



Mixed Flow Volute Pump

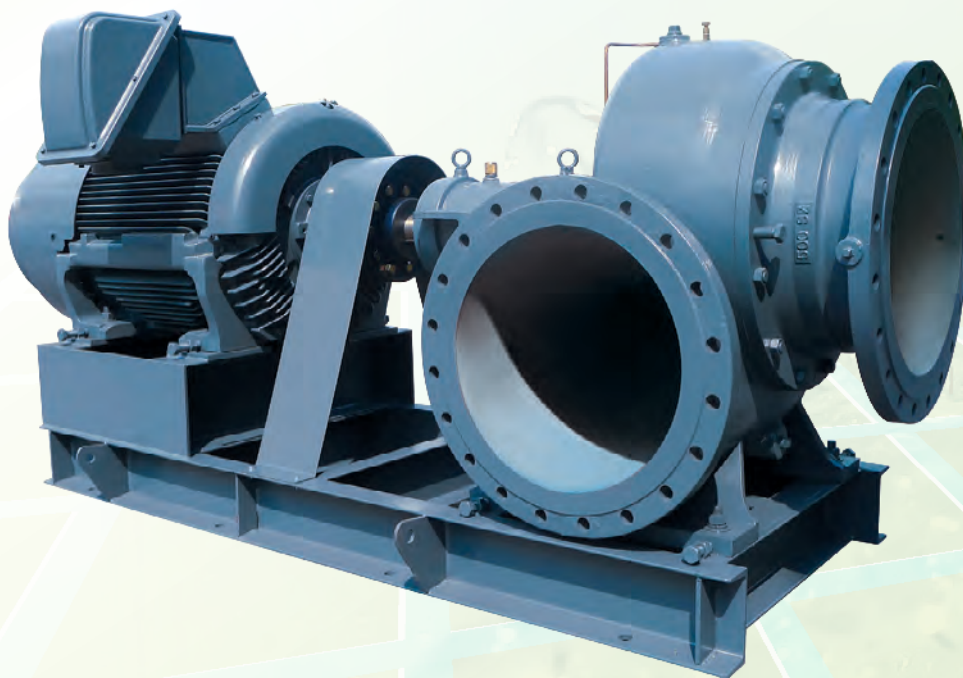
Type SZ

APPLICATIONS

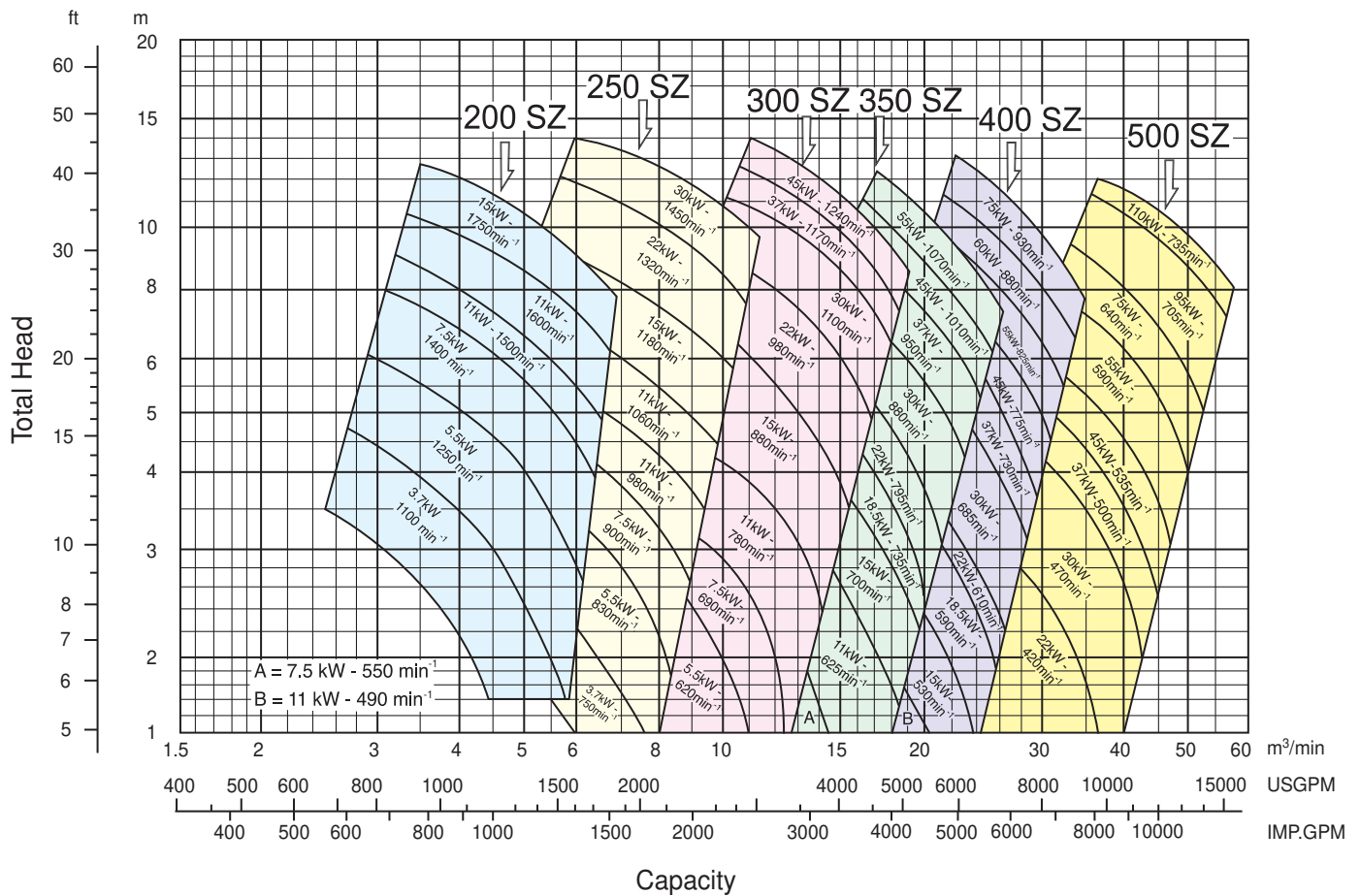
- Irrigation
- Industrial use
- Drainage
- Shrimp farming
- Flood control
- General purpose

