



EBARA

Quality System
TSA GLOBAL
ISO 9001 : 2000
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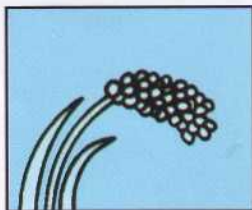
SQPB-8002-R1

SELF PRIMING PUMP

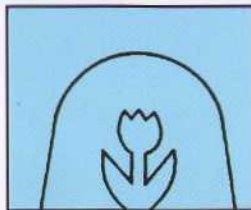
MODEL SQPB



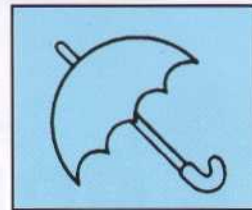
APPLICATIONS



Irrigation



Drainage



Sprinklers

FEATURES

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

SPECIFICATION MODEL SQPB

DESCRIPTION	STANDARD	OPTION
Liquid	Fresh Water, River Water Rain Water	Sea Water
Temperature	0 - 40°C	
Reg. NPSH	4m	
Rotation	Counter clock wise when viewed from drive end	
Instalation	Outdoors	
Material		
- Casing	Cast Iron	Bronze
- Impeller	Cast Iron	Bronze
- Shaft	Carbon Steel	Stainless Steel
Contruccion		
- Impeller	Semi Open	
- Stuffing Box	Packing	
- Bearing	Sealed Ball Bearing	
Accessories	Strainer, Discharge elbow, Hose Clamp, Suction Hose Nipple Standard V - Pulley	

SELECTION OF THE PUMP CALCULATION FOR PADDY FIELD

Water consumption of pady field is 60 l/min/Ha

Example :

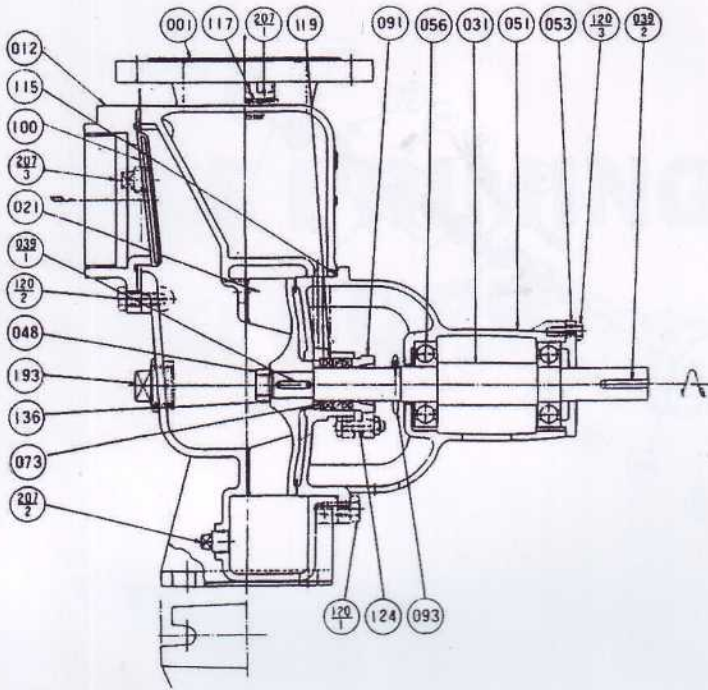
- Paddy Field : 5 Ha
(what is the model of pump?)
- Pump head : 10 m

Result :

