SHB Series Gear Pump

SHOWFOU



APPLICATIONS

Model SHB gear pump uses the meshing of gears to pump fluid by displacement.
It is one of the most common types of pumps for hydraulic fluid power applications. It is also widely used in chemical installations to pump high viscosity fluids.
It is therefore suitable for use in the

- Kerosene
- Machine oil
- Heavy oil
- Light oil
- Gasoline (Please contact SHOWFOU for special design)

FEATURES

SHB gear pump is a standard herringbone gear type pump. It is rating to JB/T 6434 standard. As the gears rotate they separate on the intake side of the pump, creating a void and suction which is filled by fluid. The fluid is carried by the gears to the discharge side of the pump, where the meshing of the gears displaces the fluid. The mechanical clearances are small— in the order of 10 μm. The tight clearances, along with the speed of rotation, effectively prevent the fluid from leaking backwards. The rigid design of the gears and houses allow for very high pressures and the ability to pump highly viscous fluids.



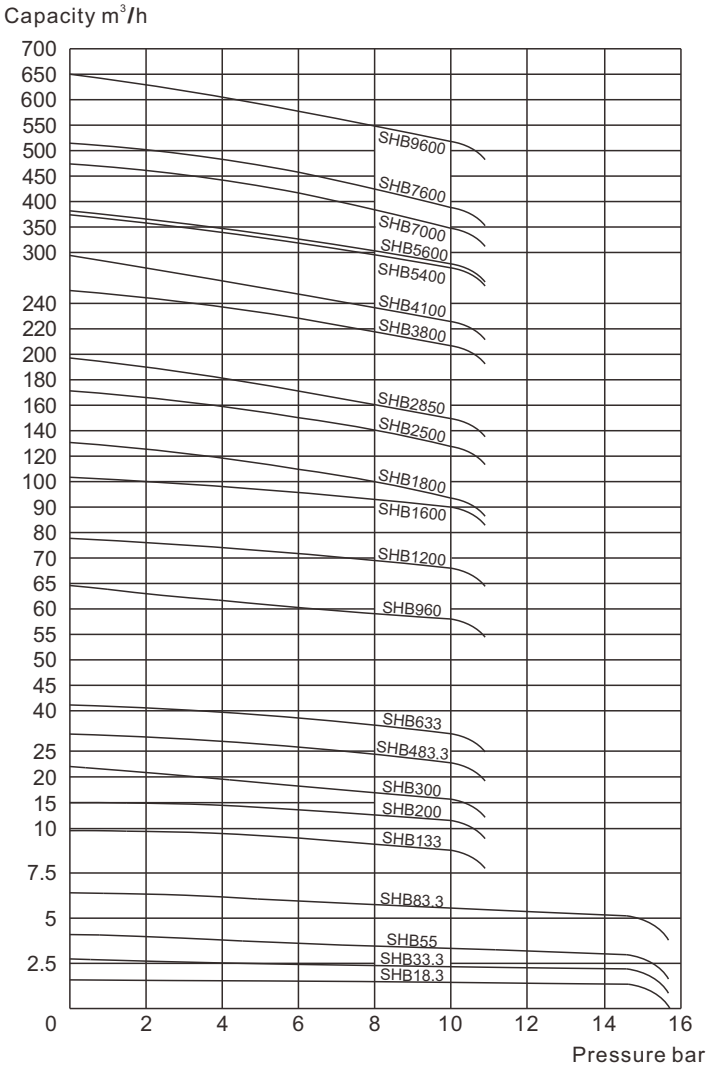


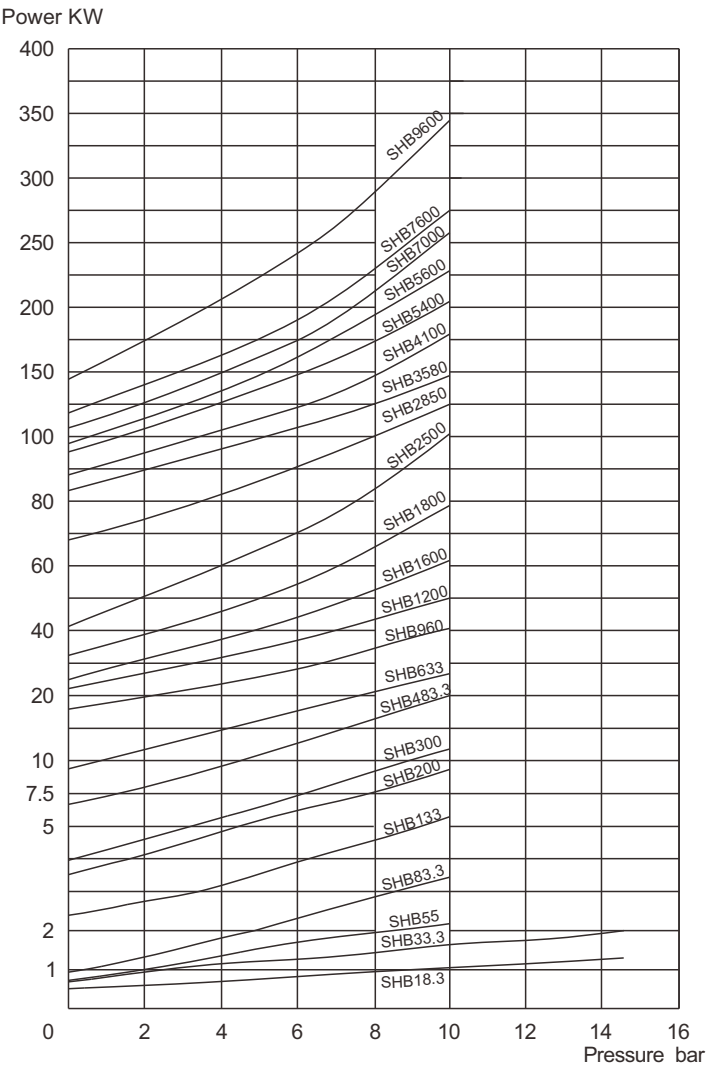

SHB Series Gear Pump

WORKING PRESSURE

Model	Size		Rated Flow			Max. Pressure		Rated Speed	Max. Power	
	Inch	mm	m^3/h	LPM	USG/M	Bar	Psi	RPM	kW	Hp
SHB18.3	3/4"	20	1.1	18.3	5	14.5	210	1450	1.5	2
SHB33.3			2	33.3	7				2.2	3
SHB55	1"	25	3.3	55	15	10	145	1450	2.2	3
SHB83.3	1-1/2"	40	5	83.3	22				4	5.5
SHB133	2"	50	8	133	35			960	5.5	7.5
SHB200			12	200	53			1450	11	15
SHB300	3"	80	18	300	79			960	15	20
SHB483.3			29	483.3	128			1450	22	30
SHB633	4"	100	38	633	167			960	30	40
SHB960			58	960	254			1450	45	60
SHB1200	6"	150	72	1200	317	10	145	740	55	75
SHB1600			96	1600	423			980	75	100
SHB1800	8"	200	108	1800	476			740	90	120
SHB2500			150	2500	661			980	110	150
SHB2850	10"	250	171	2850	753			740	132	180
SHB3800			228	3800	1004			980	160	220
SHB4100			246	4100	1083			740	185	250
SHB5400			324	5400	1427			980	220	300
SHB5600	14"	350	336	5600	1480			740	250	330
SHB7600			456	7600	2008			980	280	375
SHB7000			420	7000	1849			740	280	375
SHB9600			576	9600	2536			980	355	475

