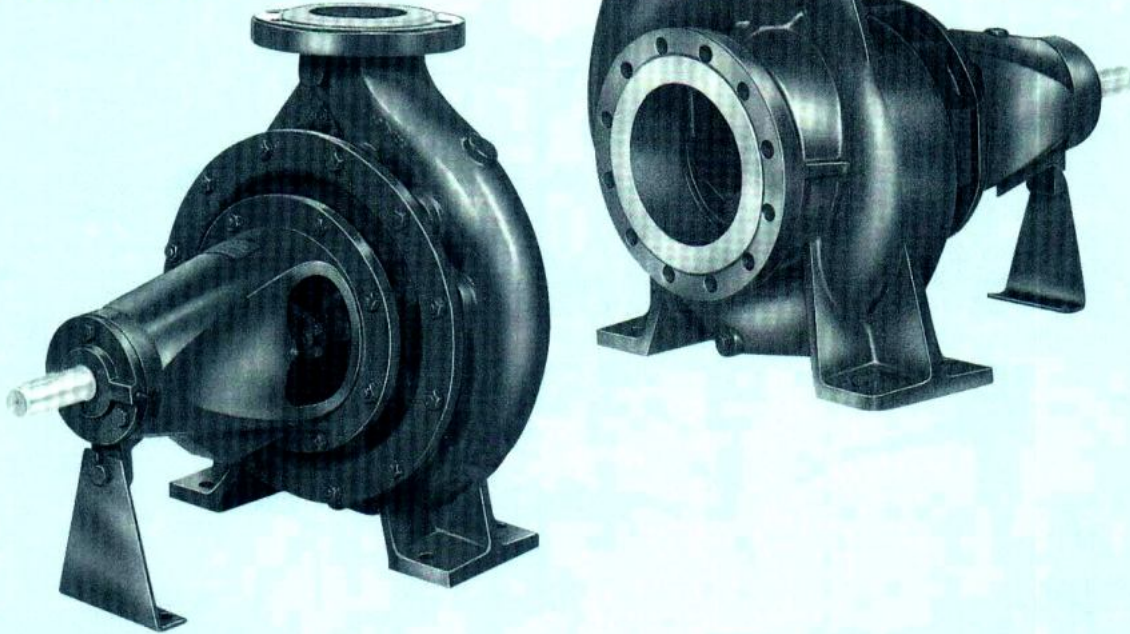


TYPE LDP 3

Back pull-out Centrifugal Pump DIN 24255



Applications

- For clean or turbid liquids, free from large solids.
- For pumping water, petrol, benzene, oil, brine, alkaline solutions and mild acids.
- For circulation, irrigation and drainage purposes.
- For water supply and booster stations.
- For industrial and agricultural applications and in public services.

Hydraulic Data

- Capacity up to 150 L/s
- Head up to 150m
- Temperature up to 100°C
- Working pressure 10 bar (H: 16 bar)

Design

Single-stage, end suction volute design with vertically arranged radial discharge branch. Single entry, closed impeller. Heavy duty ball bearings with two "grease lubricated-for-life" seals in sturdily constructed housing flanged to pump casing.

Maintenance is very much easier, the impeller shaft and other rotating parts being removeable with no need to disconnect the suction or delivery pipes.

In fact the use of one extension coupling enables a pump to be dismantled without moving either the driver or the pump casing.

Maximum interchangeability of components. Identical parts can be used with various sizes of pumps, which greatly simplifies and reduces stock of spare parts.



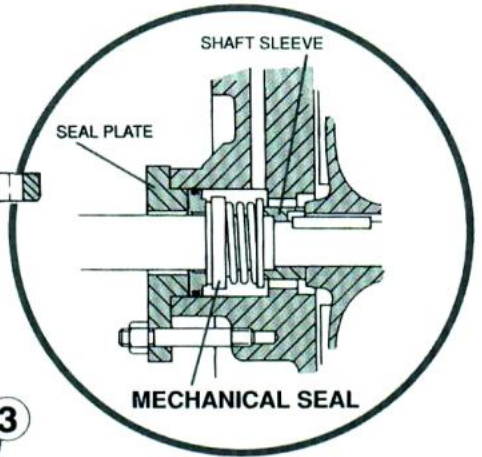
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1. Bearing Housing