- Water consumption (Q) : 5 Ha x 60 l/min/Ha
: 300 l/min = 0.3 m³/min

The Pump Model is 50 SQPB

SECTIONAL VIEW



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



Semi Open Impeller

OTHER



CUT MODEL

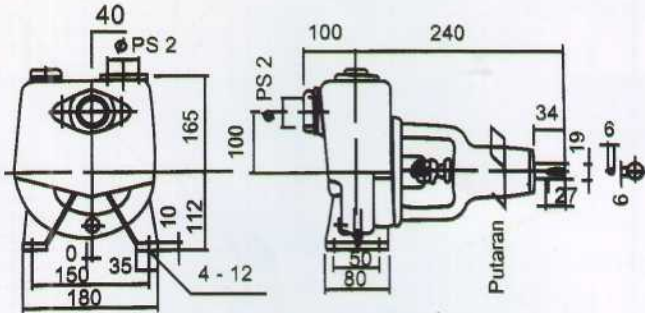


PUMP COUPLED WITH ENGINE

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

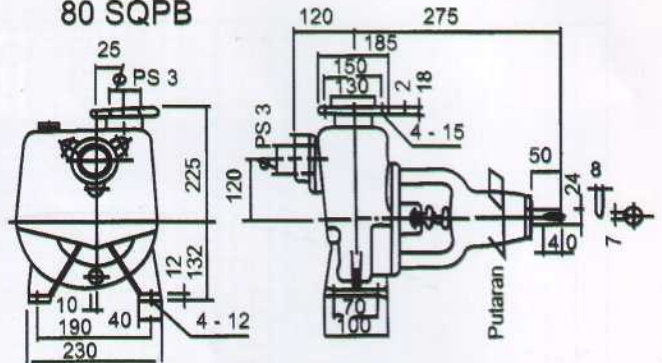
BARE SHAFT PUMP DIMENSION

50 SQPB



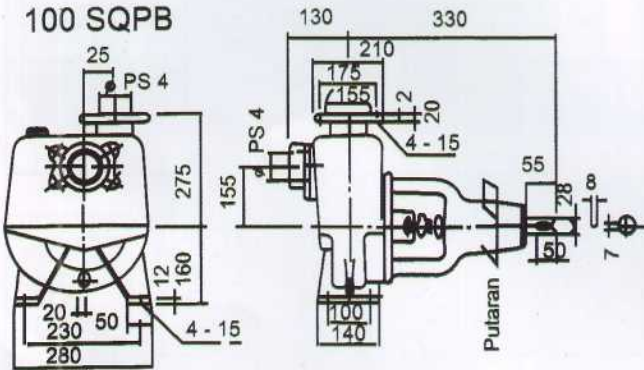
Weight : (17,8 kg)

80 SQPB



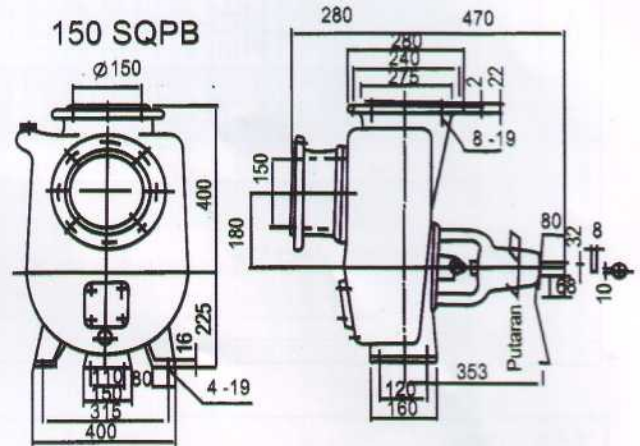
Weight : (27,8 kg)

100 SQPB

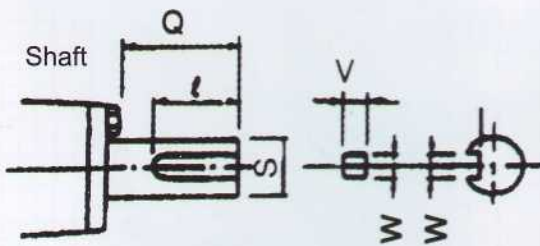


Weight : (42,8 kg)

150 SQPB



Weight : (130,8 kg)



