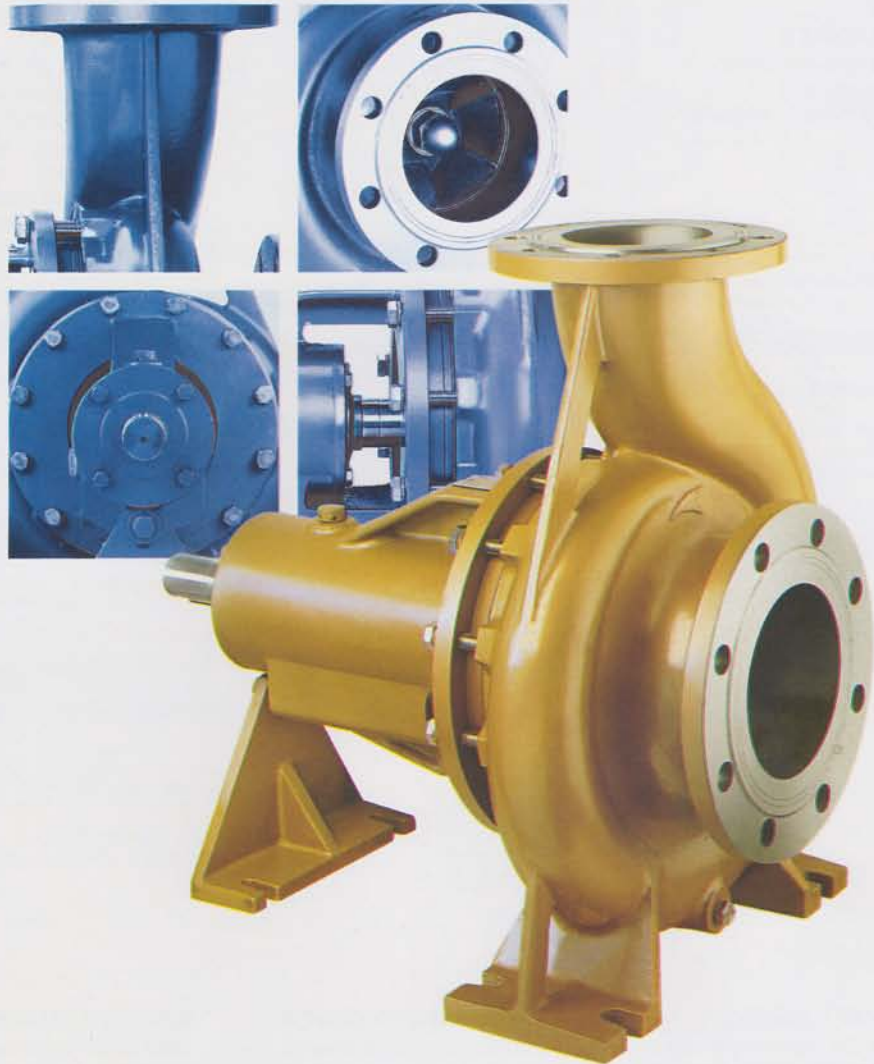


KEWPUMP®

Keeps Pumping



KS-SR

GENERAL APPLICATION PUMP

COMPLIES WITH ISO 2858

STANDARD



"thebrandlaureate"
The Grammy Awards for Branding



Design

The KS-SR range of pumps is manufactured for a wide range of flow and head requirements and fully complies with ISO 2858:1975 standard. Back pull-out design to give instant access to most parts for simple and quick maintenance.

Materials of Construction

All standard pump components in contact with the fluid are made of Stainless Steel 304 (CF-8). Stainless Steel 316 (CF-8M) and Cast Iron are also available upon request.

FLANGES

Flanges are drilled according to ISO 7005-1:1992 - PN16.