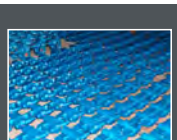
PUMP PERFORMANCE CURVE





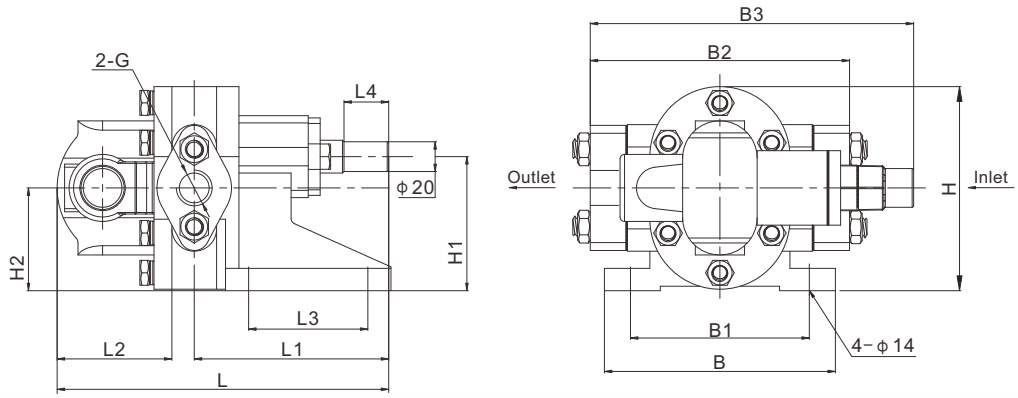




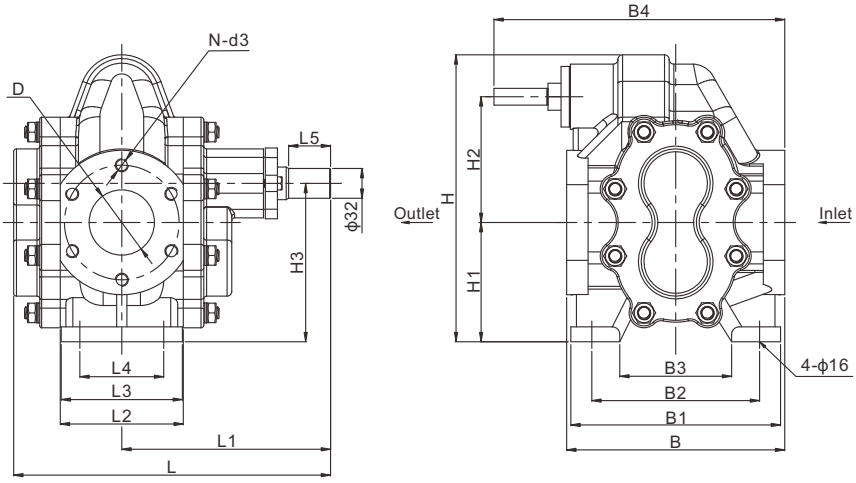


SHB Series Gear Pump

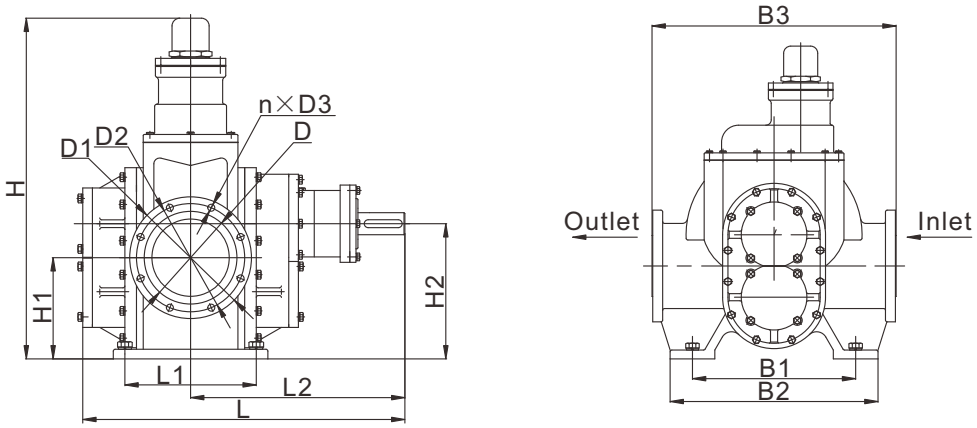
DIMENSION



Model	L	L1	L2	L3	L4	H	H1	H2	B	B1	B2	B3	G
SHB18.3	222.5	130.5	77	80	30	137	90	69	155	120	174	217	G 3/4"
SHB33.3	222	130	77	80	30	137	90	69	155	120	174	217	G 3/4"
SHB55	238	138.5	77	80	30	137	90	69	155	120	174	222	G1"
SHB83.3	263	151	77	80	30	137	90	69	155	120	174	225	G1 1/2"



