



SUBMERSIBLE PUMPS & MOTORS

SGS SERIES (60 Hz)



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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

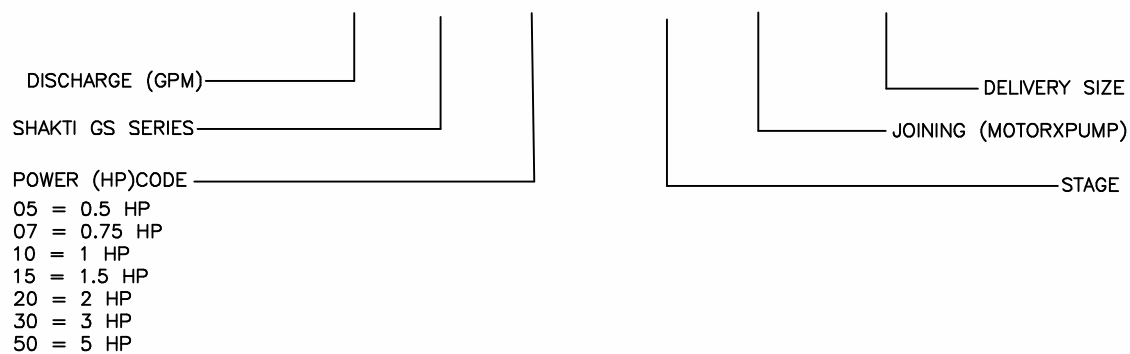
Components	Material
Pump Outer Sleeve	AISI SS 304
Discharge Casing	AISI SS 304
Suction Casing	AISI SS 304
Diffuser	Noryl (PC)
Impeller	Noryl (POM)
Pump Shaft	AISI SS 304
Shaft Coupling	AISI SS 304
Wear Ring	AISI SS 304

TYPE KEY



EXAMPLE

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

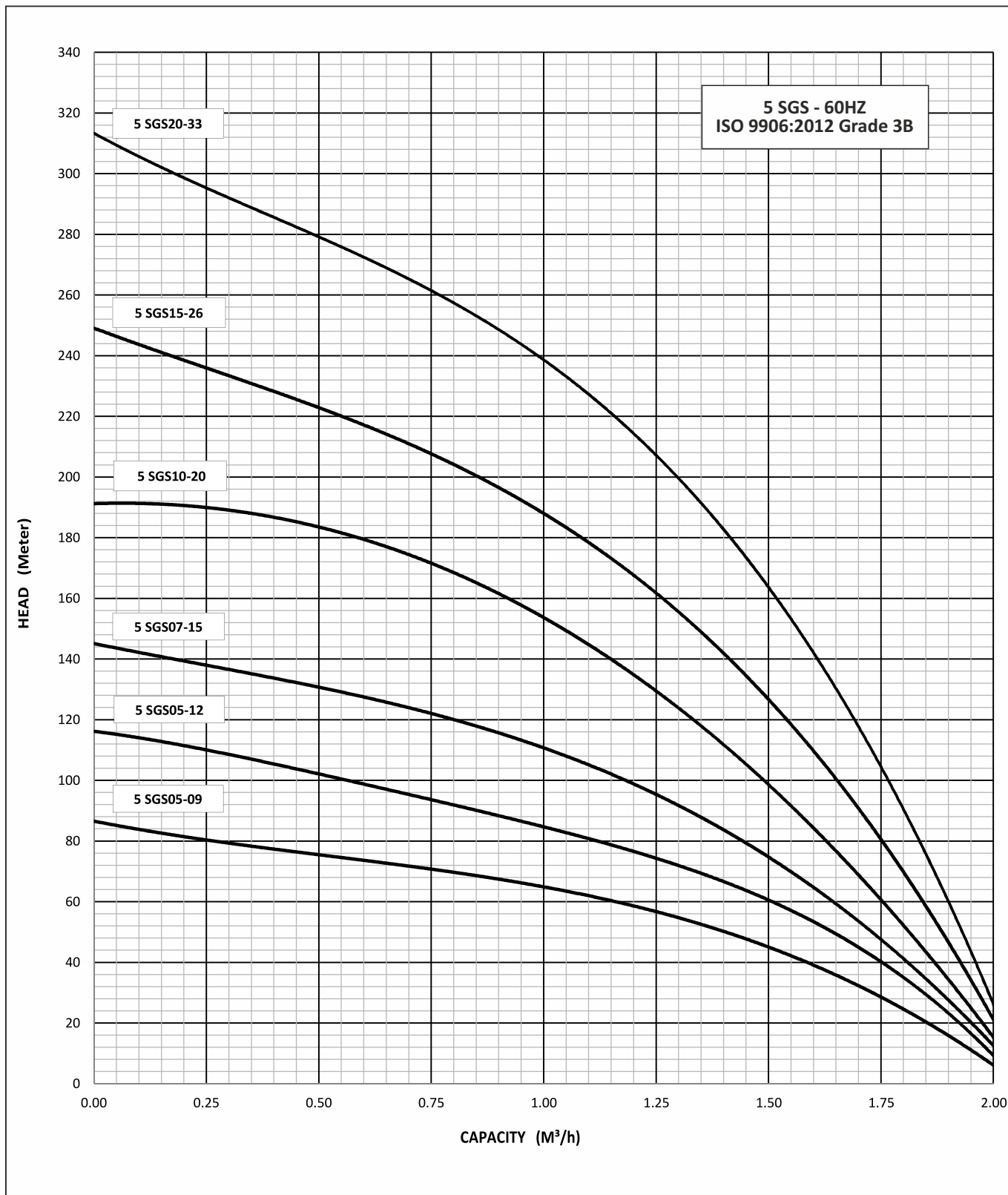


Performance Curve and Technical Data

4 Inch Submersibles

PERFORMANCE CURVE

SUBMERSIBLE PUMP 5 SGS



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

2 WIRE

Pump Type	Motor			Dimension (mm)						Net weight (Kg)	
	Type	Power (Kw)	Ph	DISCH. SIZE (NPT)	A	B	C	D	E	PUMP	MOTOR
5SGS05- 9	PREMIUM 100	0.37	1	1.25"	729	343	386	95	99	2.5	10.4
5SGS05- 12	PREMIUM 100	0.37	1	1.25"	780	343	437	95	99	2.9	10.4
5SGS07- 15	PREMIUM 100	0.55	1	1.25"	861	371	490	95	99	3.3	11.6
5SGS10- 20	PREMIUM 100	0.75	1	1.25"	1006	394	612	95	99	4.3	12.5
5SGS15- 26	PREMIUM 100	1.1	1	1.25"	1158	442	716	97	99	5.4	14.8

