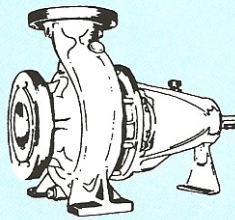


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back pull out centrifugal end suction pumps



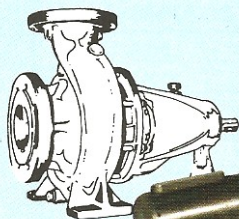
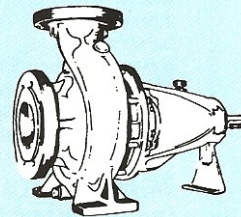
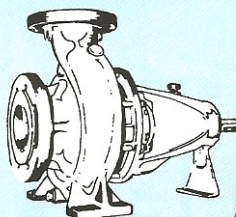
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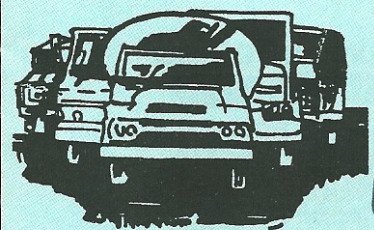
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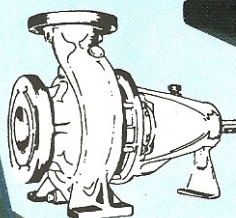
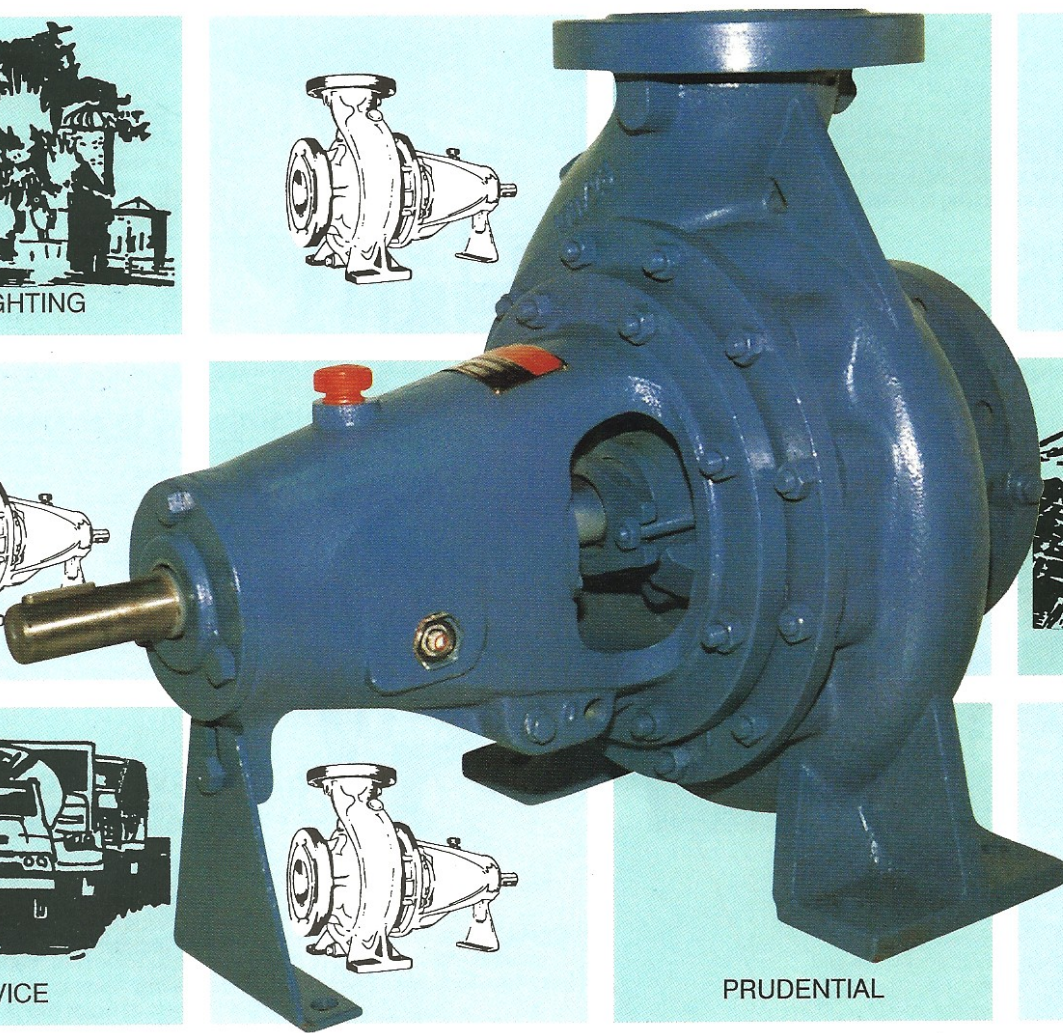
FIRE FIGHTING