CASING

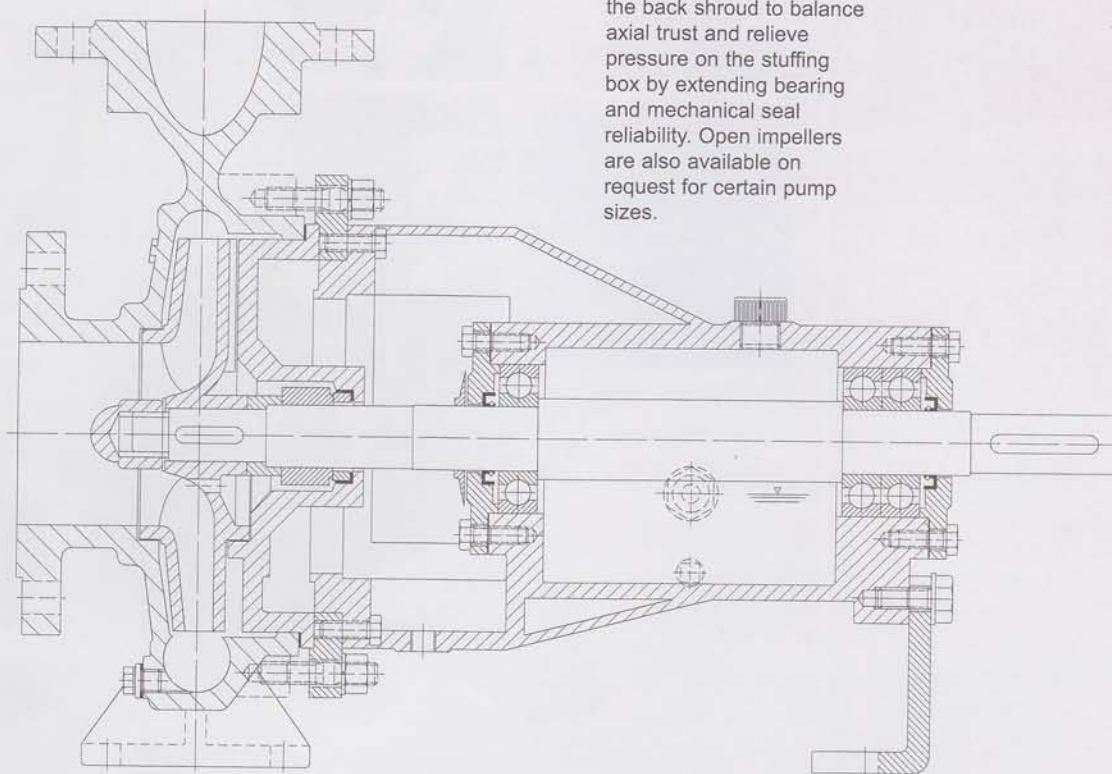
Highly efficient one-piece volute type with integrally cast feet. End suction with vertical centreline discharge nozzle.

IMPELLER

Enclosed type with twisted vane design for maximum performance. Swept back clearing vanes or impeller running rings are cast onto the back shroud to balance axial thrust and relieve pressure on the stuffing box by extending bearing and mechanical seal reliability. Open impellers are also available on request for certain pump sizes.

SHAFT

Robust and stiff solid shaft ensures less deflection at the seal face to extend the mechanical seal life.



SHAFT SLEEVE

For gland packing sealing, renewable hook type shaft sleeve is fitted to prevent shaft damage under the gland packing.

STUFFING BOX COVER

Cast in one-piece with large bore seal chamber available on all pumps furnished with mechanical seal. Standard bore stuffing box cover can be fitted with a packed gland as an alternative.

