

FPS4400

50 Hz

System Solutions

Franklin Electric

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4" Submersible Pumps

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FPS4400

4400 Tri-Seal

The standard FPS 4400 4" submersible pump features the new Tri-Seal floating stage system. This new stage system further improves efficiency and protects against wear when pumping abrasives like sand.

Features:

- 300 series stainless steel hub floats with the impeller maintaining a positive seal.
- Phenolic washer provides downthrust protection.
- Celcon® impeller provides high efficiency performance and abrasion resistance.
- Noryl® diffuser and disc - proven abrasion resistant material.
- Floating stage design allows impeller to float independently.
- Removable, spring-loaded check valve.
- Maximum water temperature: 120 °F / 49 °C.
- Ceramic shaft sleeve and rubber discharge bearing protect shaft and eliminate sand wear.
- Powered by Franklin Electric corrosion resistant 4" submersible motors.

Celcon® is a Registered Trademark of the Celanese Corporation.
Noryl® is a Registered Trademark of G.E.

Patented impeller hub seal system seals radially and axially to prevent fluid recirculation, providing high performance in the harshest conditions.

CSA CERTIFIED
PUMP END ONLY

Drinking Water
NSF/ANSI 61

50 Hz Tri-Seal



Tri-Seal™
Floating Stage System

U.S. Patent No. 7,290,984

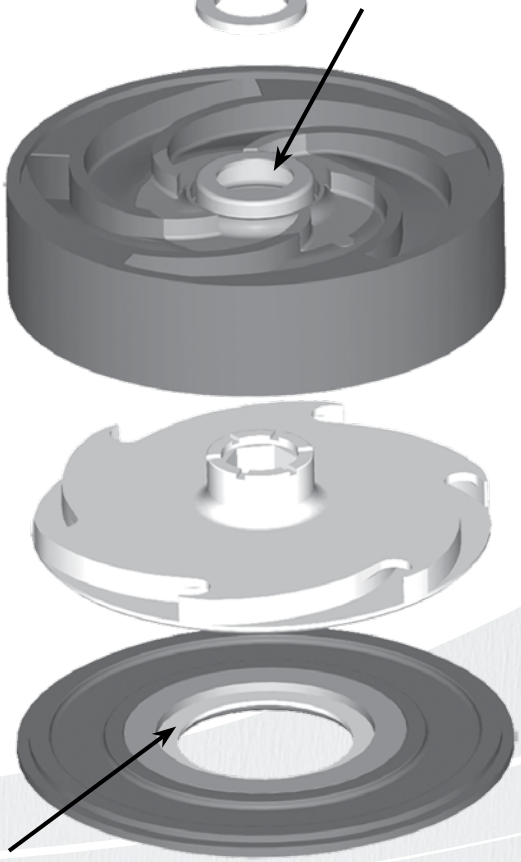


Seal 1

Phenolic washer provides axial sealing as impeller floats in the stage.

Seal 2

Stainless steel hub seal is captured but not stationary, floating with the impeller for maximum sealing.



Seal 3

Stainless steel impeller eye seal.

FPS 4400

FPS

18 LPM Tri-Seal

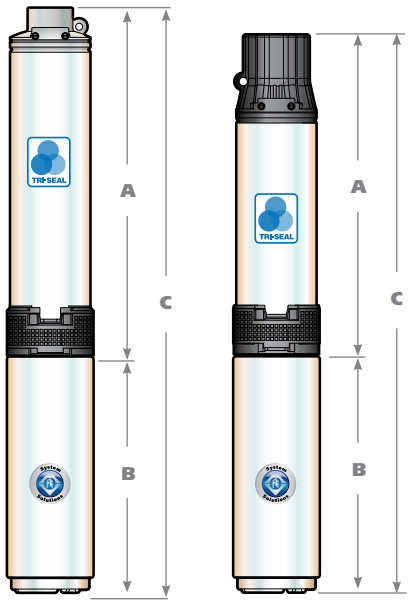
18 LPM Tri-Seal Ordering Information

Plastic

LPM	HP	kW	Stages	Model Description	Order No.
18	1/2	0.37	9	18FA05P4-PEXB	95690506
	3/4	0.55	13	18FA07P4-PEXB	95690511
	1	0.75	17	18FA1P4-PEXB	95690516
	1.5	1.1	26	18FA15P4-PEXB	95690521

Stainless Steel

LPM	HP	kW	Stages	Model Description	Order No.
18	1/2	0.37	9	18FA05S4-PEXB	95710506
	3/4	0.55	13	18FA07S4-PEXB	95710511
	1	0.75	17	18FA1S4-PEXB	95710516
	1.5	1.1	26	18FA15S4-PEXB	95710521
	2	1.5	35	18FA2S4-PEXB	95710526



18 LPM Tri-Seal Dimensional Data

Plastic

LPM	HP	kW	3-Phase			3-Wire			P.E. Weight (kg)
			A (mm)	B (mm)	C (mm)	A (mm)	B (mm)	C (mm)	
18	1/2	0.37	370	242	611	370	242	611	3
	3/4	0.55	453	270	724	453	270	724	4
	1	0.75	535	298	833	535	298	833	5
	1.5	1.1	775	298	1073	775	345	1120	6