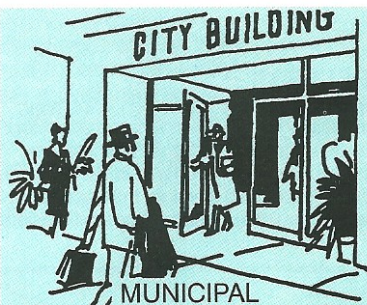
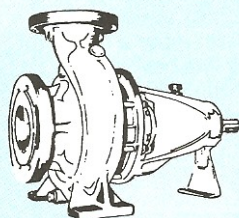
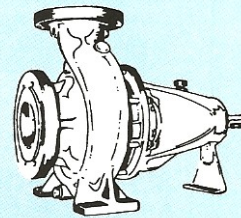
IRRIGATION



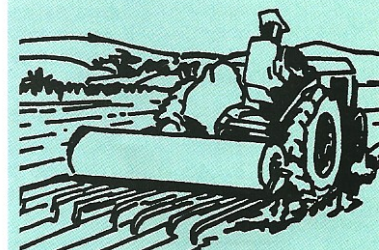
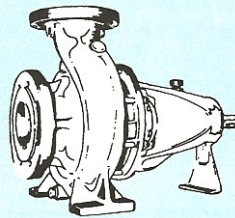
SERVICE



PRUDENTIAL



MUNICIPAL

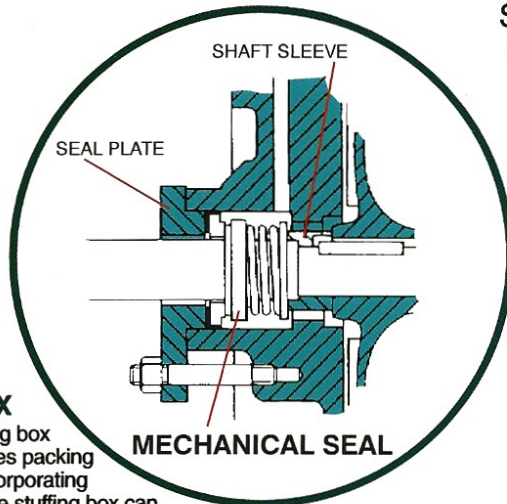


LIQUID FERTILIZER

BS SINGLE STAGE PUMP TO DIN 24255

Range from 32mm-150mm discharge

JXS pump range fully complies to the International Standard DIN 24255, which is a performance and dimensional standard. This range has 34 models with grease lubricated bearings and a further four models with oil lubricated bearings which give a wide hydraulic coverage at both 2 and 4 pole speeds for 50 Hz and 60 Hz. Most models are suitable for 16 bar working pressure.



STUFFING BOX

The standard stuffing box arrangement includes packing with lantern ring incorporating internal flushing. The stuffing box can be connected for external liquid flush or for fitting a cyclone separator. Pump can be supplied with a mechanical seal and if required field conversion from packed stuffing box to mechanical seal, or from mechanical seal to packing is easy.

