

4"

Submersible Pumps

FPS 4400

SANDHANDLER 50 Hz



Franklin Electric

4" Submersible Pumps

Standard 4" FPS4400

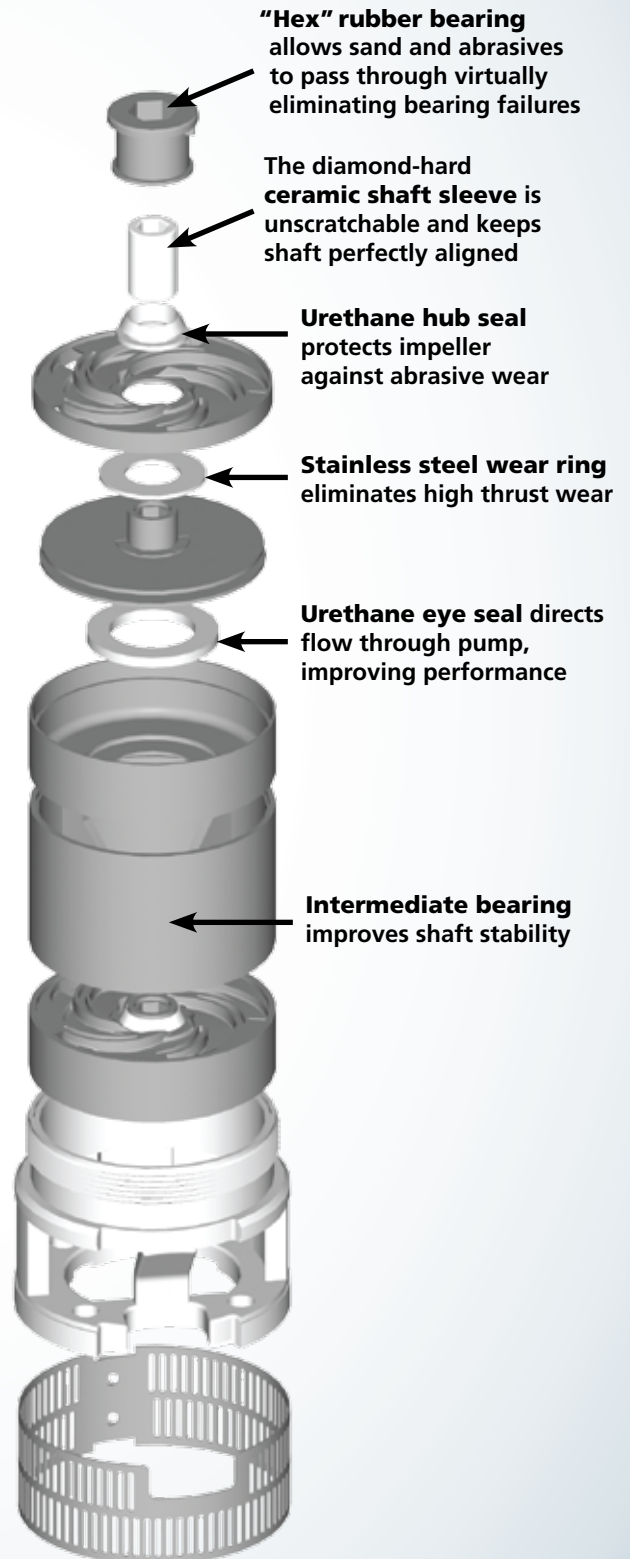
Features:

- 5 performance ranges: 1, 1.5, 2, 3 & 4 M³/H.
- Ceramic shaft sleeve and rubber discharge bearing protect shaft and eliminate sand wear.
- An intermediate bearing provides improved shaft stability in all units that are greater than or equal to 1.5 kW, or longer than 24" (610mm) in length.
- Thermoplastic impellers and stages for maximum efficiency.
- Thermoplastic and stainless steel models include built-in Flomatic check valve.
- Urethane Eye & Hub Seals are remarkably resistant to abrasives, allowing sand and other abrasives to pass through each stage without wear or damage.
- Powered by Franklin Electric's corrosion-resistant 4" submersible motor.
- Maximum water temperature 50°C (120°F).
- Robust discharge head design with 1-1/4" BSPP Discharge threads.