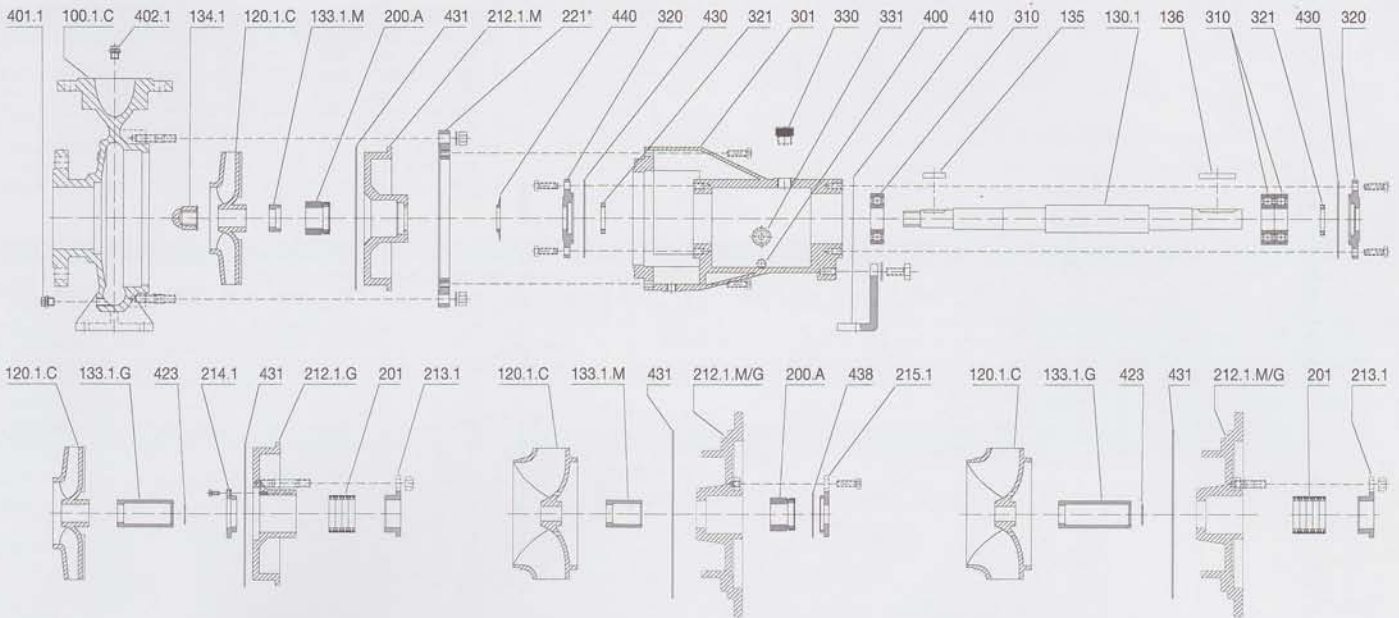
BEARING BRACKET

Rigid single-piece cast iron construction and in connection with the support foot. Designed with large oil reservoir for better dissipation of heat, and standard oil level bulls-eye sight glass for easy monitoring.

BEARINGS

Heavy duty, single row, deep groove ball bearings are designed with oil bath lubrication. Each bearing is protected by a cast iron cover with inbuilt oil seal to ensure an exceptionally long, trouble free bearing life.

SR (BARESHAFT)



Gland Packing

Models 125-320, 125-400 and models with discharge diameter 150mm (Mechanical Sealing)

Models 125-320, 125-400 and models with discharge diameter 150mm (Gland Packing)

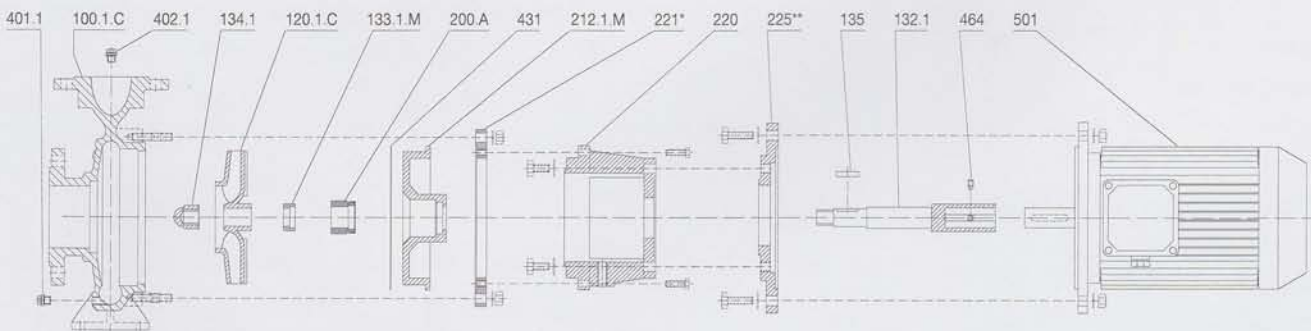
Part No.	Description	Standard Material
100.1.C	Casing for Closed Impeller	Stainless Steel 304
120.1.C	Closed Impeller	Stainless Steel 304
130.1	Shaft	Stainless Steel 304
133.1.G	Shaft Sleeve for Gland Packing	Stainless Steel 304
133.1.M	Shaft Sleeve for Mechanical Sealing	Stainless Steel 304
134.1	Impeller Nut	Stainless Steel 304
135	Key for Impeller	Stainless Steel 304
136	Shaft End Key	Stainless Steel 304
200.A	Mechanical Seal	Carbon vs. Ceramic
201	Packing	Asbestos
212.1.G	Stuffing Box Cover for Gland Packing	Stainless Steel 304
212.1.M	Stuffing Box Cover for Mechanical Sealing	Stainless Steel 304
212.1.M/G	Stuffing Box Cover for Mechanical Sealing and Gland Packing	Stainless Steel 304
213.1	Gland	Stainless Steel 304
214.1	End Ring	Stainless Steel 304
215.1	Seal Cover	Stainless Steel 304