Rugged cast iron construction with only three bearing housings covering complete range of pumps which gives many common interchangeable parts

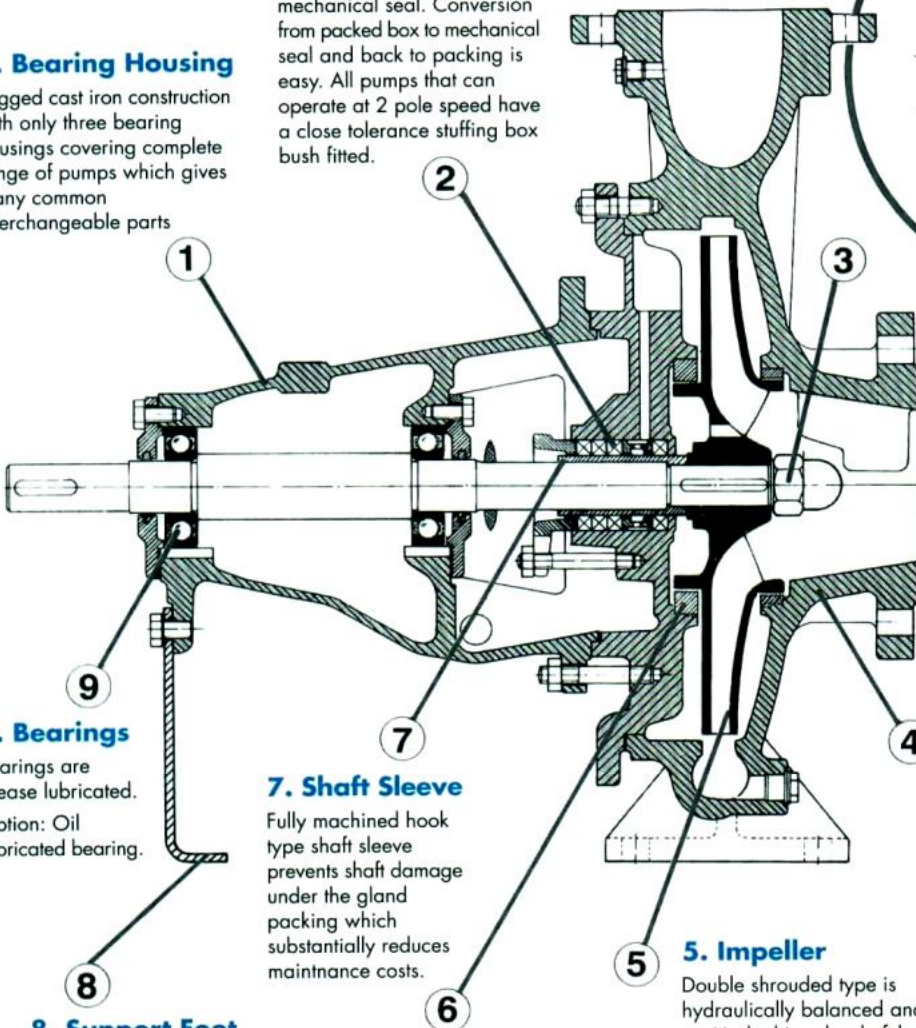
2. Stuffing Box

Standard stuffing box includes gland packing with a lantern ring incorporating high pressure internal flushing. External flush can be fitted and pump can be supplied with a mechanical seal. Conversion from packed box to mechanical seal and back to packing is easy. All pumps that can operate at 2 pole speed have a close tolerance stuffing box bush fitted.



3. Shaft

A domed type locking nut seals the stainless steel shaft at the impeller. Only 4 shafts are required to cover whole 37 sizes and reduces inventory to a minimum.



9. Bearings

Bearings are grease lubricated. Option: Oil Lubricated bearing.

7. Shaft Sleeve

Fully machined hook type shaft sleeve prevents shaft damage under the gland packing which substantially reduces maintenance costs.

5. Impeller

Double shrouded type is hydraulically balanced and positively driven by shaft key and axially locked between sleeve and impeller nut.

4. Casing

The cast iron volute casing is of robust design with integrally cast feet, vertical top centreline discharge with axial suction incorporating cast inlet vane to give best flow to impeller eye.

8. Support Foot

Each pump has a removable support foot fitted at the drive end for greater rigidity.