High Capacity 4" FPS4400

Features:

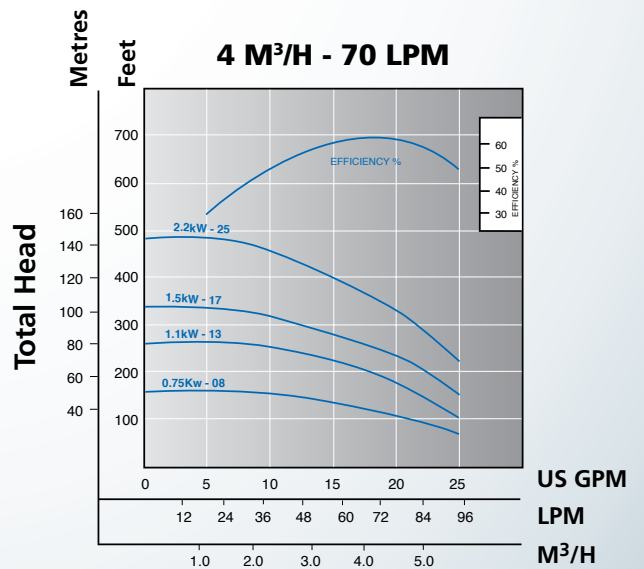
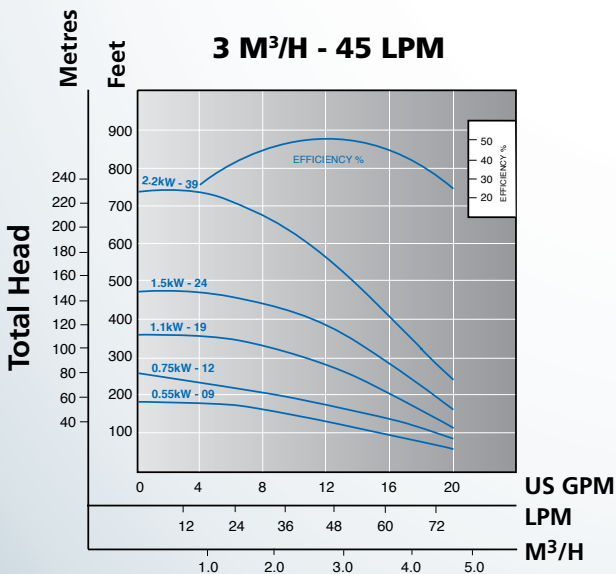
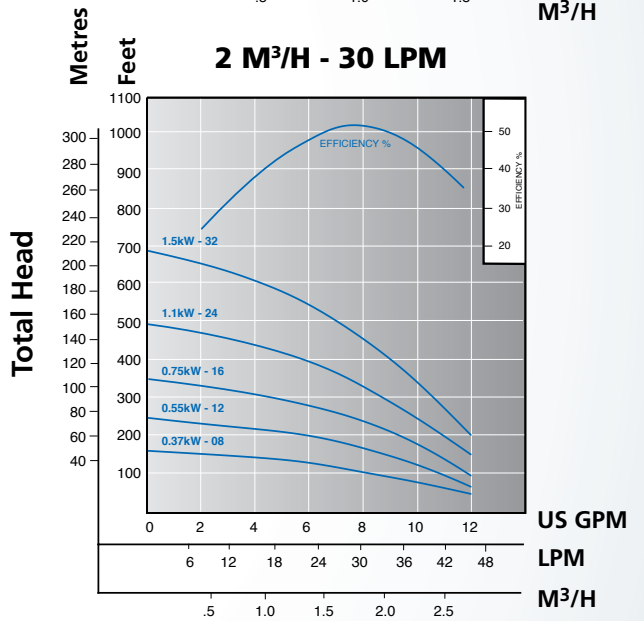
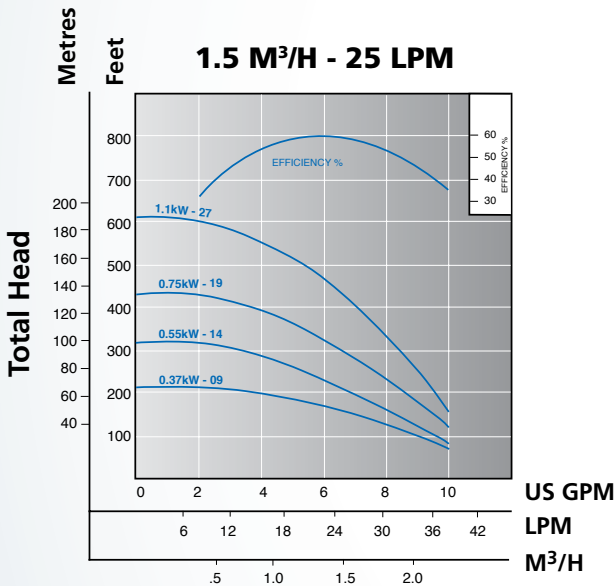
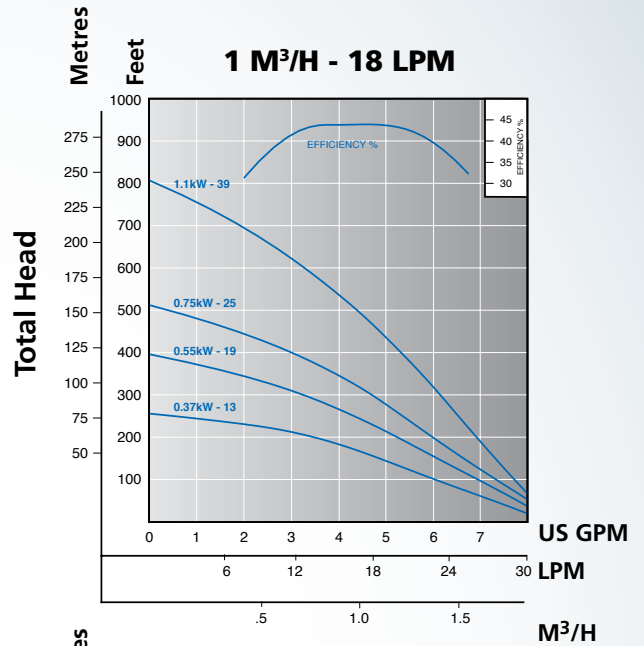
- 4 performance ranges: 6, 9, 12 & 16 M³/H.
- Stainless Steel discharge head and motor bracket.
- High flow impellers and stages are glass-filled Noryl for maximum efficiency.
- Ceramic shaft sleeve and rubber discharge bearing eliminates sand wear.
- Intermediate bearing for increased shaft stability.
- Floating eye and hub seals improve performance and efficiency.
- Stainless steel hex pump shaft, shell and shaft coupling.
- High capacity upthrust assembly for protection during start-up and operation (9, 12 & 16 M³/H models).
- Powered by Franklin Electric's corrosion-resistant 4" submersible motor.
- 2" BSPP discharge threads.
- Supplied with external check valve.



