


SELF-PRIMING NON-CLOGGED SEWAGE PUMPS



SEP SERIES



SHINDO HAS
CONSTANTLY
DEVELOP
THE CREDIBILITY
TO SERVE THE
INDUSTRY
EFFICIENTLY.

SHINDO IS COMMITTED TO PROVIDE HIGH VALUE-ADDED PRODUCTS IN MINIMUM LEAD-TIME AND AT COST EFFECTIVE PRICING, TO HELP CUSTOMERS ACHIEVE ZERO DOWNTIME, PRODUCTION TARGET AND HELP ENHANCE A SAFER ENVIRONMENT.



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PAGE CONTENTS

01	APPLICATION PRODUCT DATA
02	MODEL CODE
03	SELECTION CHART
04	PERFORMANCE TABLE
05	PERFORMANCE TABLE (CONT.)

APPLICATION

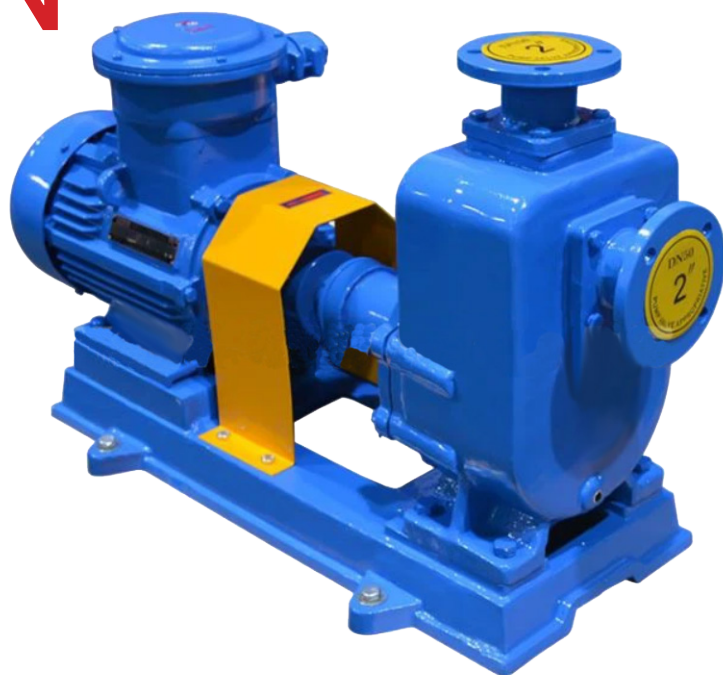
& BRIEF INTRODUCTION

SHINDO SEP SERIES ARE SINGLE STAGE, SELF-PRIMING, NON-CLOGGED SEWAGE CENTRIFUGAL PUMPS. IT COMBINED THE SELF-PRIMING AND NON-CLOGGED SEWAGE INTO AN WHOLE USING THE AXIAL BACK MIXING TYPE AND THROUGH THE UNIQUE DESIGN OF FLOW CHANNEL OF THE PUMP BODY AND IMPELLER.

SHINDO SEP SERIES PACKED WITH GOOD FEATURES SUCH AS SIMPLE STRUCTURE, GOOD SELF-PRIMING PERFORMANCE, HIGH EFFICIENCY, STRONG SEWAGE CAPABILITY, CONVENIENT USAGE, EASY MAINTENANCE AND ENERGY SAVING.

SEP SERIES ABLE TO HANDLE LIQUID WITH LARGER PARTICLES SOLID AND LONG FIBER IMPURITIES IN WHICH WITH THIS CAPABILITY IT CAN BE WIDELY USED IN VARIOUS APPLICATIONS SUCH AS:

- MUNICIPAL WATER SUPPLY
- CLASSIFICATION AND TRANSPORTATION OF SEWAGE FROM MUNICIPAL SEWAGE TREATMENT PLANT
- SEWAGE TRANSPORTATION FROM HOSPITAL, HOTEL, COMMERCIAL BUILDINGS ETC.
- TRANSPORTATION CONTAMINATED WATER FROM FACTORY
- POND FARMING SLUDGE CLEANING



PRODUCT DATA

■ PUMP SUCTION/DISCHARGE SIZE

MAXIMUM SIZE OF SEP SERIES IS UP TO 300MM (DN300).

