

S4



RESISTANT
TO SAND

CE

(CONTROLBOX only for single-phase version)

GENERAL DATA

Applications

Bore hole pumps for 4" wells or greater capable of developing a wide range of flow rates and heads. These pumps can be used in a wide range of lifting, distributing and pressurising applications in civil and industrial supplies, autoclaves and tanks, fire-fighting and washing installations, and irrigation systems.

Construction features of pump:

Centrifugal multi-stage pump with radial or semi-axial impellers. Pump and motor directly connected with a rigid coupling. The technopolymer impeller with parts subject to wear in stainless steel, operating on floating adjustment rings in abrasion-proof synthetic material and the technopolymer diffusers make the pump particularly hard-wearing.

Pump liner, shaft with coupling, filter and cable sheath in stainless steel.

Base and upper head in precision-cast AISI 304 steel with steel check valve incorporated in the head.

These pumps comply with Community Directives.

Construction features of motor

Asynchronous 2-pole submerged motor totally built from AISI 304 stainless steel. Squirrel-cage rotor mounted on a self-centring thrust block bearing suitable for withstanding axial loads. The bearing and the bushings are cooled by the water so as to prevent dangers of pollution. Stator encased in synthetic resin with high quality dielectric inserted in a stainless steel airtight casing. Capacitor and manually resettable overload cut-out located on the standard supplied electrical power panel for the single-phase version. The user must provide overload protection for the three-phase version. Flanging to NEMA - 4"

Protection level: IP58

Heat insulation class: B

Cooling flow: 8 cm/sec.

Max. number of starts/hour: 20

Input voltage:	single-phase	220-230 V/50Hz
	three-phase	400 V/50Hz

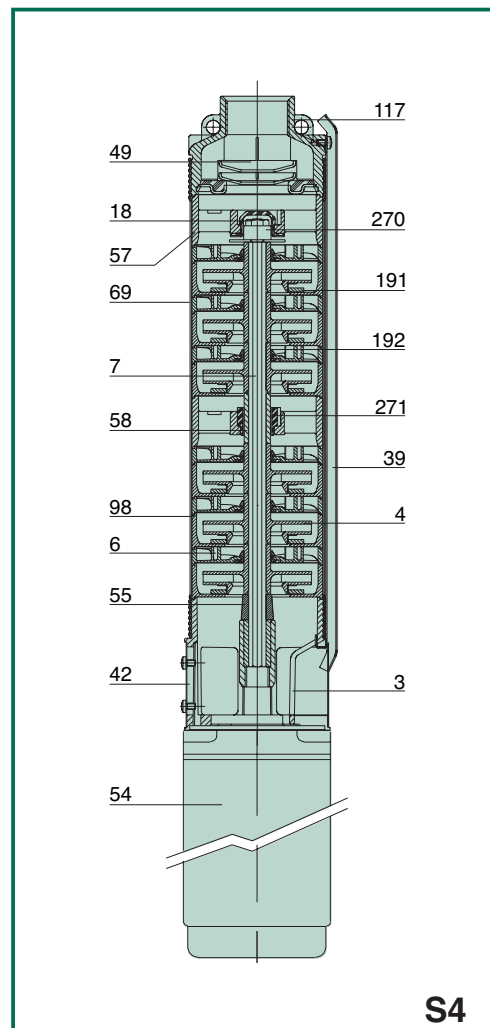
Supply

Controlbox (for the single-phase version) and motor to be ordered separately.

TECHNICAL DATA

N.	PARTS*	MATERIALS
3	SUPPORT	PRECISION CAST AISI 304 STEEL
4	IMPELLER	TECHNOPOLYMER A WITH STEEL SHIM STAINLESS STEEL AISI 304 X5CrNi1810 - UNI 6900/71
6	DIFFUSER	TECHNOPOLYMER A
7	SHAFT WITH COUPLING	STAINLESS STEEL AISI 304 X5CrNi1810 - UNI 6900/71
18	IMPELLER LOCK NUT	STAINLESS STEEL
39	CABLE SHEATH	STAINLESS STEEL AISI 304 X5CrNi1810 - UNI 6900/71
42	FILTER	STAINLESS STEEL
49	VALVE	STAINLESS STEEL AISI 304 X5CrNi1810 - UNI 6900/71
54	MOTOR	STAINLESS STEEL AISI 304 X5CrNi1810 - UNI 6900/71
55	SPACER	TECHNOPOLYMER A
57	SUPPORT	TECHNOPOLYMER A
58	INTERMEDIATE BUSHING	STAINLESS STEEL AISI 304 X5CrNi1810 - UNI 6900/71
69	PUMP LINING	STAINLESS STEEL AISI 304 X5CrNi1810 - UNI 6900/71
98	DIFFUSER BODY	TECHNOPOLYMER A
117	UPPER HEAD	PRECISION CAST AISI 304 STEEL
191	FRONT ADJUSTMENT RING	ABRASION-PROOF SYNTHETIC MATERIAL
192	REAR ADJUSTMENT RING	ABRASION-PROOF SYNTHETIC MATERIAL
270	UPPER SHAFT GUIDE BUSHING	RUBBER
271	INTERMEDIATE SHAFT GUIDE BUSHING	ABRASION-PROOF SYNTHETIC MATERIAL

