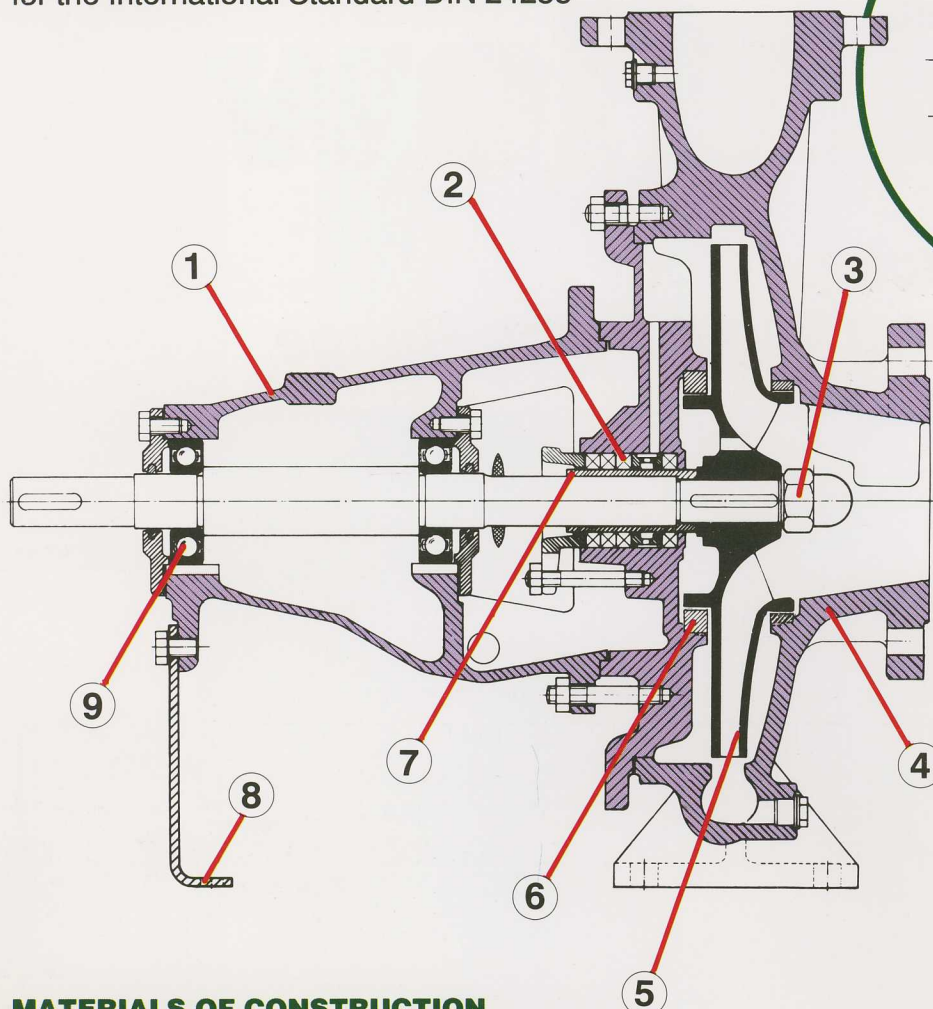


Dinflow

***Back pull-out
Centrifugal Pump Range***



Dinflow range fully complies to both performance and dimensional standards for the International Standard DIN 24255



MATERIALS OF CONSTRUCTION

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

MATERIAL SPECIFICATION

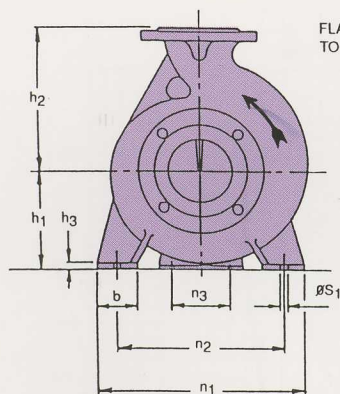
Material	Nearest Equivalent Standard			
	Australian	British	American	DIN
Cast Iron	AS 1830/T200	BS1452: GR 220	ASTM A48 CLASS 30	DIN 1691 GG 20
Bronze	AS 1565/836B	BSG1400: LG2	ATSM B584 NO. 836	2.1096.03
Stainless Steel	AS 1444 GR 420	BS 970: 420/537	AIS1420	X20CR13

Dinflow BACK PULL-OUT FEATURE

This design feature allows the complete rotating element to be removed for servicing without disconnecting pipework. If a spacer coupling is fitted then motor does not have to be moved. On re-assembly of pump coupling re-alignment problems are completely eliminated.

