

Self Priming Pump

Type SQPB

APPLICATIONS

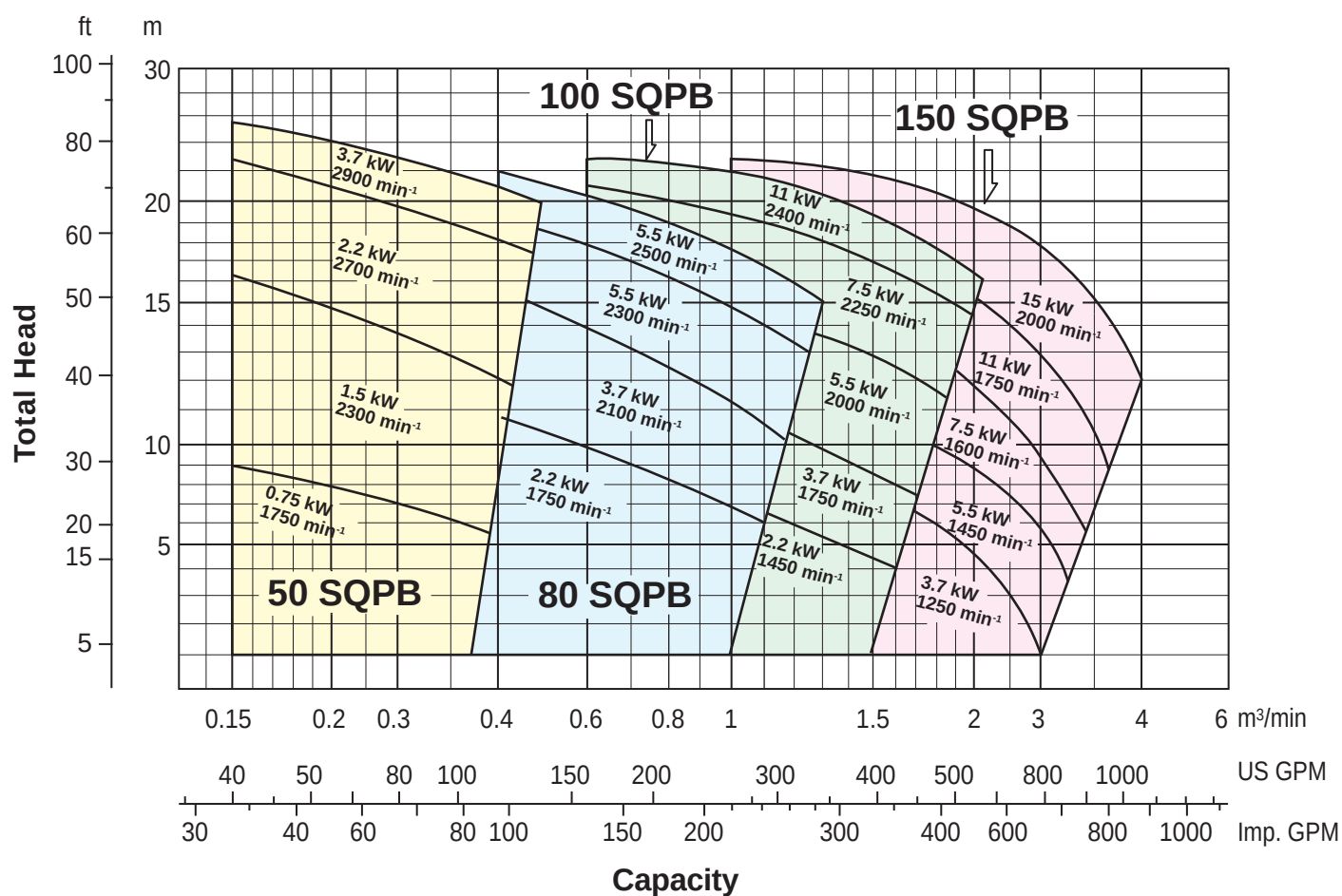
- Irrigation
- Drainage
- General purpose