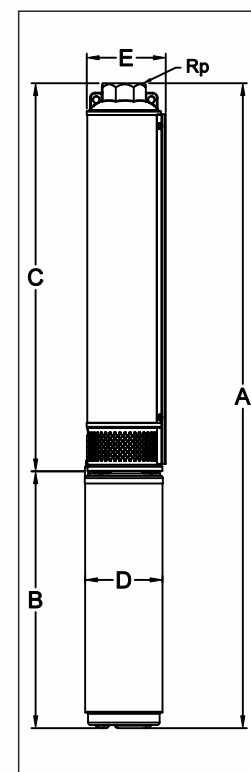


FIG. A

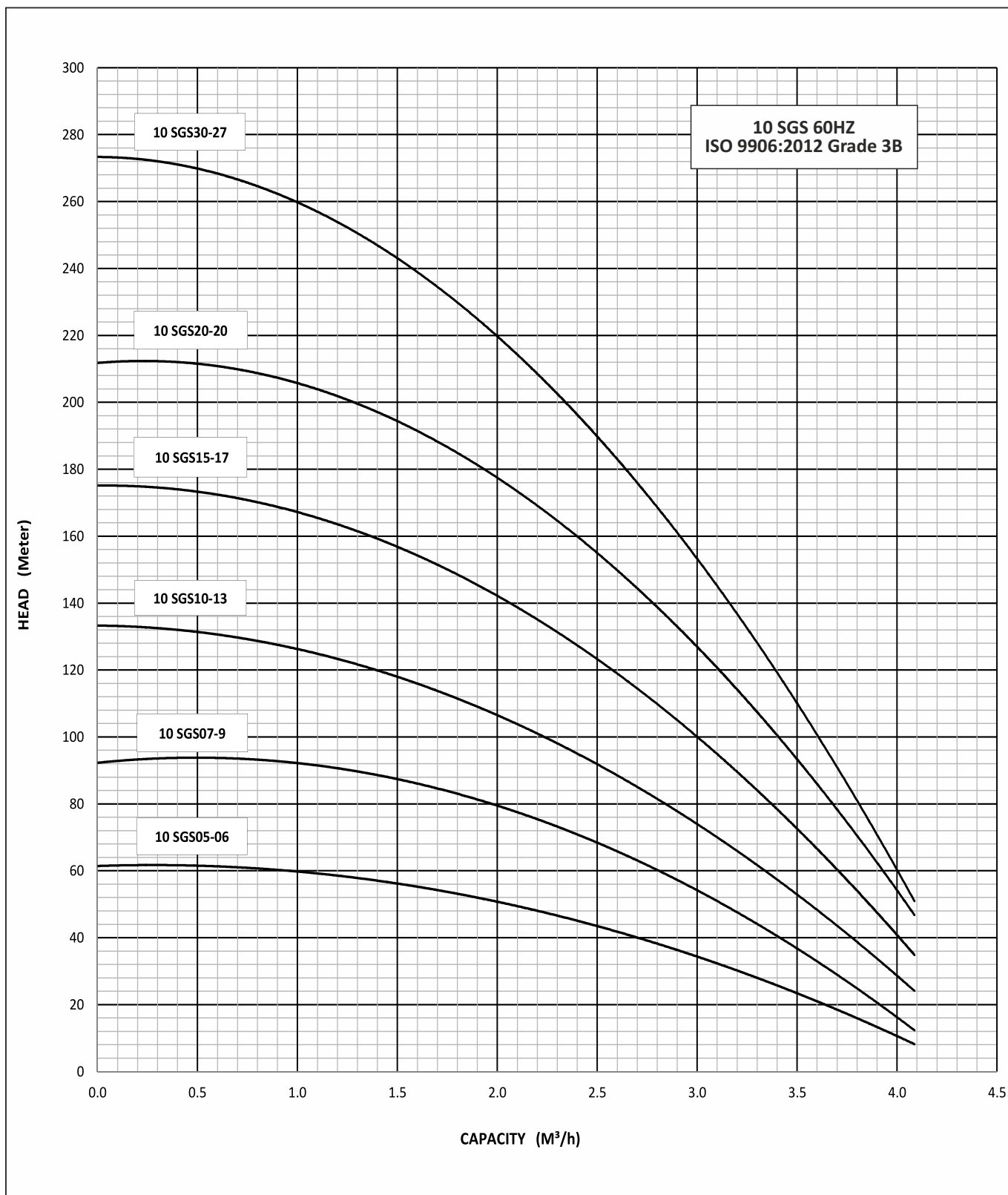
3 WIRE

Pump Type	Motor			DIMENSIONS (mm)						Net weight (Kg)	
	Type	Power (Kw)	Ph	DISCH. SIZE (NPT)	A	B	C	D	E	PUMP	MOTOR
5SGS05- 9	PREMIUM 100	0.37	1	1.25"	624	238	386	95	99	2.5	8.5
			3		653	267		95			10.1
5SGS05- 12	PREMIUM 100	0.37	1	1.25"	675	238	437	95	99	2.9	8.5
			3		704	267		95			10.1
5SGS07- 15	PREMIUM 100	0.55	1	1.25"	757	267	490	95	99	3.3	9.8
			3		753	263		95			10.1
5SGS10- 20	PREMIUM 100	0.75	1	1.25"	900	288	612	95	99	4.3	10.8
			3		900	288		95			11.0
5SGS15- 26	PREMIUM 100	1.1	1	1.25"	1052	336	716	95	99	5.4	13.0
			3		1052	336		95			13.0
5SGS20- 33	PREMIUM 100.5	1.5	1	1.25"	1323	485	838	95	99	6.5	15.3
			3		1238	400		95			15.7

PERFORMANCE CURVE



SUBMERSIBLE PUMP 10 SGS



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

2 WIRE

Pump Type	Motor			DIMENSIONS (mm)						Net weight (Kg)	
	TYPE	Power (Kw)	Ph	DISCH. SIZE (NPT) Rp	A	B	C	D	E	PUMP	MOTOR
10SGS05- 6	PREMIUM 100	0.37	1	1.25"	727	343	384	95	99	2.7	10.4
10SGS07- 9	PREMIUM 100	0.55	1	1.25"	871	394	478	95	99	3.5	11.6
10SGS10- 13	PREMIUM 100	0.75	1	1.25"	993	442	551	95	99	4.0	12.5
10SGS15- 17	PREMIUM 100	1.1	1	1.25"	1,149	443	706	95	99	5.3	14.8