BEARING HOUSINGS

Only three bearing housings are required for the total pump range which gives high interchangeability of parts across the complete range.

BEARINGS

Bearings are grease lubricated and are fitted with grease nipples which will allow periodic regreasing of the bearings for improved life.

SUPPORT FOOT

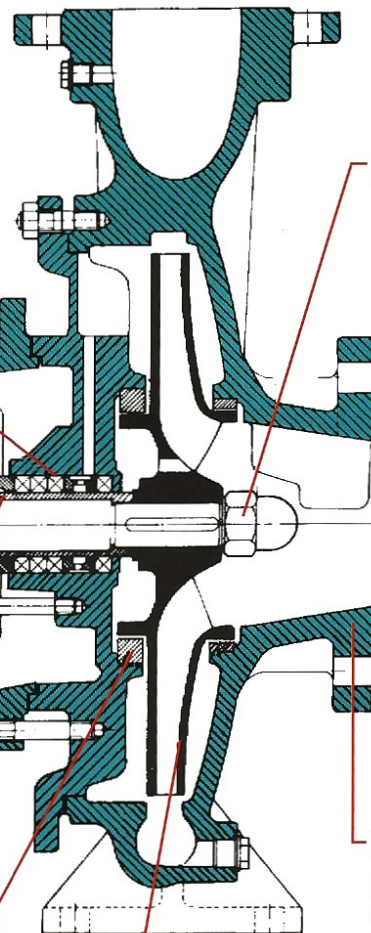
A removable support foot is fitted at the drive end for greater rigidity and ease of maintenance.

SHAFT SLEEVE

Replaceable stainless steel positively driven shaft sleeve is of substantial benefit when pump requires maintenance. Any damage under the gland packing can be quickly rectified by replacing the sleeve and not the whole shaft.

WEAR RINGS

Replaceable wear rings are fitted to all casings and also to back covers on larger pumps which gives considerable maintenance cost and time saving.



SHAFT

The stainless steel shaft is sealed at the impeller by means of dome type locking nut.

VOLUTE CASING

The volute casing has integrally cast feet, axial suction and robust vertical top centre-line discharge. Inlet has cast vane to improve flow into impeller eye.

