

CHEMFLOW

PUMPS

D196

■ FEATURES & BENEFITS

* The pumps are designed and manufactured to DIN-EN 733 (formerly 24255) and performance is in compliance to Grade 3 (Mass Produce Pumps of ISO 9906-1999 Edition).

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.

Bearing Housing

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

Bearings

Bearings on 41 sizes are grease lubricated - sealed for life or open type. 5 sizes have oil lubricated bearings and for this arrangement the housing includes an oil level sight glass and vent.

Support Foot

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

Shaft Sleeve

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

Impeller

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

Shaft

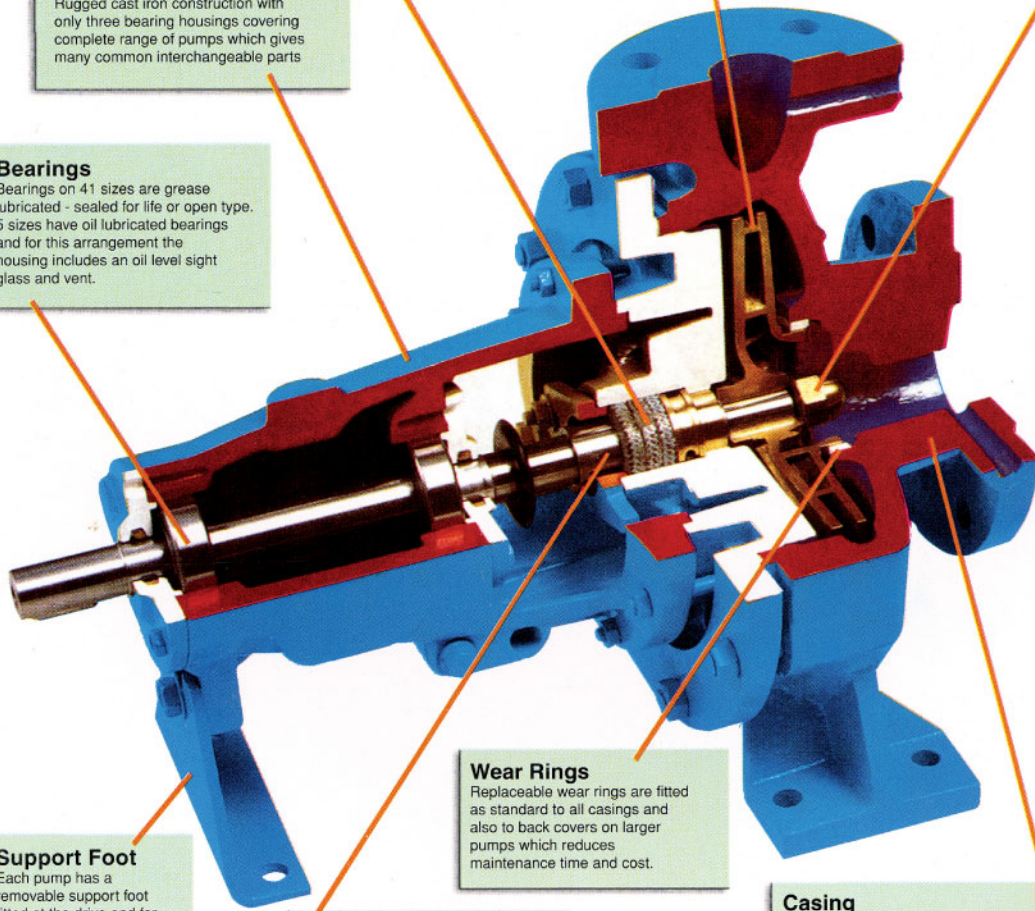
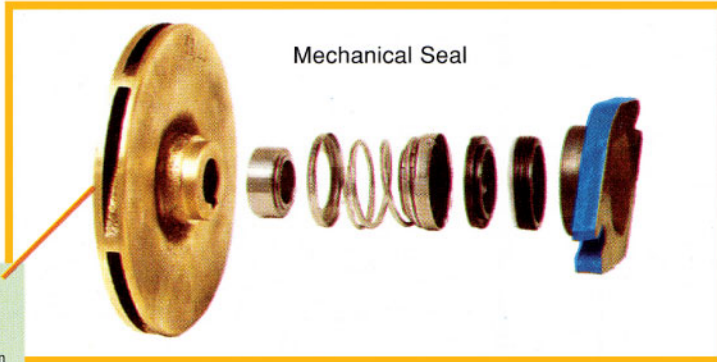
A domed type locking nut seals the stainless steel shaft at the impeller. Only 5 shafts are required to cover whole 46 sizes and reduces inventory to a minimum.