Part No.	Description	Standard Material
221*	Adaptor Extension Ring	Cast Iron
301	Bearing Bracket	Cast Iron
310	Bearing	Steel
320	Bearing Cover	Cast Iron
321	Oil Seal	Synthetic Rubber
330	Oil Cover	Aluminium Alloy
331	Oil Gauge	Plastic Threaded
400	Bearing Bracket Drain Plug	Galvanise Steel
401.1	Casing Drain Plug	Stainless Steel 304
402.1	Venting Plug	Stainless Steel 304
410	Support Foot	Cast Iron
423	Shaft Sleeve "O" Ring	Synthetic Rubber
430	Bearing Cover Gasket	Asbestos Sheet
431	Stuffing Box Cover Gasket	P.T.F.E.
438	Seal Cover Gasket	Asbestos Sheet
440	Deflector	Synthetic Rubber

* For all models except 32-130, 40-130, 50-130, 65-130, 65-160, 80-160, 100-260, 125-260, 125-320, 125-400 and models with discharge diameter 150mm

SRM (CLOSE-COUPLED)

Applicable Models : All models except 80-400, 100-400, 125-320, 125-400 and models with discharge diameter 150mm
 Applicable Motor Sizes : 80M, 90S, 90L, 100L, 112M, 132S, 132M, 160M, 160L, 180M and 180L

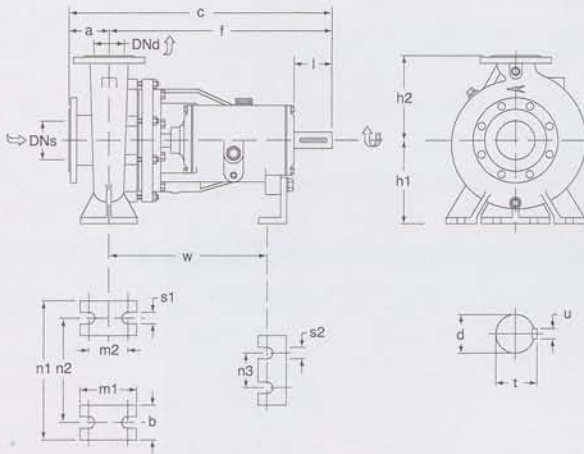


Part No.	Description	Standard Material
100.1.C	Casing for Closed Impeller	Stainless Steel 304
120.1.C	Closed Impeller	Stainless Steel 304
132.1	Motor Extension Shaft	Stainless Steel 304
133.1.M	Shaft Sleeve for Mechanical Sealing	Stainless Steel 304
134.1	Impeller Nut	Stainless Steel 304
135	Key for Impeller	Stainless Steel 304
200.A	Mechanical Seal	Carbon vs. Ceramic
212.1.M	Stuffing Box Cover for Mechanical Sealing	Stainless Steel 304

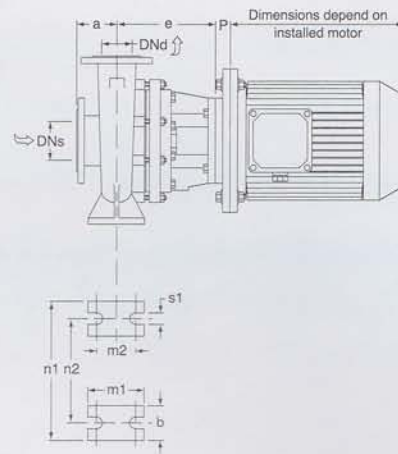
Part No.	Description	Standard Material
220	Frame Adaptor	Cast Iron
221*	Adaptor Extension Ring	Cast Iron
225**	Motor Adaptor Extension Ring	Cast Iron
401.1	Casing Drain Plug	Stainless Steel 304
402.1	Venting Plug	Stainless Steel 304
431	Stuffing Box Cover Gasket	P.T.F.E.
464	Jam Nut	Stainless Steel 304
501	Flange-Mounted Motor	-