IMPELLERS

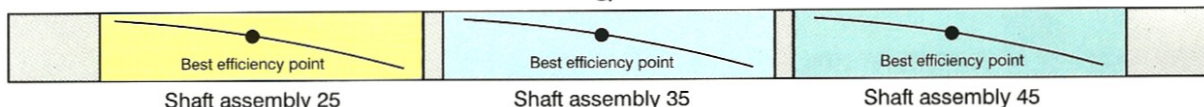
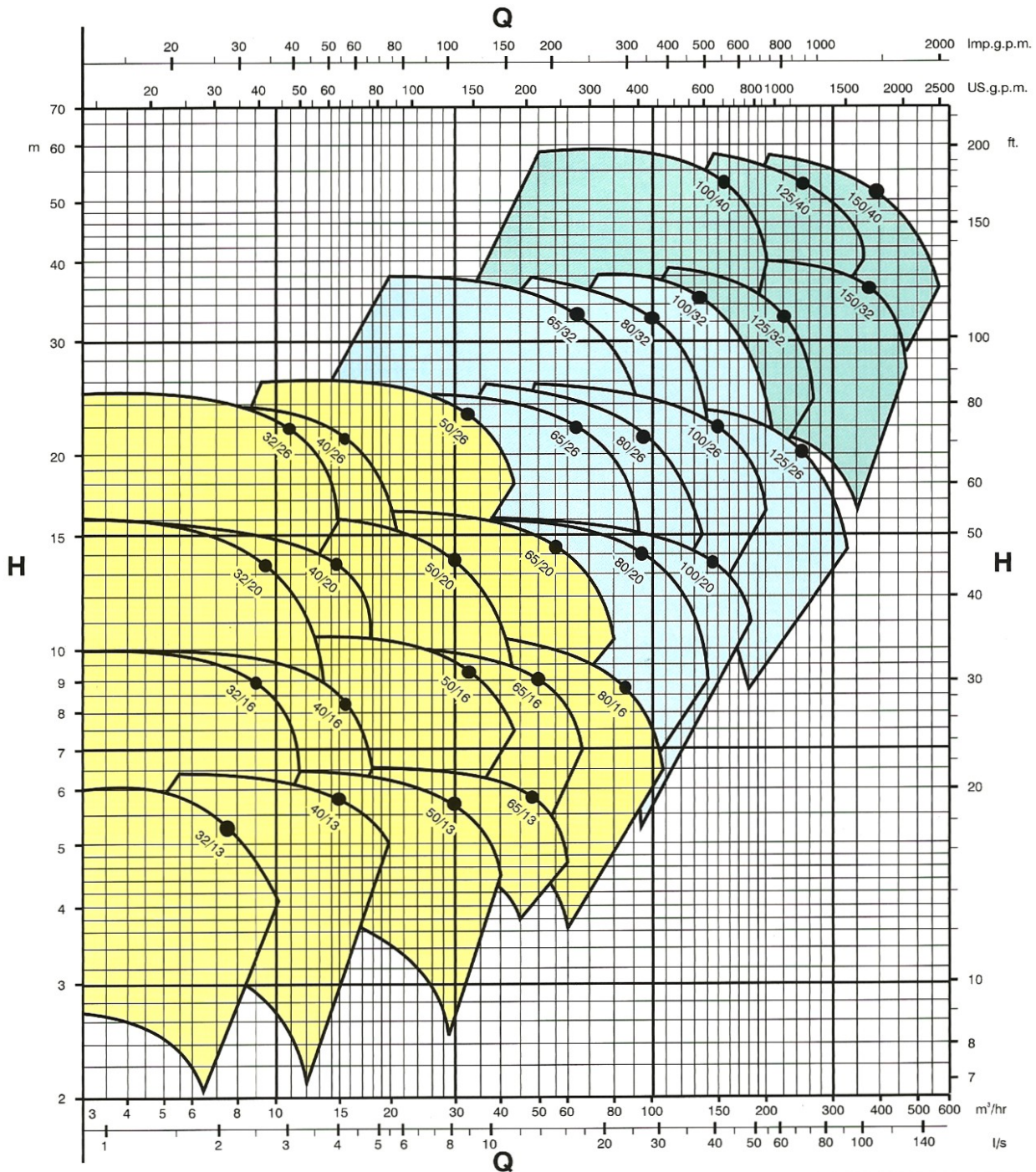
Impellers are of the double shrouded type, hydraulically balanced on smaller diameters by back vanes and on larger diameters by replaceable wear rings. Twisted vane design gives optimum fluid flow into the impeller eye, enhancing suction performance and efficiency.

BS SINGLE STAGE PUMP TO DIN 24255

CAPACITY: UP TO 540m³/h

HEAD: UP TO 55m

Range chart for selection of Swift BS Pumps at 1450 r.p.m.



1450 RPM Non-overloading power required when handling water SG 1.0

SIZE	KW	HP	SIZE	KW	HP	SIZE	KW	HP	SIZE	KW	HP
32/13	0.25	0.33	50/13	1.1	1.5	65/32	15	20	100/40	37	50
16	0.55	0.75	16	1.5	2	80/16	3	4	125/26	18.5	25
20	1.1	1.5	20	2.2	3	20	5.5	7.5	32	30	40
26	2.2	3	26	4	5.5	26	7.5	10	40	55	75
40/13	0.55	0.75	65/13	1.1	1.5	32	18.5	25	150/32	45	60
16	0.75	1	16	2.2	3	100/20	7.5	10	40	90	120
20	1.5	2	20	4	5.5	26	15	20			
26	3	4	26	7.5	10	32	18.5	25			