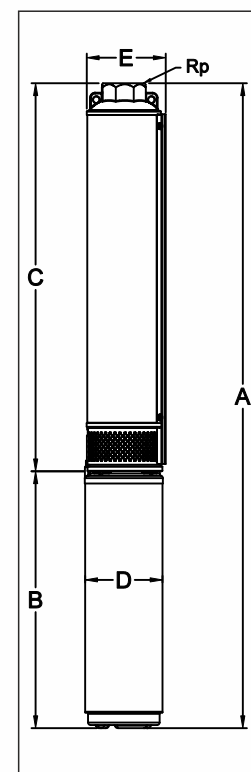


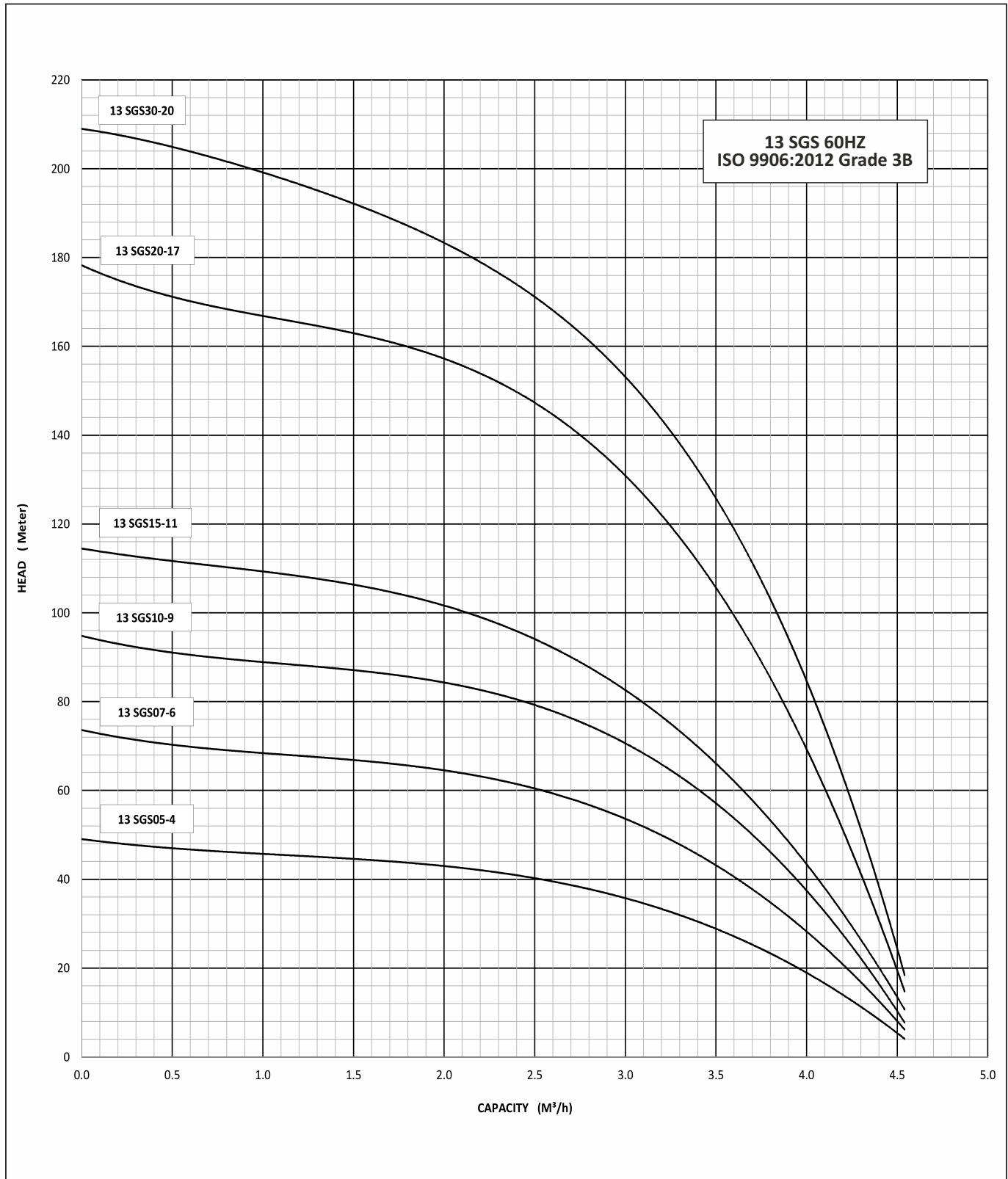
FIG. A

3 WIRE

Pump Type	Motor			DIMENSIONS (mm)						Net weight (Kg)	
	Type	Power (Kw)	Ph	DISCH. SIZE (NPT) Rp	A	B	C	D	E	PUMP	MOTOR
10SGS05- 6	PREMIUM 100	0.37	1	1.25"	622	238	384	95	99	2.7	8.5
			3		651	267					10.1
10SGS07- 9	PREMIUM 100	0.55	1	1.25"	744	267	478	95	99	3.5	9.8
			3		741	263					10.1
10SGS10- 13	PREMIUM 100	0.75	1	1.25"	839	288	551	95	99	4.0	10.8
			3		839	288					11.0
10SGS15- 17	PREMIUM 100	1.1	1	1.25"	1,041	335	706	95	99	5.3	13.0
			3		1,042	336					13.0
10SGS20- 20	PREMIUM 100.5	1.5	1	1.25"	1,270	485	785	95	99	6.0	15.3
			3		1,185	400					15.7
10SGS30- 27	PREMIUM 101	2.2	1	1.25"	1,483	546	937	95	99	7.2	21.5
			3		1,482	545					21.9

PERFORMANCE CURVE

SUBMERSIBLE PUMP 13 SGS



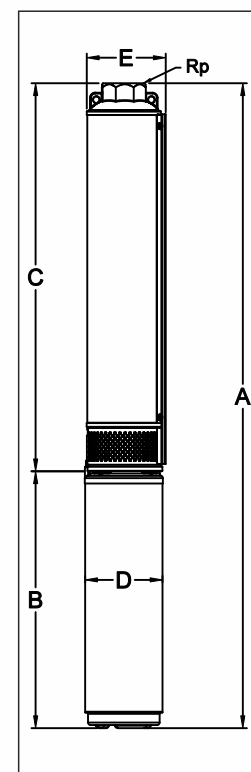
Specifications subject to change without notice.
4" Motor Standard, 3450 RPM

2 WIRE

Pump type	Motor			DIMENSIONS (mm)						Net weight (Kg)	
	TYPE	Power (Kw)	Ph	DISCH. SIZE (NPT) Rp	A	B	C	D	E	PUMP	MOTOR
13 SGS05- 4	PREMIUM 100	0.37	1	1.25"	727	343	384	95	99	2.6	10.4
13SGS07- 6	PREMIUM 100	0.55	1	1.25"	754	371	384	95	99	2.7	11.6
13SGS10- 9	PREMIUM 100	0.75	1	1.25"	871	394	478	95	99	3.5	12.5
13SGS15- 11	PREMIUM 100	1.1	1	1.25"	945	442	503	95	99	3.7	14.8