* In contact with the liquid

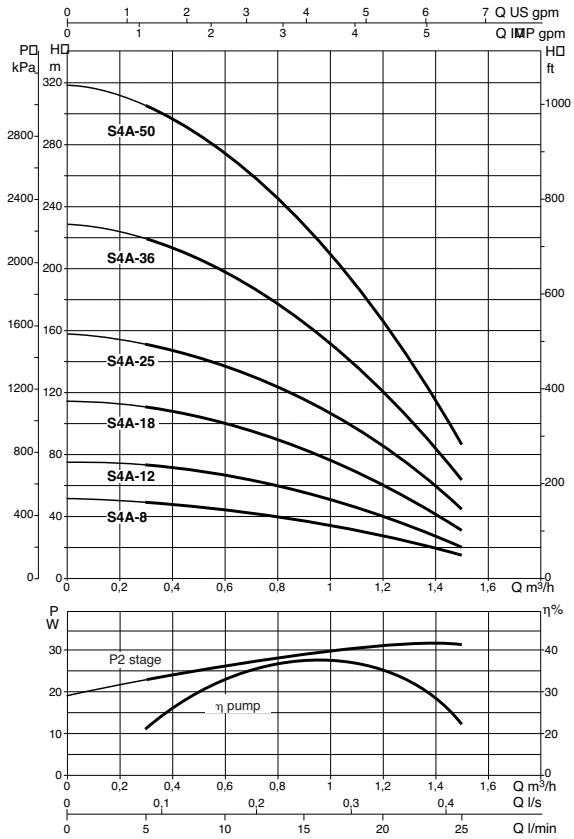
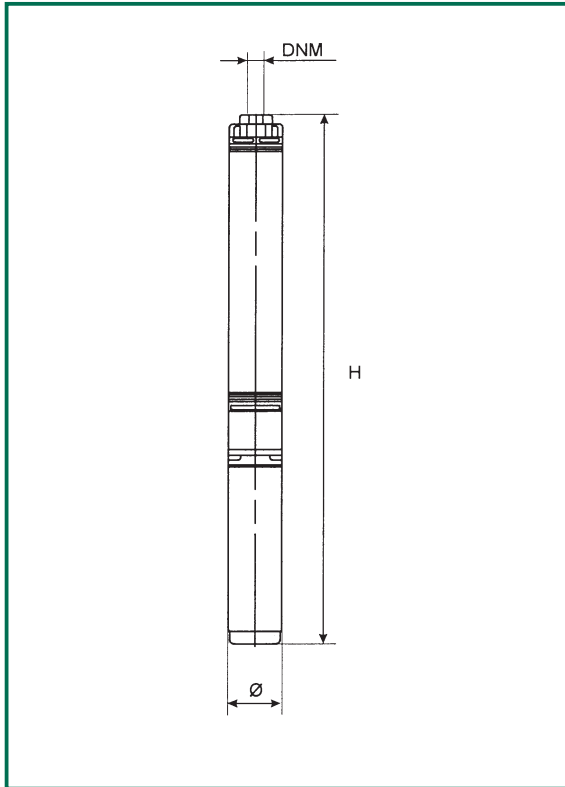


- Operating range: from 0,3 to 24 m³/h with head up to 320 metres;
- Liquid quality requirements: clean, free from solids or abrasive substances, non viscous, non aggressive, non crystallized, chemically neutral, close to the characteristics of water.
- Liquid temperature range: from 0°C to +40°C
- **Maximum quantity of sand:** **120 gr/m³**
- Installation: in wells and boreholes with a diameter of 4" or greater, tanks and cisterns, in a vertical position.
- Starts/hour: max. 20
- Cooling flow: 8 cm/sec.
- Special executions on request: other voltages and/or frequencies
- Accessories: see page 95-96.
- Power cable section: see table on page 96.
- On request, the CONTROL BOX HS for increasing the static torque may be supplied for the single-phase version.