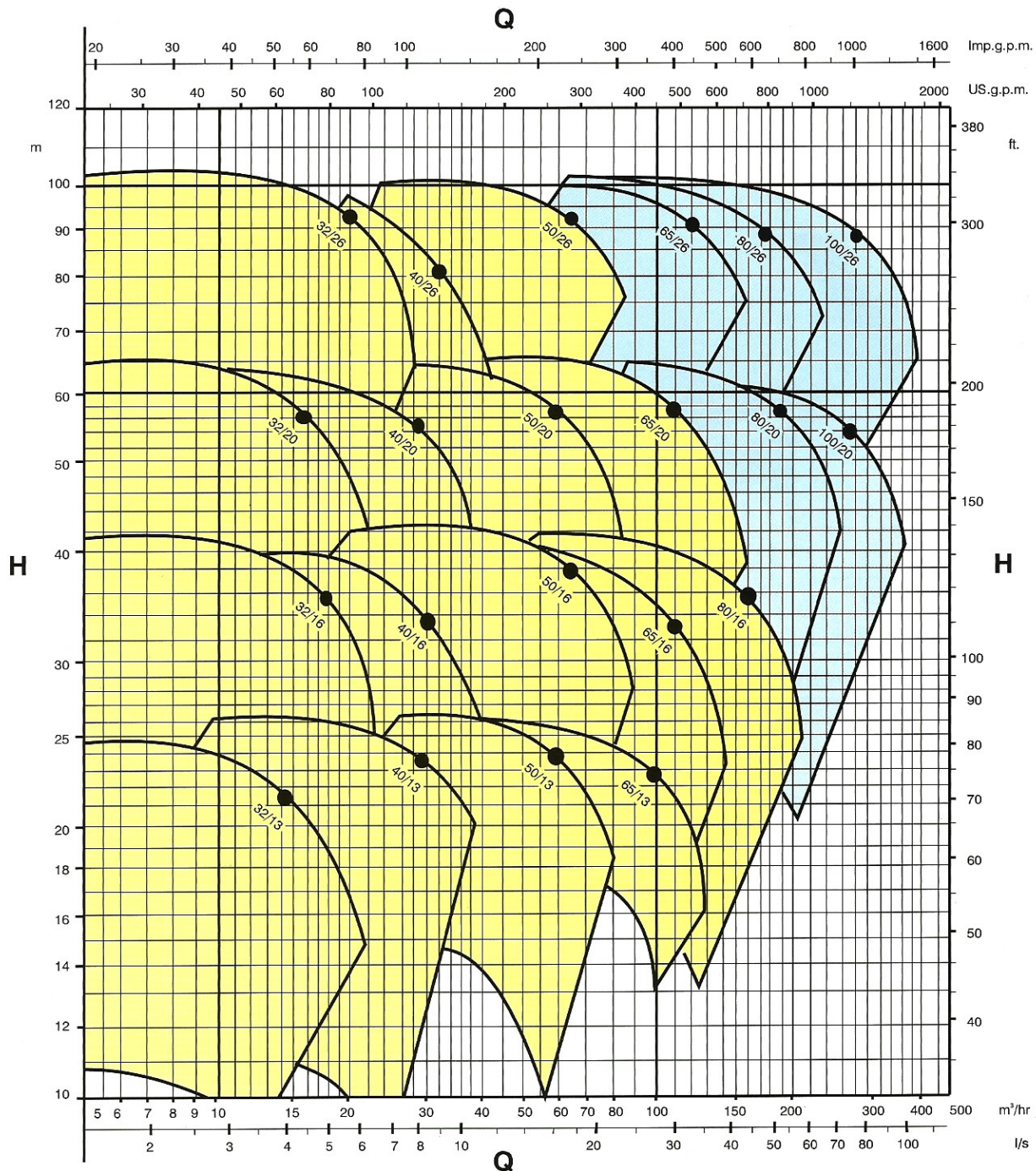


BS SINGLE STAGE PUMP TO DIN 24255

CAPACITY: UP TO 360m³/h

HEAD: UP TO 100m

Range chart for selection of Swift BS Pumps at 2900 r.p.m.