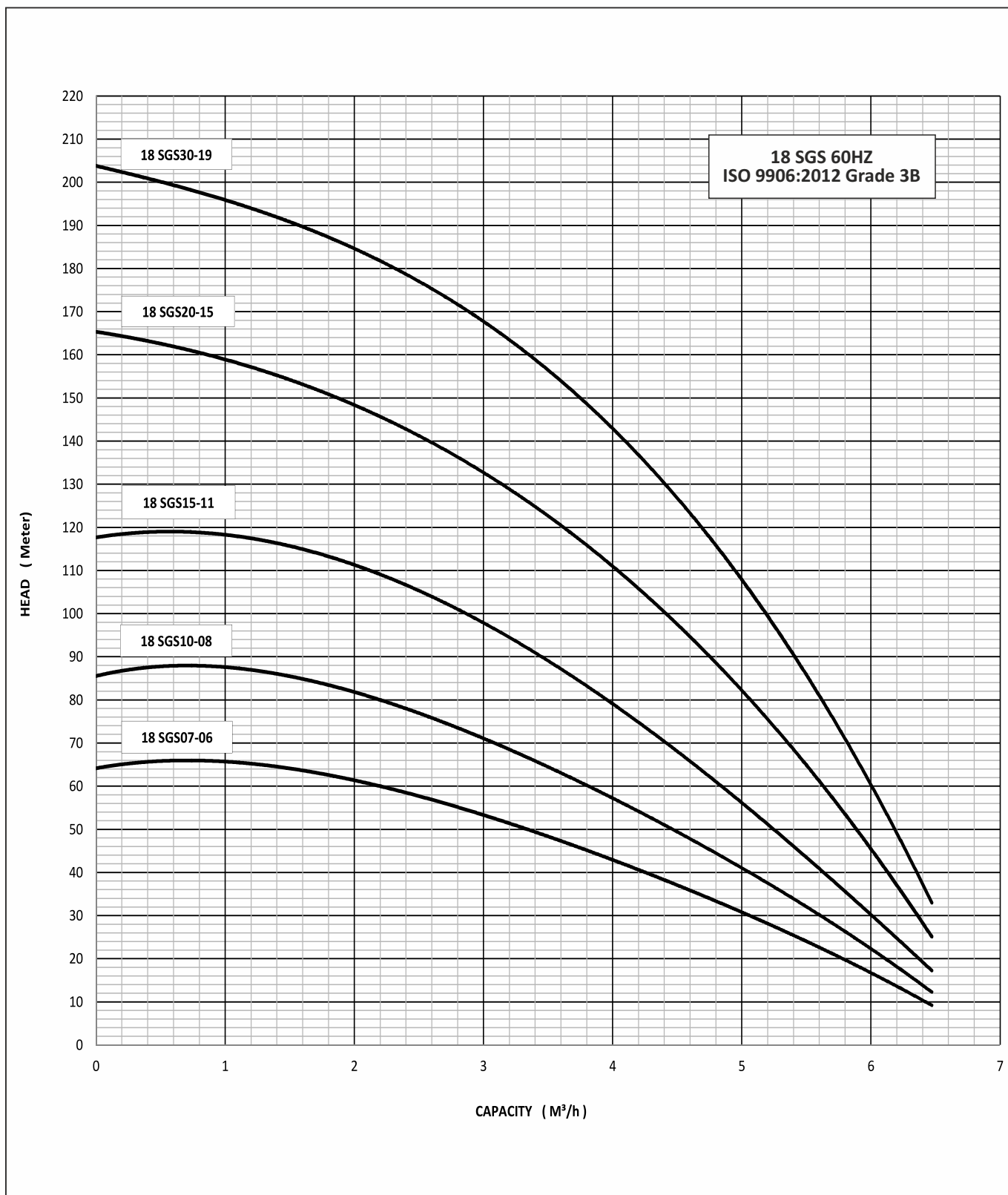
3 WIRE

Pump type	Motor			DIMENSIONS (mm)						Net weight (Kg)	
	Type	Power (Kw)	Ph	DISCH. SIZE	A	B	C	D	E	PUMP	MOTOR
13 SGS05- 4	PREMIUM 100	0.37	1	1.25"	622	238	384	95	99	2.6	8.5
			3		651	267					10.1
13SGS07- 6	PREMIUM 100	0.55	1	1.25"	650	267	384	95	99	2.7	9.8
			3		650	267					10.1
13SGS10- 9	PREMIUM 100	0.75	1	1.25"	766	288	478	95	99	3.5	10.8
			3		766	288					11.0
13SGS15- 11	PREMIUM 100	1.1	1	1.25"	839	336	503	95	99	3.7	13.0
			3		839	336					13.0
13SGS15- 17	PREMIUM 100.5	1.5	1	1.25"	1105	400	705	95	99	5.2	15.3
			3		1105	400					15.7
13SGS20- 20	PREMIUM 101	2.2	1	1.25"	1330	545	785	95	99	6.2	21.5
			3		1330	545					21.9


FIG. A

PERFORMANCE CURVE

SUBMERSIBLE PUMP 18 SGS



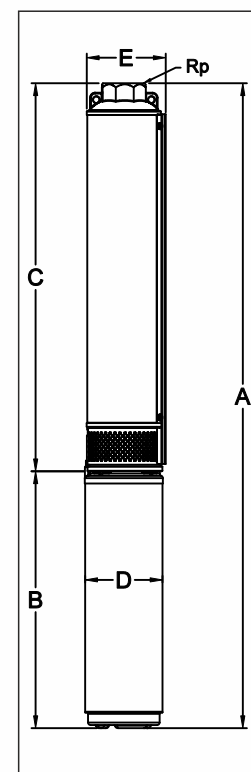
Specifications subject to change without notice.
4" Motor Standard, 3450 RPM

2 WIRE

Pump type	Motor			DIMENSIONS (mm)						Net weight (Kg)	
	TYPE	Power (Kw)	Ph	DISCH. SIZE (NPT) Rp	A	B	C	D	E	PUMP	MOTOR
18 SGS07- 6	PREMIUM 100	0.55	1	1.25"	770	371	399	95	99	2.4	11.6
18 SGS10- 8	PREMIUM 100	0.75	1	1.25"	853	394	460	95	99	2.2	12.5
18 SGS15-11	PREMIUM 100	1.1	1	1.25"	1,003	442	561	95	99	3.6	14.8

3 WIRE

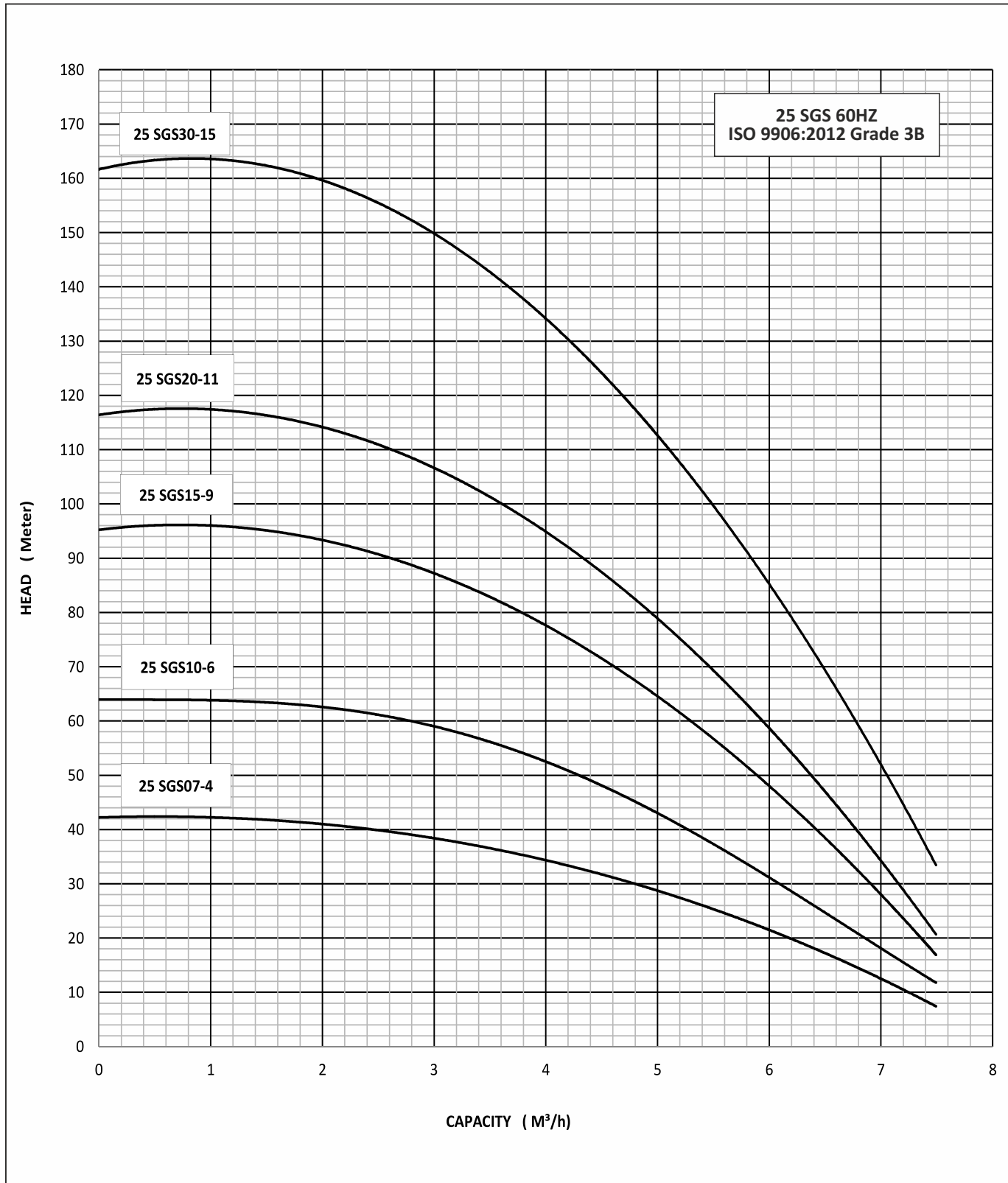
Pump type	Motor			DIMENSIONS (mm)						Net weight (Kg)	
	Type	Power (Kw)	Ph	DISCH. SIZE (NPT) Rp	A	B	C	D	E	PUMP	MOTOR
18 SGS07- 6	PREMIUM 100	0.55	1	1.25"	665	267	399	95	99	2.4	11.0
			3		665	267					10.1
18 SGS10- 8	PREMIUM 100	0.75	1	1.25"	747	287	460	95	99	2.2	11.0
			3		748	288					11.0
18 SGS15-11	PREMIUM 100	1.1	1	1.25"	897	335	561	95	99	3.6	13.0
			3		897	336					13.0
18 SGS20- 15	PREMIUM 100.5	1.5	1	1.25"	1,191	485	706	95	99	4.6	15.7
			3		1,106	400					15.7
18 SGS30- 19	PREMIUM 101	2.2	1	1.25"	1,331	546	785	95	99	5.7	21.9
			3		1,330	545					21.9