The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 Kg/m³. Curve tolerance according to ISO 9906.

S4A

Liquid temperature range: from 0°C to +40°C



MODEL	Ø (mm)	HEIGHT H Franklin motor		HEIGHT H Dab motor		DNM	PACKING DIMENSIONS (mm)			VOLUME m ³	WEIGHT Kg	
		M single-phase	T three-phase	M single-phase	T three-phase		L/A	L/B	H		M single-phase	T three-phase
S4A-8 M	97	565	—	559	—	1" 1/4 G	110	110	770	0,010	11,4	—
S4A-12 M / S4A-12 T	97	665	645	659	638	1" 1/4 G	110	110	770	0,010	13	12
S4A-18 M / S4A-18 T	97	813	785	808	779	1" 1/4 G	110	110	910	0,011	15,2	13,9
S4A-25 M / S4A-25 T	97	981	953	969	948	1" 1/4 G	110	110	1080	0,013	16	16,2
S4A-36 M / S4A-36 T	97	1291	1233	1295	1221	1" 1/4 G	120	120	1590	0,023	21,9	19,2
S4A-50 M / S4A-50 T	97	1599	1542	1636	1563	1" 1/4 G	120	120	1920	0,028	24,8	22,5

MODEL	ELECTRICAL DATA			HYDRAULIC DATA (n ≈ 2850 1/min)						
	VOLTAGE 50 Hz	P2 NOMINAL		Q m ³ /h	0	0,3	0,6	0,9	1,2	1,5
		kW	HP							
S4A-8 M ⁽¹⁾	1x230 V ~*	0,25	0,37	H (m)	51	48,6	44,4	37,3	26,8	13,7
S4A-12 M	1x230 V ~*	0,37	0,5		76,5	72,9	66,6	55,9	40,2	20,5
S4A-12 T	3x400 V ~**	0,37	0,5		76,5	72,9	66,6	55,9	40,2	20,5
S4A-18 M	1x230 V ~*	0,55	0,75		114,8	109,3	99,8	84	60,3	30,8
S4A-18 T	3x400 V ~**	0,55	0,75		114,8	109,3	99,8	84	60,3	30,8
S4A-25 M	1x230 V ~*	0,75	1		159,4	151,8	138,7	116,5	83,7	42,7
S4A-25 T	3x400 V ~**	0,75	1		159,4	151,8	138,7	116,5	83,7	42,7
S4A-36 M	1x230 V ~*	1,1	1,5		229,5	218,6	200	167,8	120,6	61,6
S4A-36 T	3x400 V ~**	1,1	1,5		229,5	218,6	200	167,8	120,6	61,6
S4A-50 M	1x230 V ~*	1,5	2		318,8	303,7	277,4	233,1	167,5	85,5
S4A-50 T	3x400 V ~**	1,5	2		318,8	303,7	277,4	233,1	167,5	85,5

* 1x220-230 V ~ for Franklin motor.