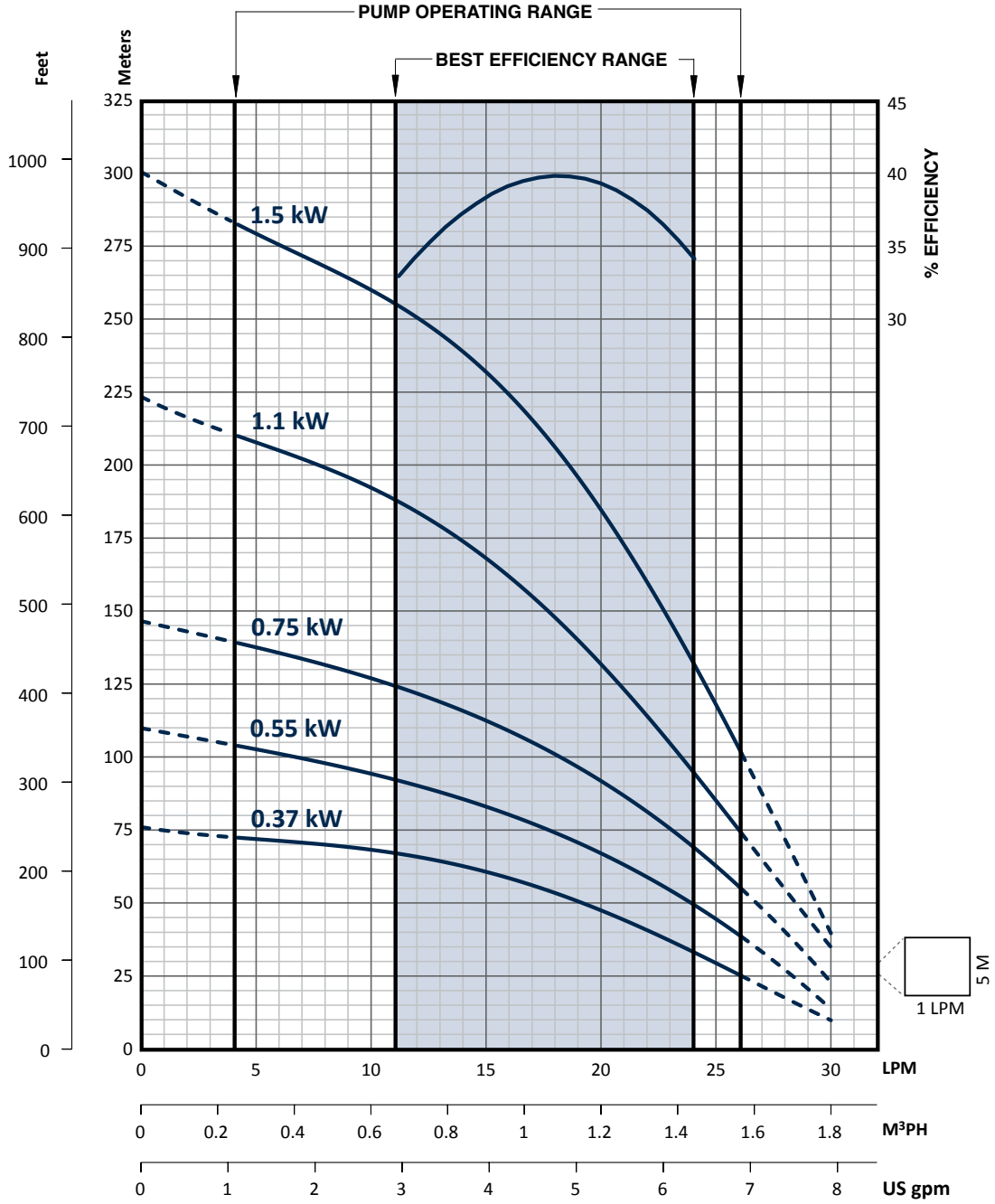
Stainless Steel

LPM	HP	kW	3-Phase			3-Wire			P.E. Weight (kg)
			A (mm)	B (mm)	C (mm)	A (mm)	B (mm)	C (mm)	
18	1/2	0.37	366	242	607	366	242	607	4
	3/4	0.55	449	270	719	449	270	719	5
	1	0.75	533	298	831	533	298	831	6
	1.5	1.1	774	298	1072	774	345	1119	7
	2	1.5	961	345	1307	961	384	1345	8

Note: P.E. – Pump end only
Product dimensions assume the FPS pump end is assembled to a 4" Franklin Electric submersible motor.
Maximum diameter with cable guard is 99.1 mm

50 Hz Tri-Seal

18 LPM Tri-Seal Performance Curves



FPS

25 LPM Tri-Seal

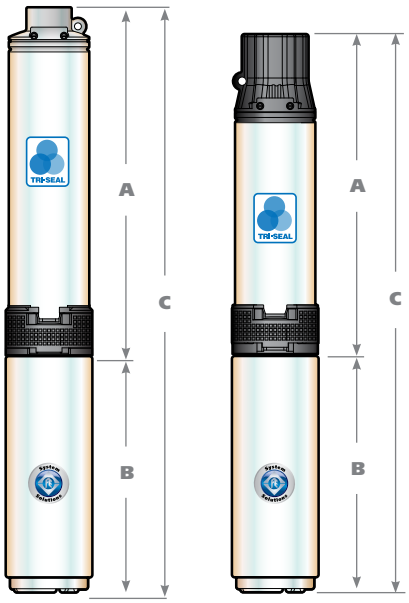
25 LPM Tri-Seal Ordering Information

Plastic

LPM	HP	kW	Stages	Model Description	Order No.
25	1/2	0.37	8	25FA05P4-PEXB	95690706
	3/4	0.55	12	25FA07P4-PEXB	95690711
	1	0.75	16	25FA1P4-PEXB	95690716
	1.5	1.1	24	25FA15P4-PEXB	95690721