* For all applicable models except 32-130, 40-130, 50-130, 65-130, 32-160, 40-160, 50-160, 65-160 and 80-160
 ** For all applicable motor sizes except 80M, 90S and 90L

SR (BARESHAFT)



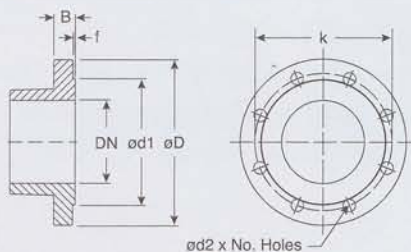
SRM (CLOSE-COUPLED)



Dimensions in mm

PUMP MODEL	SR & SRM (where applicable)																			SRM																
	Flanges		Pump Dimensions					Foot Dimensions						Shaft End						Close-Coupled Dimensions																
	DNd	DNs	a	f	c	h1	h2	b	m1	m2	n1	n2	n3	s1	s2	w	d	l	t	u	e	P														
32-130	32	50	80	385	465	112	140	50	100	70	190	140	110	14	14	285	24	50	27.9	8	151	Motor Sizes 80M, 90S, 90L P = 0														
32-160					132	160	240				190	193																								
32-200					160	180	240				190	193																								
32-260	40	65	100	500	600	180	225	65	125	95	320	250	110	14	14	370	32	80	35.3	10	198		Motor Sizes 100L, 112M P = 20													
40-130			80	465	112	140	210	160	240	190	285	24												50	27.9	8	151									
40-160			385	132	160	240	190	193																												
40-200			485	160	180	265	212	320	250	370	32	80												35.3	10	198										
40-260	600	180	225	320	250	370	32	80	35.3	10	198	Motor Sizes 132S, 132M P = 30																								
40-320	125	500	625	200	250	65	125	95	345	280	240		190	265	212	320	250	345	280	285	24			50	27.9	8	151									
50-130	50	80	100	385	485	160	180	50	100	70	265		212	110	14	14	285	24	50	27.9	8			193	Motor Sizes 160M, 160L, 180M, 180L P = 60											
50-160					160	180	265	212	320	250	370		32													80	35.3	10	198							
50-200					200	225	280	345	280	320	250		370													32	80	35.3	10	198						
50-260	225	280	345	280	320	250	370	32	80	35.3	10		198	Motor Sizes 100L, 112M P = 20																						
65-130	65	100	100	385	485	180	65	125	95	280	212		110		14	14	285	24	50	27.9	8	151		Motor Sizes 132S, 132M P = 30												
65-160				160	200	320	250	370	32	80	35.3															10	198									
65-200				500	600	180	225	360	280	400	315												42			95	45.1	12	203							
65-260	625	200	250	80	160	120	360	280	400	315	42		95		45.1	12	203	Motor Sizes 160M, 160L, 180M, 180L P = 60																		
65-320 ¹⁾	125	530	655	225	280	80	160	120	400	315	42		95		45.1	12	203		Motor Sizes 160M, 160L, 180M, 180L P = 60																	
80-160	80	125	125	500	625	180	225	65	125	95	320		250		110	14	14			370	32	80	35.3			10	198	Motor Sizes 160M, 160L, 180M, 180L P = 60								
80-200					250	280	345	280	400	315	42	95	45.1																12	203						
80-260 ²⁾					200	280	345	280	400	315	42	95	45.1																12	203						
80-320 ³⁾	250	315	80	160	120	400	315	42	95	45.1	12	203	Motor Sizes 160M, 160L, 180M, 180L P = 60																							
80-400 ⁴⁾	530	655	280	355	435	355	42	95	45.1	12	203	Motor Sizes 160M, 160L, 180M, 180L P = 60																								
100-160	100	125	125	500	625	200	280	80	160	120	340				260	110	18			14	370	32	80		35.3	10	198		Motor Sizes 160M, 160L, 180M, 180L P = 60							
100-200					280	360	280	400	315	42	95			45.1	12															203						
100-260 ⁵⁾					225	80	160	120	360	280	400			315	42									95						45.1	12	203				
100-320 ⁶⁾	140	530	670	250	315	100	200	150	500	400	400			315	42	95	45.1			12	203	Motor Sizes 160M, 160L, 180M, 180L P = 60														
100-400 ⁷⁾	280	355	100	200	150	500	400	400	315	42	95			45.1	12	203	Motor Sizes 160M, 160L, 180M, 180L P = 60																			
125-200	125	150	140	500	640	250	315	80	160	120	400			315	110	18		14		370	32		80	35.3	10	198	Motor Sizes 160M, 160L, 180M, 180L P = 60									
125-260 ⁸⁾					315	400	100	200	150	500	400			400					315											42	95	45.1	12	203		
125-320 ⁹⁾					280	355	100	200	150	500	400			400					315									42		95	45.1	12	203			
125-400 ¹⁰⁾	530	670	315	400	100	200	150	500	400	400	315			42	95	45.1		12	203	Motor Sizes 160M, 160L, 180M, 180L P = 60																
150-200 ¹¹⁾	150	200	160	500	660	280	375	100	200	150	550			450	110	23		14	370		32		80	35.3	10	198		Motor Sizes 160M, 160L, 180M, 180L P = 60								
150-260 ¹²⁾					690	400	100	200	150	550	450		400	315																42	95	45.1	12	203		
150-320 ¹³⁾					770	450	100	200	150	550	450	400	315	42																95	45.1	12	203			
150-400	670	830	315	450	100	200	150	550	450	400	315	42	95	45.1	12	203		Motor Sizes 160M, 160L, 180M, 180L P = 60																		
200-400 ¹⁴⁾	200	200	180	630	810	355	450	120	250	180	620	500	180	23	18	390			55		100		60	15.9	198	Motor Sizes 160M, 160L, 180M, 180L P = 60										
200-500 ¹⁵⁾						400	500	120	250	180	620	500																	180	23	18	390	55	100	60	15.9