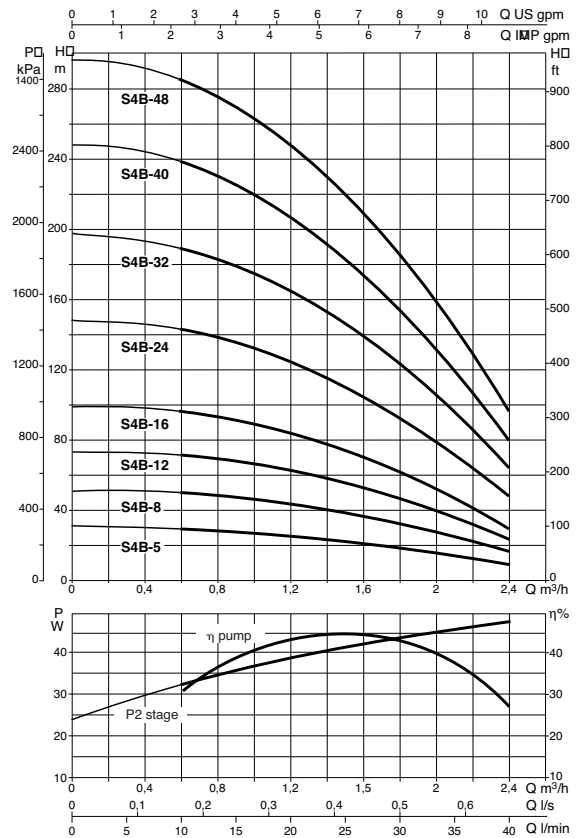
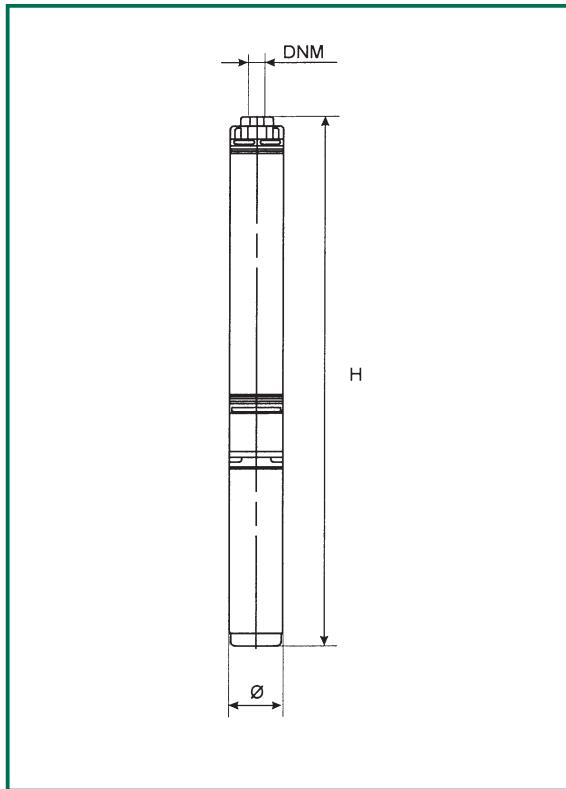
** 3x230 V ~ available on request.

⁽¹⁾ Dab motor: P2(kW) = 0,37 and P2(HP) = 0,5

The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 Kg/m³. Curve tolerance according to ISO 9906.

S4B

Liquid temperature range: from 0°C to +40°C



MODEL	Ø (mm)	HEIGHT H Franklin motor		HEIGHT H Dab motor		DNM	PACKING DIMENSIONS (mm)			VOLUME (M/T) m ³	WEIGHT Kg	
		M single-phase	T three-phase	M single-phase	T three-phase		L/A	L/B	H (M/T)		M single-phase	T three-phase
S4B-5 M	97	518	—	512	—	1" 1/4 G	110	110	770	0,010	11,1	—
S4B-8 M / S4B-8 T	97	605	585	599	578	1" 1/4 G	110	110	770	0,010	12,5	11,5
S4B-12 M / S4B-12 T	97	723	695	718	689	1" 1/4 G	110	110	770	0,010	14,4	12
S4B-16 M / S4B-16 T	97	841	813	829	808	1" 1/4 G	110	110	1080/910	0,013/0,010	16,3	15,1
S4B-24 M / S4B-24 T	97	1078	1021	1082	1009	1" 1/4 G	120	120	1240	0,018	20,2	17,5
S4B-32 M / S4B-32 T	97	1287	1230	1324	1251	1" 1/4 G	120	120	1590/1330	0,023/0,019	22,5	20,2
S4B-40 M / S4B-40 T	97	1575	1471	1528	1508	1" 1/4 G	120	120	1920/1590	0,028/0,023	27,6	22,9
S4B-48 M / S4B-48 T	97	1755	1651	1708	1688	1" 1/4 G	120	120	1920	0,028	28,7	24,2