Stainless Steel

LPM	HP	kW	Stages	Model Description	Order No.
25	1/2	0.37	8	25FA05S4-PEXB	95710706
	3/4	0.55	12	25FA07S4-PEXB	95710711
	1	0.75	16	25FA1S4-PEXB	95710716
	1.5	1.1	24	25FA15S4-PEXB	95710721
	2	1.5	32	25FA2S4-PEXB	95710726



25 LPM Tri-Seal Dimensional Data

Plastic

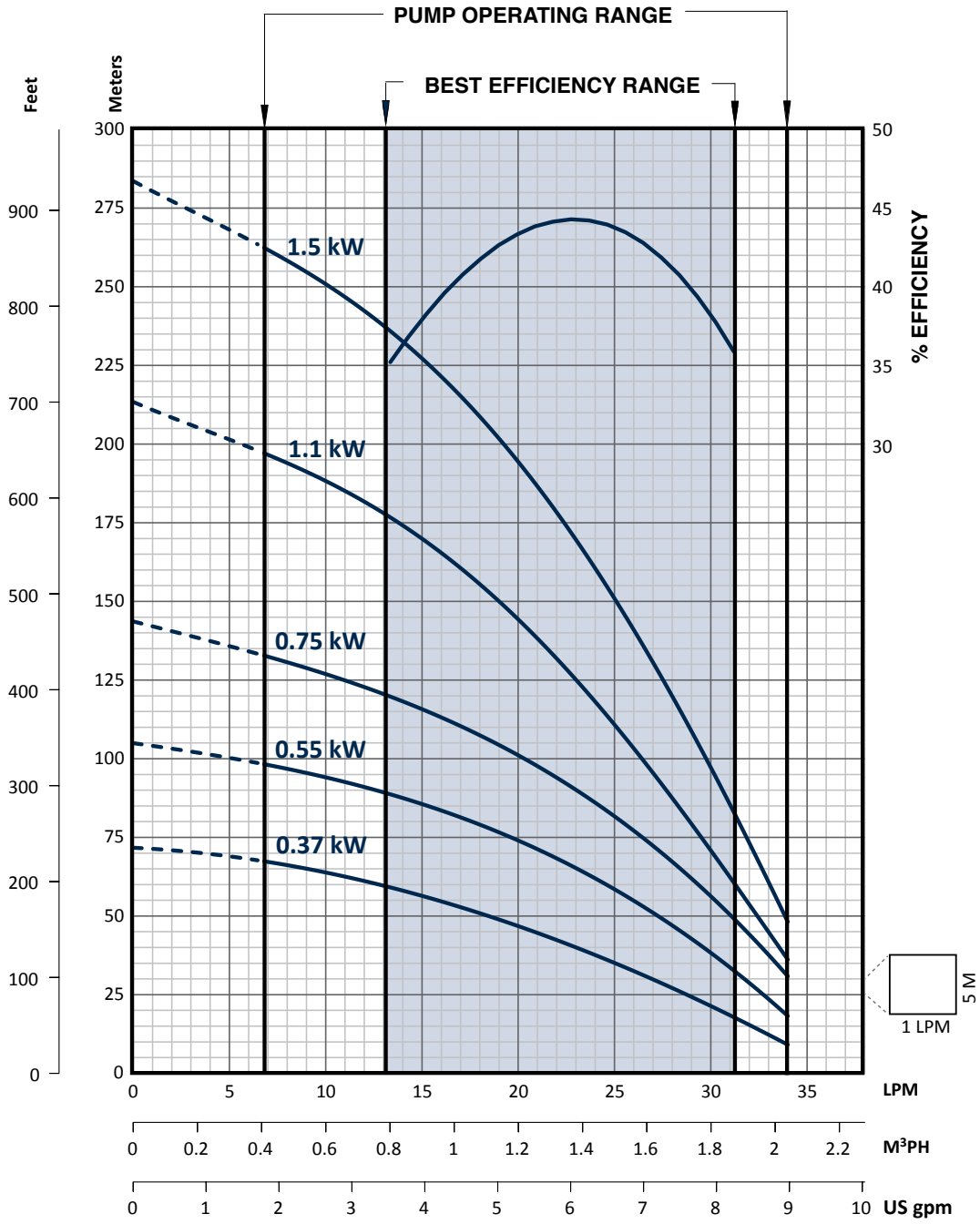
LPM	HP	kW	3-Phase			3-Wire			P.E. Weight (kg)
			A (mm)	B (mm)	C (mm)	A (mm)	B (mm)	C (mm)	
25	1/2	0.37	349	242	591	349	242	591	2
	3/4	0.55	431	270	702	431	270	702	3
	1	0.75	514	298	812	514	298	812	5
	1.5	1.1	680	298	978	680	345	1026	6

Stainless Steel

LPM	HP	kW	3-Phase			3-Wire			P.E. Weight (kg)
			A (mm)	B (mm)	C (mm)	A (mm)	B (mm)	C (mm)	
25	1/2	0.37	345	242	586	345	242	586	3
	3/4	0.55	428	270	699	428	270	699	5
	1	0.75	512	298	810	512	298	810	6
	1.5	1.1	679	298	977	679	345	1024	7
	2	1.5	899	345	1244	899	384	1282	9

Note: P.E. – Pump end only
Product dimensions assume the FPS pump end is assembled to a 4" Franklin Electric submersible motor.
Maximum diameter with cable guard is 99.1 mm