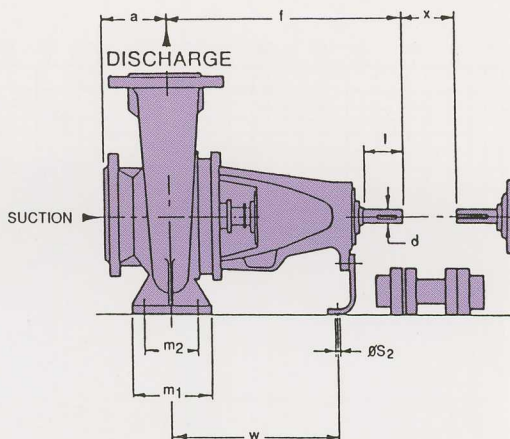
- 1. Bearing Housing**
Rugged cast iron construction with only three bearing housings covering complete range of pumps which gives many common interchangeable parts
- 2. Stuffing Box**
Standard stuffing box includes gland packing with a lantern ring incorporating high pressure internal flushing. External 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.
- 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.
- 5. Impeller**
Double shrouded type is hydraulically balanced and positively driven by shaft key and axially locked between sleeve and impeller nut.
- 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.
- 7. Shaft Sleeve**
Fully machined hook type shaft sleeve prevents shaft damage under the gland packing which substantially reduces maintenance costs.
- 8. Support Foot**
Each pump has a removable support foot fitted at the drive end for greater rigidity.
- 9. Bearings**
Bearings on 33 sizes are grease lubricated and fitted with grease nipples which allow periodic regreasing. 4 sizes have oil lubricated bearings and for this arrangement the housing includes an oil level sight glass and vent.

