



SUBMERSIBLE PUMPS & MOTORS

SGS SERIES (60 Hz)
North America



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INTRODUCTION

Shakti 4ss pumps series is a robust 4" pumps designed for long life operation, it is built mainly in a special Floating type impeller the design is to enhance the overall performance of pumps.

The optimal design of impeller and diffuser enables the best possible hydraulic efficiency. Built-in check valve prevents back flow and reduces the risk of water hammering. All vital components of these pumps are made up of corrosive resistance thermoplastic and the shaft is of SS 304.

FEATURES

- Simple installation and maintenance free
- Pump impellers are floating type.
- High efficiency design for low operation cost.
- Longer and trouble free life
- Wide hydraulic range.

APPLICATIONS

- Domestic & Residential water supply
- Gardening and Small Farm Irrigation
- Washing systems
- Civil Applications use.
- Fountains

MATERIAL SPECIFICATION

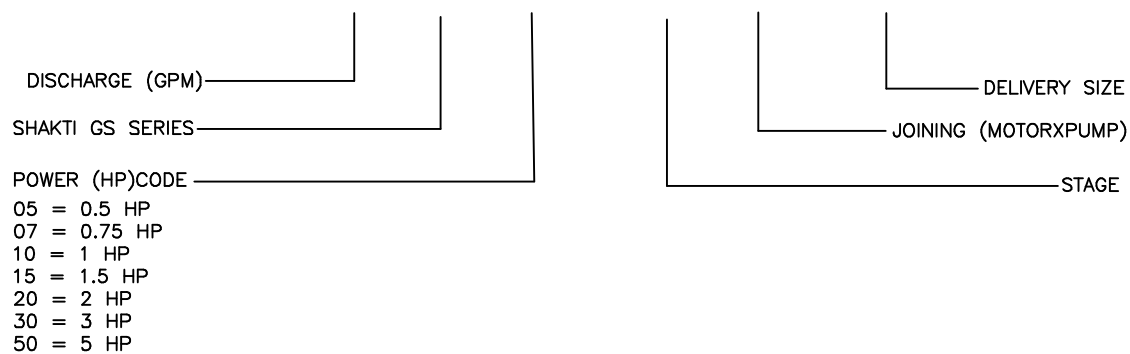
Components	Material
Pump Outer Sleeve	AISI SS 304
Discharge Casing	AISI SS 304
Suction Casing	AISI SS 304
Diffuser	Noryl (PC)
Impeller	Noryl (POM)
Pump Shaft	AISI SS 304
Shaft Coupling	AISI SS 304
Wear Ring	AISI SS 304

IDENTIFICATION



TYPE KEY

PUMP 13SGS05 - 4 (4x4)1.25" NPT



Performance Curve and Technical Data

4 Inch Submersibles

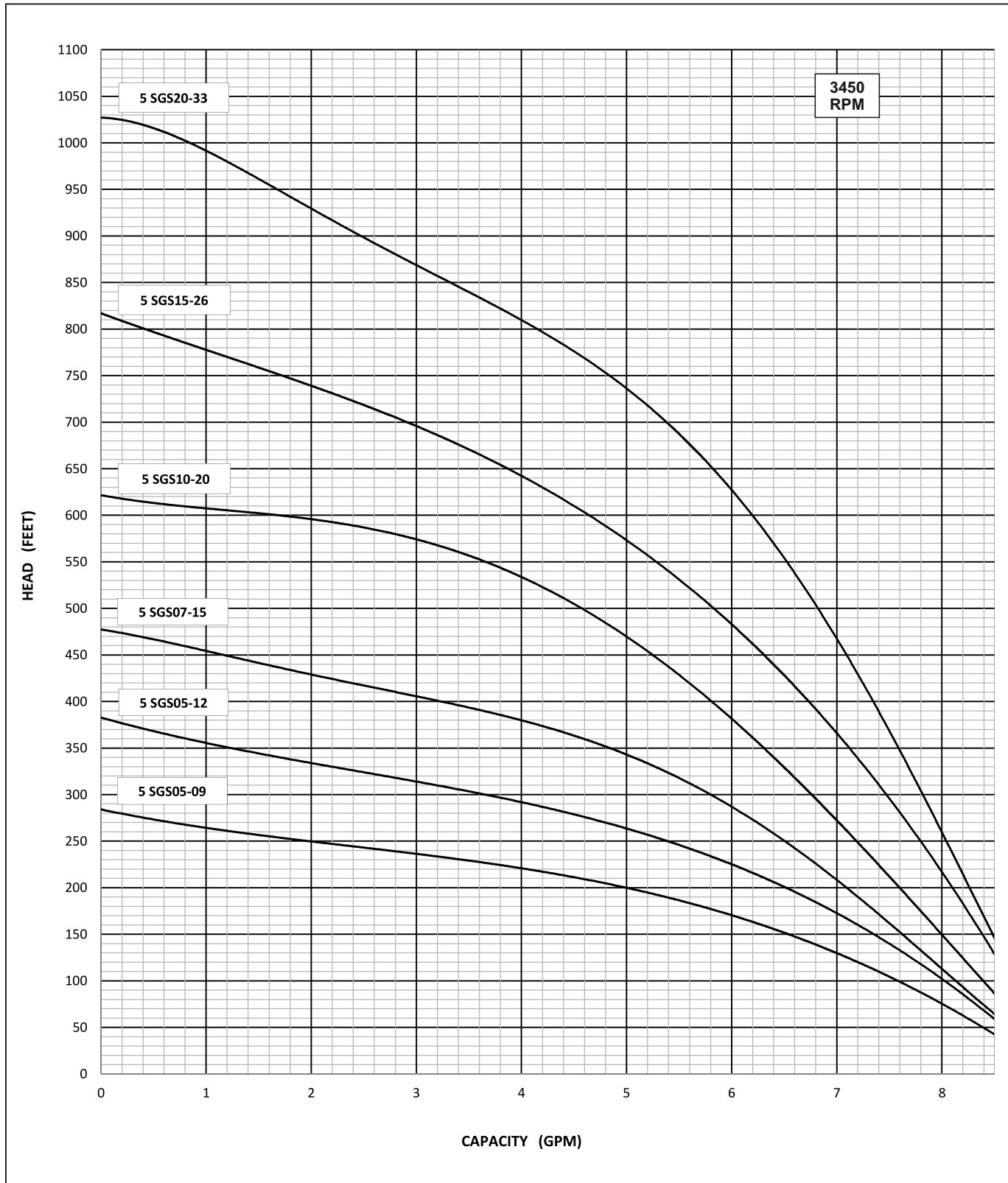


PERFORMANCE CURVE



SUBMERSIBLE PUMPS 5 SGS

5 GPM



Specifications subject to change without notice.
4" Motor Standard, 3450 RPM

Performance conforms to ISO 9906 annex A

SUBMERSIBLE PUMPS 5 SGS

5 GPM

Dimensions and Weights:-

2 WIRE

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT) Rp	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
5SGS05- 9	A	0.5	4"	1	1.25"	28.7	13.5	15.2	3.8	3.9	6.1	23.0
5SGS05- 12	A	0.5	4"	1	1.25"	30.7	13.5	17.2	3.8	3.9	7.0	23.0
5SGS07- 15	A	0.75	4"	1	1.25"	33.9	14.6	19.3	3.8	3.9	8.0	25.5
5SGS10- 20	A	1	4"	1	1.25"	39.6	15.5	24.1	3.8	3.9	10.2	27.6
5SGS15- 26	A	1.5	4"	1	1.25"	45.6	17.4	28.2	3.8	3.9	12.7	32.7