FIG. A

PERFORMANCE CURVE



SUBMERSIBLE PUMP 25 SGS



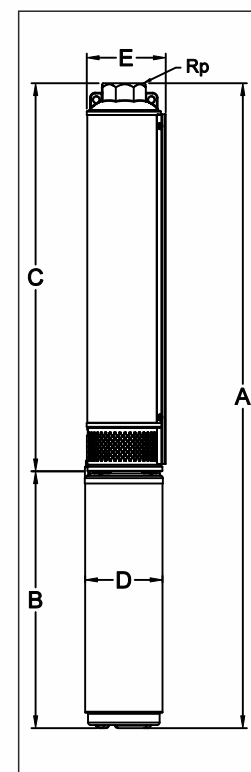
Specifications subject to change without notice.
4" Motor Standard, 3450 RPM

2 WIRE

Pump type	Motor			DIMENSIONS (mm)						Net weight (Kg)	
	TYPE	Power (Kw)	Ph	DISCH. SIZE (NPT) Rp	A	B	C	D	E	PUMP	MOTOR
25 SGS07- 4	PREMIUM 100	0.55	1	1.5"	754	371	384	95	99	2.5	11.6
25 SGS10- 6	PREMIUM 100	0.75	1	1.5"	792	394	399	95	99	2.7	12.5
25 SGS15- 9	PREMIUM 100	1.1	1	1.5"	945	442	503	95	99	3.5	14.8

3 WIRE

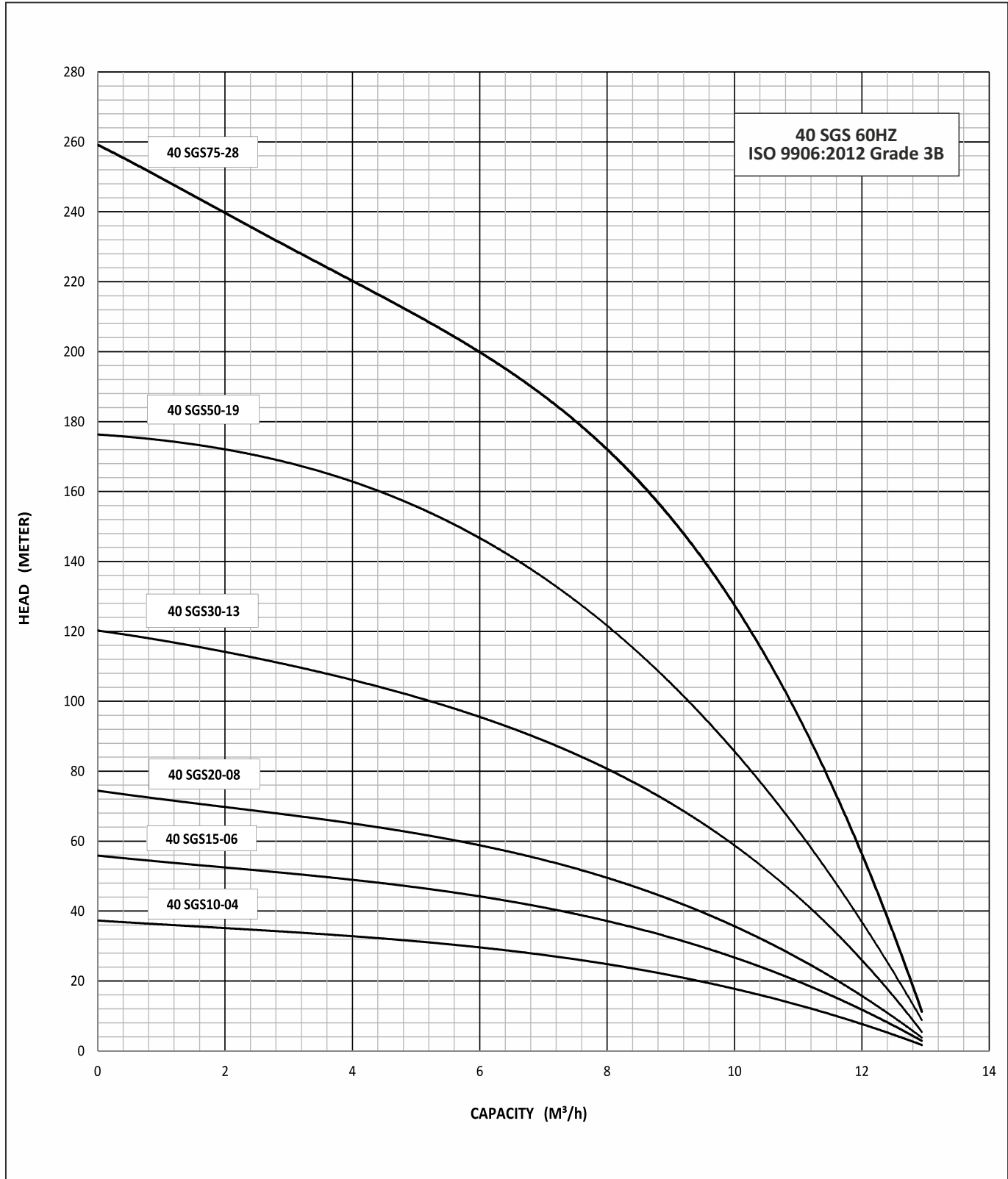
Pump type	Motor			DIMENSIONS (mm)						Net weight (Kg)	
	Type	Power (Kw)	Ph	DISCH. SIZE (NPT)	A	B	C	D	E	PUMP	MOTOR
25 SGS07- 4	PREMIUM 100	0.55	1	1.5"	650	267	384	95	99	2.5	9.8
			3		647	263					10.1
25 SGS10- 6	PREMIUM 100	0.75	1	1.5"	687	288	399	95	99	2.7	10.8
			3		687	288					11.0
25 SGS15- 9	PREMIUM 100	1.1	1	1.5"	839	336	503	95	99	3.5	13.0
			3		839	336					13.0
25 SGS20- 11	PREMIUM 100.5	1.5	1	1.5"	1046	485	561	95	99	4.1	15.3
			3		961	400					15.7
25 SGS30- 15	PREMIUM 101	2.2	1	1.5"	1252	546	706	95	99	5.3	21.5
			3		1251	545					21.9


FIG. A

PERFORMANCE CURVE



SUBMERSIBLE PUMP 40 SGS



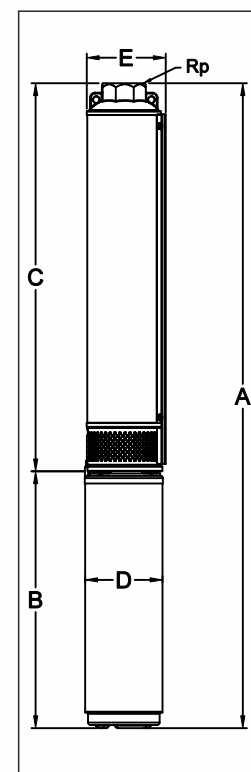
Specifications subject to change without notice.
4" Motor Standard, 3450 RPM

