

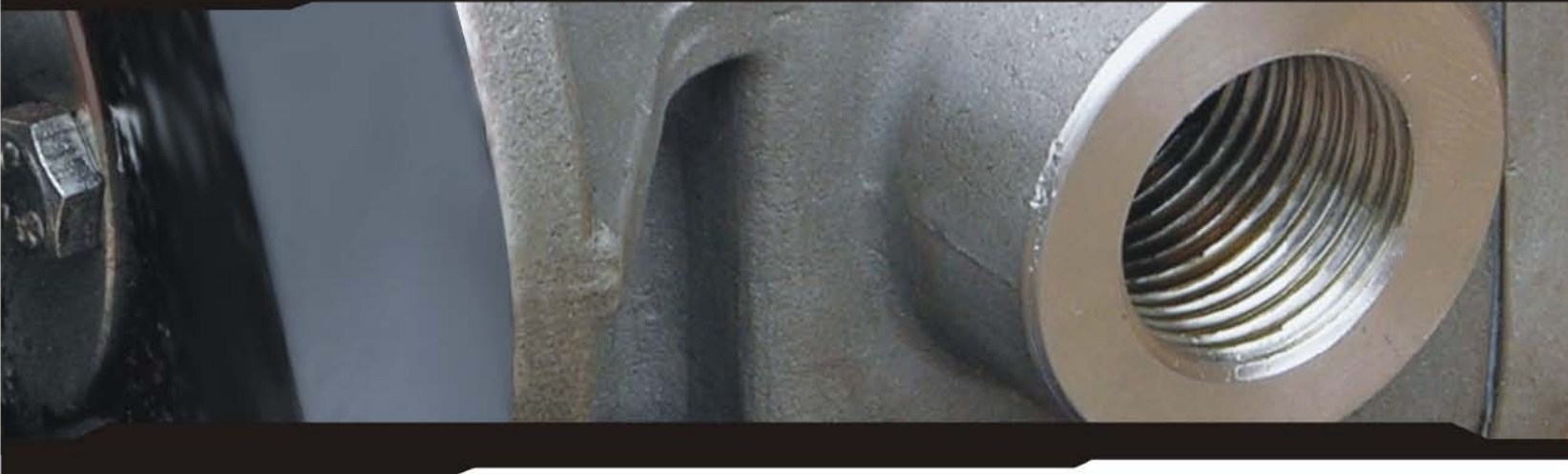


# HYDRO PROKAV

For Transfer of Corrosive  
Chemicals & Viscous Liquids.



## KS SERIES



### APPLICATION

- Chemical Industry
- Pharmaceutical Industry
- Dyeing & Printing Houses
- Paint Industry
- Food & Beverages

### FEATURES

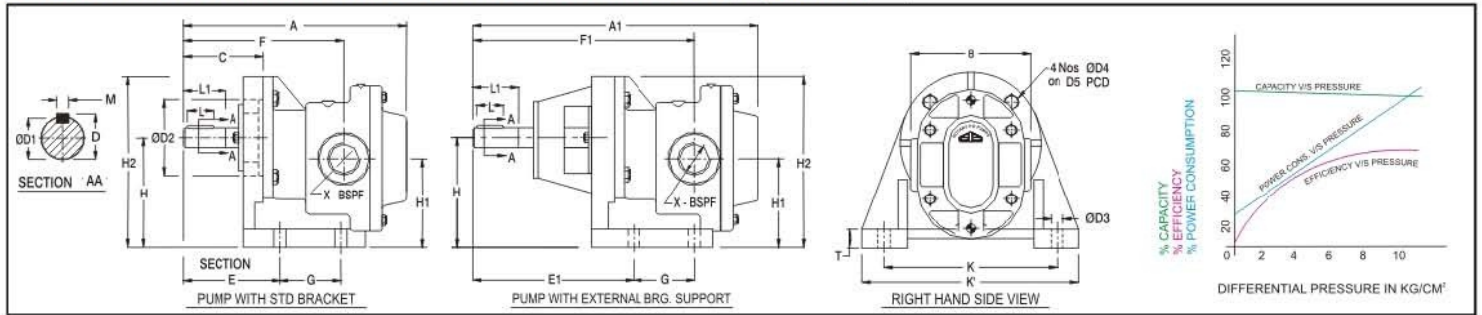
- Complete SS-316 (CF8M) Investment Casting
- Nitrided Gears and Shafts for Longer Life
- Teflon Coated Bush for Smooth Performance
- Optimum Internal Clearance for Accurate Capacity and Lower Power Consumption
- Double Helical Gear Design From KS -100 Onwards.