6. wear Rings

Replaceable wear rings are fitted as standard to all casings and also to back covers on larger pumps which reduces maintenance time and cost.

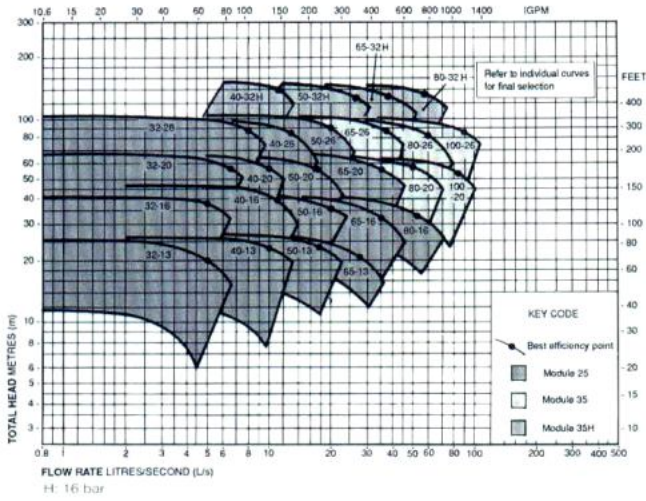
Materials of construction

Code	1	2	3	4
Casing	Cast Iron	Bronze	Cast Iron	Stainless Steel
Impeller	Bronze	Bronze	Cast Iron	Stainless Steel
Shaft	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Shaft Sleeve	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
wear Ring	Cast Iron	Bronze	Cast Iron	Stainless Steel