Model	L	L1	L2	L3	L4	L5	H	H1	H2	B	B1	B2	B3	B4	D	N×d3
SHB200(SHB133)	291	201	-	90	65	-	272. 5	122	118	273	193	150	-	315	G 2"	-
SHB300(SHB483.3)	340	224	132	130	90	45	308	128	135	234	225	180	120	312	ϕ70	6-M14
SHB633(SHB960)	410	268	180	175	120	60	367.5	150	170	280	220	175	116	357	ϕ100	8-M12



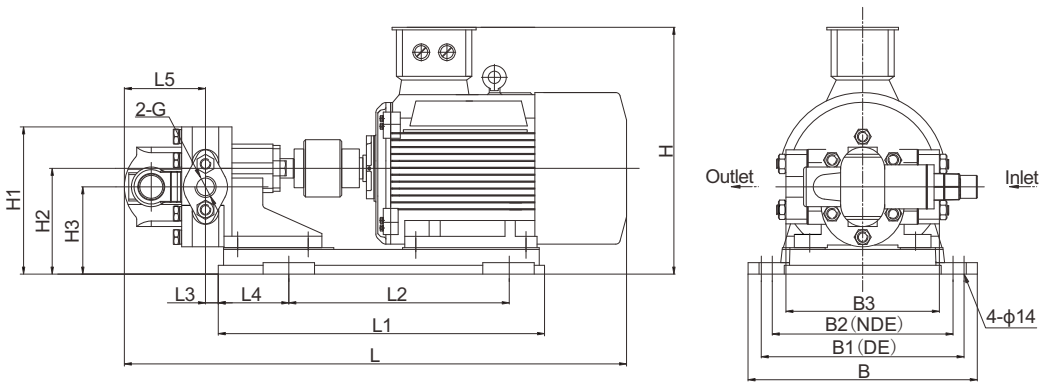
Model	L	L1	L2	B1	B2	B3	H	H1	H2	D	D1	D2	n×D3
SHB-1200	715	300	480	415	463	510	708	220	300	ϕ150	ϕ260	ϕ225	8×ϕ18
SHB-1600													
SHB-1800	830	340	547	460	585	684	876	262	350	ϕ200	ϕ320	ϕ280	8×ϕ18
SHB-2500													
SHB-2850	948	380	625	520	584	640	915	299	400	ϕ250	ϕ370	ϕ335	12×ϕ18
SHB-3800													
SHB-4100													
SHB-4500													
SHB-5600	1085	345	700	500	600	740	1155	386	500	ϕ350	ϕ490	ϕ445	12×ϕ23
SHB-7000													
SHB-7600													
SHB-9600													