■ FLOWRATE (Q)

MAXIMUM FLOWRATE OF SEP SERIES IS UP TO 1200M³/HR.

■ HEAD (H)

MAXIMUM HEAD OF SEP SERIES IS UP TO 100M.

■ MATERIAL OF CONSTRUCTION

CASING = CAST IRON/STAINLESS STEEL
IMPELLER = CAST IRON/STAINLESS STEEL
SHAFT = CAST IRON/STAINLESS STEEL

■ LIQUID TEMPERATURE

MAXIMUM LIQUID TEMPERATURE THAT CAN BE HANDLED BY SEP SERIES IS UP TO +80°C.

■ AMBIENT TEMPERATURE

MAXIMUM AMBIENT TEMPERATURE IS +50°C.

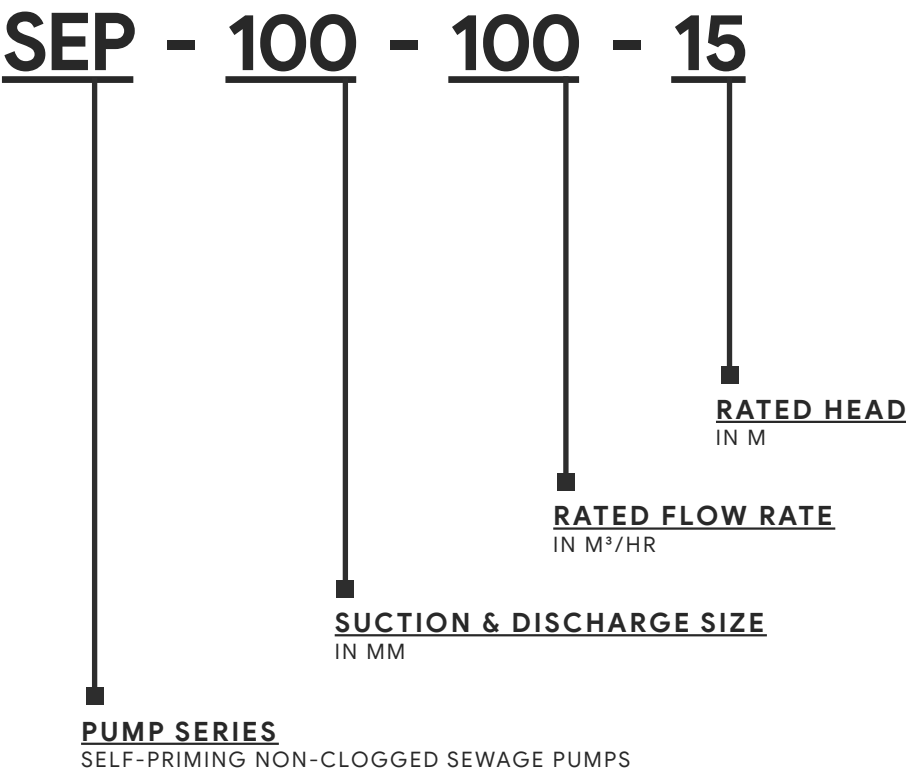
■ MEDIUM pH VALUE

CAST IRON = 6-9; STAINLESS STEEL = 2-13

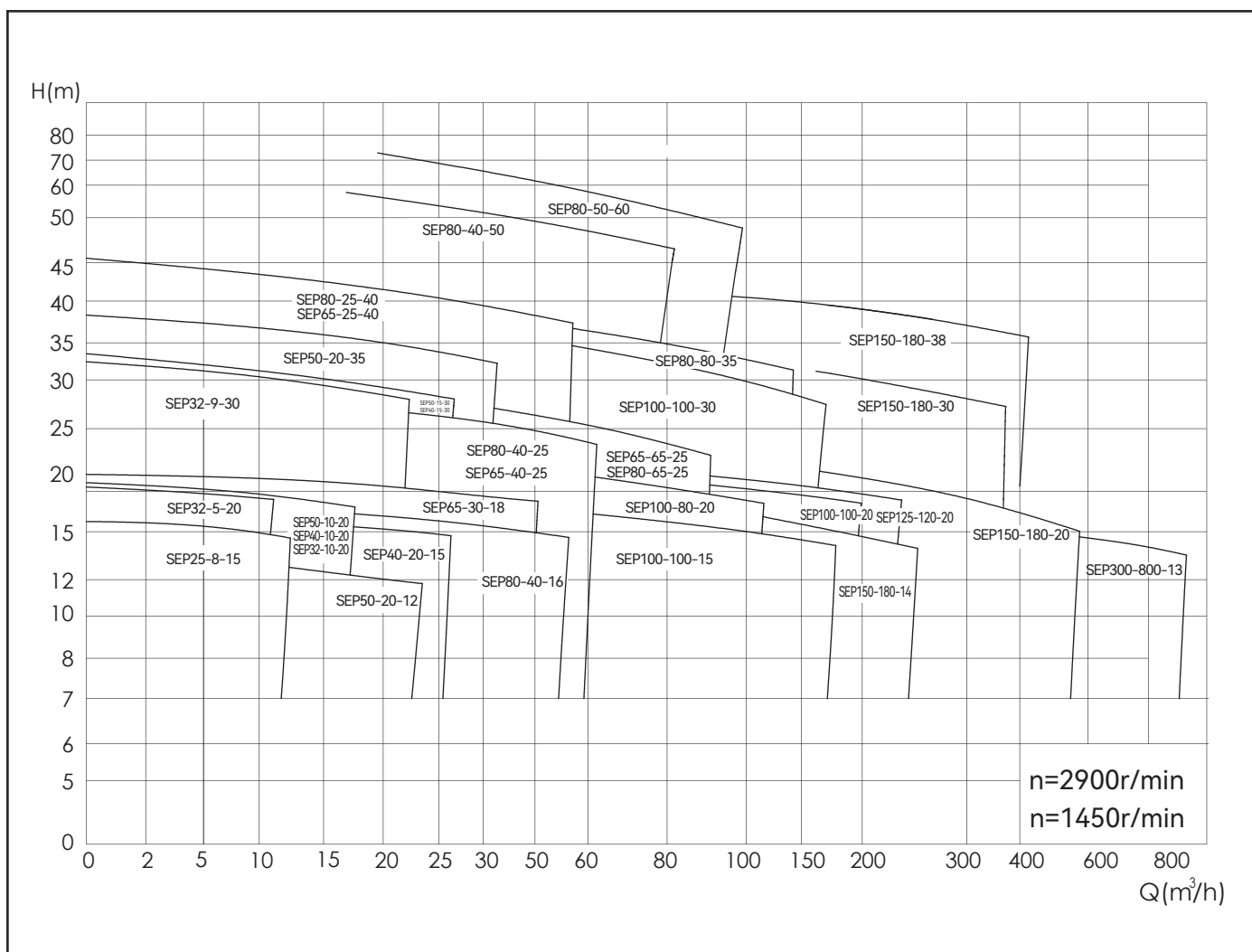
■ SUCTION LIFT

THE RANGE OF MAXIMUM SUCTION LIFT OF SEP SERIES IS FROM 4.5-7M

MODEL CODE



SELECTION CHART



PERFORMANCE TABLE

No.	Model	Flow Rate (m ³ /hr)	Head (m)	Efficiency (%)	Power (kW)	Speed (r/min)	NPSH (m)	Self-Priming Height (m)	Self-Priming Time (S/5m)	Est. Weight (kg)
1	SEP25-8-15	8	15	45	2.2	2900	2.0	5.5	180	100
2	SEP32-5-20	5	20	45	2.2	2900	2.5	5.5	180	100
3	SEP32-10-20	10	20	45	2.2	2900	2.5	5.5	180	100