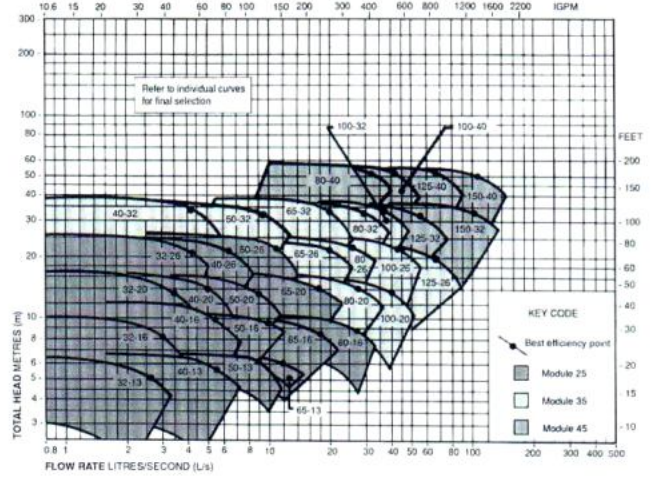


SELECTION RANGE CHART

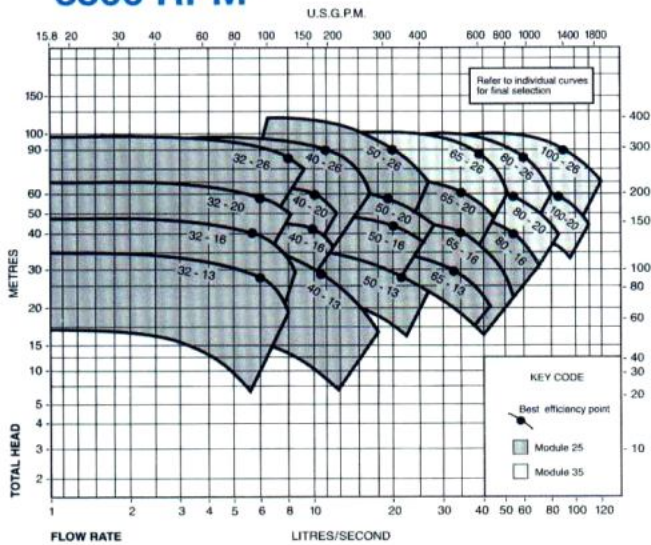
2900 RPM



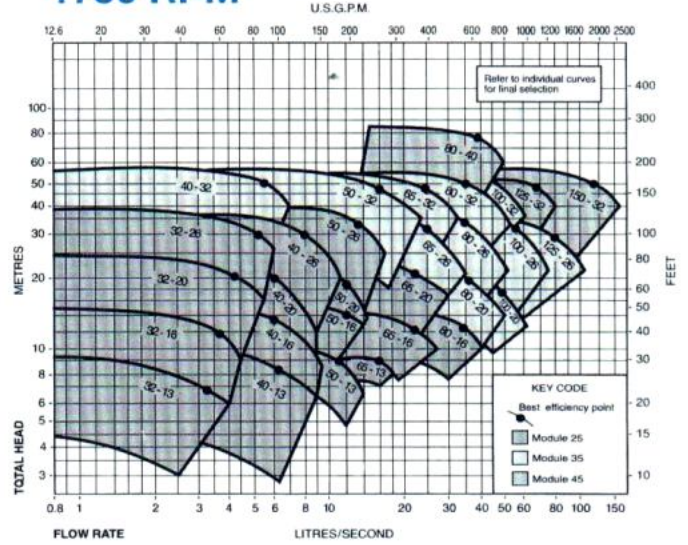
1450 RPM



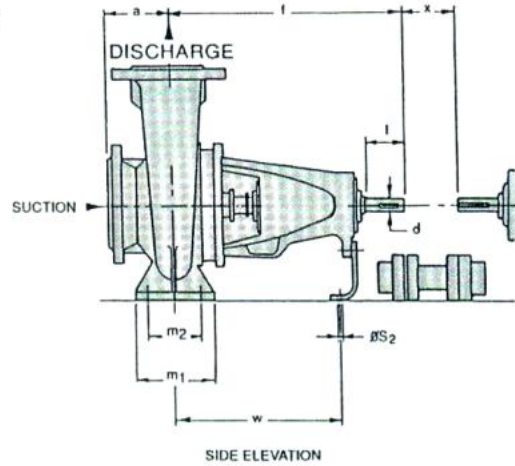
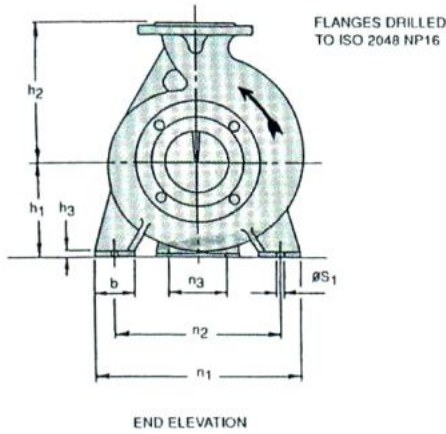
3500 RPM