2 WIRE

Pump type	Motor			DIMENSIONS (mm)						Net weight (Kg)	
	TYPE	Power (Kw)	Ph	DISCH. SIZE (NPT) Rp	A	B	C	D	E	PUMP	MOTOR
40 SGS10- 4	PREMIUM 100	0.75	1	1.5"	777	394	384	95	99	2.7	12.5
40 SGS15- 6	PREMIUM 100	1.1	1	1.5"	884	442	442	95	99	3.0	14.8

3 WIRE

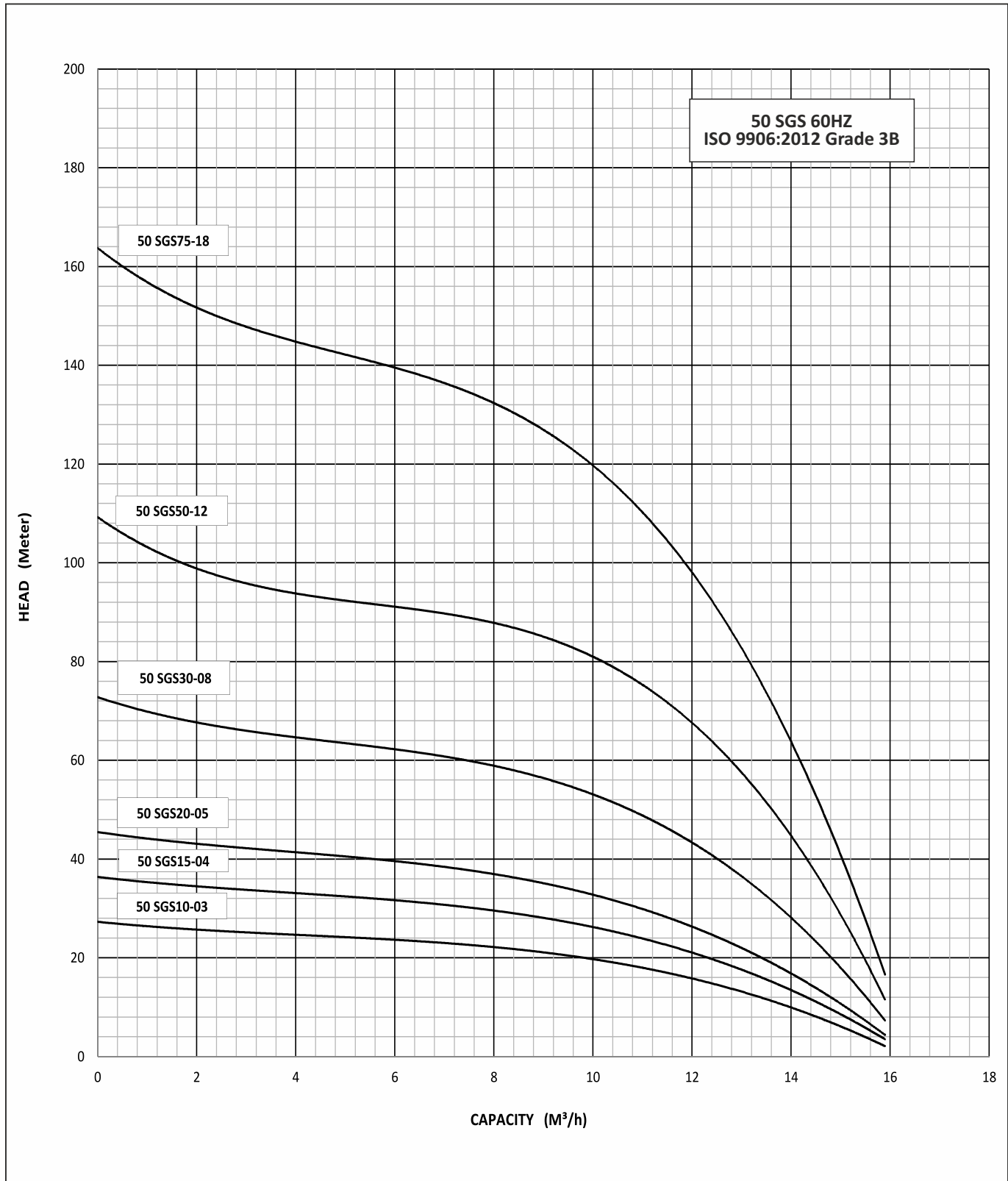
Pump type	Motor			DIMENSIONS (mm)						Net weight (Kg)	
	Type	Power (Kw)	Ph	DISCH. SIZE (NPT) Rp	A	B	C	D	E	PUMP	MOTOR
40 SGS10- 4	PREMIUM 100	0.75	1	1.5"	672	288	384	95	99	2.7	10.8
			3		672	288					11.0
40 SGS15- 6	PREMIUM 100	1.1	1	1.5"	775	336	439	95	99	3.0	13.0
			3		775	336					13.0
40 SGS20- 8	PREMIUM 100.5	1.5	1	1.5"	998	485	513	95	99	4.0	15.3
			3		913	400					15.7
40 SGS30- 13	PREMIUM 101	2.2	1	1.5"	1277	546	731	95	99	5.7	21.5
			3		1276	545					21.9
40 SGS50- 19	PREMIUM 101	3.7	1	1.5"	1644	697	947	95	99	7.3	28.9
			3		1530	583					29.5
40 SGS75- 28	PREMIUM 101	5.5	3	1.5"	1940	774	1310	95	99	8.0	33.1


FIG. A

PERFORMANCE CURVE



SUBMERSIBLE PUMP 50 SGS



2 WIRE

Pump type	Motor			DIMENSIONS (mm)						Net weight (Kg)	
	TYPE	Power (Kw)	Ph	DISCH. SIZE (NPT) Rp	A	B	C	D	E	PUMP	MOTOR
50 SGS10- 3	PREMIUM 100	0.75	1	2.0"	777	394	384	95	99	2.6	12.5
50 SGS15- 4	PREMIUM 100	1.1	1	2.0"	826	442	384	95	99	2.7	14.8

3 WIRE

Pump type	Motor			DIMENSIONS (mm)						Net weight (Kg)	
	Type	Power (Kw)	Ph	DISCH. SIZE (NPT) Rp	A	B	C	D	E	PUMP	MOTOR
50 SGS10- 3	PREMIUM 100	0.75	1	2.0"	672	288	384	95	99	2.6	10.8
			3		672	288					11.0
50 SGS15- 4	PREMIUM 100	1.1	1	2.0"	720	336	384	95	99	2.7	13.0
			3		720	336					13.0
50 SGS20- 5	PREMIUM 100.5	1.5	1	2.0"	947	485	462	95	99	3.3	15.3
			3		862	400					15.7
50 SGS30- 8	PREMIUM 101	2.2	1	2.0"	1106	545	561	95	99	4.1	21.5
			3		1106	545					21.9
50 SGS50- 12	PREMIUM 101	3.7	1	2.0"	1427	696	732	95	99	5.5	28.9
			3		1315	583					29.5
50 SGS75- 18	PREMIUM 101	5.5	3	2.0"	1752	774	978	95	99	7.4	33.1