MODEL	ELECTRICAL DATA				HYDRAULIC DATA (n ≈ 2850 1/min)								
	VOLTAGE 50 Hz	P2 NOMINAL		Q m³/h	0	0,6	0,9	1,2	1,5	1,8	2,1	2,4	
		kW	HP										0
S4B-5 M ⁽¹⁾	1x230 V ~*	0,25	0,37	H (m)	31	30	28,6	26	22,6	19	14,8	10	
S4B-8 M	1x230 V ~*	0,37	0,5		49,6	47,8	45,8	41,5	36,2	30,6	23,7	16	
S4B-8 T	3x400 V ~**	0,37	0,5		49,6	47,8	45,8	41,5	36,2	30,6	23,7	16	
S4B-12 M	1x230 V ~*	0,55	0,75		74,4	71,8	68,6	62,3	54,4	45,8	35,5	24	
S4B-12 T	3x400 V ~**	0,55	0,75		74,4	71,8	68,6	62,3	54,4	45,8	35,5	24	
S4B-16 M	1x230 V ~*	0,75	1		99,2	95,7	91,5	83	72,5	61	47,4	32	
S4B-16 T	3x400 V ~**	0,75	1		99,2	95,7	91,5	83	72,5	61	47,4	32	
S4B-24 M	1x230 V ~*	1,1	1,5		148,8	143,5	137,3	124,6	108,7	91,7	71	48	
S4B-24 T	3x400 V ~**	1,1	1,5		148,8	143,5	137,3	124,6	108,7	91,7	71	48	
S4B-32 M	1x230 V ~*	1,5	2		198,4	191,4	183	166	144,9	122,2	94,7	64	
S4B-32 T	3x400 V ~**	1,5	2		198,4	191,4	183	166	144,9	122,2	94,7	64	
S4B-40 M	1x230 V ~*	2,2	3		248	239,2	228,8	207,6	181,2	152,8	118,4	80	
S4B-40 T	3x400 V ~**	2,2	3		248	239,2	228,8	207,6	181,2	152,8	118,4	80	
S4B-48 M	1x230 V ~*	2,2	3		297,6	287,1	274,6	249,2	217,4	183,4	142,1	96	
S4B-48 T	3x400 V ~**	2,2	3		297,6	287,1	274,6	249,2	217,4	183,4	142,1	96	

* 1x220-230 V ~ for Franklin motor.

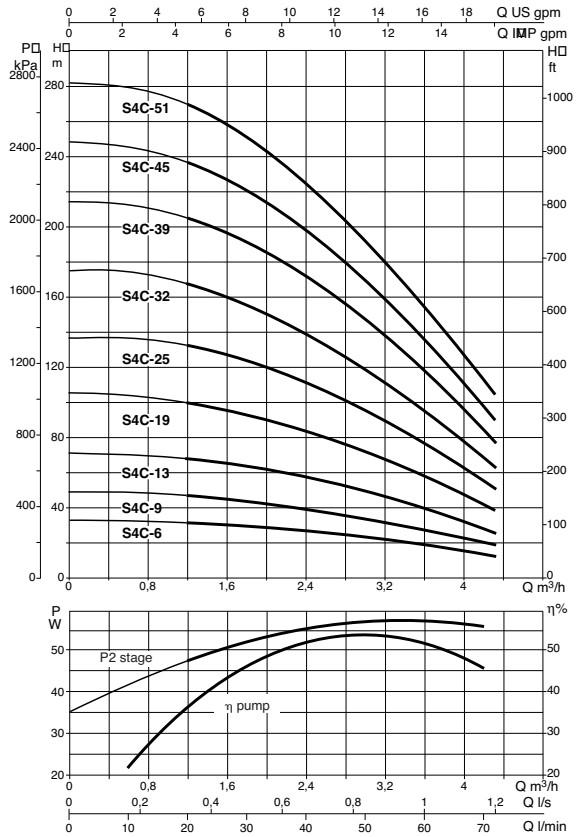
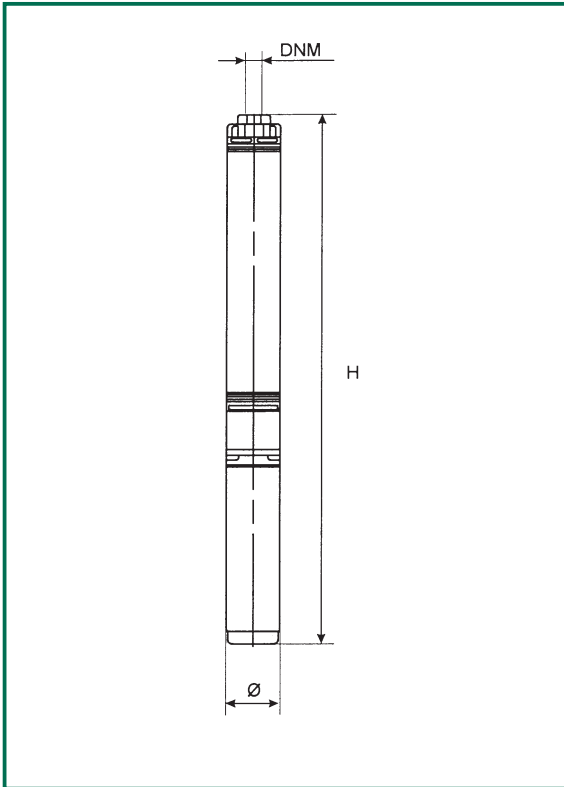
** 3x230 V ~ available on request.