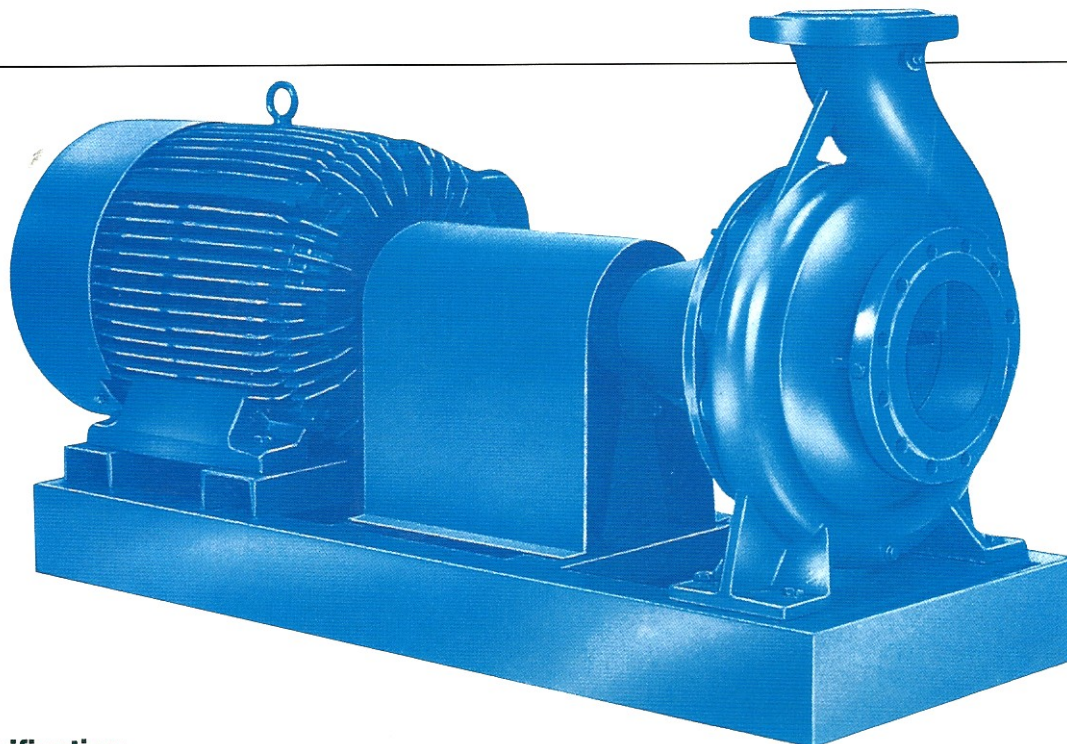
Shaft assembly 25

Shaft assembly 35

2900 RPM Non-overloading power required when handling water SG 1.0

SIZE	KW	HP	SIZE	KW	HP	SIZE	KW	HP
32/13	2.2	3	50/13	7.5	10	80/16	22	30
16	4	5.5	16	11	15	20	45	60
20	7.5	10	20	15	20	26	55	75
26	15	20	26	30	40	100/20	55	75
40/13	4	5.5	65/13	11	15	26	110	150
16	5.5	7.5	16	15	20			
20	11	15	20	30	40			
26	18.5	25	26	55	75			

BS SINGLE STAGE PUMP TO DIN 24255



Specification

Maximum Capacity	150 l/s
Maximum Head	150 m
Maximum Working Pressure	1600 kPa on most models
Temperature Range	-10°C to 105°C
Direction of Rotation	Clockwise viewed from drive end

Materials of Construction

Casing	Cast Iron
Impeller	Bronze
Wear Ring	Cast Iron
Shaft	Stainless Steel
Shaft Sleeve	Stainless Steel
Lantern Ring	Cast Iron
Gland	Cast Iron