25 LPM Tri-Seal Performance Curves



FPS

30 LPM Tri-Seal

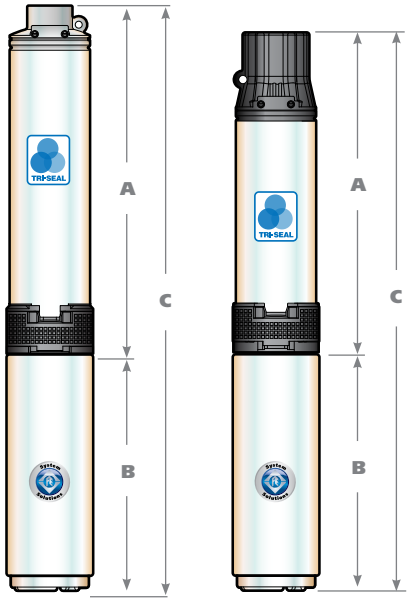
30 LPM Tri-Seal Ordering Information

Plastic

LPM	HP	kW	Stages	Model Description	Order No.
30	1/2	0.37	6	30FA05P4-PEXB	95691006
	3/4	0.55	8	30FA07P4-PEXB	95691011
	1	0.75	12	30FA1P4-PEXB	95691016
	1.5	1.1	18	30FA15P4-PEXB	95691021

Stainless Steel

LPM	HP	kW	Stages	Model Description	Order No.
30	1/2	0.37	6	30FA05S4-PEXB	95711006
	3/4	0.55	8	30FA07S4-PEXB	95711011
	1	0.75	12	30FA1S4-PEXB	95711016
	1.5	1.1	18	30FA15S4-PEXB	95711021
	2	1.5	24	30FA2S4-PEXB	95711026
	3	2.2	37	30FA3S4-PEXB	95711031
	5	3.7	59	30FA5S4-PEXB	95711036
	7.5	5.5	78	30FA7S4-PEXB	95711041



30 LPM Tri-Seal Dimensional Data

Plastic

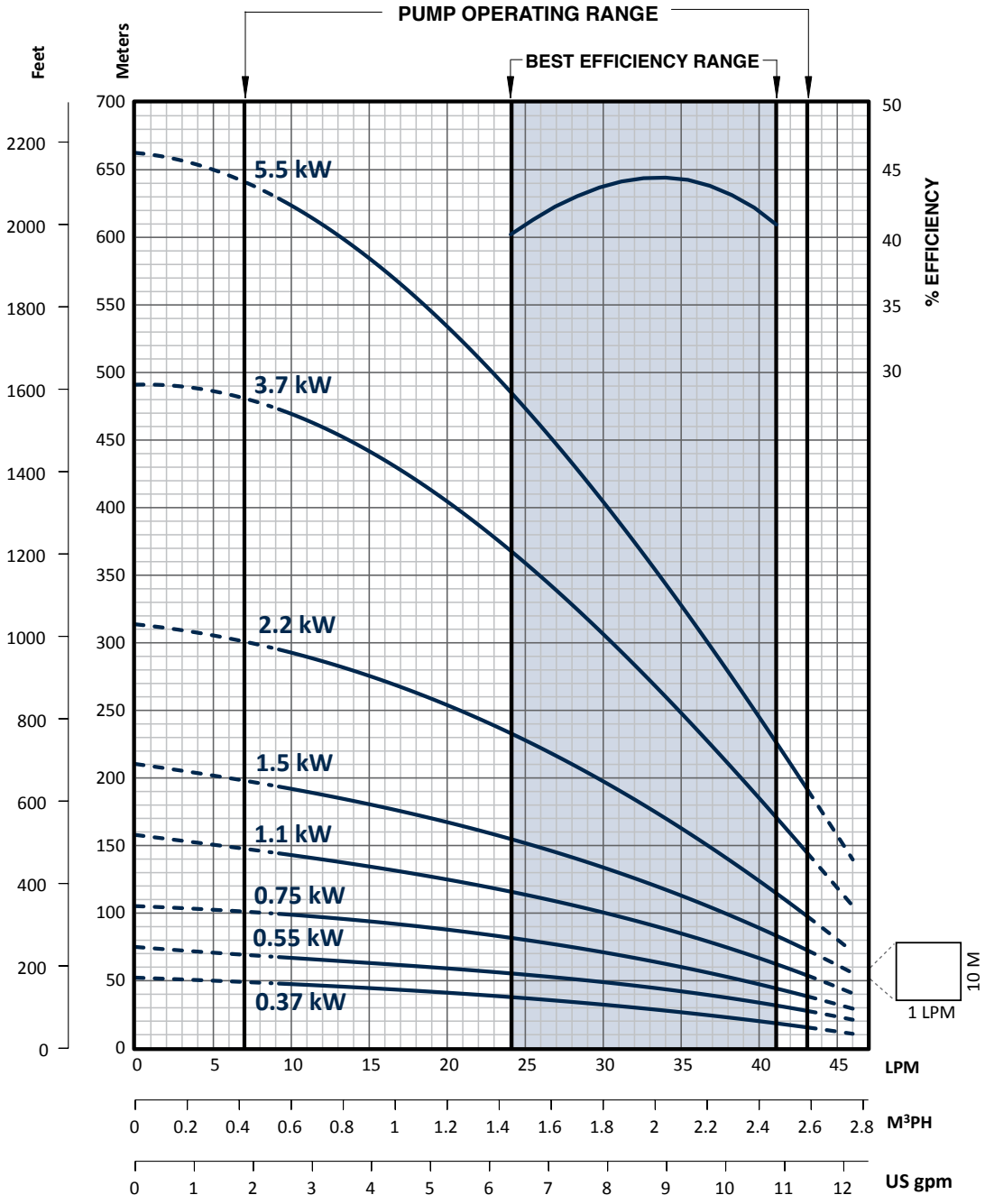
LPM	HP	kW	3-Phase			3-Wire			P.E. Weight (kg)
			A (mm)	B (mm)	C (mm)	A (mm)	B (mm)	C (mm)	
30	1/2	0.37	320	242	561	320	242	561	2
	3/4	0.55	364	270	634	364	270	634	3
	1	0.75	465	298	763	465	298	763	3
	1.5	1.1	647	298	945	647	345	992	5