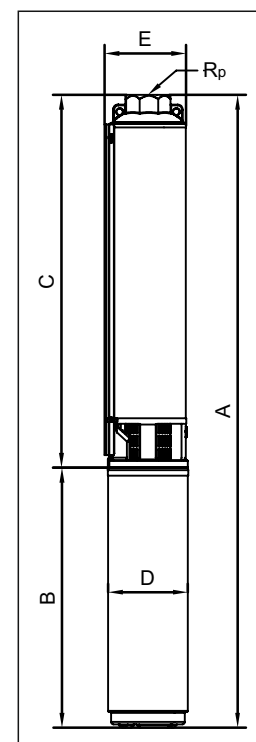


FIG. A

3 WIRE

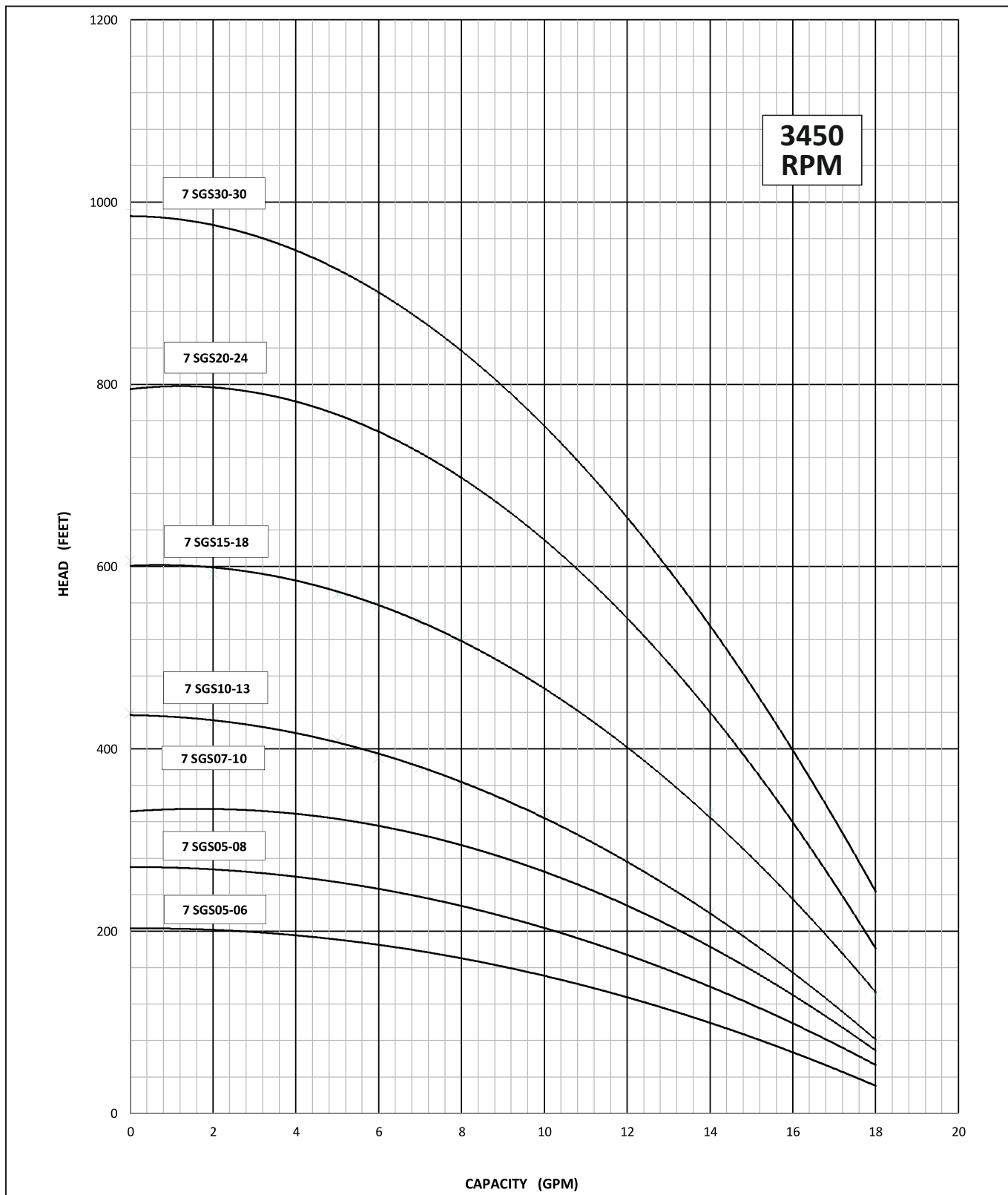
MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT) Rp	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
5SGS05- 9	A	0.5	4"	1	1.25"	24.6	9.4	15.2	3.8	3.9	6.1	18.7
				3		25.7	10.5		3.8			22.2
5SGS05- 12	A	0.5	4"	1	1.25"	26.6	9.4	17.2	3.8	3.9	7.0	18.7
				3		27.7	10.5		3.8			22.2
5SGS07- 15	A	0.75	4"	1	1.25"	29.8	10.5	19.3	3.8	3.9	8.0	21.5
				3		29.7	10.4		3.8			22.2
5SGS10- 20	A	1	4"	1	1.25"	35.4	11.3	24.1	3.8	3.9	10.2	23.8
				3		35.4	11.3		3.8			24.3
5SGS15- 26	A	1.5	4"	1	1.25"	41.4	13.2	28.2	3.8	3.9	12.7	28.6
				3		41.4	13.2		3.8			28.7
5SGS20- 33	A	2	4"	1	1.25"	52.1	19.1	33.0	3.8	3.9	15.0	33.7
				3		48.7	15.7		3.8			34.6

PERFORMANCE CURVE



SUBMERSIBLE PUMPS 7 SGS

7 GPM



Specifications subject to change without notice.
4" Motor Standard, 3450 RPM

Performance conforms to ISO 9906 annex A

SUBMERSIBLE PUMPS 7 SGS

7 GPM

Dimensions and Weights:-

2 WIRE

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT) Rp	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
7SGS05- 6	A	0.5	4"	1	1.25"	28.6	13.5	15.1	3.8	3.9	6.8	23.0
7SGS05- 8	A	0.5	4"	1	1.25"	30.9	13.5	17.4	3.8	3.9	7.8	23.0
7SGS07- 10	A	0.75	4"	1	1.25"	33.4	14.6	18.8	3.8	3.9	8.5	25.5
7SGS10- 13	A	1	4"	1	1.25"	37.2	15.5	21.7	3.8	3.9	9.7	27.6
7SGS15- 18	A	1.5	4"	1	1.25"	46.2	17.4	28.8	3.8	3.9	13.67	32.7