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.

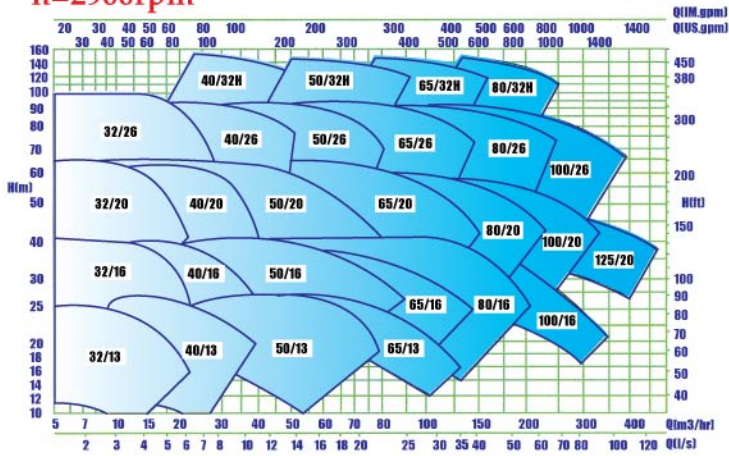
Casing

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.

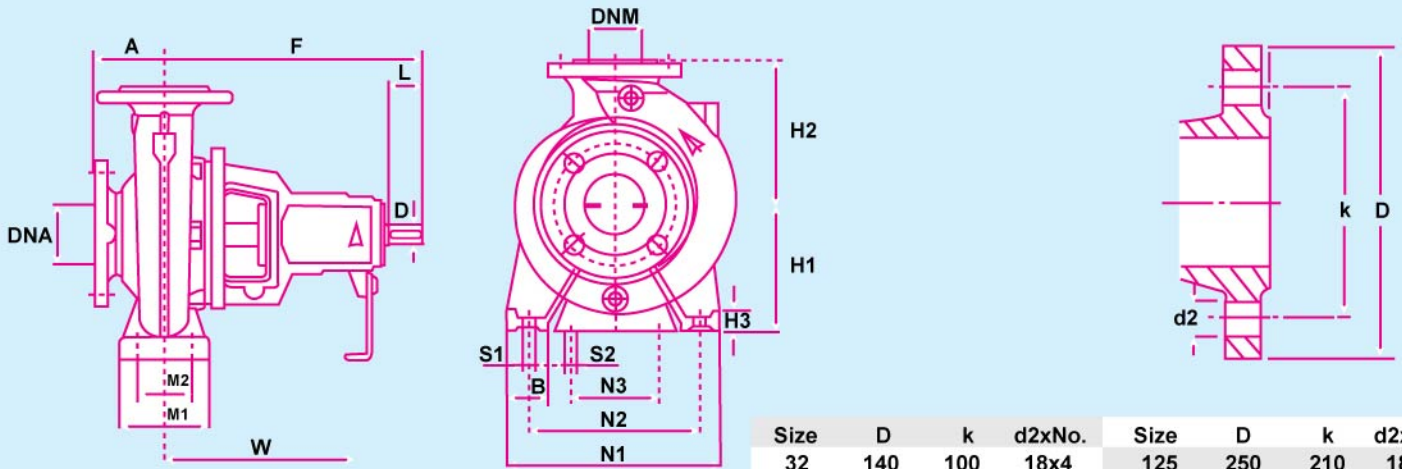
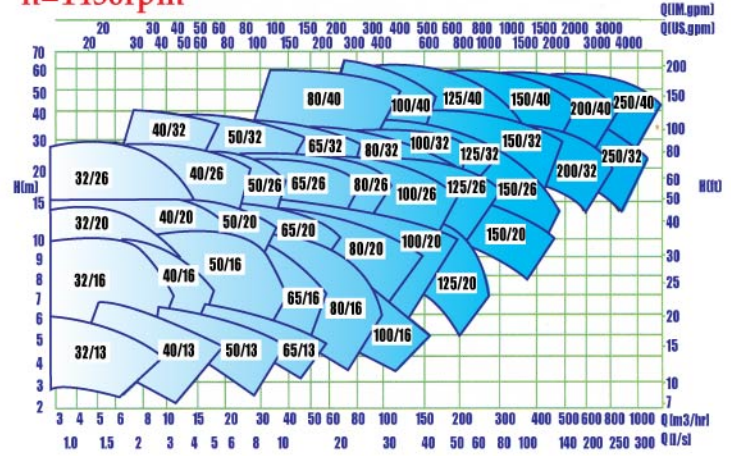


SELECTION CHARTS 50Hz

n=2900rpm



n=1450rpm



Flange Dimensions and drilling according to ISO2084 - 16 BAR (BS4504 - 1969 TABLE 16/11).