Stainless Steel

LPM	HP	kW	3-Phase			3-Wire			P.E. Weight (kg)
			A (mm)	B (mm)	C (mm)	A (mm)	B (mm)	C (mm)	
30	1/2	0.37	315	242	556	315	242	556	4
	3/4	0.55	359	270	629	359	270	629	4
	1	0.75	453	298	751	453	298	751	5
	1.5	1.1	642	298	940	642	345	987	7
	2	1.5	780	345	1125	780	384	1163	8
	3	2.2	1076	407	1484	1076	484	1560	9
	5	3.7	1676	589	2265	1676	741	2417	15
	7.5	5.5	2166	741	2907	N/A	N/A	N/A	19

Note: P.E. – Pump end only
Product dimensions assume the FPS pump end is assembled to a 4" Franklin Electric submersible motor.
Maximum diameter with cable guard is 99.1 mm

30 LPM Tri-Seal Performance Curves



45 LPM Tri-Seal

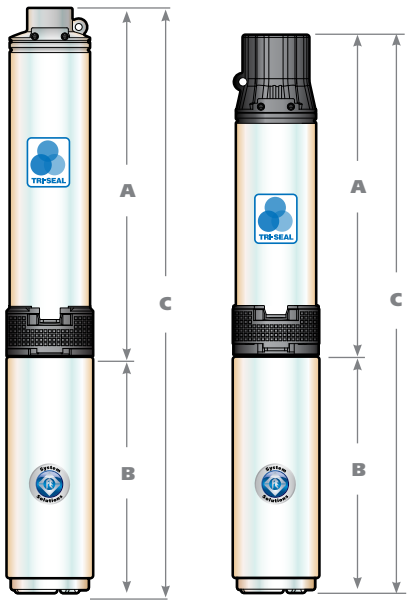
45 LPM Tri-Seal Ordering Information

Plastic

LPM	HP	kW	Stages	Model Description	Order No.
45	1/2	0.37	4	45FA05P4-PEXB	95691506
	3/4	0.55	8	45FA07P4-PEXB	95691511
	1	0.75	10	45FA1P4-PEXB	95691516
	1.5	1.1	15	45FA15P4-PEXB	95691521

Stainless Steel

LPM	HP	kW	Stages	Model Description	Order No.
45	1/2	0.37	4	45FA05S4-PEXB	95711506
	3/4	0.55	8	45FA07S4-PEXB	95711511
	1	0.75	10	45FA1S4-PEXB	95711516
	1.5	1.1	15	45FA15S4-PEXB	95711521
	2	1.5	19	45FA2S4-PEXB	95711526
	3	2.2	31	45FA3S4-PEXB	95711531
	5	3.7	46	45FA5S4-PEXB	95711536
	7.5	5.5	62	45FA7S4-PEXB	95711541



45 LPM Tri-Seal Dimensional Data

Plastic

LPM	HP	kW	3-Phase			3-Wire			P.E. Weight (kg)
			A (mm)	B (mm)	C (mm)	A (mm)	B (mm)	C (mm)	
45	1/2	0.37	279	242	520	281	241	522	2
	3/4	0.55	363	270	633	363	270	633	3
	1	0.75	410	298	708	410	298	708	3
	1.5	1.1	525	298	823	525	345	871	5