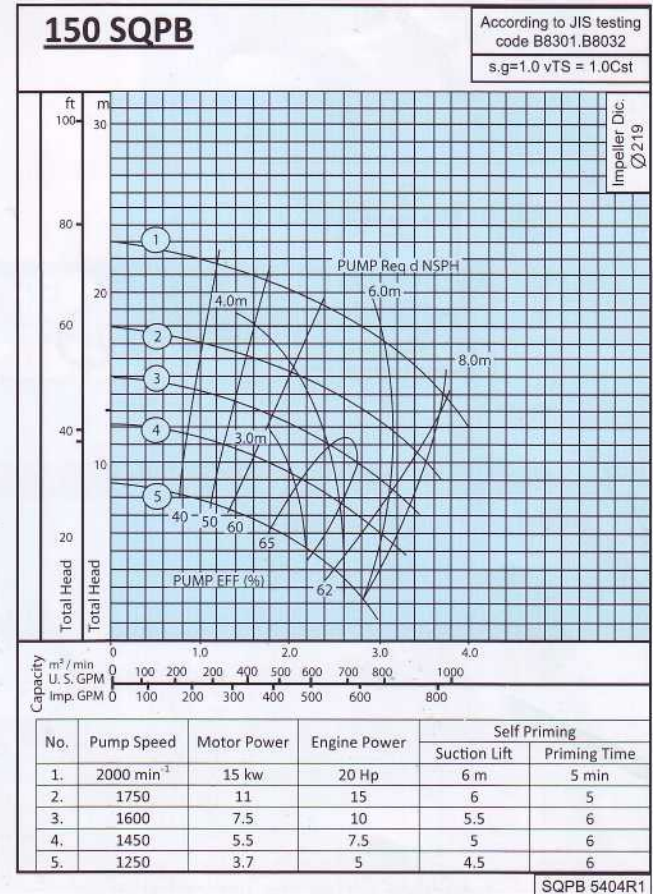
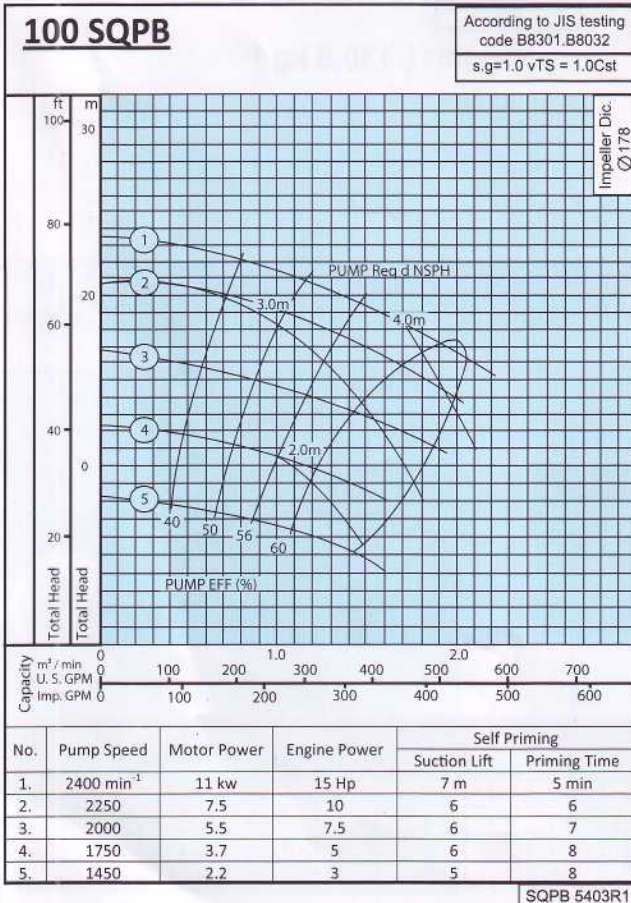
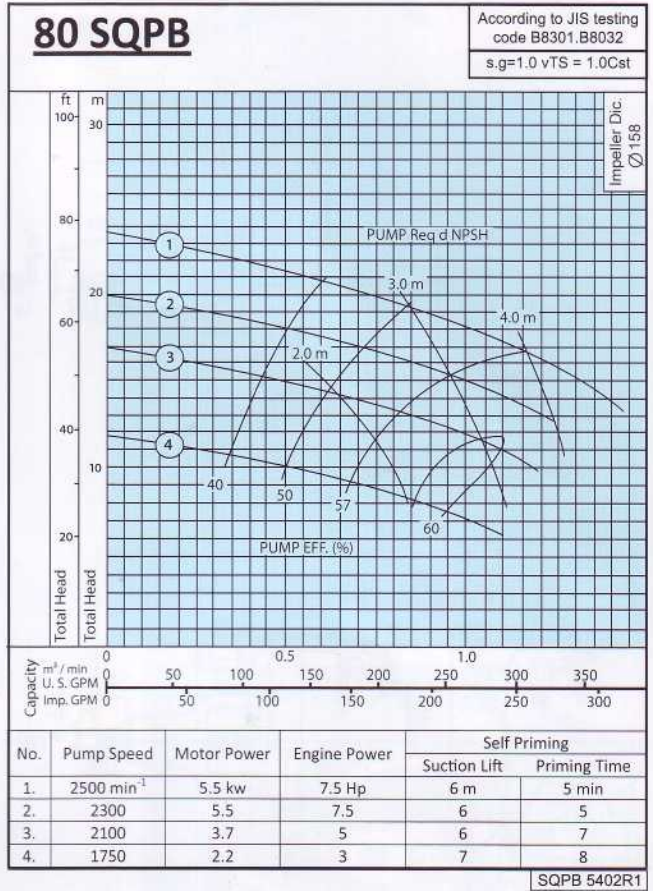
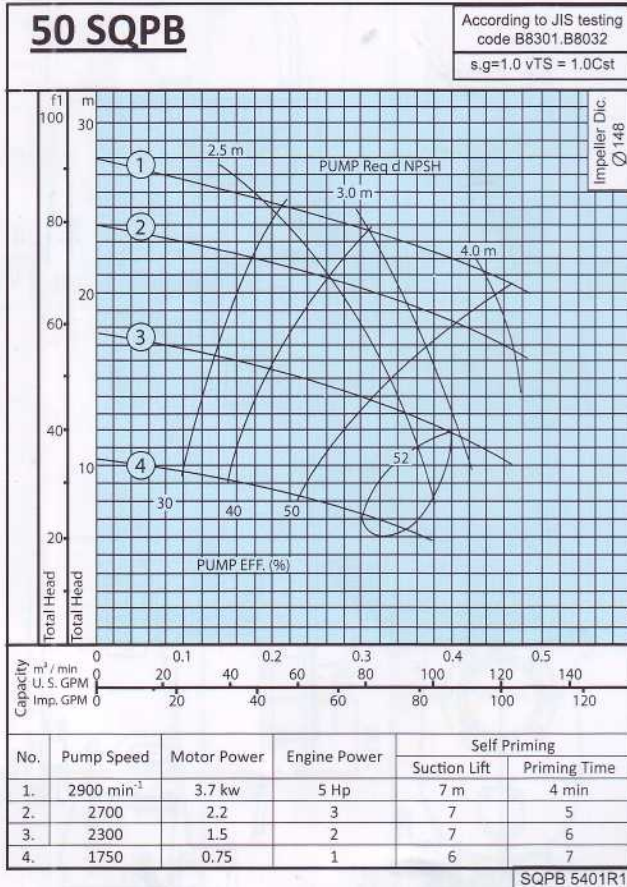
Unit : mm