FEATURES

- No priming is required except for initial use.
- Special design of casing provides very rapid priming for extended piping.
- Maintenance is facilitated due to packing type.
- Water mixed with a little sand or mud can be pumped up due to semi-open impeller design.
- Easy installation with engine for belt driven due to c.c.w rotation



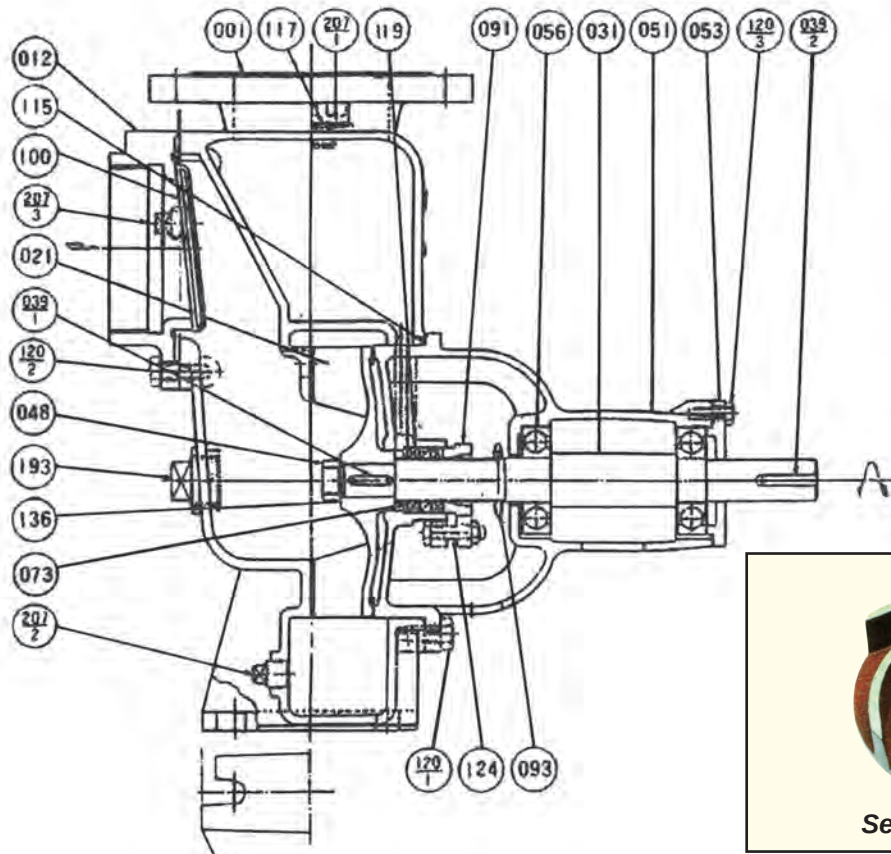
PERFORMANCE CURVE



SPECIFICATIONS

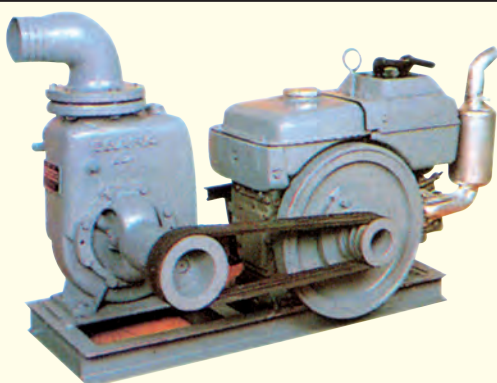
Description	Standard	Optional
Liquid	Fresh water, river water, rain water	Sea water
Temperatures	0~40°C	
Reg. NPSH	4m	
Rotation	Counter clockwise when viewed from drive end	
Installations	Outdoors	
Materials		
Casing	Cast iron	Bronze
Impeller	Cast iron	Bronze
Shaft	Carbon steel	Stainless steel
Construction		
Impeller	Semi-open	
Stuffing box	Packing	
Bearing	Sealed ball bearing	
Accessories	Strainer, Discharge Elbow, Hose Clamp, Suction Hose Nipple, Standard V - Pulley	