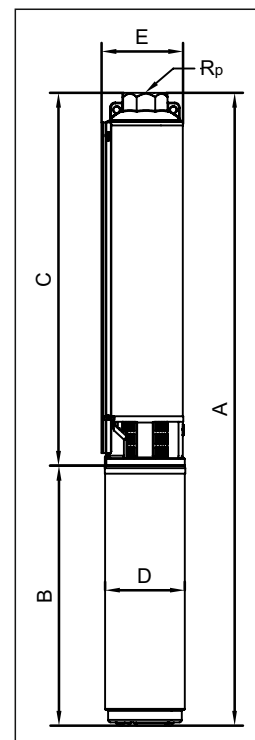


FIG. A

3 WIRE

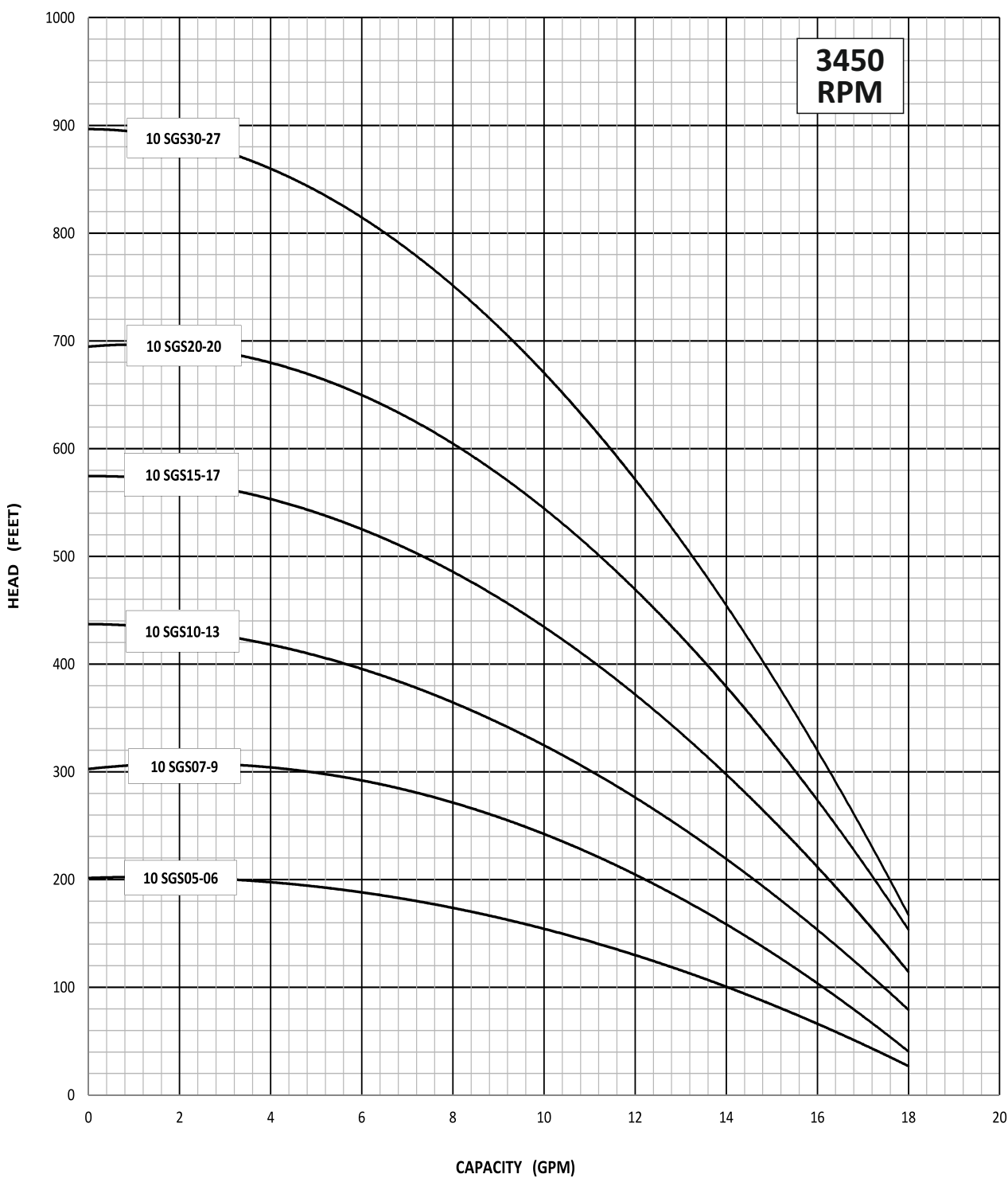
MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT) Rp	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
7SGS05- 6	A	0.5	4"	1	1.25"	24.5	9.4	15.1	3.8	3.9	6.8	18.7
				3		25.6	10.5					22.2
7SGS05- 8	A	0.5	4"	1	1.25"	26.8	9.4	17.4	3.8	3.9	7.8	18.7
				3		27.9	10.5					22.2
7SGS07- 10	A	0.75	4"	1	1.25"	29.3	10.5	18.8	3.8	3.9	8.5	21.5
				3		29.2	10.4					22.2
7SGS10- 13	A	1	4"	1	1.25"	33.0	11.3	21.7	3.8	3.9	9.7	23.8
				3		33.0	11.3					24.3
7SGS15- 18	A	1.5	4"	1	1.25"	42.0	13.2	28.8	3.8	3.9	13.7	28.6
				3		42.0	13.2					28.7
7SGS20- 24	A	2	4"	1	1.25"	53.9	19.1	34.8	3.8	3.9	16.5	33.7
				3		50.5	15.7					34.6
7SGS30- 30	A	3	4"	1	1.25"	62.9	21.4	41.5	3.8	3.9	19.7	47.5
				3		63.0	21.5					48.2

PERFORMANCE CURVE



SUBMERSIBLE PUMPS 10 SGS

10 GPM



Specifications subject to change without notice.
4" Motor Standard, 3450 RPM

Performance conforms to ISO 9906 annex A

SUBMERSIBLE PUMPS 10 SGS

10 GPM

Dimensions and Weights:-

2 WIRE

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT) Rp	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
10SGS05- 6	A	0.5	4"	1	1.25"	28.6	13.5	15.1	3.8	3.9	6.8	23.0
10SGS07- 9	A	0.75	4"	1	1.25"	34.3	15.5	18.8	3.8	3.9	8.7	25.5
10SGS10- 13	A	1	4"	1	1.25"	39.1	17.4	21.7	3.8	3.9	10	27.6
10SGS15- 17	A	1.5	4"	1	1.25"	45.2	17.4	27.8	3.8	3.9	12.8	32.7

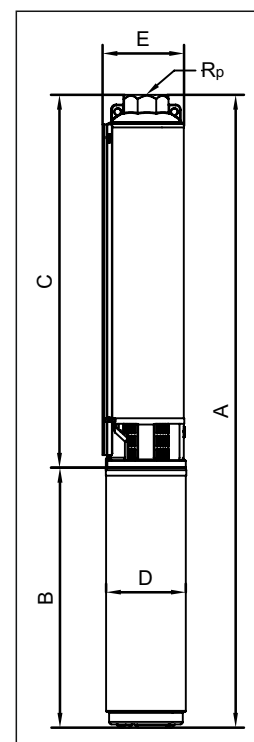


FIG. A

3 WIRE

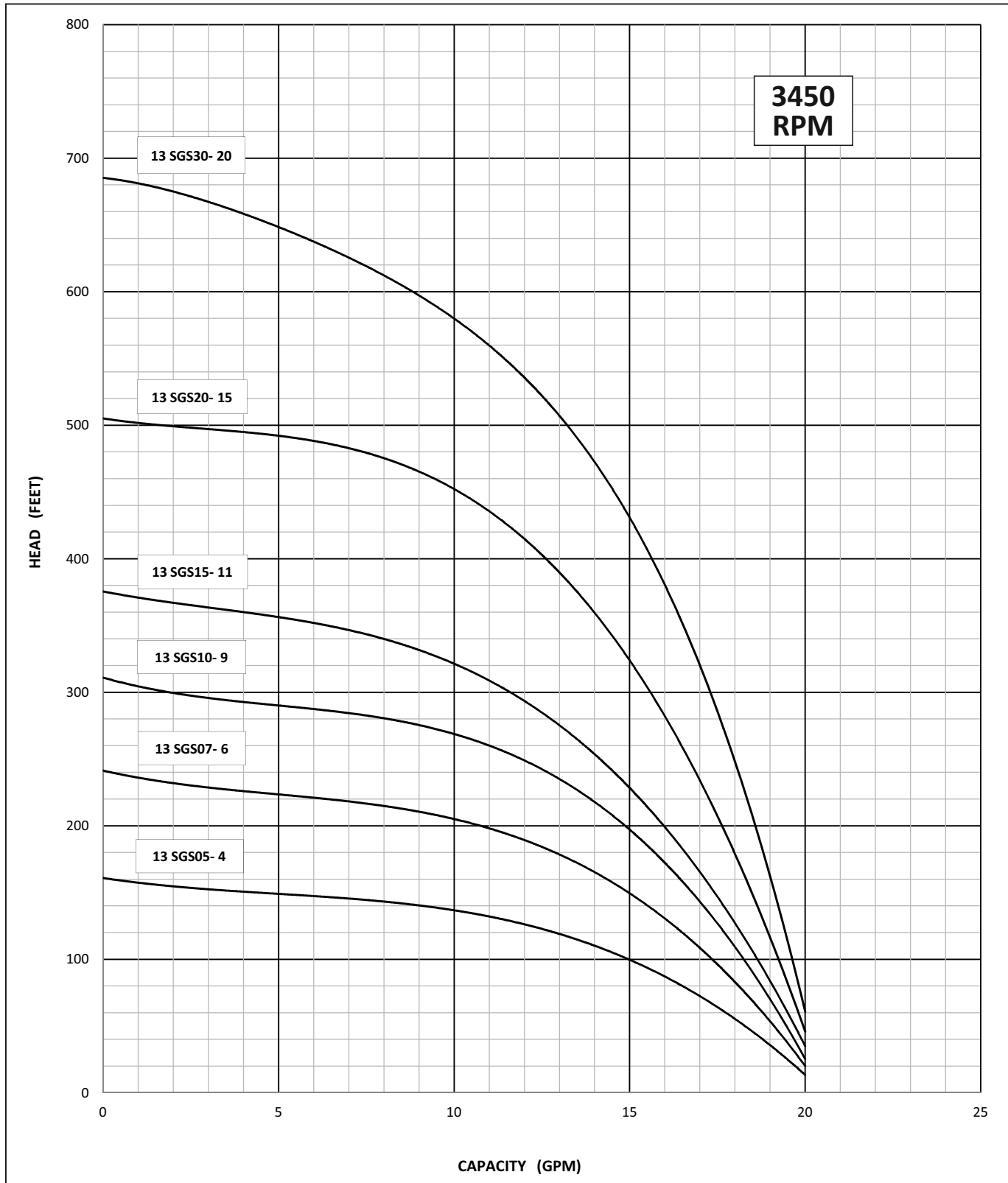
MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT) Rp	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
10SGS05- 6	A	0.5	4"	1	1.25"	24.5	9.4	15.1	3.8	3.9	6.8	18.7
				3		25.6	10.5					22.2
10SGS07- 9	A	0.75	4"	1	1.25"	29.3	10.5	18.8	3.8	3.9	8.7	21.5
				3		29.2	10.4					22.2
10SGS10- 13	A	1	4"	1	1.25"	33.0	11.3	21.7	3.8	3.9	10	23.8
				3		33.0	11.3					24.3
10SGS15- 17	A	1.5	4"	1	1.25"	41.0	13.2	27.8	3.8	3.9	12.8	28.6
				3		41.0	13.2					28.7
10SGS20- 20	A	2	4"	1	1.25"	50.0	19.1	30.9	3.8	3.9	14.2	33.7
				3		46.6	15.7					34.6
10SGS30- 27	A	3	4"	1	1.25"	58.4	21.5	36.9	3.8	3.9	17	47.5
				3		58.4	21.5					48.2

