

Useful for Pumping & Transfer
of all Viscous Liquids, Oils and
Petroleum Products

SGX SERIES



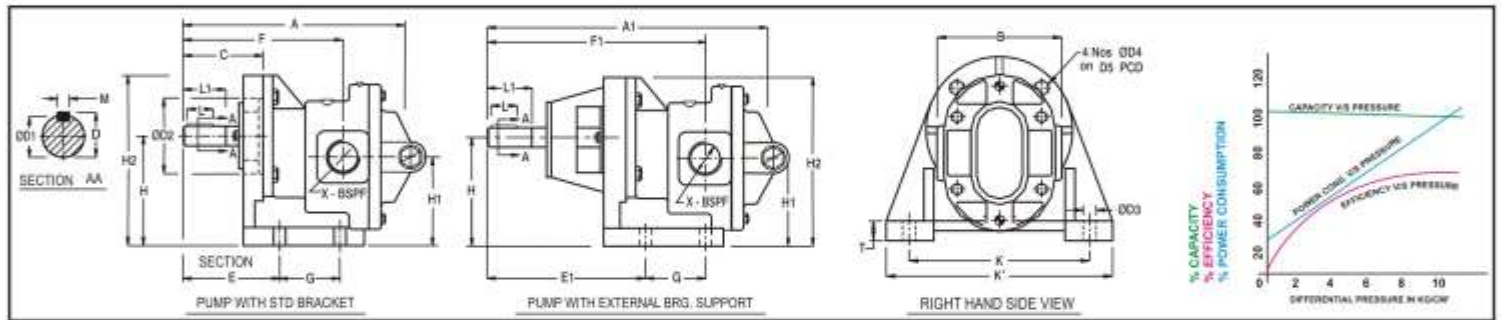
FEATURES

- Reliable for Transfer of
 - Viscous & Semi viscous Liquids like LDO, FO, HSD, Lubricating Oils etc.
- Compact & Highly useful for Standardizing on
 - Centralized Lubricating System
 - Pumping & Heating System
 - Oil Filtration & Cleaning System
 - Transformer Oil Purification System
- Wide Capacity Range
- Optionally Converted to Foot type with the help of L type Bracket which Matches with the Frame of Electrical Motor.
- Option of External Ball Bearing Support to Drive Shaft.



HORSE POWER AND CAPACITY CHART

Pump model	INLET / OUTLET (B.S.P.)	Capacity at 1500 RPM			POWER CONSUMPTION (B.H.P.) AT DIFF. PRESSURE (KG / Cm ²) WITH LIQUID VISCOSITY @ 1500 SSU OF SPECIFIC GRAVITY @ 0.8 gm/cc										Weight of pump with STD bracket	Weight of pump with ex. BRG. bracket	
		LPM	US GPM	M ³ /HR	1	2	3	4	5	6	7	8	9	10			
SGX : 025 - S	1/4" X 1/4"	2.5	0.66	0.15	0.25										2.20	3.00	
SGX : 025 - L		5	1.3	0.30	0.25					0.50							
SGX : 050 - S	1/2" X 1/2"	10	2.65	0.60	0.25		0.50				0.75				3.00	4.00	
SGX : 050 - L		15	4.00	0.90	0.50			0.75									
SGX : 075 - S	3/4" X 3/4"	20	5.30	1.20	0.50			0.75			1.00				4.0	5.25	
SGX : 075 - L		25	6.65	1.50	0.50				0.75			1.00					
SGX : 100 - S	1" X 1"	35	9.30	2.10	0.50			0.75			1.00				6.00	7.50	
SGX : 100 - L		50	13.30	3.00	0.75			1.00			1.50		2.00				
SGX : 125 - S	1 1/4" X 1 1/4"	60	16.00	3.60	1.00			1.50			2.00				8.25	10.00	
SGX : 125 - L		75	19.80	4.50	1.00		1.50		2.00		3.00						
SGX : 150 - S	1 1/2" X 1 1/2"	90	23.79	5.40	1.50			2.00			3.50				11.00	13.50	
SGX : 150 - L		110	29.00	6.60	1.50		2.00		3.00		5.00						
SGX : 200 - S	2" X 2"	150	40.00	9.00	2.00			3.00			5.00				17.00	19.00	
SGX : 200 - L		200	53.30	12.00	3.00			5.00			7.50						
SGX : 250 - S	2 1/2" X 2 1/2"	300	80.00	18.00	5.00			7.50			10.00		12.50			26.00	29.00
SGX : 250 - L		350	92.50	21.00	5.00		7.50		10.00		12.50						
SGX : 300 - S	3" X 3"	415	110.00	25.00	7.50			10.00			12.50		15.00			35.00	40.00
SGX : 300 - L		500	132.00	30.00	10.00		12.50		15.00		20.00						



DIMENSION : 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
SGX-025	117	60	28	45	6.50	56	10	11.50	3	12	14	41	35	100	126	73	63	54	100	10	8.50	166	90	122	1/4" BSP
SGX-050	166	70	51	50	8.50	66	12	13.50	4	22	32	64	40	115	138	108	71	59	113	12	8.50	211	109	153	1/2" BSP
SGX-075	184	80	54	60	10.00	80	12	13.50	4	22	40	69	45	125	153	123	80	66	132	15	10.00	242	127	181	3/4" BSP
SGX-100	202	86	62	60	10.00	80	15	17.00	5	28	40	77	45	125	153	128	80	63	132	15	10.00	260	135	186	1" BSP
SGX-125	222	100	67	70	10.00	90	20	22.50	6	31	45	84	50	150	180	139	90	71	146	15	12.00	280	142	197	1 1/4" BSP
SGX-150	251	108	75	75	12.50	98	20	22.50	6	35	50	93	65	160	190	160	100	78	160	15	12.00	313	155	222	1 1/2" BSP
SGX-200	307	140	92	85	13.50	110	25	28.00	8	40	62	108	80	190	230	197	112	85	181	15	15.00	369	170	259	2" BSP
SGX-250	366	157	98	100	13.50	125	25	28.00	8	45	62	117	110	216	256	231	132	100	210	18	17.00	423	174	288	2 1/2" BSP
SGX-300	407	170	106	110	13.50	143	30	33.00	8	49	70	128	135	260	306	248	160	126	249	20	19.00	472	193	313	3" BSP

SR. NO	PART	MOC.
1	CASING	CI GR. 20
2	R.V. COVER	CI GR. 20
3	GLAND COVER	CI GR. 20
4	SHAFTS	EN-9 H & G
5	GEARS	EN-8
6	GLAND SEAL	OIL SEAL
7	SHAFT BRG	SINTREAD BRONZE BUSH
8	R.V. PLUG	BRASS/MS/ALUMINIUM

VISCOSITY	SPEED	CAPACITY
UP TO 500 CST	1500 RPM	100%
500 - 1500 CST	1000 RPM	66%
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%



Note: Due to Design improvements, Specification & Performance are Subject to Change Without Prior Notice.