4	SEP32-9-30	9	30	48	3	2900	2.5	5.5	180	120
5	SEP40-10-20	10	20	45	2.2	2900	2.5	5.5	180	100
6	SEP40-20-15	20	15	45	2.2	2900	2.5	5.5	180	100
7	SEP40-15-30	15	30	48	3	2900	2.5	5.5	180	120
8	SEP50-10-20	10	20	45	2.2	2900	2.5	5.5	180	100
9	SEP50-20-12	20	12	45	2.2	2900	2.5	5.5	180	100
10	SEP50-15-30	15	30	48	3	2900	2.5	5.5	180	120
11	SEP50-20-35	20	35	48	5.5	2900	2.5	5.5	180	150
12	SEP65-30-18	30	18	45	4	1450	2.5	5.5	180	200
13	SEP65-25-30	25	30	50	5.5	2900	3.0	5.5	180	200
14	SEP65-25-40	25	40	50	7.5	2900	3.0	5.5	120	200
15	SEP65-40-25	40	25	50	7.5	1450	3.0	5.5	120	200
16	SEP65-65-25	65	25	52	11	2900	3.0	5.5	120	240
17	SEP80-40-16	40	16	50	4	1450	3.0	5.0	180	240
18	SEP80-40-25	40	25	50	7.5	1450	3.0	5.5	120	200
19	SEP80-25-40	25	40	50	7.5	2900	3.0	5.5	120	200
20	SEP80-65-25	65	25	52	11	2900	3.0	5.5	120	240
21	SEP80-80-35	80	35	45	15	2900	3.0	5.5	180	285
22	SEP80-50-60	50	60	55	22	2900	3.0	5.0	180	340
23	SEP100-100-15	100	15	50	7.5	1450	4.0	5.5	180	300