PERFORMANCE CURVE



SUBMERSIBLE PUMPS 13 SGS

13 GPM



Specifications subject to change without notice.
4" Motor Standard, 3450 RPM

Performance conforms to ISO 9906 annex A

SUBMERSIBLE PUMPS 13 SGS

13 GPM

Dimensions and Weights:-

2 WIRE

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT) Rp	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
13 SGS05- 4	A	0.5	4"	1	1.25"	28.6	13.5	15.1	3.8	3.9	6.8	23.0
13SGS07- 6	A	0.75	4"	1	1.25"	29.7	14.6	15.1	3.8	3.9	6.8	25.5
13SGS10- 9	A	1	4"	1	1.25"	34.3	15.5	18.8	3.8	3.9	8.5	27.6
13SGS15- 11	A	1.5	4"	1	1.25"	37.2	17.4	19.8	3.8	3.9	8.9	32.7

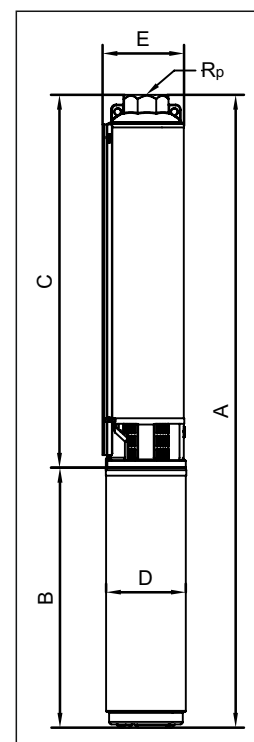


FIG. A

3 WIRE

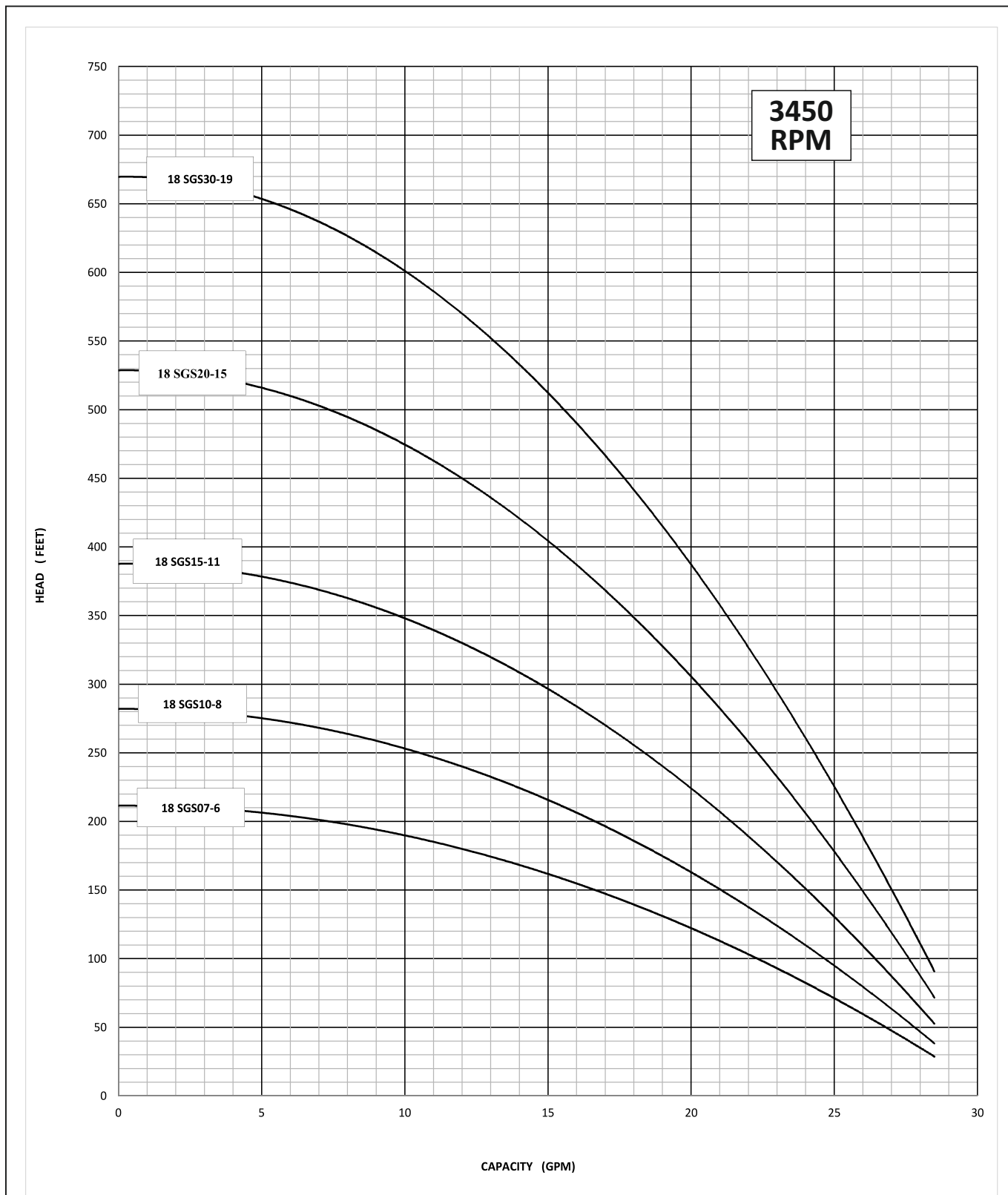
MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT) Rp	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
13 SGS05- 4	A	0.5	4"	1	1.25"	24.5	9.4	15.1	3.8	3.9	6.8	18.7
				3		25.6	10.5		3.8			22.2
13SGS07- 6	A	0.75	4"	1	1.25"	25.6	10.5	15.1	3.8	3.9	6.8	21.5
				3		25.6	10.5		3.8			22.2
13SGS10- 9	A	1	4"	1	1.25"	30.1	11.3	18.8	3.8	3.9	8.5	23.8
				3		30.1	11.3		3.8			24.3
13SGS15- 11	A	1.5	4"	1	1.25"	33.0	13.2	19.8	3.8	3.9	8.9	28.6
				3		33.0	13.2		3.8			28.7
13SGS15- 15	A	2	4"	1	1.25"	40.3	15.7	24.6	3.8	3.9	11.1	33.7
				3		40.3	15.7		3.8			34.6
13SGS20- 20	A	3	4"	1	1.25"	52.4	21.5	30.9	3.8	3.9	14.5	47.5
				3		52.4	21.5		3.8			48.2

PERFORMANCE CURVE



SUBMERSIBLE PUMPS 18 SGS

18 GPM



Specifications subject to change without notice.
4" Motor Standard, 3450 RPM

Performance conforms to ISO 9906 annex A

SUBMERSIBLE PUMPS 18 SGS

18 GPM

Dimensions and Weights:-

2 WIRE

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT) Rp	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
18 SGS07- 6	A	0.75	4"	1	1.25"	30.3	14.6	15.7	3.8	3.9	6.9	25.5
18 SGS10- 8	A	1	4"	1	1.25"	33.6	15.5	18.1	3.8	3.9	8	27.6
18 SGS15-11	A	1.5	4"	1	1.25"	39.5	17.4	22.1	3.8	3.9	9.7	32.7

3 WIRE

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT) Rp	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
18 SGS07- 6	A	0.75	4"	1	1.25"	26.2	10.5	15.7	3.8	3.9	6.9	21.5
				3		26.2	10.5		3.8			22.2
18 SGS10- 8	A	1	4"	1	1.25"	29.4	11.3	18.1	3.8	3.9	8	23.8
				3		29.4	11.3		3.8			24.3
18 SGS15-11	A	1.5	4"	1	1.25"	35.3	13.2	22.1	3.8	3.9	9.7	28.6
				3		35.3	13.2		3.8			28.7
18 SGS20- 15	A	2	4"	1	1.25"	46.9	19.1	27.8	3.8	3.9	12.2	33.7
				3		43.5	15.7		3.8			34.6
18 SGS30- 19	A	3	4"	1	1.25"	52.4	21.5	30.9	3.8	3.9	14.5	47.5
				3		52.4	21.5		3.8			48.2