50 Hz Performance Curves

Standard 4" FPS4400

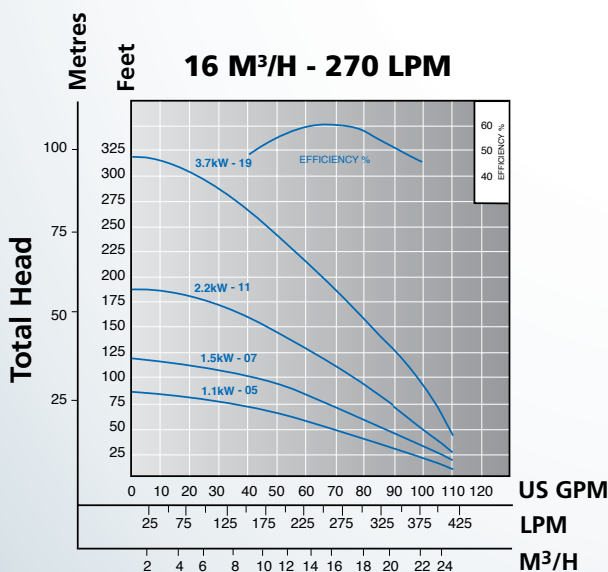
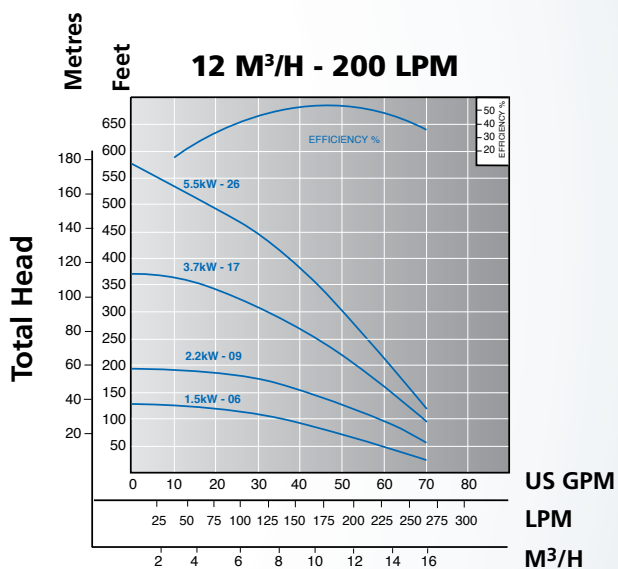
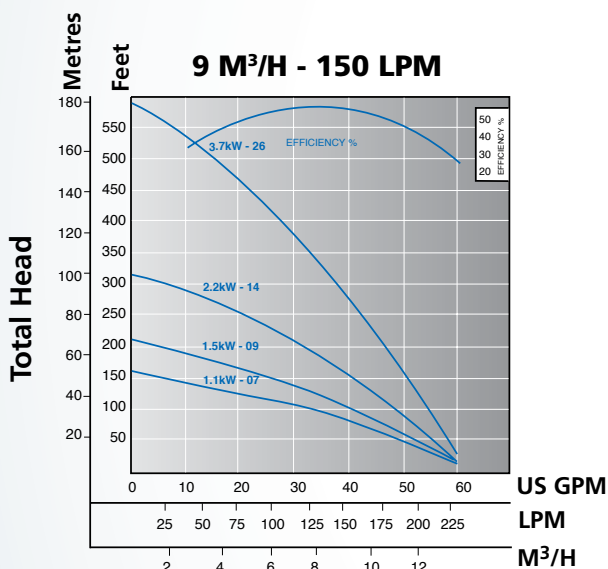
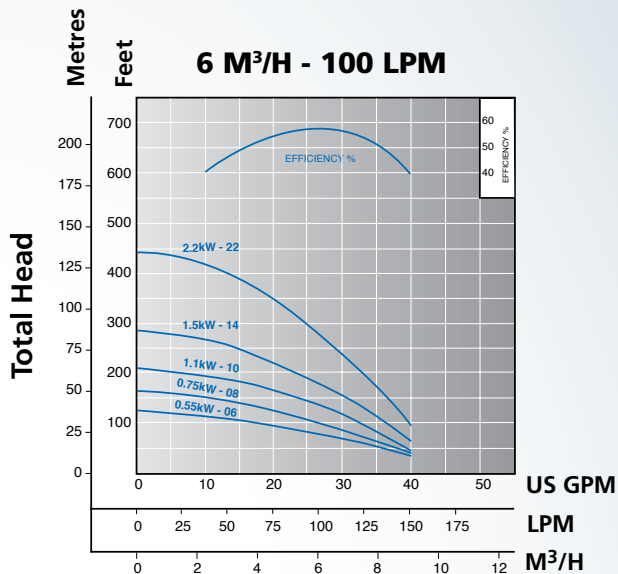
The standard FPS 4400 submersible pump features unique hydraulics that improve efficiency and minimize wear even when pumping abrasives (sand). All FPS 4400 pumps are unconditionally guaranteed against sand locking in abrasive well conditions for one full year. Discharge and motor brackets are available in thermoplastic or stainless steel.