# HORSE POWER AND CAPACITY CHART

PUMP MODEL	INLET OUTLET SIZE	CAPACITY AT 1500 RPM			POWER CONSUMPTION (BHP) AT DIFF. PRESSURES OF 'X'KG/CM <sup>2</sup> WITH LIQUID VISCOSITY @ 1500 SSU & SP. GR. @ 0.8g/CC										WT. (KG) WITH STD. BRACKET	WT. (KG) WITH EXT.BRG. BRACKET	
		LPM	US GPM	M <sup>3</sup> /hr	1	2	3	4	5	6	7	8	9	10			
KS-025-S	1/4" X 1/4" BSP	2.5	0.65	0.15	0.25										2.20	3.00	
KS-025-L		5	1.30	0.30	0.25					0.50							
KS-050-S	1/2" X 1/2" BSP	10	2.65	0.60	0.25		0.50					0.75			3.70	4.70	
KS-050-L		25	6.65	1.50	0.50				0.75			1.00					
KS-75	3/4" X 3/4" BSP	35	9.30	2.10	0.50			0.75			1.00				4.25	5.50	
KS-100	1" X 1" BSP	50	13.30	3.00	0.75		1.00			1.50			2.00		5.25	6.50	
KS-150-S	1 1/2" X 1 1/2" BSP	75	20.00	4.50	1.00	1.50		2.00			3.00				10.50	13.00	
KS-150-L		100	26.60	6.00	1.50		2.00		3.00			5.00					
KS-200-S	2" X 2" BSP	150	40.00	9.00	3.00			5.00			7.50				15.70	18.00	
KS-200-L		200	53.30	12.00	3.00		5.00			7.50							
KS-250-S	2 1/2" X 2 1/2" BSP	300	80.00	18.00	5.00			7.50			10.00		12.50			25.00	28.00
KS-250-L		350	92.00	21.00	5.00		7.50		10.00			12.50					
KS-300-S	3" X 3" FLANGED	415	110.00	25.00	7.50			10.00			12.50		15.00			45.00	48.50
KS-300-L		500	132.00	30.00	7.50		10.00		12.50		15.00		20.00				

## KS 300 PUMP WITH 3" x 3" FLANGES CONFIRMING TO ASA - 150 (ANSI B 16.5)



## DIMENSIONS : BARE SHAFT PUMP, PUMP WITH STANDARD BRACKET AND PUMP WITH EXTERNAL BEARING SUPPORT BRACKET

MODEL	A	B	C	ØD2	ØD4	ØD5	ØD1	D	M	L	L1	E	G	K	K'	F	H	H1	H2	T	ØD3	A1	E1	F1	X
KS-025	106	56	33	45	6.5	56	10	11.5	3	12	14	46	35	100	125	74	63	54	100	10	8.5	151	91	119	1/4" BSP
KS-050	145	76	53	50	8.5	66	12	13.5	4	20	32	66	40	115	138	105	71	57	113	12	8.5	185	106	145	1/2" BSP
KS-075	158	82	62	60	10.0	80	15	17.0	5	28	40	77	45	125	146	115	62	63	132	15	10.0	218	137	174	3/4" BSP
KS-100	173	82	62	60	10.0	80	15	17.0	5	28	40	77	45	125	146	124	80	63	132	15	10.0	233	137	184	1" BSP
KS-150	224	98	71	75	12.5	98	20	22.5	6	35	50	89	65	160	190	153	100	78	160	15	12.0	285	150	214	1.5" BSP
KS-200	258	115	88	85	13.5	110	25	28.0	8	40	62	104	80	190	230	180	112	85	181	15	15.0	328	174	250	2" BSP
KS-250	297	130	83	100	13.5	125	25	28.0	8	45	60	102	110	216	256	194	132	100	210	18	17.0	364	170	262	2.5" BSP
KS-300	352	280	94	110	13.5	143	30	33.0	8	50	70	116	135	195	240	232	160	126	249	20	19.0	424	188	304	3" FLG**

Sr.	PARTS	MATERIAL
1	BODY	SS-316 ( CF 8M Casting)
2	COVER	SS-316 ( CF 8M Casting)
3	GEARS	SS-316 Nitrided
4	SHAFTS	SS-316 Nitrided
5	GLAND COVER	SS-316
6	SEAL	PTFE /Z-Pac / Mech. Seal
7	BRACKET	C. I. - 20
8	BUSH	PITF Coated
9	BOLT	SS-304
10	RELIEF VALVE (OPTIONAL)	SS-316

RECOMMENDED FOR LIQUIDS
Viscous and Corrosive chemicals
Mild Acids
Printing Inks
Dyes
Sugar Syrups
Resins & Pigments
Slurry(Non-abrasive)
Glycerine
Vegetable Oils

VISCOSITY	SPEED	CAPACITY
UP TO 500 CST	1500 RPM	100%
500 - 1500 CST	1000 RPM	66.6%
1500 - 5000 CST	750 RPM	50%
5000 - 15000 CST	500 RPM	33%
15000 - 30000 CST	380 RPM	25%
30000 - 50000 CST	300 RPM	20%
50000 - 100000 CST	200 RPM	13%
100000 - 200000 CST	150 RPM	10%