DIMENSIONS



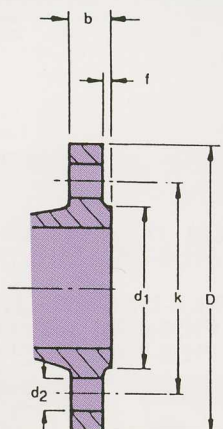
END ELEVATION

FLANGES DRILLED TO ISO 2048 NP16



SIDE ELEVATION

PUMP SIZE	BEARING HOUSING	SUCTION	DISCHARGE	PUMP DIMENSIONS				FOOT DIMENSIONS											SHAFT END	COUPLING KEY	NET WEIGHT
				a	f	h1	h2	b	m1	m2	n1	n2	n3	h3	$\varnothing S_1$	$\varnothing S_2$	w	x	d	i	kg
32-13	25	50	32	80	360	112	140	50	100	70	190	140	100	14	14	14	267	140	24	50	28
32-16	25	50	32	80	360	132	160	50	100	70	240	190	100	14	14	14	267	140	24	50	36
32-20	25	50	32	80	360	160	180	50	100	70	240	190	110	14	14	14	267	140	24	50	43
32-26	25	50	32	100	360	180	225	65	125	95	320	250	110	14	14	14	267	140	24	50	63
40-13	25	65	40	80	360	112	140	50	100	70	210	160	100	14	14	14	267	140	24	50	31
40-16	25	65	40	80	360	132	160	50	100	70	240	190	100	14	14	14	267	140	24	50	37
40-20	25	65	40	100	360	160	180	50	100	70	265	212	110	14	14	14	267	140	24	50	46
40-26	25	65	40	100	360	180	225	65	125	95	320	250	110	14	14	14	267	140	24	50	63
40-32	35	65	40	125	470	200	250	67	125	95	350	280	110	14	14	14	342	140	32	80	96
40-32H	35H	65	40	125	470	200	250	67	125	95	350	280	110	14	14	14	342	140	32	80	96
50-13	25	65	50	100	360	132	160	50	100	70	240	190	100	14	14	14	267	140	24	50	34
50-16	25	65	50	100	360	160	180	50	100	70	265	212	110	14	14	14	267	140	24	50	38
50-20	25	65	50	100	360	160	200	50	100	70	265	212	110	14	14	14	267	140	24	50	48
50-26	25	65	50	100	360	180	225	65	125	95	320	250	110	14	14	14	267	140	24	50	65
50-32	35	65	50	128	470	225	280	65	125	95	350	280	110	16	14	14	342	140	32	80	101
50-32H	35H	65	50	128	470	225	280	65	125	95	350	280	110	16	14	14	342	140	32	80	101
65-13	25	80	65	100	360	160	180	65	125	95	280	212	110	14	14	14	267	140	24	50	40
65-16	25	80	65	100	360	160	200	65	125	95	280	212	110	14	14	14	267	140	24	50	44
65-20	25	80	65	100	360	180	225	65	125	95	320	250	110	14	14	14	267	140	24	50	54
65-26	35	80	65	100	470	200	250	80	160	120	360	280	110	16	18	14	342	140	32	80	83
65-32	35	80	65	125	470	225	280	80	160	120	400	315	110	16	18	14	342	140	32	80	110
65-32H	35H	80	65	125	470	225	280	80	160	120	400	315	110	16	18	14	342	140	32	80	110
80-16	25	100	80	125	360	180	225	65	125	95	320	250	110	14	14	14	267	140	24	50	55
80-20	35	100	80	125	470	180	250	65	125	95	345	280	110	14	14	14	342	140	32	80	72
80-26	35	100	80	125	470	200	280	80	160	120	400	315	110	16	18	14	342	140	32	80	92
80-32	35	100	80	125	470	250	315	80	160	120	400	315	110	16	18	14	342	140	32	80	120
80-32H	35H	100	80	125	470	250	315	80	160	120	400	315	110	16	18	14	342	140	32	80	120
80-40	45	100	80	125	530	280	355	80	160	120	440	355	110	18	18	14	370	140	42	110	162
100-20	35	125	100	125	470	200	280	80	160	120	360	280	110	16	18	14	342	140	32	80	87
100-26	35	125	100	140	470	225	280	80	160	120	400	315	110	16	18	14	342	140	32	80	110
100-32	35	125	100	140	470	250	315	80	160	120	400	315	110	16	18	14	342	140	32	80	134
100-40	45	125	100	140	530	280	355	100	200	150	500	400	110	18	23	14	370	140	42	110	177
125-26	35	150	125	140	470	250	355	80	130	120	400	315	110	16	18	14	342	140	32	80	115
125-32	45	150	125	140	530	280	355	100	200	150	500	400	110	18	23	14	370	140	42	110	163
125-40	45	150	125	140	530	315	400	100	200	150	500	400	110	18	23	14	370	140	42	110	190
150-32	45	200	150	160	530	280	400	100	200	150	550	450	110	18	23	14	370	140	42	110	175
150-40	45	200	150	160	530	315	450	100	200	150	550	450	110	18	23	14	370	140	42	110	210