SECTIONAL VIEW



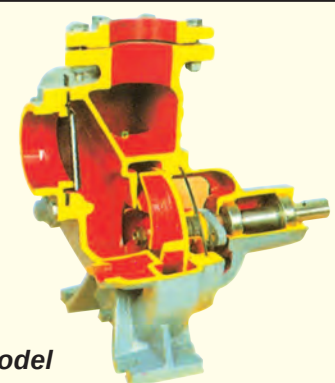
Part No	Part Name	Material	No. For 1 Unit	Part No	Part Name	Material	No. For 1 Unit
207 - 3	Plug	Cast Iron	1	093	Deflector	NBR	1
207 - 2	Drain Plug	Cast Iron	1	091	Gland	Cast Iron	1
207 - 1	Priming Plug	Plastic	1	073	Stage Piece	Steel	1
193	Plug	Cast Iron	2	056	Ball Bearing	-	2
136	Washer	Brass	1	053	Bearing Cover	Cast Iron	1
124	Gland Bolt And Nut	Steel	1	051	Bearing Housing	Cast Iron	1
120 - 3	Bolt	Steel	2	048	Impeller Nut	Brass	1
120 - 2	Suction Cover Bolt	Steel	3	039 - 2	Key	Carbon Steel	1
120 - 1	Casing Bolt	Steel	4	039 - 1	Key	Carbon Steel	1
119	Gland Packing	Asbestos	3	031	Shaft	Carbon Steel	1
117	Gasket	Rubber	1	021	Impeller	Cast Iron	1
115	O-ring	NBR	1	012	Suction Cover	Cast Iron	1
100	Check Valve	Rubber	1	001	Casing	Cast Iron	1

OTHER



Pump Coupled With Engine

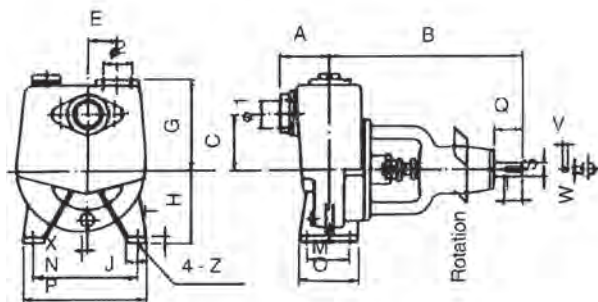
* This picture doesn't show belt cover.
(for safety belt cover should be install)