⁽¹⁾ Dab motor: P2(kW) = 0,37 and P2(HP) = 0,5

The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 Kg/m³. Curve tolerance according to ISO 9906.

S4C

Liquid temperature range: from 0°C to +40°C



MODEL	Ø (mm)	HEIGHT H Franklin motor		HEIGHT H Dab motor		DNM	PACKING DIMENSIONS (mm)			VOLUME m ³	WEIGHT Kg	
		M single-phase	T three-phase	M single-phase	T three-phase		L/A	L/B	H		M single-phase	T three-phase
S4C-6 M / S4C-6 T	97	620	600	614	593	1" 1/4 G	110	110	770	0,010	12,6	11,5
S4C-9 M / S4C-9 T	97	746	717	741	711	1" 1/4 G	110	110	910	0,011	14,6	13,2
S4C-13 M / S4C-13 T	97	903	876	891	871	1" 1/4 G	110	110	1080	0,013	15,5	15,4
S4C-19 M / S4C-19 T	97	1156	1098	1160	1086	1" 1/4 G	120	120	1240	0,018	18,5	17,8
S4C-25 M / S4C-25 T	97	1379	1322	1416	1343	1" 1/4 G	120	120	1590	0,023	25,2	20,5
S4C-32 M / S4C-32 T	97	1715	1611	1668	1648	1" 1/4 G	120	120	1920	0,028	28,2	23,7
S4C-39 M / S4C-39 T	97	1943	1838	1896	1875	1" 1/4 G	120	120	2200	0,032	29,8	25,3
S4C-45 T	97	-	2216	-	2337	1" 1/4 G	120	120	2600	0,038	-	34
S4C-51 T	97	-	2411	-	2532	1" 1/4 G	120	120	2600	0,038	-	32,6