Flange Data

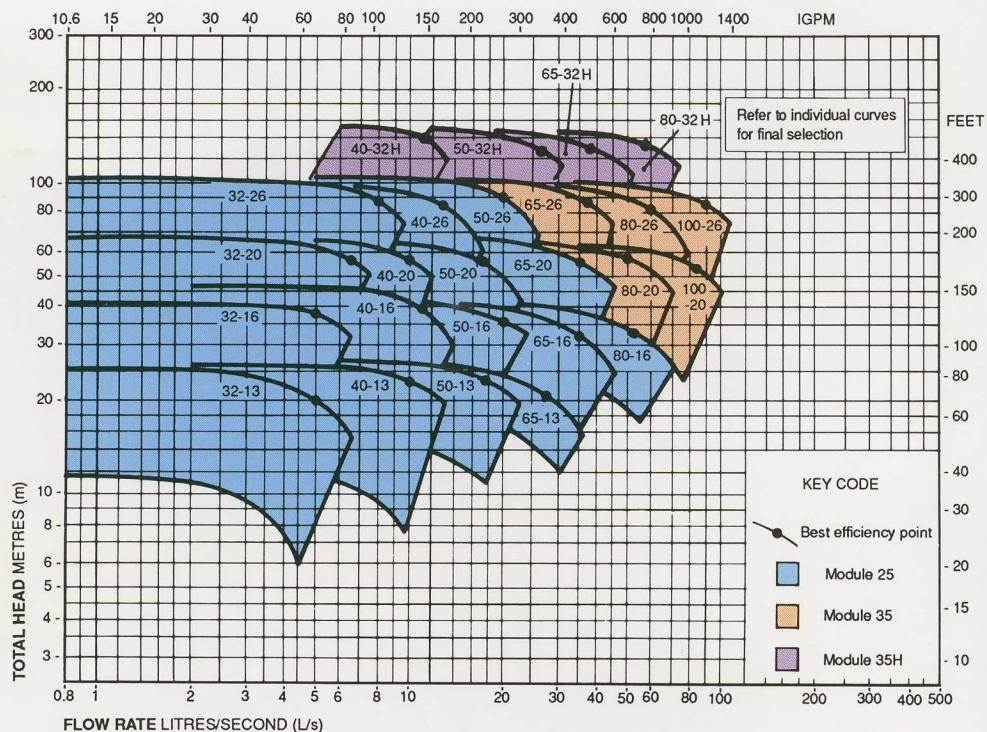
Dimensions in mm

BRANCH SIZE	FLANGE		RAISED FACE		DRILLING*			BOLTING
	D	b	d_1	f	NO.	d_2	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	18	210	M16
150	285	26	212	3	8	22	240	M20
200	340	30	268	3	12	22	295	M20

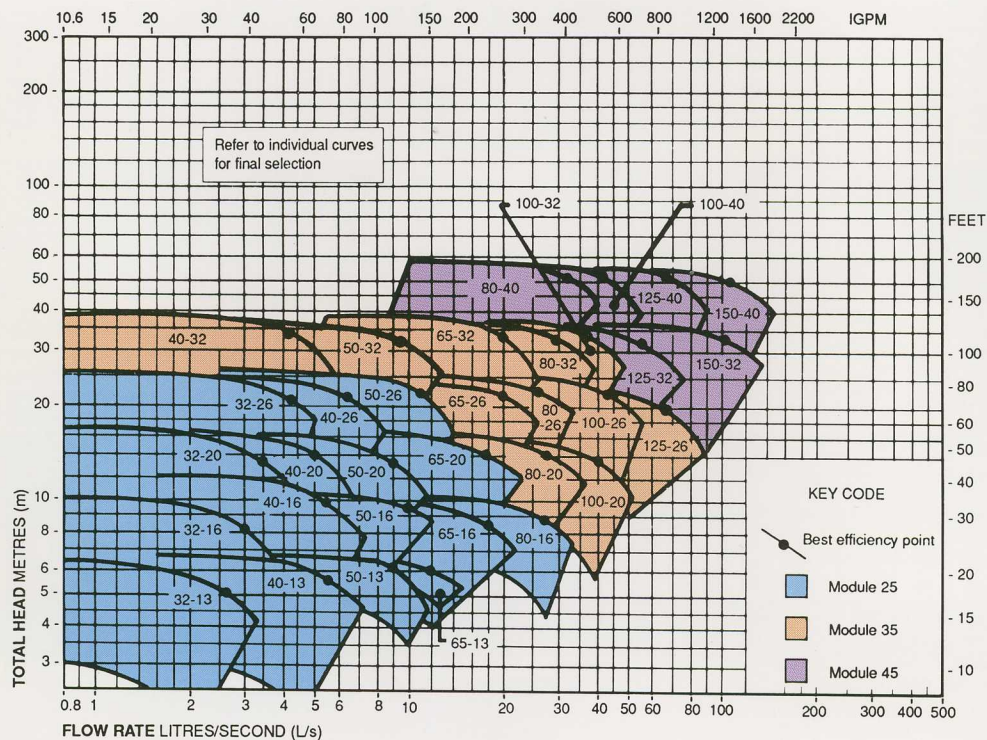
Flange Dimensions and drilling according to ISO 2084 - 16BAR (BS4504 - 1969 TABLE 16/11)

*Holes - Equally spaced straddling pump centreline.

SELECTION CHART
2900 RPM



SELECTION CHART
1450 RPM



Specifications may change without notice.

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