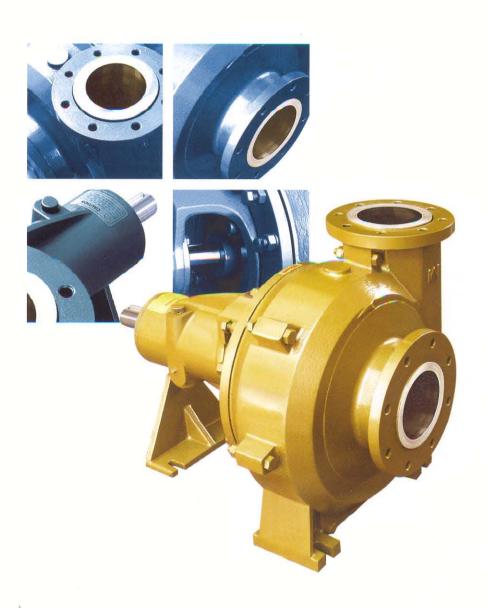


Keeps Pumping











KS-5C

BACK PULL-OUT
METAL LINER
CENTRIFUGAL PUMP

Design

The KS-SC range of pumps are horizontal, single stage centrifugal pumps with back pull out design. The entire pump assembly can be removed from the casing without dismantling the pipework and gives instant access to most parts to enable simple and guick maintenance.

Heavy duty cast iron bearing frame, oil lubricated bearings and oversized shaft provide maximum operating life and stability. The pumps are designed for both direct coupled and V-belts drive.

The casting is of the vertical split type consisting of two halves with integral cast support feet. Volute liner can be easily mounted and dismounted without disruption to the suction piping.

The impeller and volute liner have large passageways and liberal clearances designed for large solids handling capability. These pumps had been specially designed and developed to meet the needs of palm oil industries and similar applications where there is a need to handle activated sludge, crude oil, muddy liquids, thick mash, effluent water, mixture of solids and water and other similar liquids.

Various types of materials for the impeller and the volute liner are available to match the nature of liquid to be handled.

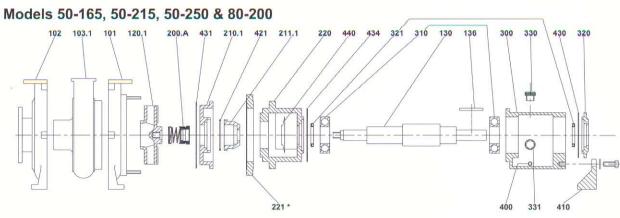
Materials of Construction

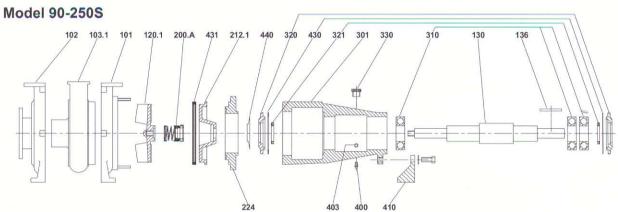
All standard pump components in contact with the fluid are made of Stainless Steel 304 (CF-8). 400 series Stainless Steel and High Chrome Iron are also available upon request.

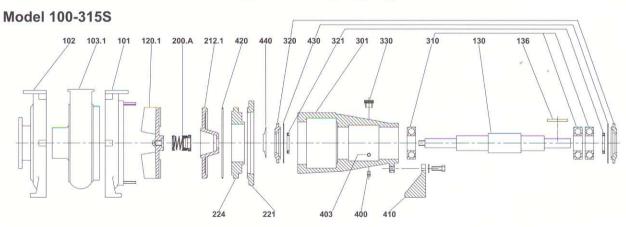
CASING IMPELLER **VOLUTE LINER** End suction and Radial flow impeller This allows for cost tangential top threaded on shaft with savings in wear and tear discharge nozzle hydraulically balanced replacements, compared design. The casing back vanes, to reduce to replacement of entire is of the vertical axial thrust and also casing. Material type can split type consisting relieve pressure on also be interchanged to of two halves and the stuffing box almost suit different abrasive, secured together corrosive and impact entirely. with bolts and nuts. conditions. itennanner! SHAFT SEAL SHAFT AND Standard single acting **BEARINGS** mechanical seal is Precisely machined generally employed for stainless steel shaft and oil the shaft sealing. lubricated deep groove ball However, gland packing bearings permit stable system fitted with shaft operation over the service sleeve is also available life of the pump.

on request.