24	SEP100-80-20	80	20	53	7.5	1450	4.0	5.5	180	300
25	SEP100-100-20	100	20	53	11	1450	4.0	5.5	180	340
26	SEP100-100-30	100	30	53	22	1450	4.5	5.5	120	510
27	SEP125-120-20	120	20	55	15	1450	4.5	5.5	120	500
28	SEP150-180-14	180	14	60	15	1450	5.0	5.5	210	500
29	SEP150-180-20	180	20	60	22	1450	5.0	5.0	180	570
30	SEP150-180-30	180	30	65	37	1450	5.0	5.0	180	680
31	SEP150-180-38	180	38	45	55	1450	5.0	6.0	210	800
32	SEP200-300-60	300	60	68.1	90	1450	3.0	7.0	120	1030
33	SEP200-350-8	350	8	63.6	15	960	3.0	5.0	120	580
34	SEP200-350-11	350	11	70.9	18.5	960	3.0	5.5	120	620
35	SEP200-350-13	350	13	70.4	22	1450	3.0	5.5	120	620
36	SEP200-350-17	350	17	67.6	30	1450	3.0	6.0	120	710
37	SEP200-350-22	350	22	66.7	37	1450	3.0	6.5	120	820
38	SEP200-350-28	350	28	69.8	45	1450	3.0	6.5	120	850
39	SEP200-350-35	350	35	71.4	55	1450	3.0	7.0	120	920
40	SEP200-350-42	350	42	66.8	75	1450	3.0	7.0	120	980
41	SEP200-350-50	350	50	66.2	90	1450	3.0	7.0	120	1030
42	SEP200-350-60	350	60	65	110	1450	3.0	7.0	120	1120

