

Vertical single-suction axial-flow tank-mounting LUBRICATING OIL PUMPS



APPLICATIONS

Lubricating pumps for diesel engines

SPECIFICATIONS

Total pressure 0.2 to 0.9MPa
 Temperatures Below 100°C

GENERAL CHARACTERISTICS

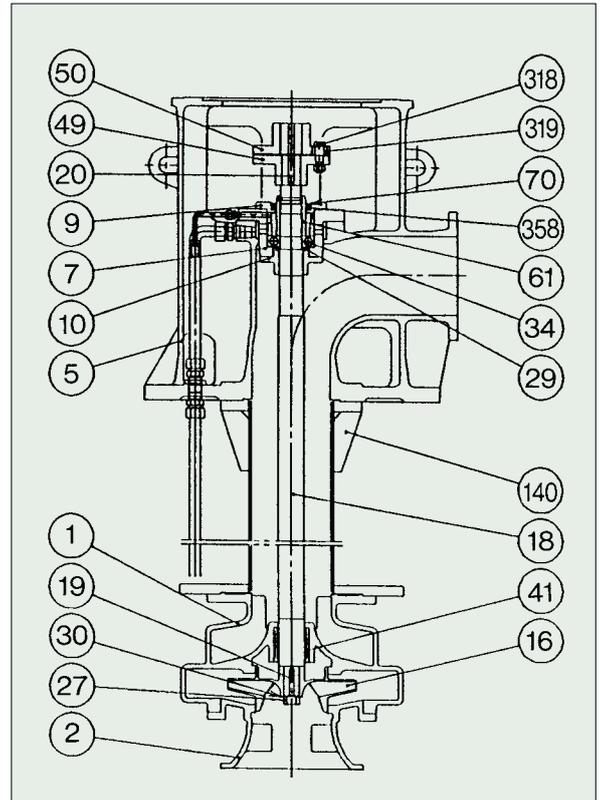
Item	Model	Model										
		SA150	SA150-2	SA200	SA200-2	SA250	SA250-2	SA300	SA300H	SA350	SA350H	SA350-2
Rotation		Clockwise when viewed from the driver										
Number of stages		1	2	1	2	1	2	1	1	1	1	2
Discharge bore (mm)		150		200		250		300		350		
Ball bearings		6309		6311		6311		6311		6314		
Service life (hr)		Above 60000										
Lubrication		Self-lubrication by handling oil										
Required min. LO level (mm)		330		350		430		500		570		
Stuffing box seal		Oil seal										
Weight : FC (kg)		510 (40)	580 (40)	770 (50)	900 (50)	1070 (63)	1230 (63)	1170 (80)	1220 (80)	1530 (108)	1590 (108)	1730 (108)



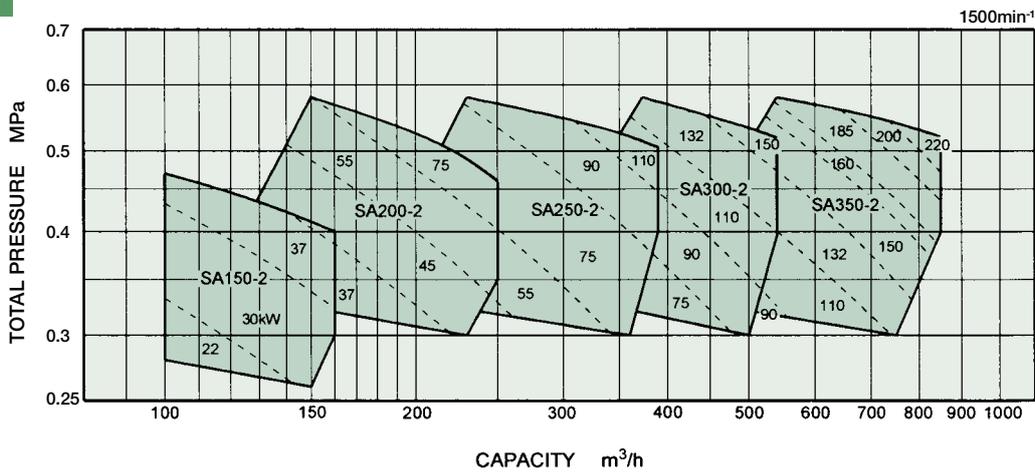
Weight refers to L = 2m. and increases as shown in bracket with 1m increases in L.