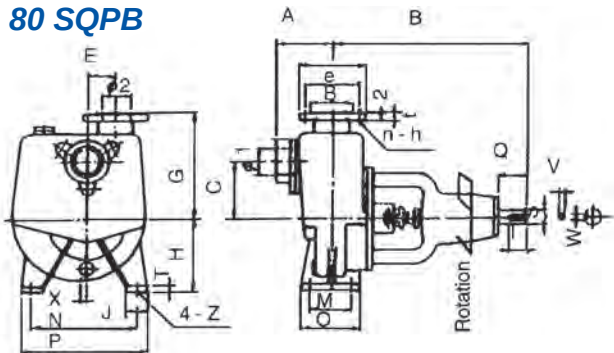
Cut Model

DIMENSION

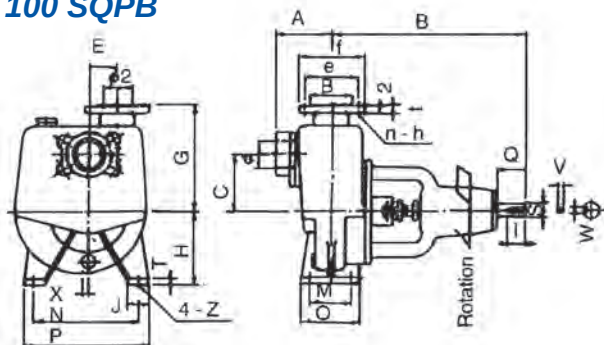
50 SQPB



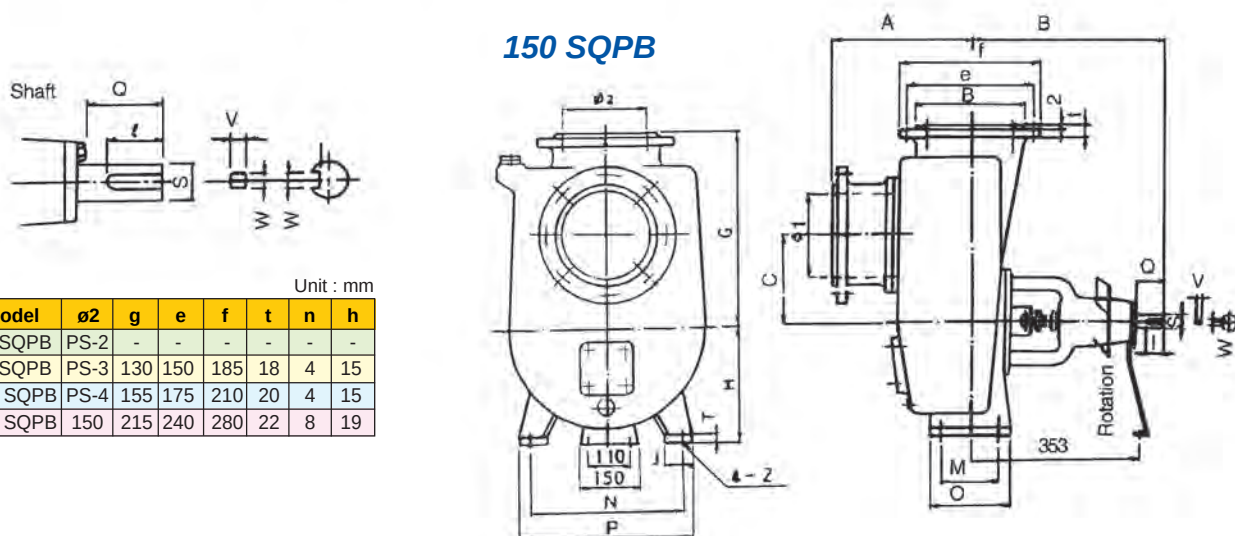
80 SQPB



100 SQPB



150 SQPB



Unit : mm

Model	ø2	g	e	f	t	n	h
50 SQPB	PS-2	-	-	-	-	-	-
80 SQPB	PS-3	130	150	185	18	4	15
100 SQPB	PS-4	155	175	210	20	4	15
150 SQPB	150	215	240	280	22	8	19

Unit : mm

Model	Pump													Shaft End							Weight {Mass} kg
	ø1	A	B	C	E	G	H	J	T	M	N	O	P	X	Z	S	Q	I	V	W	
50 SQPB	PS-2	100	240	100	40	165	112	35	10	50	150	80	180	0	12	19	34	27	6	6	17
80SQPB	PS-3	120	275	120	25	225	132	40	12	70	190	100	230	10	12	24	50	40	8	7	27
100 SQPB	PS-4	130	330	155	25	275	160	50	12	100	230	140	280	20	15	28	55	50	8	7	42
150 SQPB	150	280	470	180	-	400	225	80	16	120	315	160	400	-	19	32	80	68	8	10	130

Note : Motor specifications: Three phase induction motor, totally enclosed fan cooled.

* Dimensional details are provided for reference only.

* All specifications are subject to change without prior notice.

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