1750 RPM

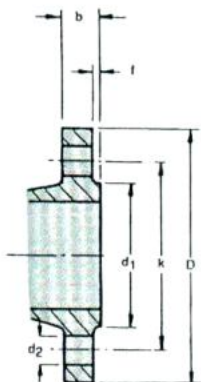


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DIMENSIONS

PUMP SIZE	BEARING HOUSING	SUCTION	DISCHARGE	PUMP DIMENSIONS				FOOT DIMENSIONS											SHAFT END		COUPLING KEY	NET WEIGHT kg
				a	f	h1	h2	b	m1	m2	n1	n2	n3	h3	Os1	Os2	w	x	d	i		
32-13	25	50	32	80	360	112	140	50	100	70	190	140	100	14	14	14	267	140	24	50	8x7	28
32-16	25	50	32	80	360	132	160	50	100	70	240	190	100	14	14	14	267	140	24	50	8x7	36
32-20	25	50	32	80	360	160	180	50	100	70	240	190	110	14	14	14	267	140	24	50	8x7	43
32-26	25	50	32	100	360	180	225	65	125	95	320	250	110	14	14	14	267	140	24	50	8x7	63
40-13	25	65	40	80	360	112	140	50	100	70	210	160	100	14	14	14	267	140	24	50	8x7	31
40-16	25	65	40	80	360	132	160	50	100	70	240	190	100	14	14	14	267	140	24	50	8x7	37
40-20	25	65	40	100	360	160	180	50	100	70	265	212	110	14	14	14	267	140	24	50	8x7	46
40-26	25	65	40	100	360	180	225	65	125	95	320	250	110	14	14	14	267	140	24	50	8x7	63
40-32	35	65	40	125	470	200	250	67	125	95	350	280	110	14	14	14	342	140	32	80	10x8	96
40-32H	35H	65	40	125	470	200	250	67	125	95	350	280	110	14	14	14	342	140	32	80	10x8	96
50-13	25	65	50	100	360	132	160	50	100	70	240	160	100	14	14	14	267	140	24	50	8x7	34
50-16	25	65	50	100	360	160	180	50	100	70	265	212	110	14	14	14	267	140	24	50	8x7	38
50-20	25	65	50	100	360	160	200	50	100	70	265	212	110	14	14	14	267	140	24	50	8x7	48
50-26	25	65	50	100	360	180	225	65	125	95	320	250	110	14	14	14	267	140	24	50	8x7	65
50-32	35	65	50	128	470	225	280	65	125	95	350	280	110	16	14	14	342	140	32	80	10x8	101
50-32H	35H	65	50	128	470	225	280	65	125	95	350	280	110	16	14	14	342	140	32	80	10x8	101
65-13	25	80	65	100	360	160	180	65	125	95	280	212	100	14	14	14	267	140	24	50	8x7	40
65-16	25	80	65	100	360	160	200	65	125	95	280	212	110	14	14	14	267	140	24	50	8x7	44
65-20	25	80	65	100	360	180	225	65	125	95	320	250	110	14	14	14	267	140	24	50	8x7	54
65-26	25	80	65	100	470	200	250	80	160	120	360	280	110	16	18	14	342	140	32	80	10x8	83
65-32	35	80	65	125	470	225	280	80	160	120	400	315	110	16	18	14	342	140	32	80	10x8	110
65-32H	35H	80	65	125	470	225	280	80	160	120	400	315	110	16	18	14	342	140	32	80	10x8	110
80-16	25	100	80	125	360	180	225	65	125	95	320	250	100	14	14	14	267	140	24	50	8x7	55
80-20	35	100	80	125	470	180	250	65	125	95	345	280	110	14	14	14	342	140	32	80	10x8	72
80-26	35	100	80	125	470	200	280	80	160	120	400	315	110	16	18	14	342	140	32	80	10x8	92
80-32	35	100	80	125	470	250	315	80	160	120	400	315	110	16	18	14	342	140	32	80	10x8	120
80-32H	35H	100	80	125	470	250	315	80	160	120	400	315	110	16	18	14	342	140	32	80	10x8	120
80-40	45	100	80	125	530	280	355	80	160	120	440	355	110	18	18	14	370	140	42	110	12x8	162
100-20	35	125	100	125	470	200	280	80	160	120	360	280	110	16	18	14	342	140	32	80	10x8	87
100-26	35	125	100	140	470	225	280	80	160	120	400	315	110	16	18	14	342	140	32	80	10x8	110
100-32	35	125	100	140	470	250	315	80	160	120	400	315	110	16	18	14	342	140	32	80	10x8	134
100-40	45	125	100	140	530	280	355	100	200	150	500	400	110	16	23	14	370	140	42	110	12x8	177
125-26	35	150	125	140	470	250	355	80	130	120	400	315	110	16	18	14	342	140	32	80	10x8	115
125-32	45	150	125	140	530	280	355	100	200	150	500	400	110	18	23	14	370	140	42	110	12x8	163
125-40	45	150	125	140	530	315	400	100	200	150	500	400	110	18	23	14	370	140	42	110	12x8	190
150-32	45	200	150	160	530	280	400	100	200	150	550	450	110	18	23	14	370	140	42	110	12x8	175
150-40	45	200	150	160	530	315	450	100	200	150	550	450	110	18	23	14	370	140	42	110	12x8	210



Flange Date

Dimensions in mm

BRANCH SIZE	FLANGE		RAISED FACE		DRILLING*			BOLTING
	D	b	d1	f	NO.	d2	k	
32	140	18	78	2	4	18	100	M16
40	150	18	88	3	4	18	110	M16
50	165	20	102	3	4	18	125	M16
65	185	20	122	3	4	18	145	M16
80	200	22	138	3	8	18	160	M16
100	220	24	158	3	8	18	180	M16
125	250	26	188	3	8	22	210	M16
150	285	26	212	3	8	22	240	M20
200	340	30	268	3	12	22	295	M20

Flange Dimensions and drilling according to ISO 2084 - 16BAR

(BS4504 - 1969 TABLE 16/11.

*Holes - Equally spaced straddling pump centreline.



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PUMP MANUFACTURERS

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