50 Hz Performance Curves

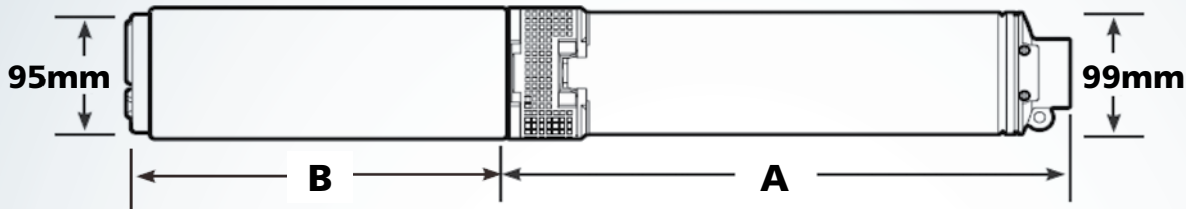
High Capacity 4" FPS4400

Engineered for commercial, irrigation and residential use. Design advancements reduce efficiency losses caused by internal pump leakage and abrasives (sand). The high capacity FPS 4400 is unconditionally guaranteed against sand locking for one full year.



50 Hz Submersible Pumps

Stage Count, Dimensions and Weight



Pump diameter including cable guard = 99mm
Motor diameter = 95mm

4" 1 M³/H - FPS 1(A) 18 LPM Pump Ends:

Model	kW	HP	No. of Stages	DIM "A" MM	DIM "B" MM			Motor Weights Kg			Pump Wts Kg	Order
					2W	3W	3ph	2W	3W	3ph		
1A-13	0.37	1/2	13	441.7	242.1	242.1	223	8.1	8.2	7.4	5	93606513
1A-19	0.55	3/4	19	562.4	270.8	270.8	242.1	8.5	9.5	8.3	5.4	93606519
1A-25	0.75	1	25	695.7	298.5	298.5	270.8	10.9	10.9	9.5	7.3	93606525
1A-39	1.1	1 1/2	39	1017.8	384	355.9	298.5	14.5	13.5	10.9	9.1	93606539

4" 1.5 M³/H - FPS 1(B) 25 LPM Pump Ends:

Model	kW	HP	No. of Stages	DIM "A" MM	DIM "B" MM			Motor Weights Kg			Pump Wts Kg	Order
					2W	3W	3ph	2W	3W	3ph		
1B-09	0.37	1/2	9	383.8	242.1	242.1	223	8.1	8.2	7.4	5	93606709
1B-14	0.55	3/4	14	497	270.8	270.8	242.1	8.5	9.5	8.3	5.4	93606714
1B-19	0.75	1	19	610.6	298.5	298.5	270.8	10.9	10.9	9.5	7.3	93606719
1B-27	1.1	1 1/2	27	845.1	384	355.9	298.5	14.5	13.5	10.9	9.1	93606727

4" 2 M³/H - FPS 2(A) 30 LPM Pump Ends:

Model	kW	HP	No. of Stages	DIM "A" MM	DIM "B" MM			Motor Weights Kg			Pump Wts Kg	Order
					2W	3W	3ph	2W	3W	3ph		
2A-08	0.37	1/2	8	361.2	242.1	242.1	223	8.1	8.2	7.4	4.1	93606008
2A-12	0.55	3/4	12	451.9	270.8	270.8	242.1	8.5	9.5	8.3	5	93606012
2A-16	0.75	1	16	542.54	298.5	298.5	270.8	10.9	10.9	9.5	5.9	93606016
2A-24	1.1	1 1/2	24	777	384	355.9	298.5	14.5	13.5	10.9	7.3	93606024
2A-32	1.5	2	32	958.3		384.1	327.2		14.5	12.1	8.2	93606032

4" 3 M³/H - FPS 3(A) 45 LPM Pump Ends:

Model	kW	HP	No. of Stages	DIM "A" MM	DIM "B" MM			Motor Weights Kg			Pump Wts Kg	Order
					2W	3W	3ph	2W	3W	3ph		
3A-09	0.55	3/4	9	460.8	270.8	270.8	242.1	8.5	9.5	8.3	4.1	93606809
3A-12	0.75	1	12	554.2	298.5	298.5	270.8	10.9	10.9	9.5	5	93606812
3A-19	1.1	1 1/2	19	825.3	384	355.9	298.5	14.5	13.5	10.9	5.9	93606819
3A-24	1.5	2	24	981.2		384.1	327.2		14.5	12.1	7.3	93606824
3A-39	2.2	3	39	1449.1		460.4	355.9		18.1	13.5	12.2	93606839