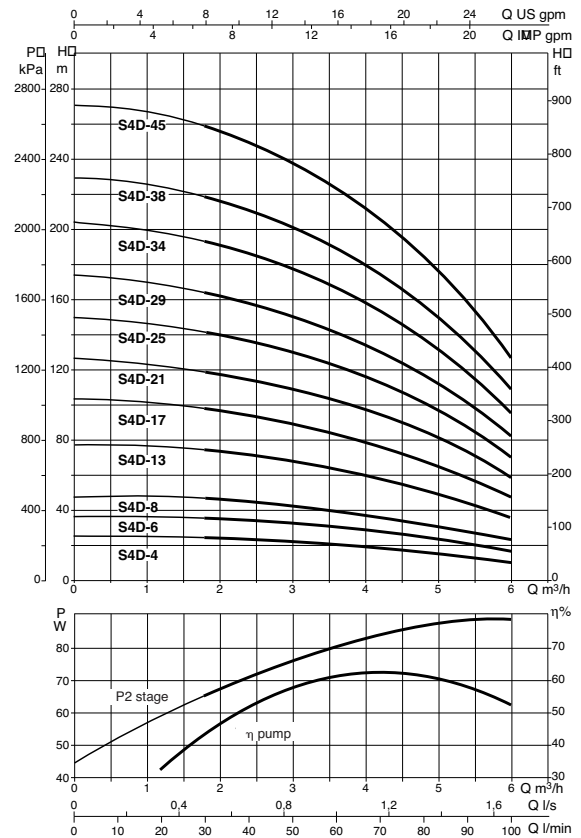
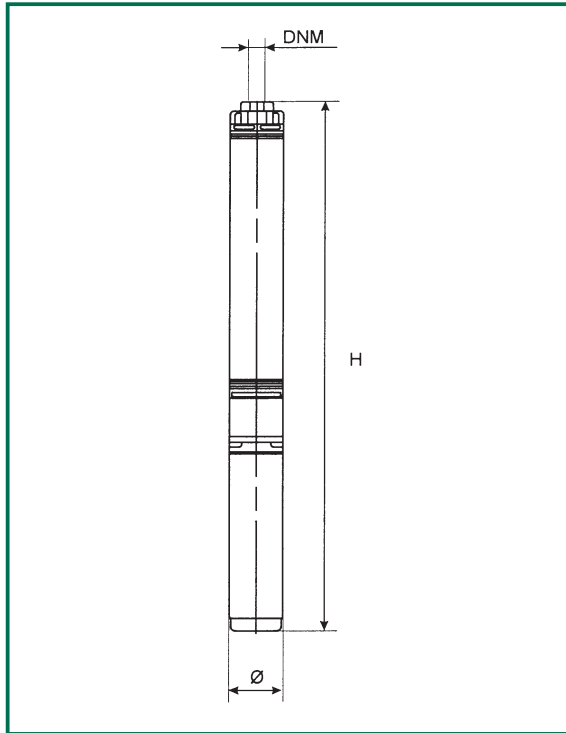
MODEL	ELECTRICAL DATA			HYDRAULIC DATA (n = 2850 1/min)													
	VOLTAGE 50 Hz	P2 NOMINAL		Q m³/h	H (m)												
		kW	HP		0	1,2	1,5	1,8	2,1	2,4	3	3,6	4,2				
S4C-6 M	1x230 V ~*	0,37	0,5	33	31,8	30,7	29,4	27,5	26,4	22,7	18,5	13,2					
S4C-6 T	3x400 V ~**	0,37	0,5	33	31,8	30,7	29,4	27,5	26,4	22,7	18,5	13,2					
S4C-9 M	1x230 V ~*	0,55	0,75	49,5	47,7	46	44	41,5	39,6	34	27,7	19,8					
S4C-9 T	3x400 V ~**	0,55	0,75	49,5	47,7	46	44	41,5	39,6	34	27,7	19,8					
S4C-13 M	1x230 V ~*	0,75	1	71,5	68,9	66,4	63,7	60,5	57,2	49,2	40	28,6					
S4C-13 T	3x400 V ~**	0,75	1	71,5	68,9	66,4	63,7	60,5	57,2	49,2	40	28,6					
S4C-19 M	1x230 V ~*	1,1	1,5	104,5	100,7	97	93	87,8	83,6	71,8	58,5	41,8					
S4C-19 T	3x400 V ~**	1,1	1,5	104,5	100,7	97	93	87,8	83,6	71,8	58,5	41,8					
S4C-25 M	1x230 V ~*	1,5	2	137,5	132,5	128	122,5	116	110	94,5	77	55					
S4C-25 T	3x400 V ~**	1,5	2	137,5	132,5	128	122,5	116	110	94,5	77	55					
S4C-32 M	1x230 V ~*	2,2	3	176	169,6	163	156,8	149	140,8	120,9	98,6	70,4					
S4C-32 T	3x400 V ~**	2,2	3	176	169,6	163	156,8	149	140,8	120,9	98,6	70,4					
S4C-39 M	1x230 V ~*	2,2	3	214,5	206,7	200	191,1	181,5	171,6	147,4	120,1	85,8					
S4C-39 T	3x400 V ~**	2,2	3	214,5	206,7	200	191,1	181,5	171,6	147,4	120,1	85,8					
S4C-45 T	3x400 V ~**	3	4	247,5	238,5	229	220,5	210	198	170,1	138,6	99					
S4C-51 T	3x400 V ~**	3	4	280,5	270,3	261	250	237	224,4	192,8	157,1	112,2					

* 1x220-230 V ~ for Franklin motor.
 ** 3x230 V ~ available on request.

The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 Kg/m³. Curve tolerance according to ISO 9906.