DESIGN & STANDARD MATERIALS

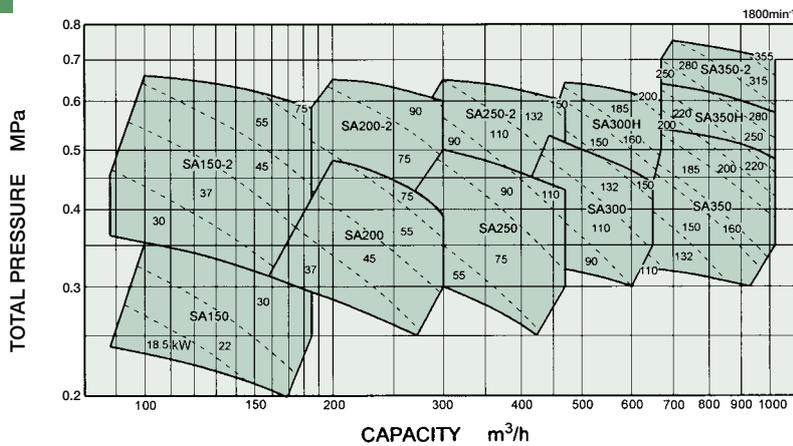
PART NO.	NAME OF PART	MATERIAL		REQ.NO. FOR 1 PUMP
		NAME	JIS	
1	VOLUTE CASING	CAST IRON	FC200	1
2	VOLUTE COVER	"	"	1
5	MOTOR BED	"	"	1
7	BEARING CASE	"	"	1
9	BEARING COVER	"	"	1
10	THROTTLE PIECE	BRONZE	CAC604	1
16	IMPELLER	PHOSPHOR BRONZE	CAC502A	1
18	IMPELLER SHAFT	Cr-Mo STEEL	SCM435	1
19	IMPELLER KEY	CARBON STEEL	S55C	1
20	COUPLING KEY	"	"	1
27	IMPELLER NUT	STEEL	SS400	1
29	WASHER	"	"	1
30	WASHER	STAINLESS STEEL	SUS304	1
34	BALL BEARING	SPECIAL STEEL		1
41	LINE BEARING	CARBON		1
49	COUPLING	DUCTILE CAST IRON	FCD400	1
50	COUPLING	"	"	1
61	BEARING NUT	STEEL	SS400B	1
70	SNAP RING	CARBON TOOL STEEL	SK5	1
140	DISCHARGE PIPE	STEEL	SS400	1
318	COUPLING BOLT & NUT	"	SS400B	1 SET
319	COUPLING RING	RUBBER		1 SET
358	OIL SEAL	"		1



50Hz

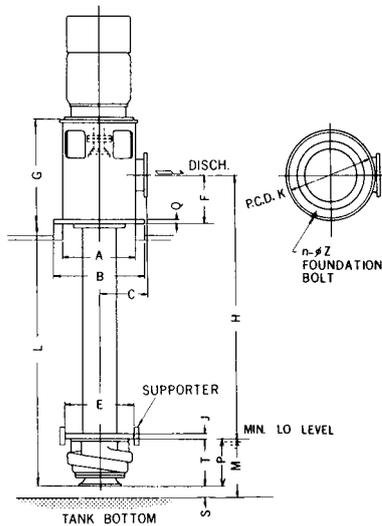


60Hz



The dotted lines in these charts show electric motor power under the following conditions:

1. Handling lube oil with a viscosity of 100cSt and a specific gravity of 0.9 at 40°C .
2. Capacity guarantee: 25.8 cSt
Power guarantee: 260 cSt



“S” & “M” in the following table shows standard dimensions. When L.O. tank height is selected by the customer, there is a possibility that one shaft length will be below 2500mm. In that case, the “S” and “M” will be changed with in a range of 1mm to 100mm.

mm				
Model	M	P	S	※L (reference)
SA 150(-2)	P + S	250	80	2217
SA 200(-2)		250	100	2045
SA 250(-2)		310	120	1951
SA 300		360	140	1946
SA 300H		360	140	1946
SA 350(-2)		400	170	1875
SA 350H		400	170	1875

※ L shows dimensions when the shaft length is 2500 mm.

mm												
Model	A	B	C	E	F	G	J	K	Q	T	Z	n
SA 150(-2)	480	640	330	470	200	578	25	590	30	375	25	8
SA 200(-2)	585	750	380	570	320	764	25	700	32	445	25	8
SA 250(-2)	650	850	430	620	320	790	25	790	35	407	25	12
SA 300	680	870	450	650	320	840	26	820	35	422	25	12
SA 300H	690	870	450	680	320	840	26	820	35	422	25	12
SA 350(-2)	730	940	480	700	350	955	30	880	35	580	25	12
SA 350H	740	940	480	730	350	955	30	880	35	580	25	12

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