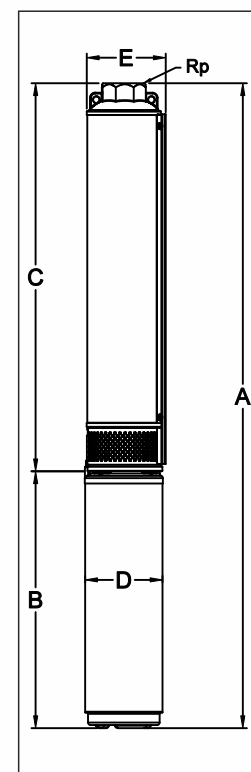
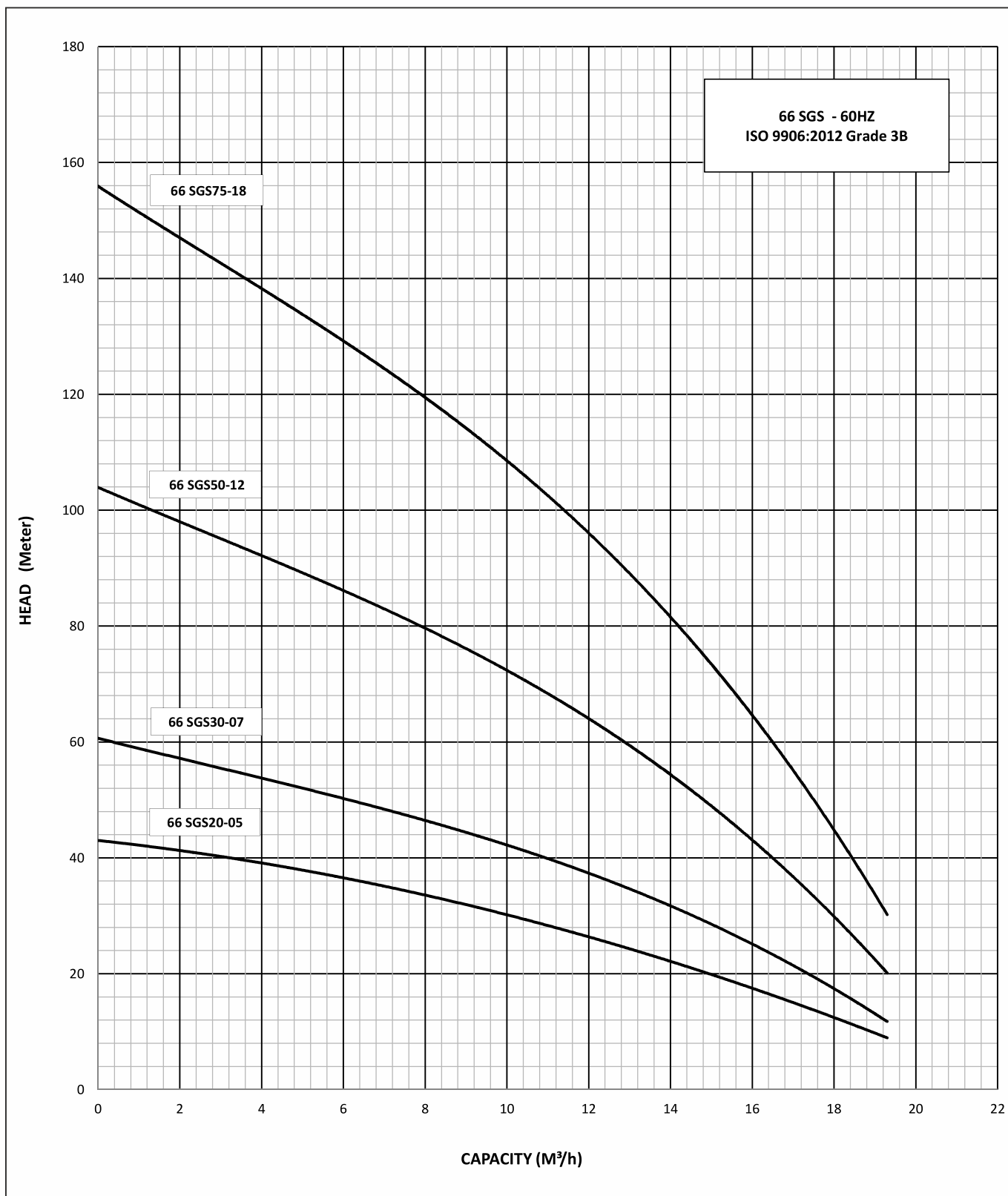


FIG. A

PERFORMANCE CURVE



SUBMERSIBLE PUMP 66 SGS



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

3 WIRE

Pump type	Motor			DIMENSIONS (mm)						Net weight (Kg)	
	Type	Power (Kw)	Ph	DISCH. SIZE (NPT) Rp	A	B	C	D	E	PUMP	MOTOR
66 SGS20- 5	PREMIUM 100.5	1.5	1	2.0"	988	485	503	95	99	3.6	15.3
			3		903	400					15.7
66 SGS30- 7	PREMIUM 101	2.2	1	2.0"	1251	545	706	95	99	5.3	21.5
			3		1251	545					21.9
66 SGS50- 12	PREMIUM 101	3.7	1	2.0"	1634	697	937	95	99	7.0	28.9
			3		1520	583					29.5
66 SGS75- 18	PREMIUM 101	5.5	3	2.0"	2085	774	1311	95	99	10.0	33.1

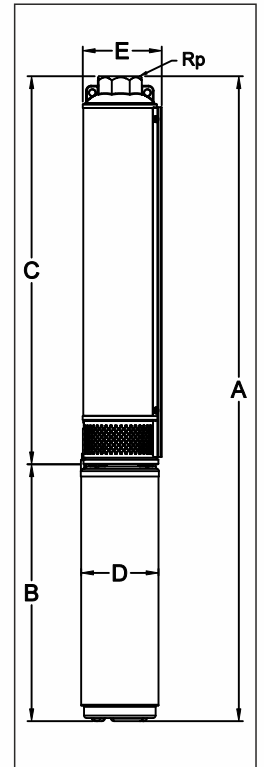
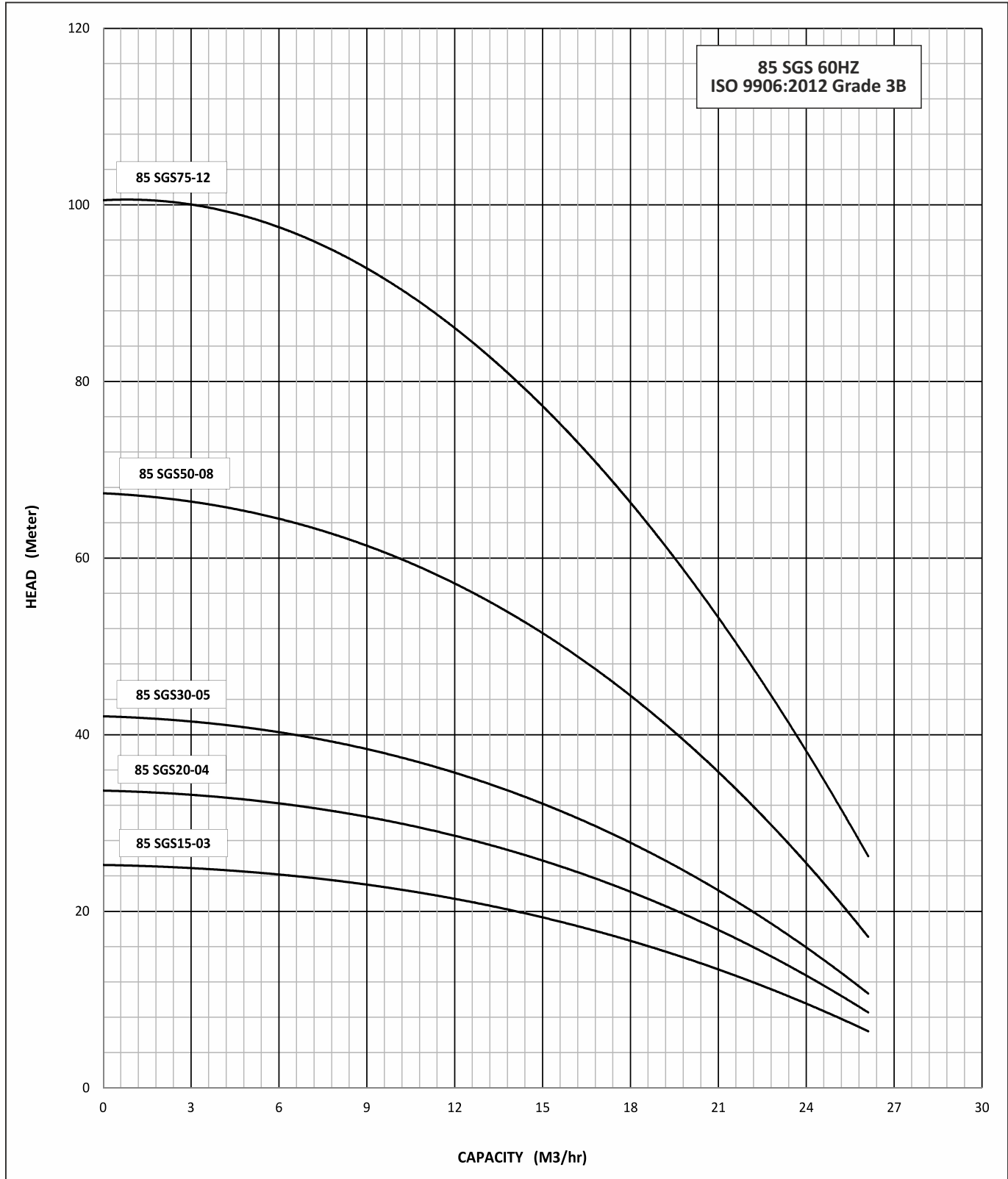