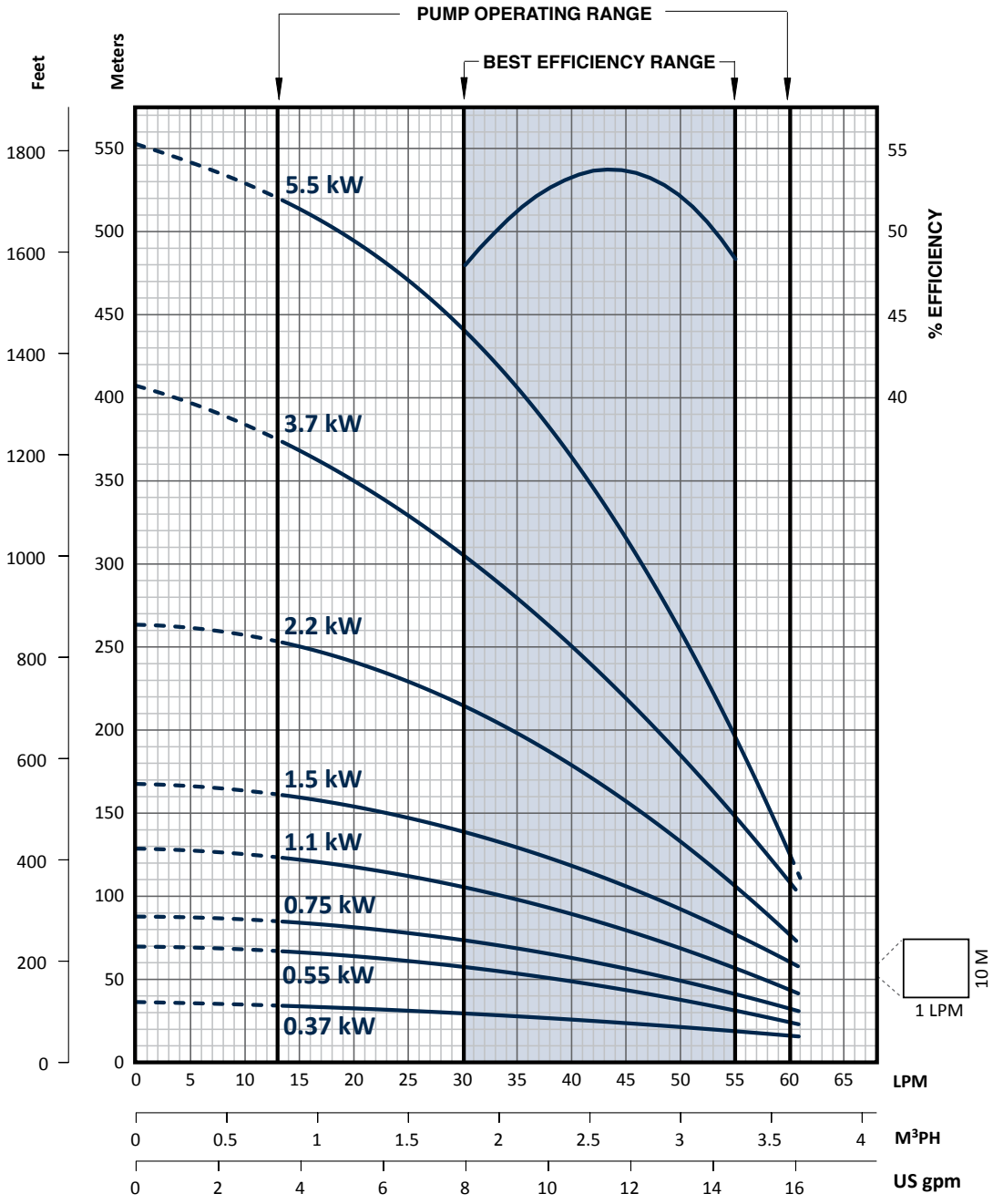
Stainless Steel

LPM	HP	kW	3-Phase			3-Wire			P.E. Weight (kg)
			A (mm)	B (mm)	C (mm)	A (mm)	B (mm)	C (mm)	
45	1/2	0.37	269	242	510	269	242	510	3
	3/4	0.55	361	270	631	361	270	631	4
	1	0.75	407	298	705	407	298	705	4
	1.5	1.1	521	298	819	521	345	867	6
	2	1.5	665	345	1010	665	384	1048	7
	3	2.2	940	407	1347	940	484	1423	9
	5	3.7	1379	589	1968	1379	741	2120	14
	7.5	5.5	1745	741	2486	N/A	N/A	N/A	18

Note: P.E. – Pump end only
Product dimensions assume the FPS pump end is assembled to a 4" Franklin Electric submersible motor.
Maximum diameter with cable guard is 99.1 mm

50 Hz Tri-Seal

45 LPM Tri-Seal Performance Curves



FPS

60 LPM Tri-Seal

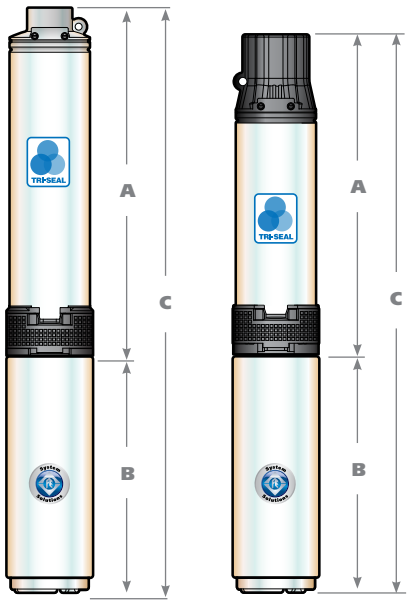
60 LPM Tri-Seal Ordering Information

Plastic

LPM	HP	kW	Stages	Model Description	Order No.
60	3/4	0.55	6	60FA07P4-PEXB	95692006
	1	0.75	8	60FA1P4-PEXB	95692011
	1.5	1.1	11	60FA15P4-PEXB	95692016

Stainless Steel

LPM	HP	kW	Stages	Model Description	Order No.
60	3/4	0.55	6	60FA07S4-PEXB	95712006
	1	0.75	8	60FA1S4-PEXB	95712011
	1.5	1.1	11	60FA15S4-PEXB	95712016
	2	1.5	16	60FA2S4-PEXB	95712021
	3	2.2	26	60FA3S4-PEXB	95712026
	5	3.7	39	60FA5S4-PEXB	95712036
	7.5	5.5	52	60FA7S4-PEXB	95712041