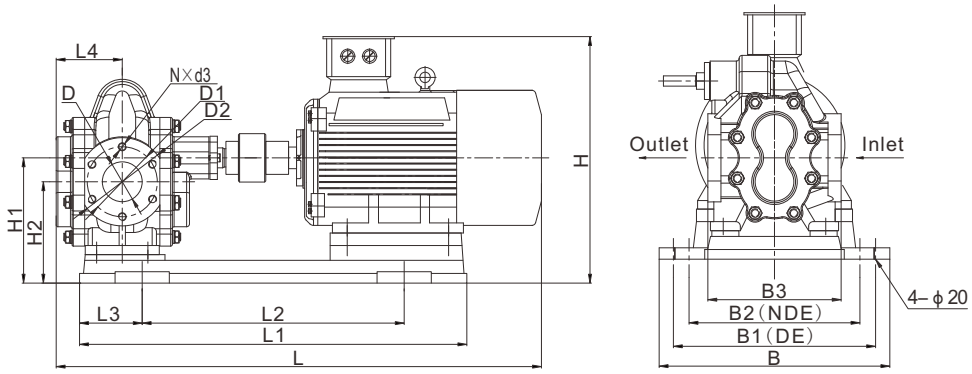


SHB Series Gear Pump

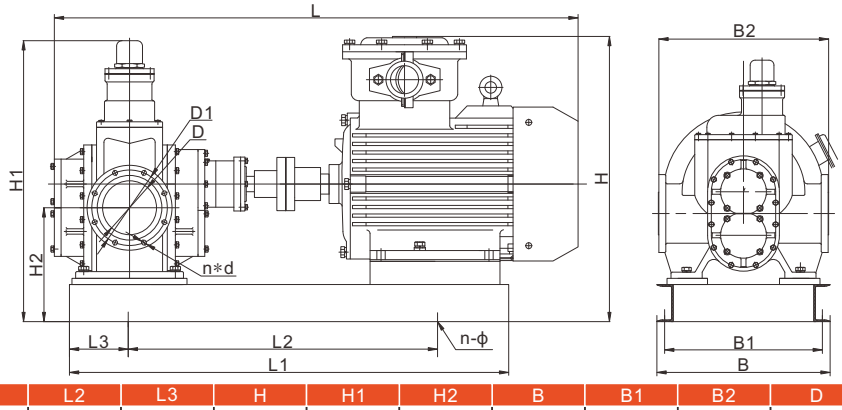
DIMENSION



Model	Motor/Frame	L	L1	L2	L3	L4	L5	H	H1	H2	H3	B	B1	B2	B3	G
SHB18.3	1.5kW-4/Y90L	569.5	370	250	14.5	80	92	280	167	120	99	260	230	205	174	G 3/4"
SHB33.3	2.2kW-4/Y100L	608.5	410	250	7.5	85	92	300	177	130	109	284	250	205	174	G 3/4"
SHB55	1.5kW-4/Y90L	584.5	370	250	22	80	100	280	167	120	99	260	230	205	184	G1"
SHB83.3	2.2kW-4/Y100L	648.5	410	250	27.5	85	112	300	177	130	109	284	250	205	190	G1 1/2"



Model	Motor/Frame	L	L1	L2	L3	L4	H	H1	H2	B	B1	B2	B3	D	D1	D2	n-d3
SHB133	3kW-6/Y132S	639.5	560	345	115	90	398	210	172	350	300	250	273	G2"	-	-	-
SHB200	4kW-4/Y112M	679.5	560	345	115	90	398	210	172	350	300	250	273	G2"	-	-	-
SHB200	5.5kW-4/Y132S	673.5	655	445	115	90	413	200	162	385	335	250	273	G2"	-	-	-
SHB200	7.5kW-4/Y132M	803.5	655	445	115	90	413	200	162	385	335	250	273	G2"	-	-	-
SHB300	5.5kW-6/Y132M	852	680	460	110	116	433	220	178	405	355	300	234	φ70	φ123	φ155	6-M14
SHB483.3	11kW-4/Y160M	957	760	530	120	116	490	230	188	450	400	310	234	φ70	φ123	φ155	6-M14
SHB633	11kW-6/Y160L	1084	870	560	170	142	525	265	210	440	390	280	280	φ100	φ158	φ190	8-M12
SHB960	18.5kW-4/Y180M	1116	930	590	160	142	540	265	210	460	410	280	280	φ100	φ158	φ190	8-M12
SHB960	22kW-4/Y180L	1156	930	590	160	142	540	265	210	460	410	280	280	φ100	φ158	φ190	8-M12



Model	L	L1	L2	L3	H	H1	H2	B	B1	B2	D	D1	n×d	n×φ
SHB-1200 SHB-1600	1771	1470	990	194	780	828	340	683	-	510	φ150	φ225	8×φ18	4×φ25
SHB-1800 SHB-2500	2036	1704	1142	230	1020	996	382	772	-	684	φ200	φ280	8×φ18	4×φ25
SHB-2850 SHB-3800	2294	1880	1250	270	1070	1035	419	810	-	640	φ250	φ335	12×φ18	4×φ30
SHB-4100 SHB-5400	2524	2008	1340	270	1200	1035	419	1163	-	640	φ250	φ335	12×φ18	4×φ30
SHB-5600 SHB-7000 SHB-7600 SHB-9600	2632	2090	1446	245	1465	1440	671	760	690	740	φ350	φ445	12×φ23	6×φ32

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