KN KEWPUMP® KS-5C PARTS LIST



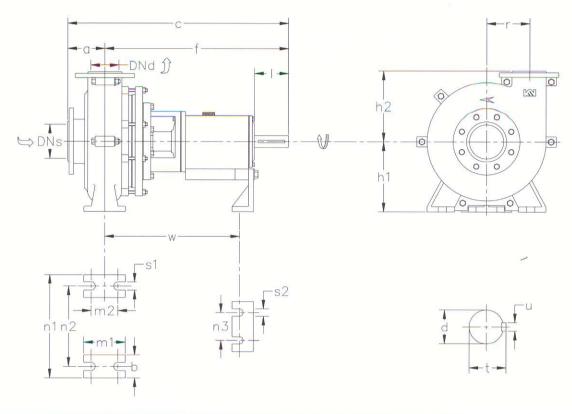




Part No.	Description	Standard Material
101	Back Casing	Cast Iron
102	Front Casing	Cast Iron
103.1	Volute Liner	Stainless Steel 304
120.1	Impeller	Stainless Steel 304
130	Shaft	Stainless Steel 304
136	Shaft End Key	Stainless Steel 304
200.A	Mechanical Seal	Carbon vs. Ceramic
210.1	Casing Cover	Stainless Steel 304
211.1	Sealing Chamber	Stainless Steel 304
212.1	Stuffing Box Cover	Stainless Steel 304
220	Frame Adaptor	Cast Iron
221 *	Adaptor Extension Ring	Cast Iron
224	Stuffing Box Cover Adaptor	Cast Iron
300	Bearing Frame	Cast Iron
301	Bearing Bracket	Cast Iron
310	Bearing	Steel

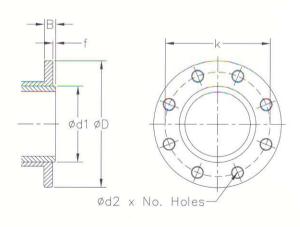
Part No.	Description	Standard Material
320	Bearing Cover	Cast Iron
321	Oil Seal	Synthetic Rubber
330	Oil Cover	Aluminium Alloy
331	Oil Gauge	Plastic Threaded
400	Bearing Frame Drain Plug / Bearing Bracket Drain Plug	Galvanised Steel
403	Oil Level Plug	Galvanised Steel
410	Support Foot	Cast Iron
420	Stuffing Box Cover 'O' Ring	Synthetic Rubber
421	Sealing Chamber 'O' Ring	Synthetic Rubber
430	Bearing Cover Gasket	Asbestos Sheet
431	Casing Cover Gasket / Stuffing Box Cover Gasket	P.T.F.E.
434	Frame Adaptor Gasket	Asbestos Sheet
440	Deflector	Synthetic Rubber
* Not availab	le in model 50-165	

KN KEWPUMP® KS-5C GENERAL DIMENSIONS



								Din	nens	ions	in mı	m									
PUMP	Flanges		Pump Dimensions					Foot Dimensions							Shaft End						
MODEL	DNd	DNs	а	f	С	h1	h2	r	b	m1	m2	n1	n2	n3	s1	s2	w	d	1	t	u
50-165	50	65	115	440	555	160	162	100	65	115	70	255	195	110	17	14	310	38	80	42.8	9.5
50-215	50	65	112	440	552	176	190	115	65	115	70	265	205	110	17	14	315	38	80	42.8	9.5
50-250	50	65	115	440	555	205	215	150	65	115	70	330	258	110	17	14	315	38	80	42.8	9.5
80-200	80	90	118	440	565	185	205	112	65	125	85	330	250	110	17	14	315	38	80	42.8	9.5
90-250S	90	100	150	540	690	235	210	145	65	130	100	380	315	180	17	14	380	42	100	48.3	12.7
100-315S	100	125	155	535	690	265	255	175	65	130	100	380	315	180	17	14	375	42	100	48.3	12.7

		Di	mens	ions ir	nm					
PUMP	Branch	Flai	nge	Rais Fa		Drilling				
MODEL		D	В	d1	f	No.	d2	k		
50-165 50-215	Suction	185	22	85	2	4	5/8 BSW"	145		
	Discharge	165	22	85	2	4	5/8 BSW"	125		
50-250	Suction	185	22	85	2	4	5/8 BSW"	145		
	Discharge	185	22	85	2	4	5/8 BSW"	145		
80-200	Suction	220	22	115	2	8	5/8 BSW"	180		
	Discharge	200	22	115	2	8	5/8 BSW"	160		
90-250S	Suction	220	22	120	2	8	5/8 BSW"	180		
	Discharge	200	22	136	2	8	5/8 BSW"	160		
100-315S	Suction	250	26	150	2	8	5/8 BSW"	210		
	Discharge	220	22	148	2	8	5/8 BSW"	180		



Holes equally spaced straddling pump centreline.



http://www.kewpump.com