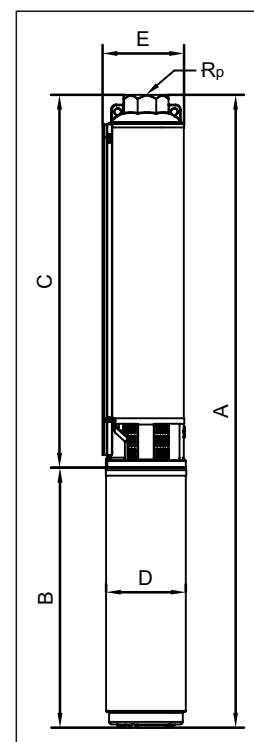


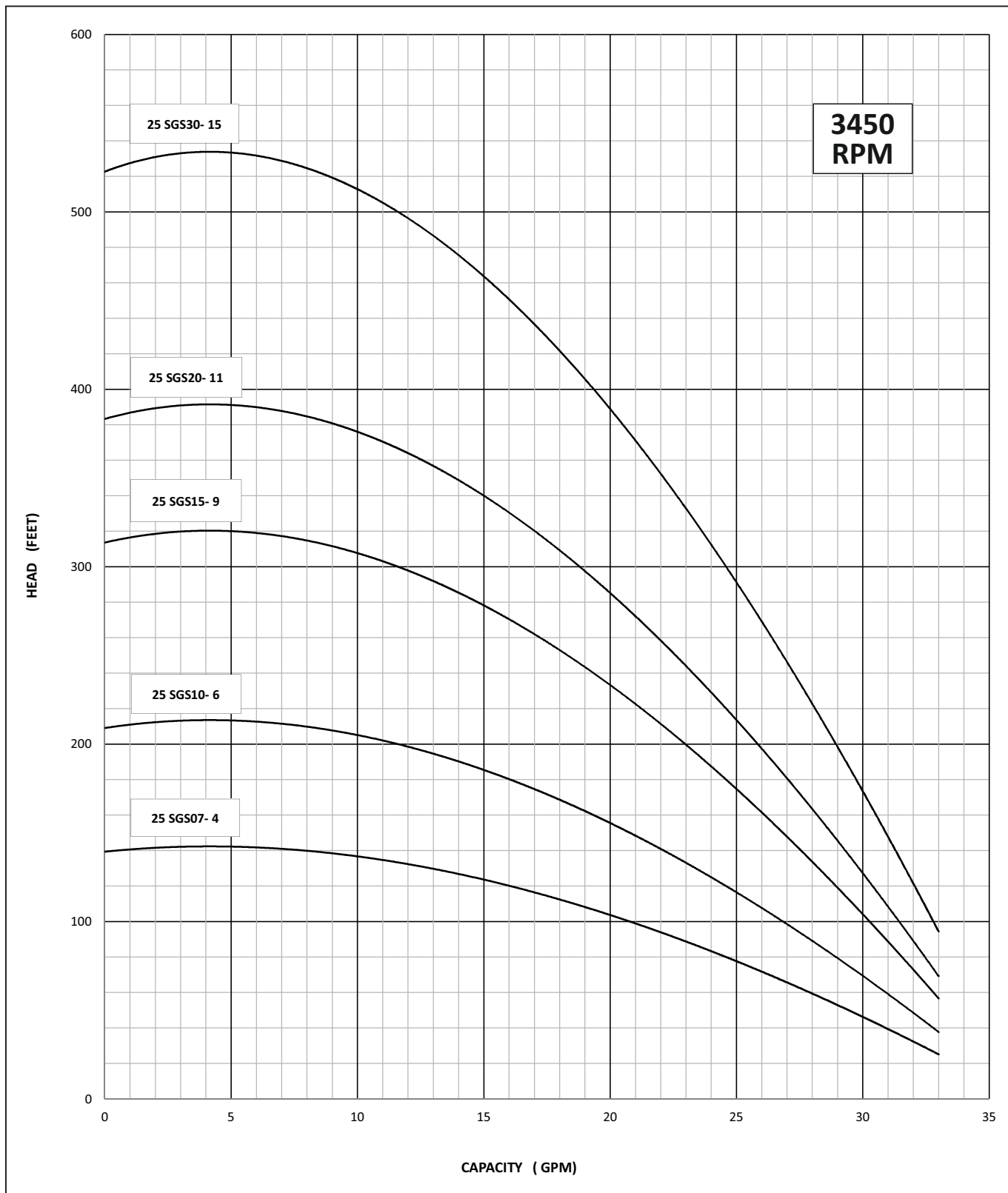
FIG. A

PERFORMANCE CURVE



SUBMERSIBLE PUMPS 25 SGS

25 GPM

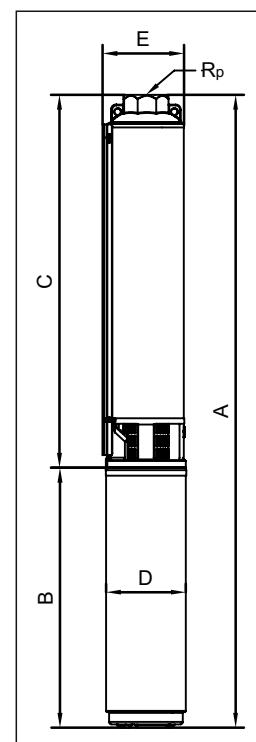


Specifications subject to change without notice.
4" Motor Standard, 3450 RPM

Performance conforms to ISO 9906 annex A

SUBMERSIBLE PUMPS 25 SGS
25 GPM
Dimensions and Weights:-
2 WIRE

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT) Rp	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
25 SGS07- 4	A	0.75	4"	1	1.5"	29.7	14.6	15.1	3.8	3.9	6.5	25.5
25 SGS10- 6	A	1	4"	1	1.5"	31.2	15.5	15.7	3.8	3.9	6.8	27.6
25 SGS15- 9	A	1.5	4"	1	1.5"	37.2	17.4	19.8	3.8	3.9	8.5	32.7


FIG. A
3 WIRE

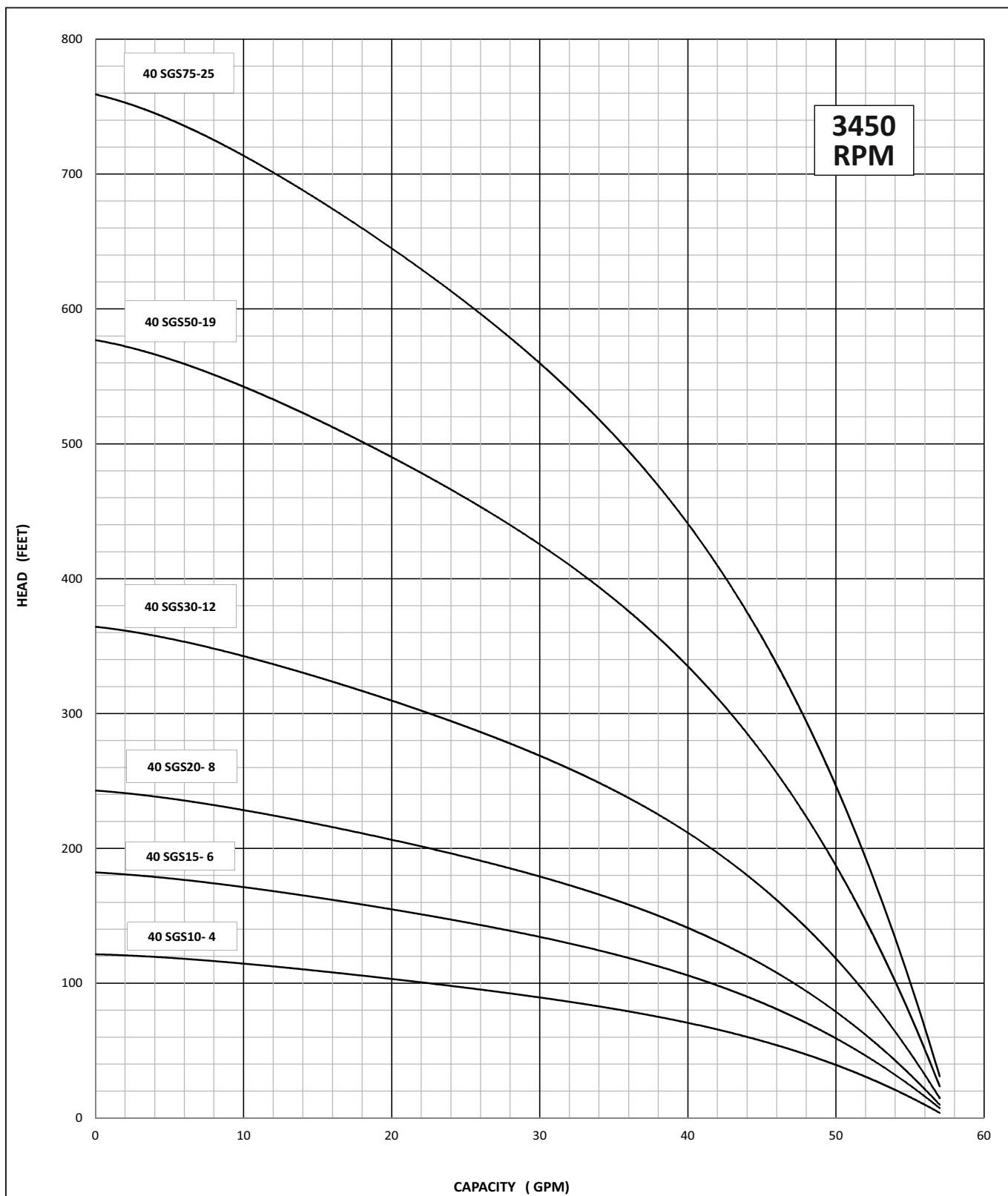
MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT) Rp	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
25 SGS07- 4	A	0.75	4"	1	1.5"	25.6	10.5	15.1	3.8	3.9	6.5	21.5
				3		25.5	10.4		3.8			22.2
25 SGS10- 6	A	1	4"	1	1.5"	27.0	11.3	15.7	3.8	3.9	6.8	23.8
				3		27.0	11.3		3.8			24.3
25 SGS15- 9	A	1.5	4"	1	1.5"	33.0	13.2	19.8	3.8	3.9	8.5	28.6
				3		33.0	13.2		3.8			28.7
25 SGS20- 11	A	2	4"	1	1.5"	41.2	19.1	22.1	3.8	3.9	9.9	33.7
				3		37.8	15.7		3.8			34.6
25 SGS30- 15	A	3	4"	1	1.5"	49.3	21.5	27.8	3.8	3.9	12.5	47.5
				3		49.3	21.5		3.8			48.2