No.	Model	Flow Rate (m³/hr)	Head (m)	Efficiency (%)	Power (kW)	Speed (r/min)	NPSH (m)	Self-Priming Height (m)	Self-Priming Time (S/5m)	Est. Weight (kg)
43	SEP200-400-9	400	9	66.3	18.5	960	3.0	5.0	120	620
44	SEP200-400-11	400	11	68.1	22	960	3.0	5.5	120	710
45	SEP200-400-15	400	15	68.1	30	1450	3.0	6.0	120	710
46	SEP200-400-20	400	20	69.3	37	1450	3.0	6.5	120	820
47	SEP200-400-25	400	25	71.2	45	1450	3.0	6.5	120	850
48	SEP200-400-30	400	30	69.9	55	1450	3.0	7.0	120	920
49	SEP200-400-40	400	40	68.4	75	1450	3.0	7.0	120	980
50	SEP200-400-48	400	48	68.4	90	1450	3.0	7.0	120	1030
51	SEP200-400-55	400	55	64.1	110	1450	3.0	7.0	120	1120
52	SEP200-400-65	400	65	63.1	132	1450	3.0	7.0	120	1160
53	SEP250-500-12	500	12	64.1	30	960	4.0	5.5	150	1070
54	SEP250-500-15	500	15	65	37	1450	4.0	6.0	150	1070
55	SEP250-500-20	500	20	71.2	45	1450	4.0	6.0	150	1110
56	SEP250-500-25	500	25	72.9	55	1450	4.0	6.5	150	1220
57	SEP250-500-30	500	30	64.1	75	1450	4.0	6.5	150	1310
58	SEP250-500-35	500	35	62.3	90	1450	4.0	6.5	150	1360
59	SEP250-500-40	500	40	71.2	90	1450	4.0	6.5	150	1360
60	SEP250-600-10	600	10	64.1	30	960	4.0	5.5	150	1070
61	SEP250-600-13	600	13	67.6	37	1450	4.0	6.0	150	1070
62	SEP250-600-16	600	16	68.4	45	1450	4.0	6.0	150	1110
63	SEP250-600-22	600	22	76.9	55	1450	4.0	6.5	150	1220
64	SEP250-600-27	600	27	69.2	75	1450	4.0	6.5	150	1310
65	SEP250-600-32	600	32	68.4	90	1450	4.0	6.5	150	1360
66	SEP250-600-40	600	40	69.9	110	1450	4.0	6.5	150	1450
67	SEP250-600-48	600	48	69.9	132	1450	4.0	6.5	150	1450
68	SEP250-600-55	600	55	66.1	160	1450	4.0	6.5	150	1550
69	SEP300-800-10	800	10	69.3	37	960	5.0	5.5	150	1260
70	SEP300-800-13	800	13	74.1	45	960	5.0	5.5	150	1350
71	SEP300-800-16	800	16	74.6	55	960	5.0	5.5	150	1390
72	SEP300-800-20	800	20	68.4	75	1450	5.0	6.0	150	1350
73	SEP300-800-26	800	26	74.1	90	1450	5.0	6.5	150	1390
74	SEP300-800-32	800	32	74.6	110	1450	5.0	6.5	150	1480
75	SEP300-800-37	800	37	71.9	132	1450	5.0	6.5	150	1520
76	SEP300-800-42	800	42	67.3	160	1450	5.0	6.5	150	1580
77	SEP300-1000-8	1000	8	69.3	37	960	5.0	5.5	150	1260
78	SEP300-1000-10	1000	10	71.2	45	960	5.0	5.5	150	1350
79	SEP300-1000-12	1000	12	69.9	55	960	5.0	6.0	150	1390
80	SEP300-1000-16	1000	16	68.4	75	1450	5.0	6.0	150	1350
81	SEP300-1000-20	1000	20	71.2	90	1450	5.0	6.5	150	1390
82	SEP300-1000-25	1000	25	72.9	110	1450	5.0	6.5	150	1480
83	SEP300-1000-30	1000	30	72.9	132	1450	5.0	6.5	150	1520
84	SEP300-1000-35	1000	35	70.1	160	1450	5.0	6.5	150	1580