60 LPM Tri-Seal Dimensional Data

Plastic

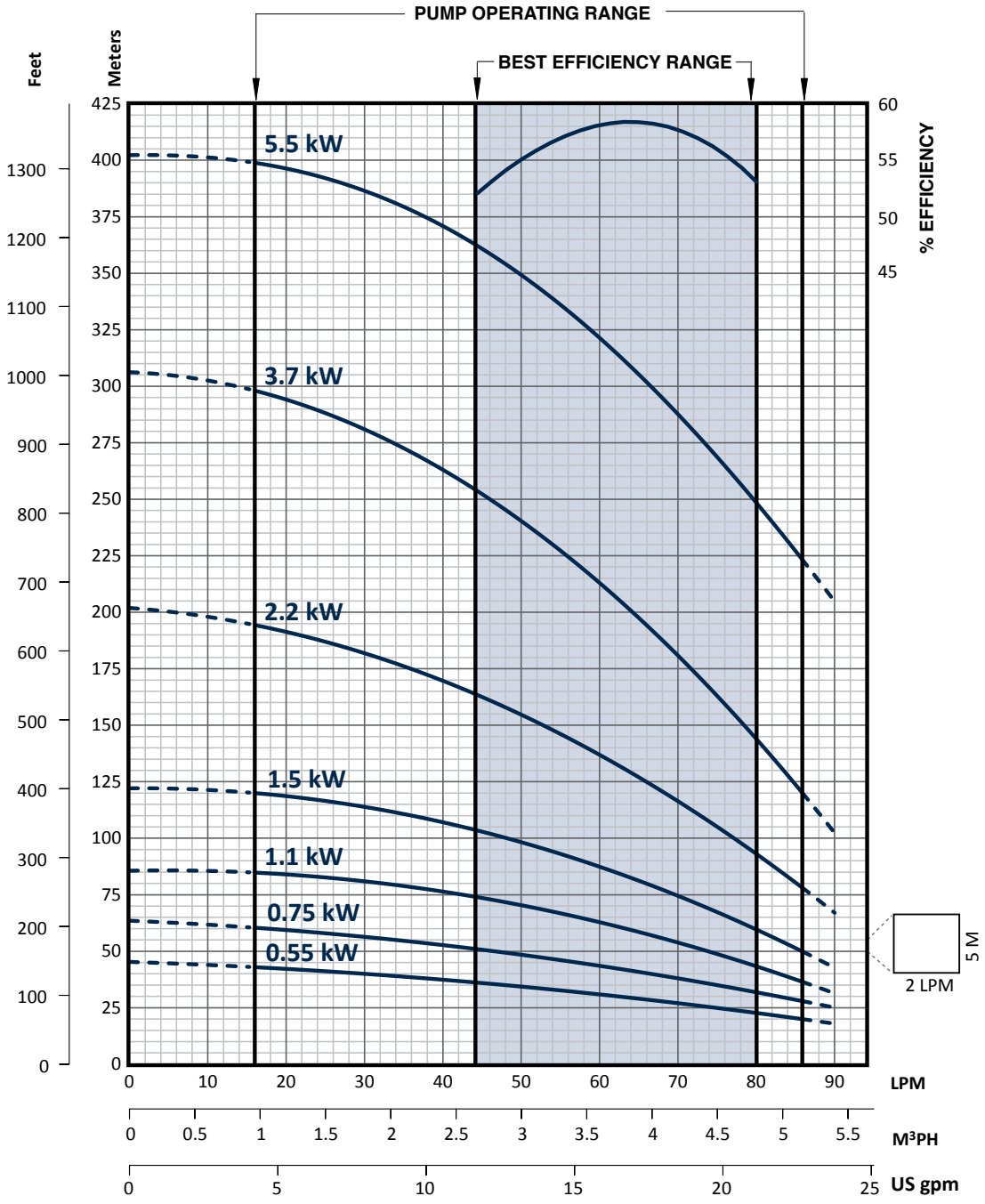
LPM	HP	kW	3-Phase			3-Wire			P.E. Weight (kg)
			A (mm)	B (mm)	C (mm)	A (mm)	B (mm)	C (mm)	
60	3/4	0.55	368	270	639	368	270	639	3
	1	0.75	430	298	728	430	298	728	4
	1.5	1.1	524	298	822	524	345	870	4

Stainless Steel

LPM	HP	kW	3-Phase			3-Wire			P.E. Weight (kg)
			A (mm)	B (mm)	C (mm)	A (mm)	B (mm)	C (mm)	
60	3/4	0.55	364	270	634	364	270	634	4
	1	0.75	426	298	724	426	298	724	4
	1.5	1.1	520	298	818	520	345	865	6
	2	1.5	674	345	1020	674	384	1058	6
	3	2.2	1038	407	1445	1038	484	1522	8
	5	3.7	1544	589	2133	1544	741	2285	13
	7.5	5.5	1948	741	2689	N/A	N/A	N/A	16

Note: P.E. – Pump end only
Product dimensions assume the FPS pump end is assembled to a 4" Franklin Electric submersible motor.
Maximum diameter with cable guard is 99.1 mm

60 LPM Tri-Seal Performance Curves



70 LPM Tri-Seal

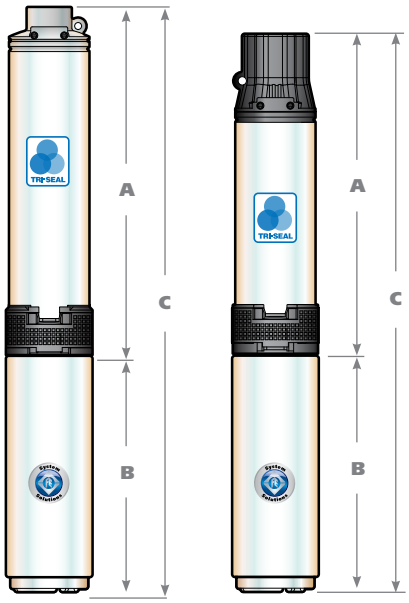
70 LPM Tri-Seal Ordering Information

Plastic

LPM	HP	kW	Stages	Model Description	Order No.
70	1	0.75	7	70FA1P4-PEXB	95692506
	1.5	1.1	10	70FA15P4-PEXB	95692511