Other materials of construction are available

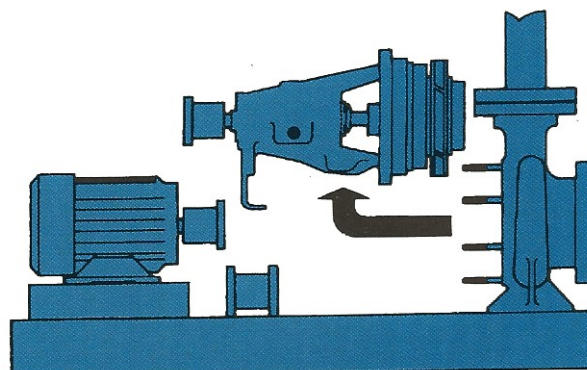
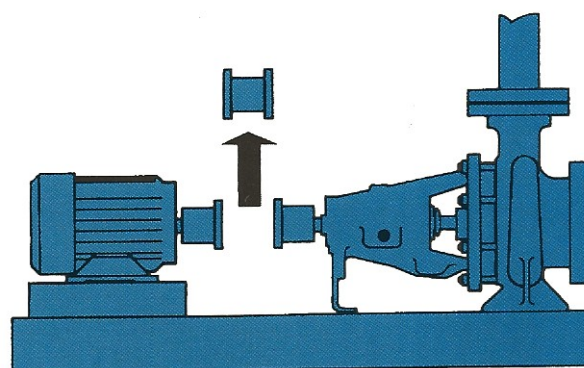
Back pull-out feature

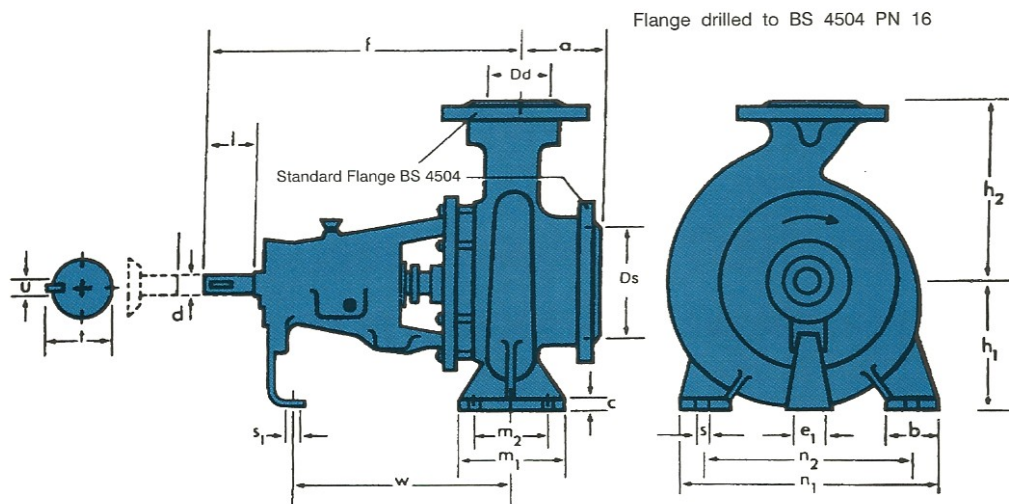
With the JXS back pull-out feature, the complete rotating element bearing housing assembly can be removed without disturbing the suction and discharge pipework connections. If a spacer coupling with adequate spacer length is fitted, the motor can also remain in position. Maintenance is made simpler and the pump downtime is drastically reduced if a spare rotating element is available.

To remove the rotating assembly the coupling spacer is withdrawn and the nuts holding the bearing frame to the casing removed. Any auxiliary pipework and the support foot are then disconnected and the rotating assembly removed. If a spare rotating assembly is available this can immediately be fitted and the pump can be back in service while maintenance is carried out on the original unit. There is no need to realign the coupling when a rotating element is replaced.

SPECIAL PACKAGE UNITS

Pumps can be supplied as bare shaft units or as complete package units incorporating baseplate, coupling, coupling guard and driven by electric motor, diesel or petrol engine.