PERFORMANCE CURVE



SUBMERSIBLE PUMPS 40 SGS

40 GPM



Specifications subject to change without notice.
4" Motor Standard, 3450 RPM

Performance conforms to ISO 9906 annex A

SUBMERSIBLE PUMPS 40 SGS

40 GPM

Dimensions and Weights:-

2 WIRE

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT) Rp	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
40 SGS10- 4	A	1	4"	1	1.5"	30.6	15.5	15.1	3.8	3.9	6.8	27.6
40 SGS15- 6	A	1.5	4"	1	1.5"	34.8	17.4	17.4	3.8	3.9	7.8	32.7

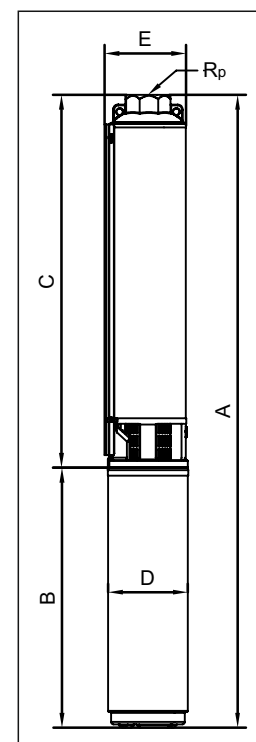


FIG. A

3 WIRE

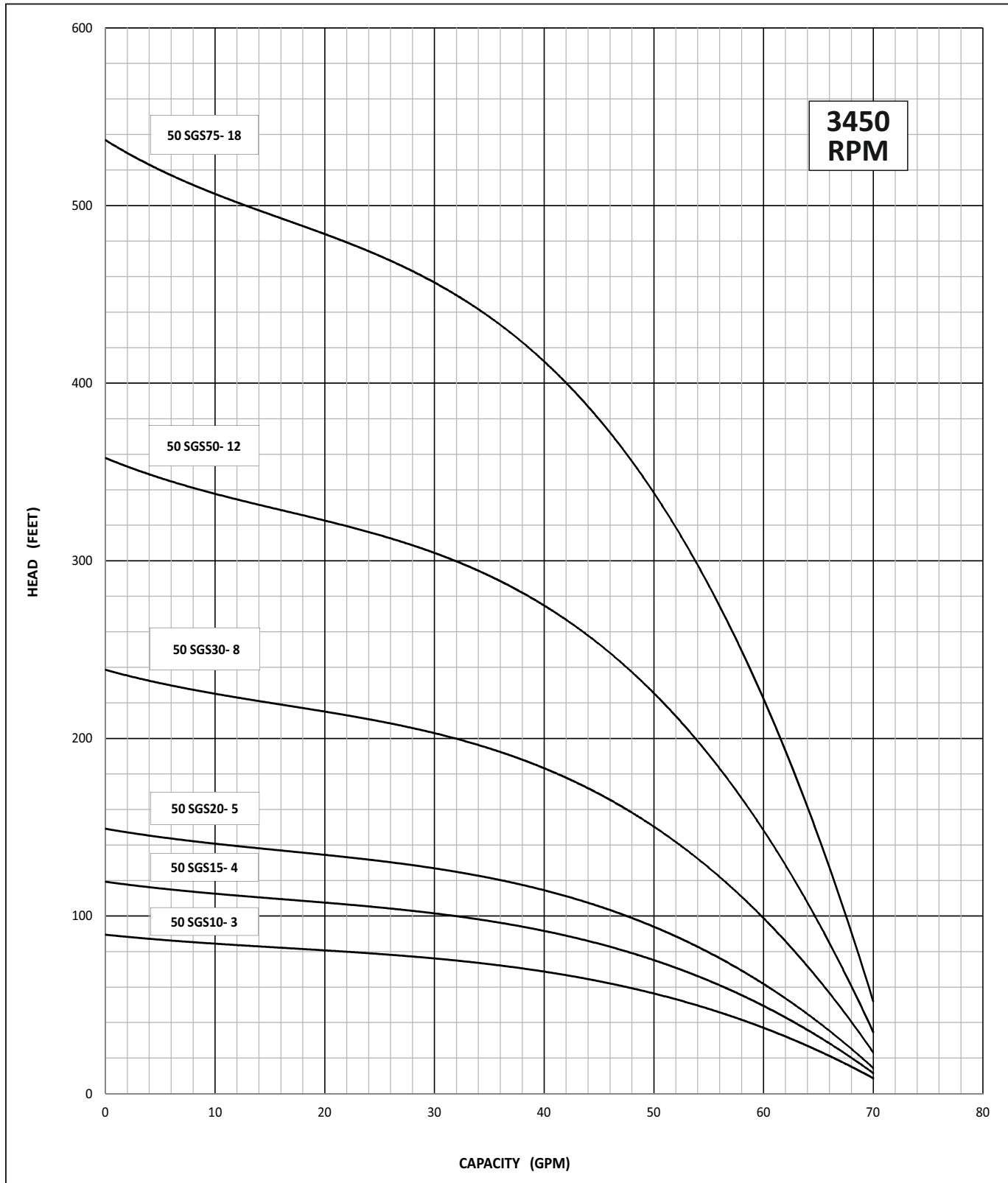
MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT) Rp	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
40 SGS10- 4	A	1	4"	1	1.5"	26.4	11.3	15.1	3.8	3.9	6.8	23.8
				3		26.4	11.3		3.8	3.9		24.3
40 SGS15- 6	A	1.5	4"	1	1.5"	30.6	13.2	17.4	3.8	3.9	7.8	28.6
				3		30.6	13.2		3.8	3.9		28.7
40 SGS20- 8	A	2	4"	1	1.5"	41.2	19.1	22.1	3.8	3.9	9.9	33.7
				3		37.8	15.7		3.8	3.9		34.6
40 SGS30- 12	A	3	4"	1	1.5"	49.3	21.5	27.8	3.8	3.9	12.5	47.5
				3		49.3	21.5		3.8	3.9		48.2
40 SGS50- 19	A	5	4"	1	1.5"	65.9	27.4	38.5	3.8	3.9	17.3	63.7
				3		61.5	23.0		3.8	3.9		65.1
40 SGS75- 25	A	7.5	4"	3	1.5"	76.2	30.5	45.7	3.8	3.9	20.6	72.9