- 1) In these models the dimension "t" is 15mm shorter than the specified in ISO 2858. The dimension "f" is according to ISO 2858
- 2) In this model the dimension "h1" is 25mm smaller than the specified in ISO 2858
- 3) In this model the dimension "h1" is 35mm smaller than the specified in ISO 2858
- 4) In this model the dimensions "n1" and "n2" are 50mm bigger than the specified in ISO 2858
- 5) These models are additional sizes and not specified in ISO 2858



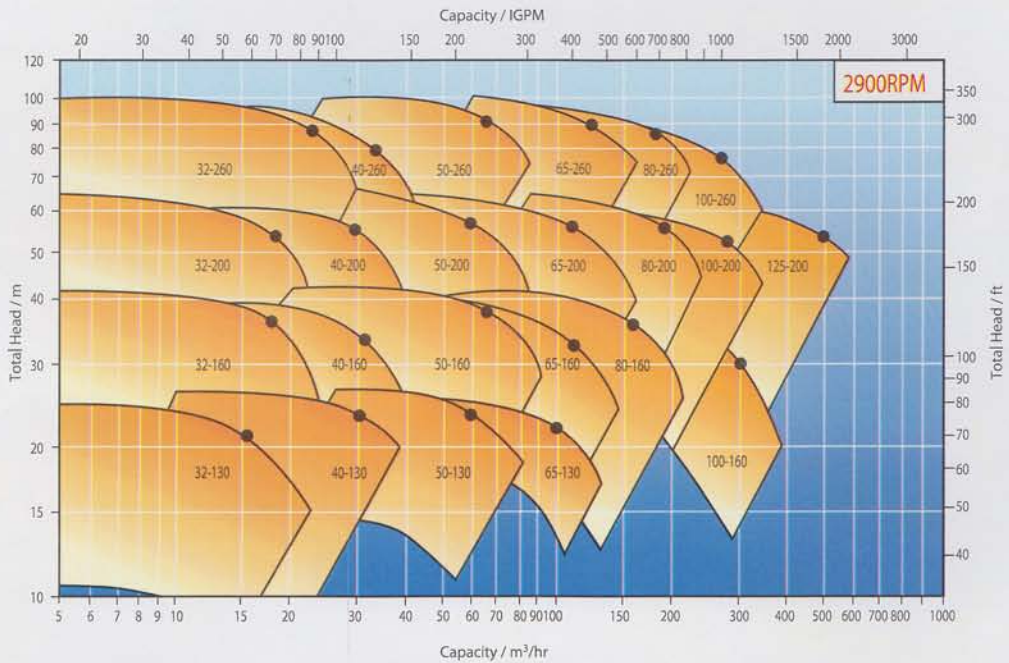
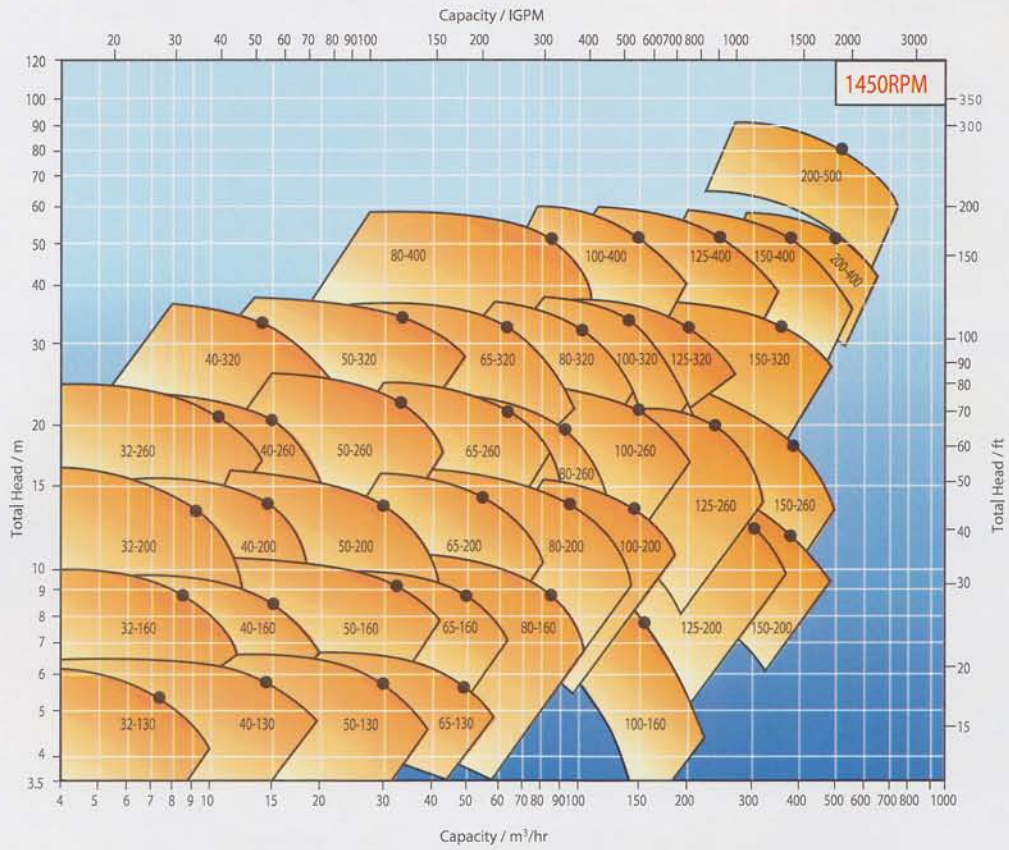
NOMINAL DIA.	Dimensions in mm							
	Flange		Raised Face		Drilling*		Bolting	
	D	B	d1	f	No.	d2	k	
32	140	18	76	2	4	18	100	M16
40	150	18	84	2	4	18	110	M16
50	165	20	99	2	4	18	125	M16
65	185	20	118	2	4**	18	145	M16
80	200	20	132	2	8	18	160	M16
100	220	22	156	2	8	18	180	M16
125	250	22	184	2	8	18	210	M16
150	285	24	211	2	8	22	240	M20
200	340	24	266	2	12	22	295	M20

Flange dimensions and drilling according to ISO 7005-1:1992 - PN16

* Holes equally spaced straddling pump centreline

** Number of holes drilled less than the specified in ISO 7005-1:1992 - PN16

KS-SR PUMP SELECTION CHART



Curve for reference only. For final selection refer to individual pump curve.
Black dots on curves show best efficiency points.



<http://www.kewpump.com>