Back pull-out distance required between Motor shaft and Pump shaft 140mm.

Due to the policy of continual development, the company reserves the right to change any details given without notice.

Swift BS Dimensions

Dimensions in Millimeters

Type	Shaft Assembly Size	Pump Dimensions							Foot Dimensions										Shaft end Dimensions			
		Dd	Ds	a	f	h ₁	h ₂		b	c	m ₁	m ₂	n ₁	n ₂	s	e ₁	s ₁	w	d	l	t	u
32/13	25	32	50	80	360	112	140		50	14	100	70	190	140	14	100	14	267	24	50	27	8
32/16	25	32	50	80	360	132	160		50	14	100	70	240	190	14	100	14	267	24	50	27	8
32/20	25	32	50	80	360	160	180		50	14	100	70	240	190	14	110	14	267	24	50	27	8
32/26	25	32	50	100	360	180	225		65	14	125	95	320	250	14	110	14	267	24	50	27	8
40/13	25	40	65	80	360	112	140		50	14	100	70	210	160	14	100	14	267	24	50	27	8
40/16	25	40	65	80	360	132	160		50	14	100	70	240	190	14	100	14	267	24	50	27	8
40/20	25	40	65	100	360	160	180		50	14	100	70	265	212	14	110	14	267	24	50	27	8
40/26	25	40	65	100	360	180	225		65	14	125	95	320	250	14	110	14	267	24	50	27	8
50/13	25	50	65	100	360	132	160		50	14	100	70	240	190	14	100	14	267	24	50	27	8
50/16	25	50	65	100	360	160	180		50	14	100	70	265	212	14	110	14	267	24	50	27	8
50/20	25	50	65	100	360	160	200		50	14	100	70	265	212	14	110	14	267	24	50	27	8
50/26	25	50	65	100	360	180	225		65	14	125	95	320	250	14	110	14	267	24	50	27	8
65/13	25	65	80	100	360	160	180		65	14	125	95	280	212	14	110	14	267	24	50	27	8
65/16	25	65	80	100	360	160	200		65	14	125	95	280	212	14	110	14	267	24	50	27	8
65/20	25	65	80	100	360	180	225		65	14	125	95	320	250	14	110	14	267	24	50	27	8
65/26	35	65	80	100	470	200	250		80	16	160	120	360	280	18	110	14	342	32	80	35	10
65/32	35	65	80	125	470	225	280		80	16	160	120	400	315	18	110	14	342	32	80	35	10
80/16	25	80	100	125	360	180	225		65	14	125	95	320	250	14	110	14	267	24	50	27	8
80/20	35	80	100	125	470	180	250		65	14	125	95	345	280	14	110	14	342	32	80	35	10
80/26	35	80	100	125	470	200	280		80	16	160	120	400	315	18	110	14	342	32	80	35	10
80/32	35	80	100	125	470	250	315		80	16	160	120	400	315	18	110	14	342	32	80	35	10
100/20	35	100	125	125	470	200	280		80	16	160	120	360	280	18	110	14	342	32	80	35	10
100/26	35	100	125	140	470	225	280		80	16	160	120	400	315	18	110	14	342	32	80	35	10
100/32	35	100	125	140	470	250	315		80	16	160	120	400	315	18	110	14	342	32	80	35	10
100/40	45	100	125	140	530	280	355		100	18	200	150	500	400	23	110	14	370	42	110	45	12
125/26	35	125	150	140	470	250	355		80	16	160	120	400	315	18	110	14	342	32	80	35	10
125/32	45	125	150	140	530	280	355		100	18	200	150	500	400	23	110	14	370	42	110	45	12
125/40	45	125	150	140	530	315	400		100	18	200	150	500	400	23	110	14	370	42	110	45	12
150/32	45	150	200	160	530	280	400		100	18	200	150	550	450	23	110	14	370	42	110	45	12
150/40	45	150	200	160	530	315	450		100	18	200	150	550	450	23	110	14	370	42	110	45	12

Distributor:



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