PERFORMANCE CURVE



SUBMERSIBLE PUMPS 50 SGS

50 GPM

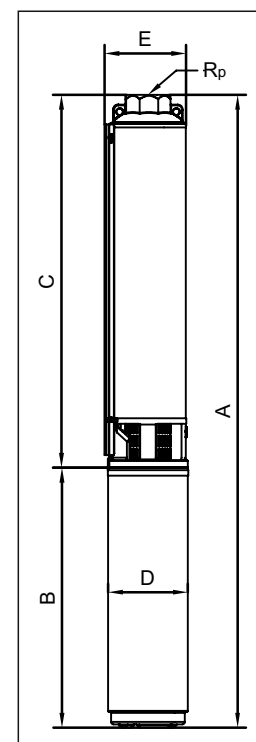


Specifications subject to change without notice.
4" Motor Standard, 3450 RPM

Performance conforms to ISO 9906 annex A

SUBMERSIBLE PUMPS 50 SGS**50 GPM****Dimensions and Weights:-****2 WIRE**

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT) Rp	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
50 SGS10- 3	A	1	4"	1	2.0"	30.6	15.5	15.1	3.8	3.9	6.8	27.6
50 SGS15- 4	A	1.5	4"	1	2.0"	32.5	17.4	15.1	3.8	3.9	6.8	32.7

**FIG. A****3 WIRE**

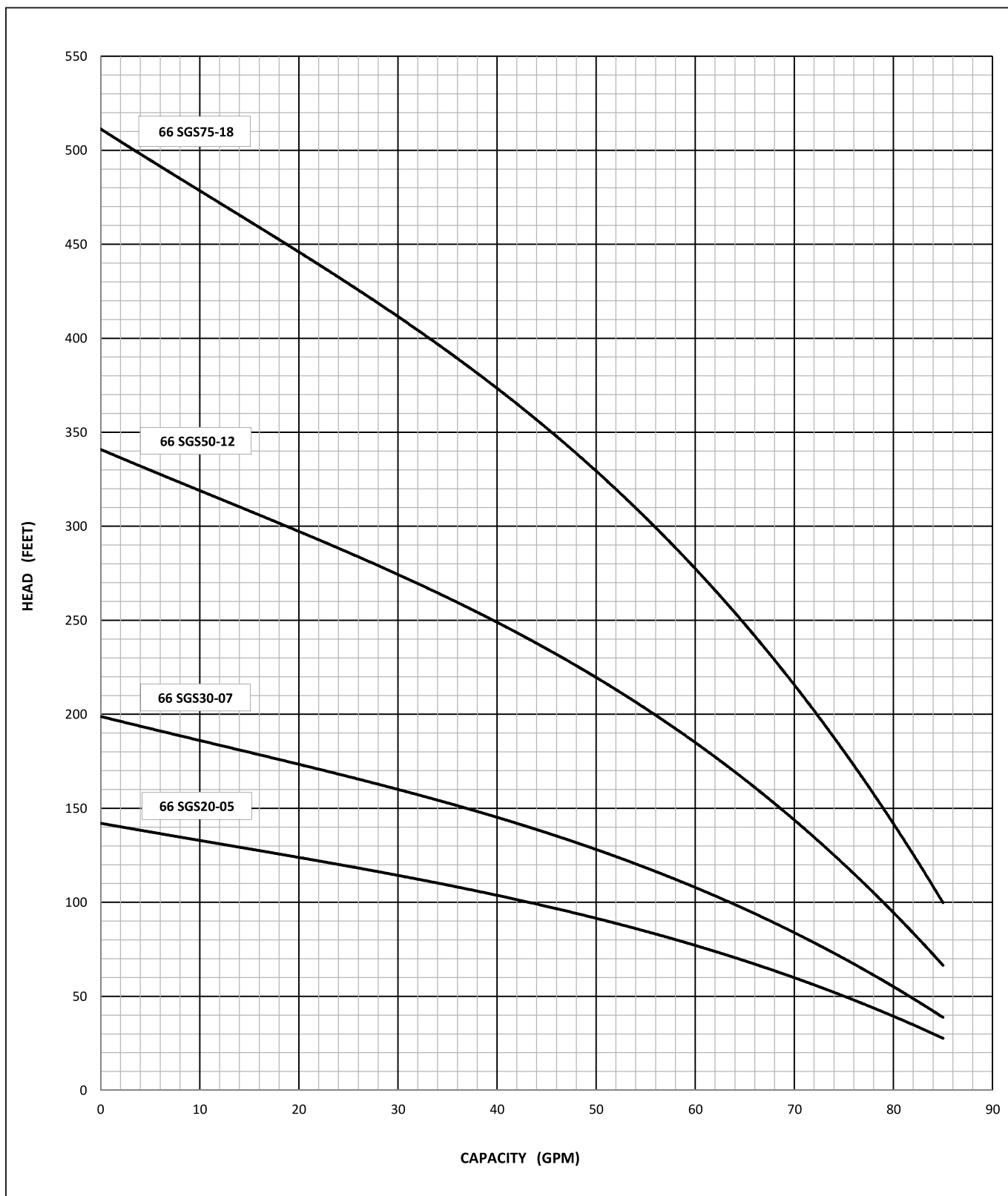
MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT) Rp	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
50 SGS10- 3	A	1	4"	1	2.0"	26.4	11.3	15.1	3.8	3.9	6.8	23.8
				3		26.4	11.3		3.8	3.9		24.3
50 SGS15- 4	A	1.5	4"	1	2.0"	28.3	13.2	15.1	3.8	3.9	6.8	28.6
				3		28.3	13.2		3.8	3.9		28.7
50 SGS20- 5	A	2	4"	1	2.0"	37.3	19.1	18.2	3.8	3.9	8.2	33.7
				3		33.9	15.7		3.8	3.9		34.6
50 SGS30- 8	A	3	4"	1	2.0"	43.6	21.5	22.1	3.8	3.9	9.9	47.5
				3		43.6	21.5		3.8	3.9		48.2
50 SGS50- 12	A	5	4"	1	2.0"	56.2	27.4	28.8	3.8	3.9	13	63.7
				3		51.8	23.0		3.8	3.9		65.1
50 SGS75- 18	A	7.5	4"	3	2.0"	69.0	30.5	38.5	3.8	3.9	17.3	72.9

PERFORMANCE CURVE



SUBMERSIBLE PUMPS 66 SGS

66 GPM



Specifications subject to change without notice.
4" Motor Standard, 3450 RPM

Performance conforms to ISO 9906 annex A

SUBMERSIBLE PUMPS 66 SGS

66 GPM

Dimensions and Weights:-

3 WIRE

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT) Rp	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
66 SGS20- 5	A	2	4"	1	2.0"	38.9	19.1	19.8	3.8	3.9	8.9	33.7
				3		35.5	15.7		3.8	3.9		34.6
66 SGS30- 7	A	3	4"	1	2.0"	49.3	21.5	27.8	3.8	3.9	12.5	47.5
				3		49.3	21.5		3.8	3.9		48.2
66 SGS50- 12	A	5	4"	1	2.0"	64.3	27.4	36.9	3.8	3.9	16.6	63.7
				3		59.9	23.0		3.8	3.9		65.1
66 SGS75- 18	A	7.5	4"	3	2.0"	82.1	30.5	51.6	3.8	3.9	23.2	72.9