FEATURES

- **Highly pump efficiency**
Extremely high efficiency rate of 80%. Thus relatively smaller driver required, reduces operating cost.
- **Trouble free operation**
Semi-open impeller permit free passage of solids, thus guarantees clog free operation.
- **Large capacity**
Unique pump design ensure pumping large volumn of water. Perfect for irrigation & flood control.
- **Simple disassembly and assembly**
Impeller can be easily inspected without removing driver. Simple to disassemble and assemble.



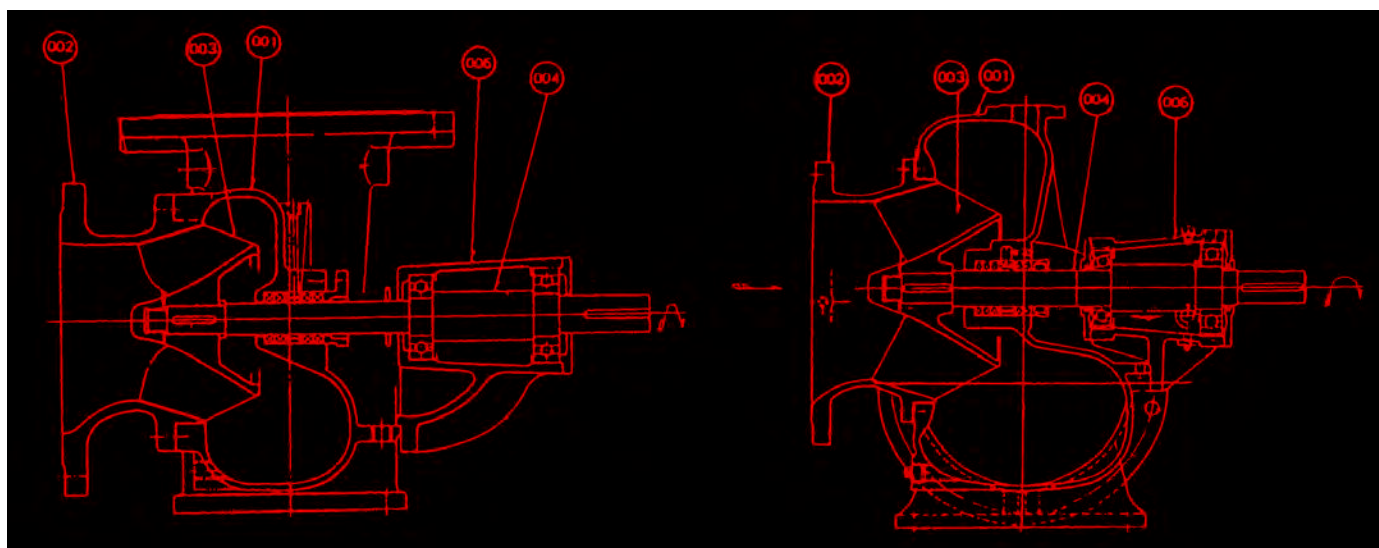
PERFORMANCE CHART



SPECIFICATIONS

Type	Horizontal shaft mixed flow volute pump
Impeller	Mixed flow open type
Rotation	Counter clockwise when viewed from end shaft coupling
Bearing	Ball bearing (seal ball bearing or oil bath type)
Flange	JIS 10kg/cm ²
Nozzle position	Standard 200 - 250 (side suction - top discharge) Standard 300 - 500 (side suction - side discharge) Optional 300 - 500 (side suction - top discharge)
Liquid	River water, fresh water
Temperature liquid	Below 80°C