MODEL	Ø 2	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

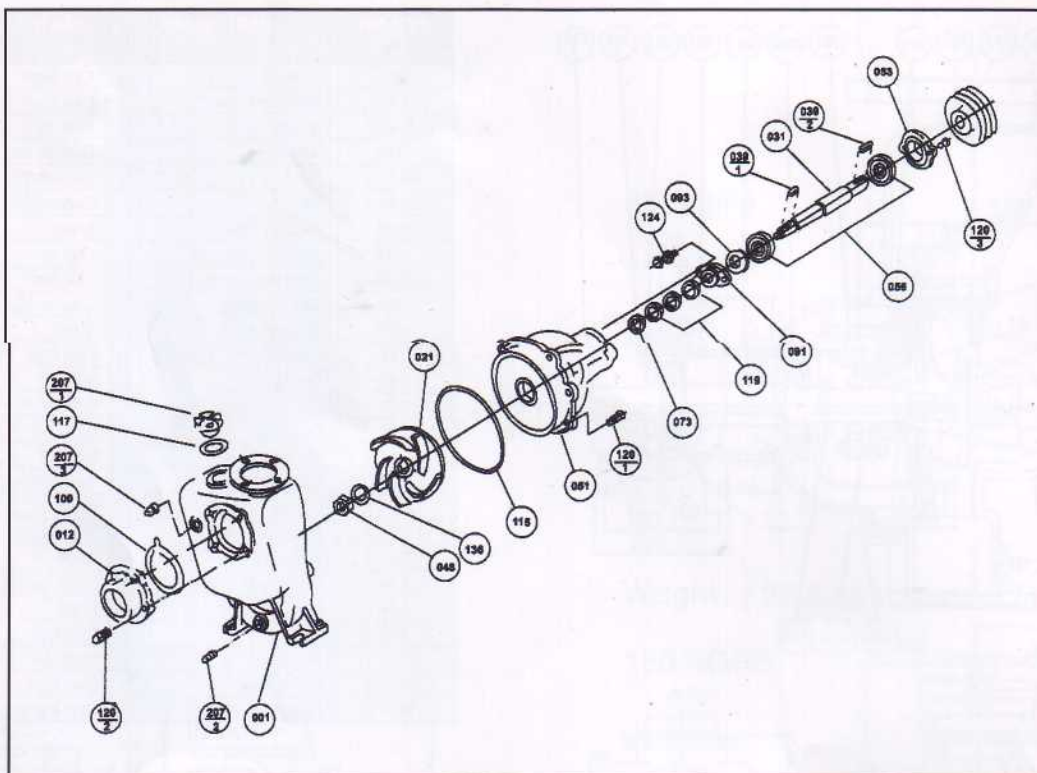
Unit : mm

MODEL	PUMP															SHAFT END					Weight Mass (Kg)
	Ø 1	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
80 SQPB	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

PERFORMANCE CURVE



DISASSEMBLY



MODEL : 100 SQPB



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