*Holes - Equally spaced area

Size	D	k	d2xNo.	Size	D	k	d2xNo.
32	140	100	18x4	125	250	210	18x8
40	150	110	18x4	150	285	240	22x8
50	165	125	18x4	200	340	295	22x12
65	185	145	18x4	250	405	355	26x12
80	200	160	18x8	300	460	410	26x12
100	220	180	18x8	350	520	470	26x16

DIMENSION

Model	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				D	I
32-13	25	50	32	80	360	112	140	50	100	70	190	140	100	14	14	14	267	24	50	8x7	28	
32-16				80		132	160	50	100	70	240	190	110								35	
32-20				80		160	180	50	100	70	240	190	110								41	
32-26	100	225	225	65	125	95	320	250	110	59												
40-13	25	66	40	80	360	112	140	50	100	70	210	160	100	14	14	14	267	24	50	8x7	30	
40-16				80		132	160	50	100	70	240	190	100								36	
40-20				80		160	180	50	100	70	240	212	110								44	
40-26	100	225	225	65	125	95	320	250	110	61												
40-32	125	280	225	65	125	95	345	280	110	96												
40-32H	45H	45H	45H	125	470	200	225	65	125	95	345	280	110	10x8	96							
50-13	25	66	50	100	360	132	160	50	100	70	240	190	100	14	14	14	267	24	50	8x7	34	
50-16				100		160	180	50	100	70	265	212	110								38	
50-20				100		180	200	50	100	70	265	212	110								46	
50-26	100	225	225	65	125	95	320	250	110	63												
50-32	125	280	225	65	125	95	345	280	110	101												
50-32H	45H	45H	45H	125	470	200	225	65	125	95	345	280	110	10x8	101							
65-13	25	80	65	100	360	160	180	65	125	95	280	212	110	14	14	14	267	24	50	8x7	39	
65-16				100		160	200	65	125	95	280	212	110								43	
65-20				100		180	225	65	125	95	320	250	110								70	
65-26	100	225	225	65	125	95	320	250	110	81												
65-32	125	280	225	65	125	95	345	280	110	110												
65-32H	45H	45H	45H	125	470	200	225	65	125	95	345	280	110	10x8	110							
80-16	25	100	80	360	470	180	225	65	125	95	320	250	110	14	14	14	267	24	50	8x7	54	
80-20				360		180	250	65	125	95	345	280	110								70	
80-26				360		180	280	65	125	95	345	280	110								91	
80-32	470	200	315	80	160	120	400	315	110	120												
80-32H	45H	45H	45H	470	250	315	400	315	110	128												
80-40	530	280	355	80	160	120	440	400	110	161												
100-16	35	125	100	125	470	200	250	80	160	120	360	280	110	16	18	14	342	32	80	10x8	71	
100-20				125		200	280	80	160	120	360	280	110								85	
100-26				140		225	280	80	160	120	400	315	110								106	
100-26H	45H	45H	45H	140	500	225	280	80	160	120	400	315	110	16	18	14	363	40	90	10x8	114	
100-32	140	250	315	80	160	120	400	315	110	134												
100-40	140	280	355	80	160	120	400	315	110	174												
125-20	35	150	125	140	470	250	315	80	160	120	400	315	110	16	18	14	342	32	80	10x8	106	
125-26				140		250	355	80	160	120	400	315	110								115	
125-32				140		280	355	100	200	150	500	400	110								163	
125-40	140	315	400	100	200	150	500	400	110	181												
150-20	35	200	150	160	490	280	355	100	200	150	550	450	110	20	23	14	367	32	80	10x8	148	
150-26				160		280	355	100	200	150	550	450	110								156	
150-32				160		280	400	100	200	150	550	450	110								170	
150-40	160	315	450	100	200	150	550	450	110	209												
200-32	55	250	200	180	670	315	335	120	230	170	600	480	110	22	25	28	14	504	48	110	14x10	251
200-40				180		335	480	120	230	170	600	480	110									295
250-32	55	300	250	220	690	355	400	150	260	200	660	510	110	25	28	14	525	48	110	14x10	311	
250-40				220		400	560	150	260	200	660	510	110								390	