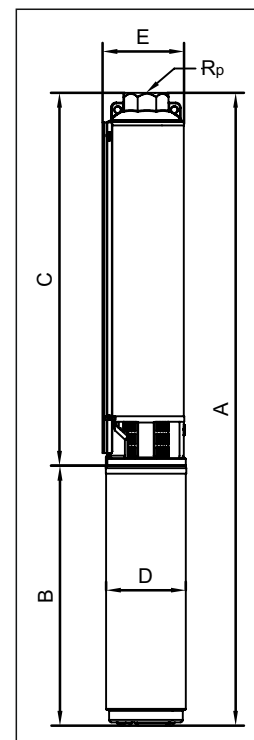


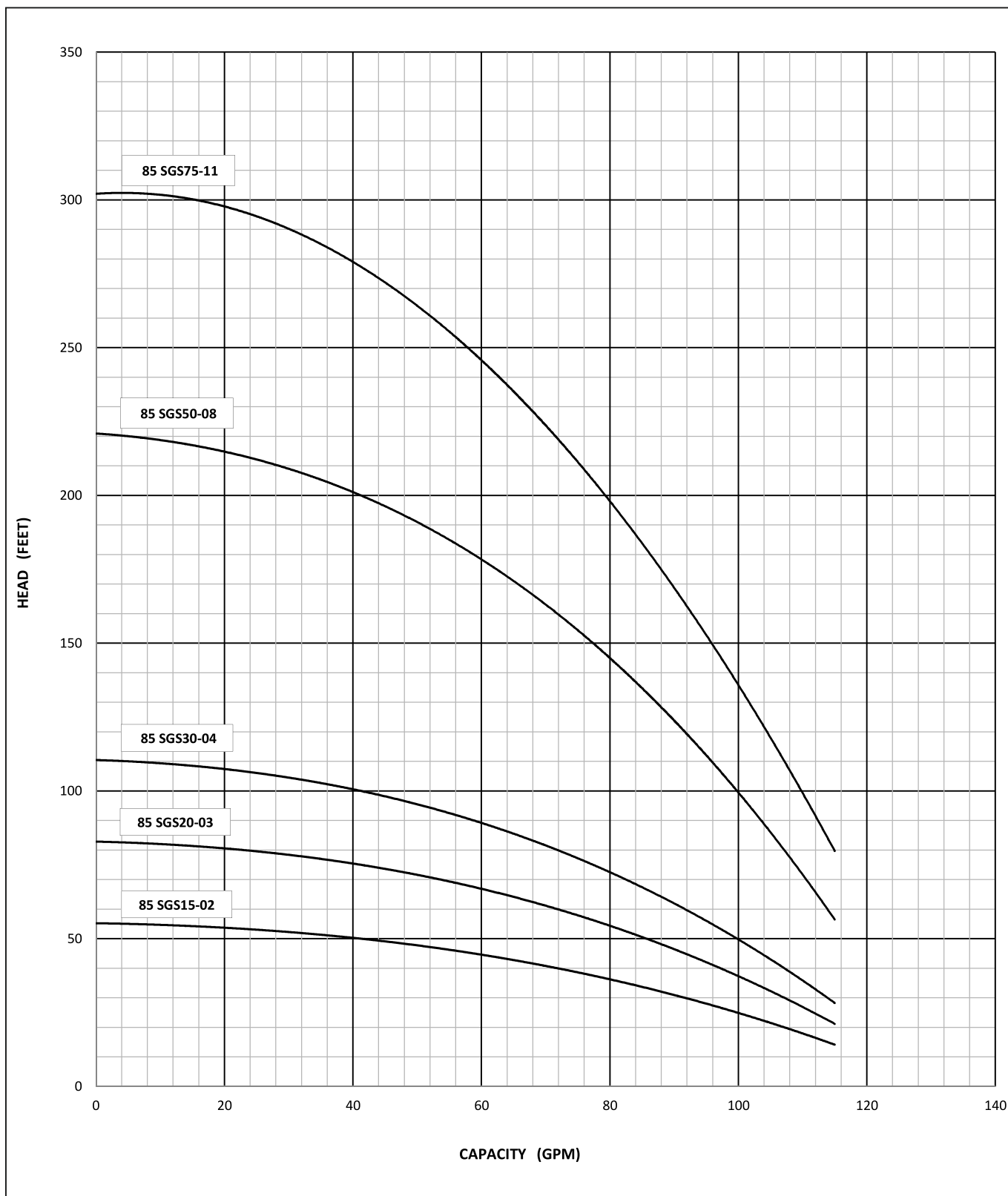
FIG. A

PERFORMANCE CURVE



SUBMERSIBLE PUMPS 85 SGS

85 GPM



Specifications subject to change without notice.
4" Motor Standard, 3450 RPM

Performance conforms to ISO 9906 annex A

SUBMERSIBLE PUMPS 85 SGS

85 GPM

Dimensions and Weights:-

2 WIRE

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT) Rp	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
85 SGS15- 2	A	1.5	4"	1	2.0"	33.2	17.4	15.8	3.8	3.9	7.1	32.7

3 WIRE

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT) Rp	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
85 SGS15- 2	A	1.5	4"	1	2.0"	29.0	13.2	15.8	3.8	3.9	7.1	28.6
				3		29.0	13.2		3.8	3.9		28.7
85 SGS20- 3	A	2	4"	1	2.0"	37.3	19.1	18.2	3.8	3.9	8.2	33.7
				3		33.9	15.7		3.8	3.9		34.6
85 SGS30- 4	A	3	4"	1	2.0"	43.2	21.5	21.7	3.8	3.9	9.8	47.5
				3		43.2	21.5		3.8	3.9		48.2
85 SGS50- 8	A	5	4"	1	2.0"	62.3	27.4	34.9	3.8	3.9	15.7	63.7
				3		57.9	23.0		3.8	3.9		65.1
85 SGS75- 11	A	7.5	4"	3	2.0"	72.0	30.5	41.5	3.8	3.9	18.7	72.9

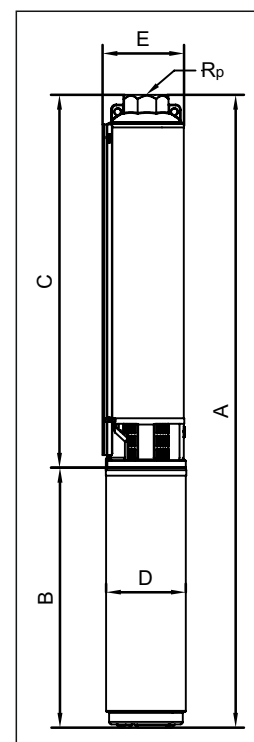
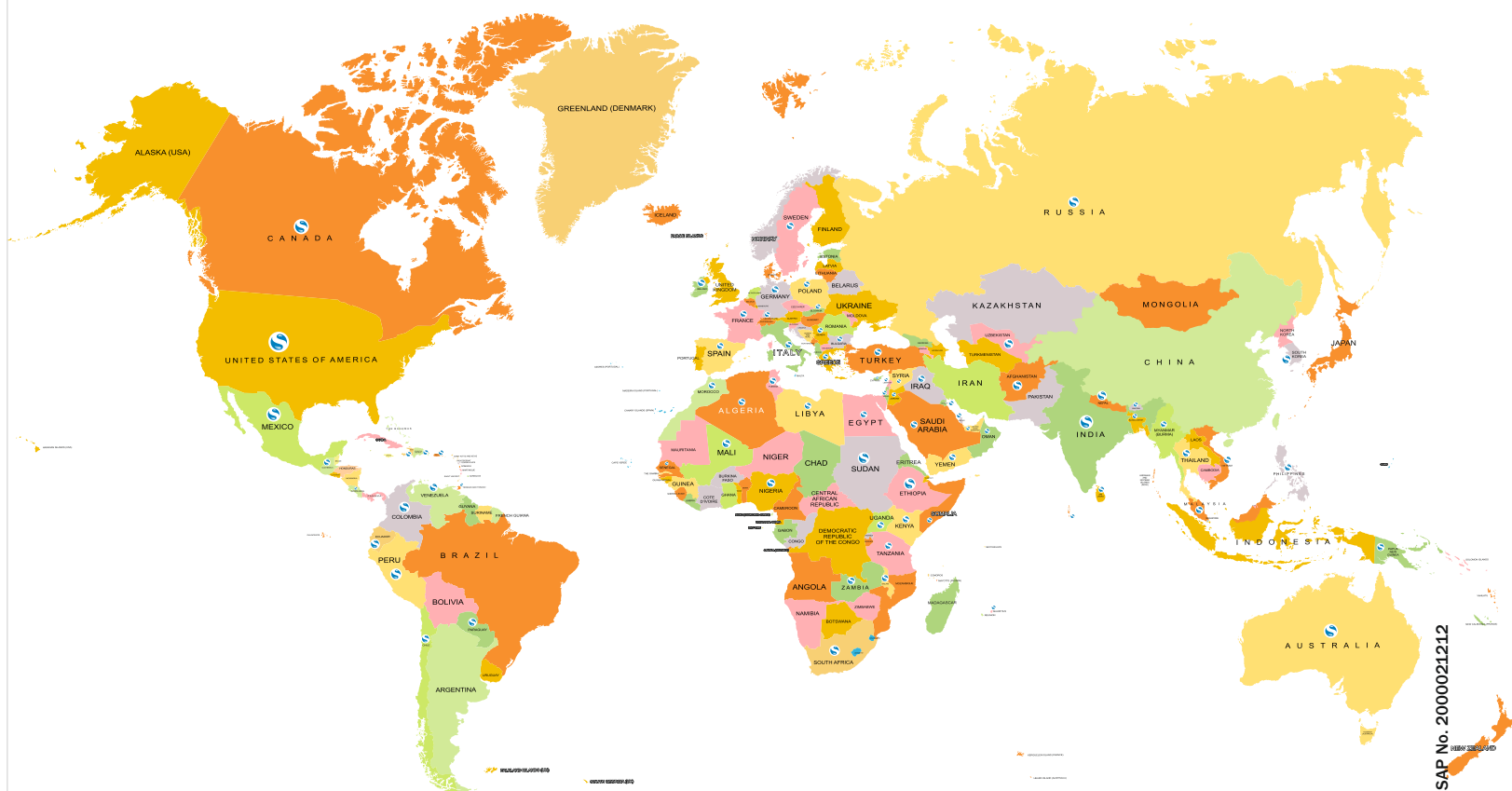


FIG. A



Mar./2024-25/L2/000 VC- 0000

Mar. 2025/R9

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