SECTIONAL VIEW - BARE SHAFT PUMP

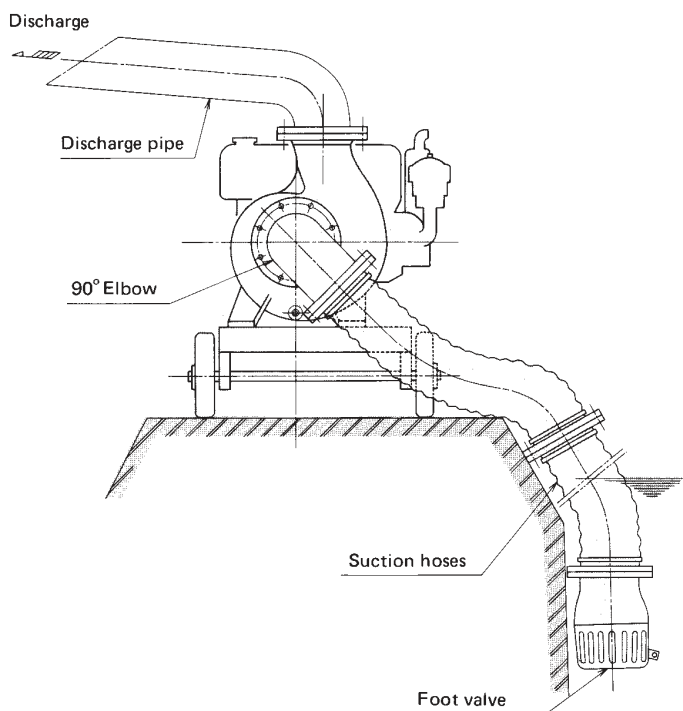


Size 200-350 mm

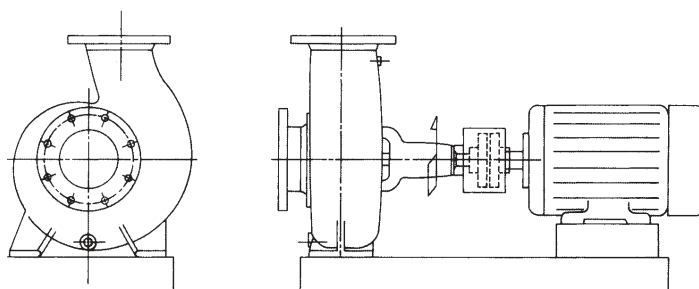
Size 300-500 mm

No.	Part Name	Material Standard	Qty/Unit
001	Casing	Cast iron (FC250)	1
002	Suction cover	Cast iron (FC250)	1
003	Impeller	Bronze (BC6)	1
004	Shaft	Stainless steel	1
005	Bearing housing	Cast iron (FC200)	1