50 Hz Submersible Pumps

4" 4 M³/H - FPS 4(A) 70 LPM Pump Ends:

Model	kW	HP	No. of Stages	DIM "A" MM	DIM "B" MM			Motor Weights Kg			Pump Wts Kg	Order
					2W	3W	3ph	2W	3W	3ph		
4A-08	0.75	1	8	31.6	298.5	298.5	270.8	10.9	10.9	9.5	4.1	93606208
4A-13	1.1	1 1/2	13	38.4	384	355.9	298.5	14.5	13.5	10.9	5.4	93606213
4A-17	1.5	2	17	497.1		384.1	327.2		14.5	12.1	6.3	93606217
4A-25	2.2	3	25	845.1		460.4	355.9		18.1	13.5	7.7	93606225

4" 6 M³/H - FPS 6(A) 100 LPM Pump Ends:

Model	kW	HP	No. of Stages	DIM "A" MM	DIM "B" MM			Motor Weights Kg			Pump Wts Kg	Order
					2W	3W	3ph	2W	3W	3ph		
6A-06	0.55	3/4	6	349.8	270.8	270.8	242.1	8.5	9.5	8.3	3.6	93616306
6A-08	0.75	1	8	445.8	298.5	298.5	270.8	10.9	10.9	9.5	4.5	93616308
6A-10	1.1	1 1/2	10	509.8	384	355.9	298.5	14.5	13.5	10.9	5	93616310
6A-14	1.5	2	14	637.5		384.1	327.2		14.5	12.1	5.9	93616314
6A-22	2.2	3	22	893.1		460.4	355.9		18.1	13.5	7.7	93616322

4" 9 M³/H - FPS 9(A) 150 LPM Pump Ends:

Model	kW	HP	No. of Stages	DIM "A" MM	DIM "B" MM			Motor Weights Kg			Pump Wts Kg	Order
					2W	3W	3ph	2W	3W	3ph		
9A-07	1.1	1 1/2	7	592.8	384	355.9	298.5	14.5	13.5	10.9	6.8	93616407
9A-09	1.5	2	9	707.1		384.1	327.2		14.5	12.1	7.7	93616409
9A-14	2.2	3	14	992.9		460.4	355.9		18.1	13.5	9.1	93616414
9A-26	3.7	5	26	1678.7		697.6	545.2		29.4	20.9	15	93616426

4" 12 M³/H - FPS 12(A) 200 LPM Pump Ends:

Model	kW	HP	No. of Stages	DIM "A" MM	DIM "B" MM			Motor Weights Kg			Pump Wts Kg	Order
					2W	3W	3ph	2W	3W	3ph		
12A-06	1.5	2	6	535.7		384.1	327.2		14.5	12.1	6.8	93616606
12A-09	2.2	3	9	707.1		460.4	355.9		18.1	13.5	8.2	93616609
12A-17	3.7	5	17	1164.3		697.6	545.2		29.4	20.9	11.3	93616617
12A-26	5.5	7 1/2	26	1678.7		697.6				29.4	14.5	93616626

4" 16 M³/H - FPS 16(A) 270 LPM Pump Ends:

Model	kW	HP	No. of Stages	DIM "A" MM	DIM "B" MM			Motor Weights Kg			Pump Wts Kg	Order
					2W	3W	3ph	2W	3W	3ph		
16A-05	1.1	1 1/2	5	575.3	384	355.9	298.5	14.5	13.5	10.9	6.8	93616905
16A-07	1.5	2	7	727.7		384.1	327.2		14.5	12.1	7.7	93616907
16A-11	2.2	3	11	1032.5		460.4	355.9		18.1	13.5	9.5	93616911
16A-19	3.7	5	19	1640.6		697.6	545.2		29.4	20.9	12.2	93616919



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