FIG. A

PERFORMANCE CURVE

SUBMERSIBLE PUMP 85 SGS



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

2 WIRE

Pump type	Motor			DIMENSIONS (mm)						Net weight (Kg)	
	TYPE	Power (Kw)	Ph	DISCH. SIZE (NPT) Rp	A	B	C	D	E	PUMP	MOTOR
85 SGS15- 3	PREMIUM 100	1.1	1	2.0"	905	443	462	95	99	3.2	14.8

3 WIRE

Pump type	Motor			DIMENSIONS (mm)						Net weight (Kg)	
	Type	Power (Kw)	Ph	DISCH. SIZE (NPT) Rp	A	B	C	D	E	PUMP	MOTOR
85 SGS15- 3	PREMIUM 100	1.1	1	2.0"	798	336	462	95	99	3.2	13.0
			3		798	336					13.0
85 SGS20- 4	PREMIUM 100.5	1.5	1	2.0"	1036	485	551	95	99	4.0	15.3
			3		951	400					15.7
85 SGS30- 5	PREMIUM 101	2.2	1	2.0"	1277	545	732	95	99	6.0	21.5
			3		1277	545					21.9
85 SGS50- 8	PREMIUM 101	3.7	1	2.0"	1583	697	886	95	99	6.7	28.9
			3		1469	583					29.5
85 SGS75- 12	PREMIUM 101	5.5	3	2.0"	1936	774	1162	95	99	9.7	33.1

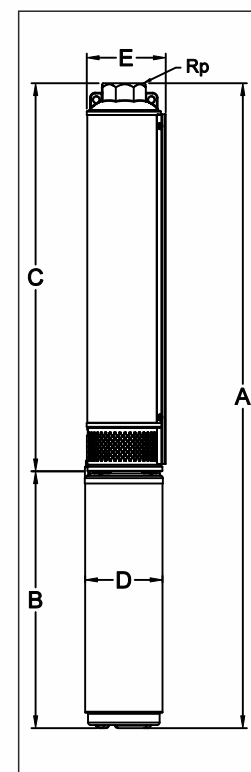
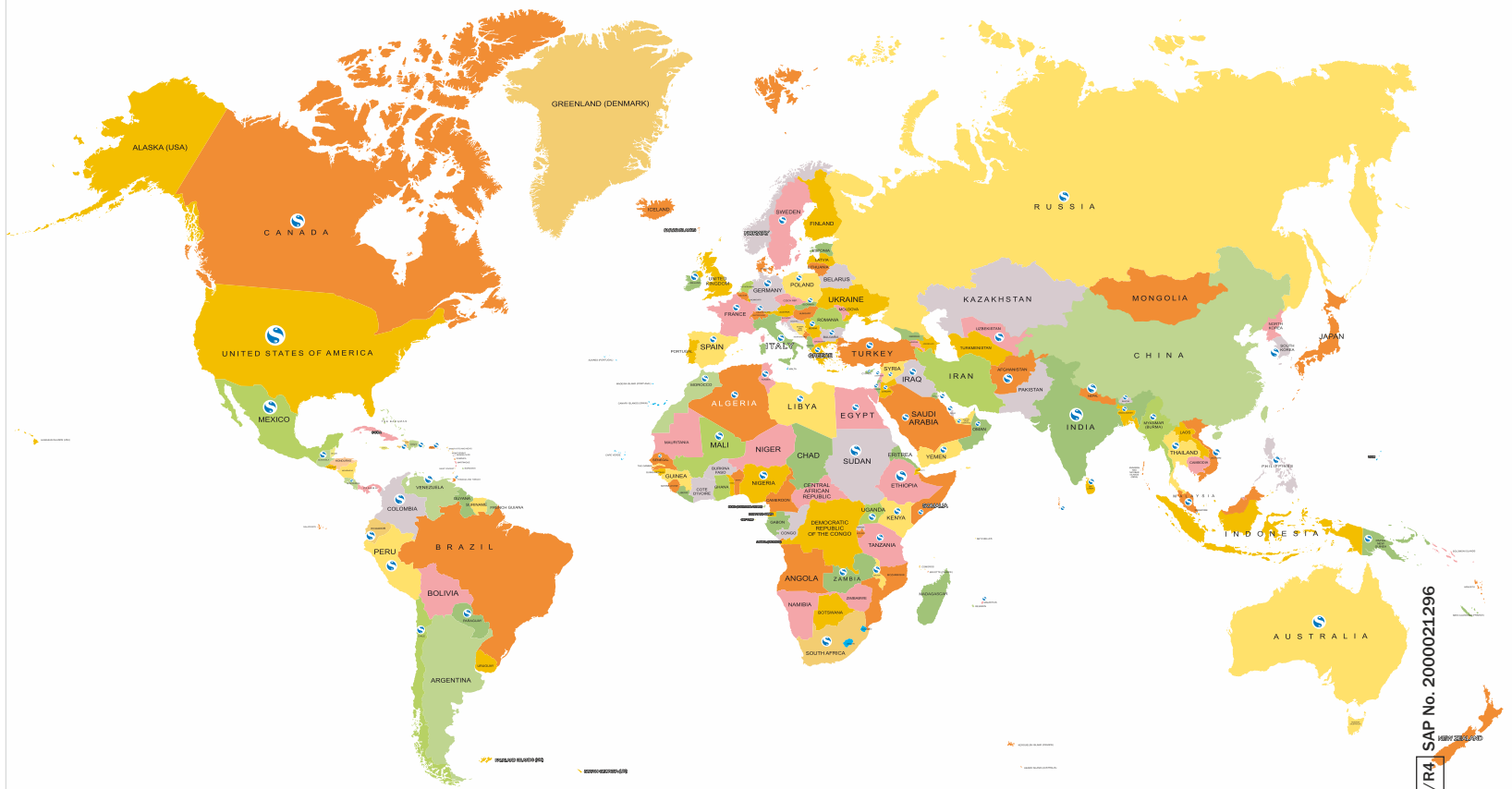


FIG. A



Aug./2025-26/L2/000 VC-0000000 Aug./2025/R4 SAP No. 2000021296



SHAKTI PUMPS (INDIA) LIMITED

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