Stainless Steel

LPM	HP	kW	Stages	Model Description	Order No.
70	1	0.75	7	70FA1S4-PEXB	95712506
	1.5	1.1	10	70FA15S4-PEXB	95712511
	2	1.5	14	70FA2S4-PEXB	95712516
	3	2.2	22	70FA3S4-PEXB	95712521
	5	3.7	35	70FA5S4-PEXB	95712536
	7.5	5.5	44	70FA7S4-PEXB	95712541



70 LPM Tri-Seal Dimensional Data

Plastic

LPM	HP	kW	3-Phase			3-Wire			P.E. Weight (kg)
			A (mm)	B (mm)	C (mm)	A (mm)	B (mm)	C (mm)	
70	1	0.75	399	298	697	399	298	697	4
	1.5	1.1	493	298	791	493	345	839	5

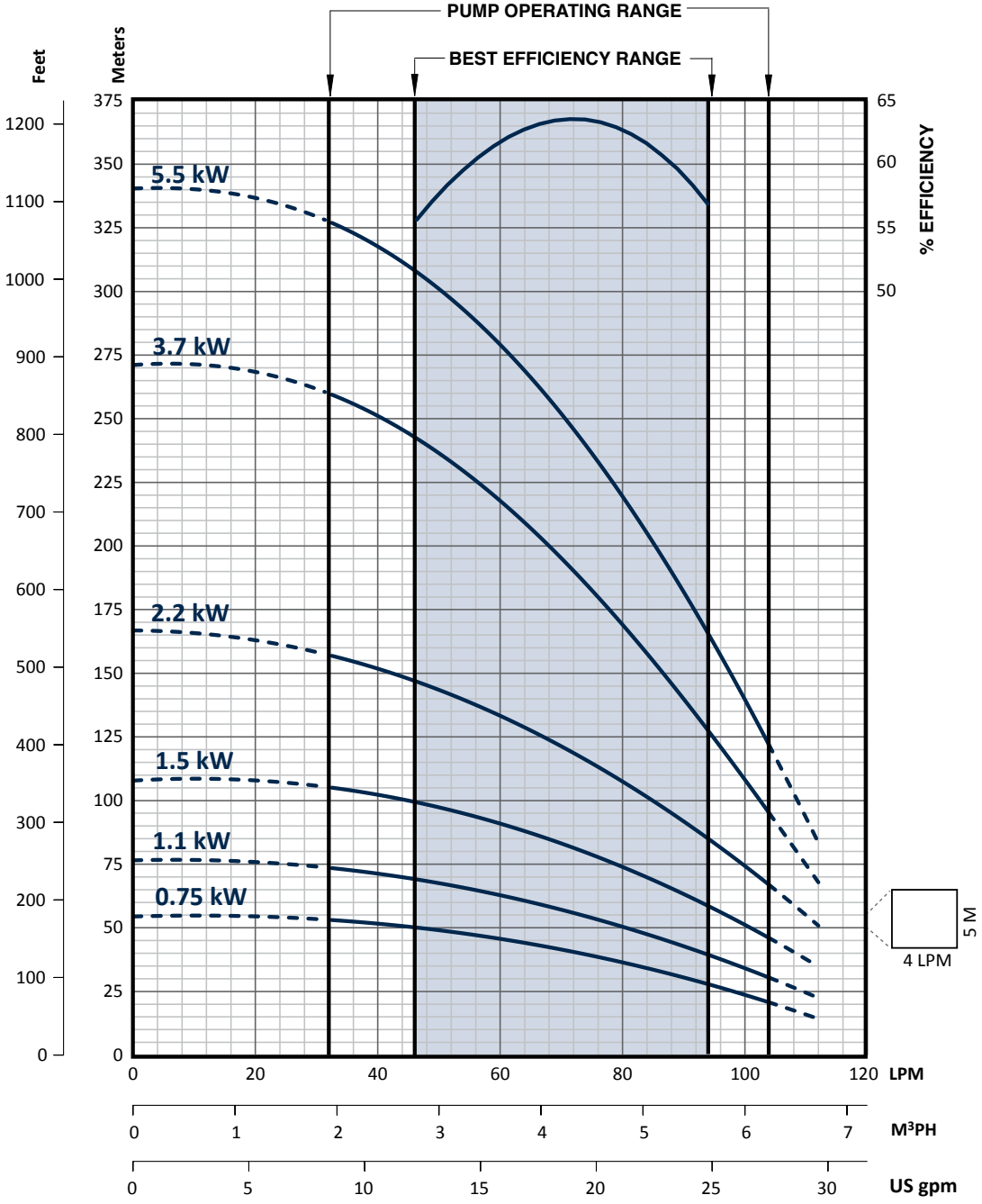
Stainless Steel

LPM	HP	kW	3-Phase			3-Wire			P.E. Weight (kg)
			A (mm)	B (mm)	C (mm)	A (mm)	B (mm)	C (mm)	
70	1	0.75	395	298	693	395	298	693	4
	1.5	1.1	488	298	786	488	345	834	5
	2	1.5	612	345	958	612	384	996	6
	3	2.2	913	407	1321	913	484	1397	7
	5	3.7	1420	589	2009	1420	741	2161	12
	7.5	5.5	1699	741	2440	N/A	N/A	N/A	14

Note: P.E. – Pump end only
Product dimensions assume the FPS pump end is assembled to a 4" Franklin Electric submersible motor.
Maximum diameter with cable guard is 99.1 mm

50 Hz Tri-Seal

70 LPM Tri-Seal Performance Curves



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