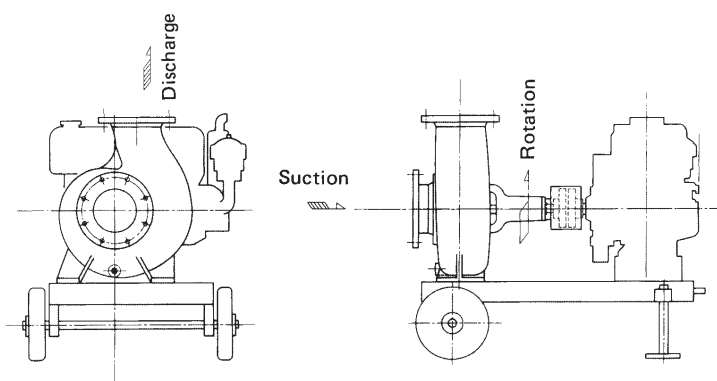
INSTALLATION EXAMPLE



Motor Drive

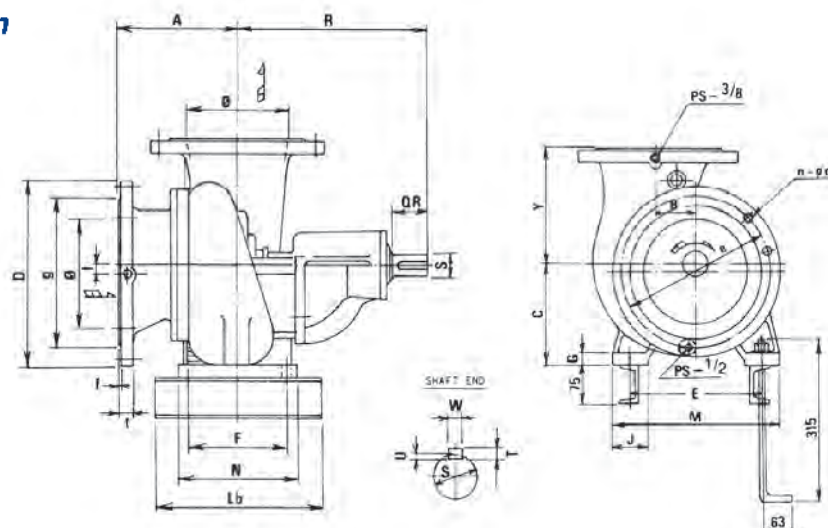


Diesel Engine Drive



DIMENSION

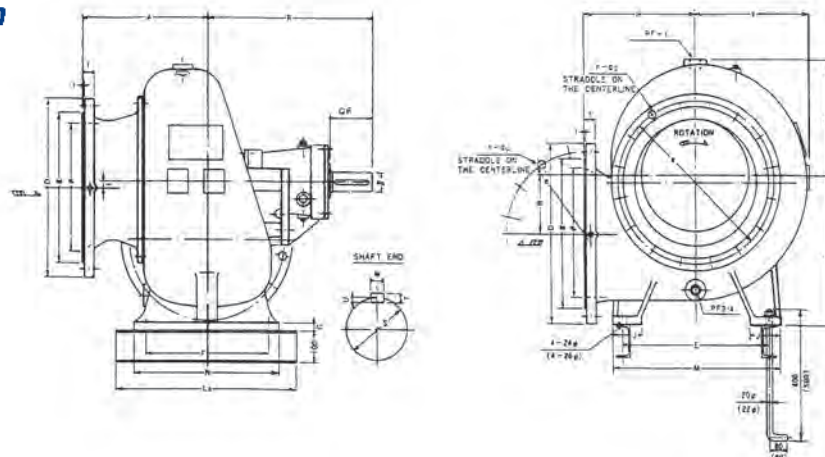
Size 200-350 mm



Unit : mm

Model	Pump Dimension													Flange Dimension							Shaft Dimensions					Pump Weight
	A	R	B	C	I	E	F	G	J	Lb	M	N	Y	Ø	D	g	e	n-d	t	f	S	QR	T	U	W	kg
200SZ	223.5	355	80	200	15	280	190	20	70	320	340	230	220	200 (8")	330	265	290	12 - 23	26	2	40	77	8	4.5	10	136
250SZ	288.5	380	100	240	15	330	235	22	80	380	400	280	260	250 (10")	400	325	355	12 - 23	30	2	40	78	8	4.5	10	145
300SZ	340	590	135	360	25	330	290	24	75	450	400	350	280	300 (12")	445	370	400	16 - 25	32	3	48	124	8	4.5	12	271
350SZ	390	680	155	350	20	430	350	26	105	550	520	420	330	340 (14")	490	415	445	16 - 25	34	3	55	153	8	4.5	12	325

Size 300-500 mm



Unit : mm

Model	Pump Dimension														Flange Dimension						Shaft Dimensions					Pump Weight kg	
	A	R	H	C	I	E	F	G	J	Lb	M	N	X	Y	Ø	D	g	e	n-d	t	f	S	QR	T	U		W
300SZ	340	590	280	360	25	330	290	24	75	450	400	350	280	257	300 (12")	445	370	400	16 - 25	32	3	48	124	8	4.5	12	220
350SZ	390	680	330	420	20	410	350	26	90	550	490	420	330	307	340 (14")	490	415	445	16 - 25	34	3	55	153	8	4.5	12	310
400SZ	430	770	370	470	25	490	410	28	100	600	570	480	381	364	400 (16")	560	475	510	16 - 27	36	3	65	180	10	5	15	497
500SZ	540	850	460	580	31	620	500	32	125	750	720	600	476	451	500 (20")	675	585	620	20 - 27	40	3	75	180	12	6	18	840

* Dimensional details are provided for reference only.

* All specifications are subject to change without prior notice.



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