S4D

Liquid temperature range: from 0°C to +40°C



MODEL	Ø (mm)	HEIGHT H Franklin motor		HEIGHT H Dab motor		DNM	PACKING DIMENSIONS (mm)			VOLUME (M/T) m ³	WEIGHT Kg	
		M single-phase	T three-phase	M single-phase	T three-phase		L/A	L/B	H (M/T)		M single-phase	T three-phase
S4D-4 M / S4D-4 T	97	555	535	549	528	1" 1/4 G	110	110	770	0,010	12,2	11,2
S4D-6 M / S4D-6 T	97	648	620	643	614	1" 1/4 G	110	110	770	0,010	14	12,7
S4D-8 M / S4D-8 T	97	741	713	729	708	1" 1/4 G	110	110	910	0,011	15,5	14,3
S4D-13 M / S4D-13 T	97	961	903	965	891	1" 1/4 G	110	110	1080	0,013	17	16,6
S4D-17 M / S4D-17 T	97	1119	1062	1156	1083	1" 1/4 G	120	120	1240	0,018	19,5	18,8
S4D-21 M / S4D-21 T	97	1325	1221	1278	1258	1" 1/4 G	120	120	1590/1330	0,023/0,018	25,7	20,1
S4D-25 M / S4D-25 T	97	1455	1351	1408	1388	1" 1/4 G	120	120	1590	0,023	26,5	22
S4D-29 T	97	-	1664	-	1785	1" 1/4 G	120	120	1820	0,028	-	25,7
S4D-34 T	97	-	1826	-	1947	1" 1/4 G	120	120	2200	0,032	-	27
S4D-38 T	97	-	2065	-	2096	1" 1/4 G	120	120	2200	0,032	-	33,7
S4D-45 T	97	-	2293	-	2324	1" 1/4 G	120	120	2600	0,038	-	35,3

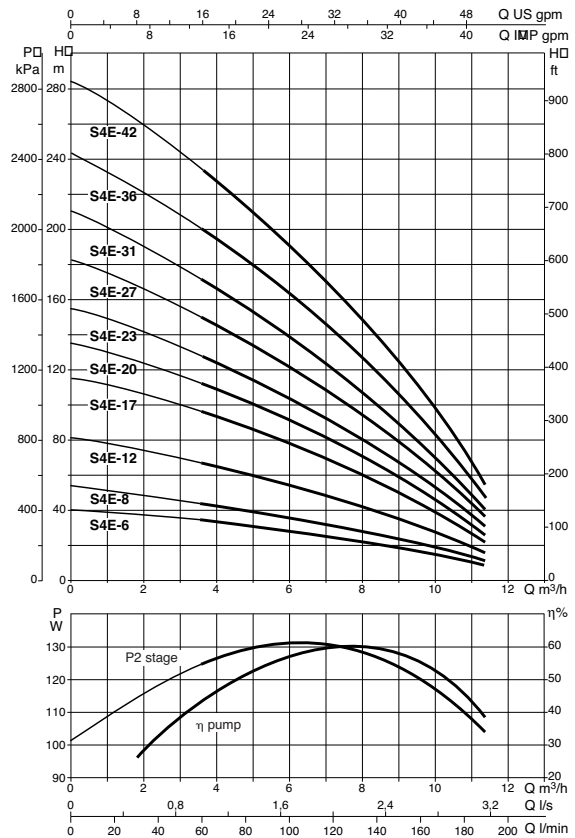
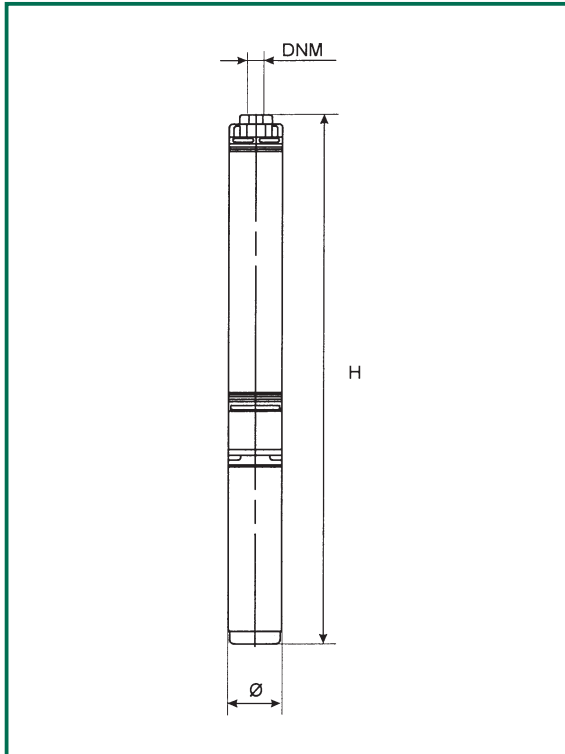
MODEL	ELECTRICAL DATA				HYDRAULIC DATA (n ≈ 2850 1/min)									
	VOLTAGE 50 Hz	P2 NOMINAL		Q m³/h	H (m)									
		kW HP			0	1,8	2,1	2,4	3	3,6	4,2	4,8	6	
S4D-4 M	1x230 V ~*	0,37	0,5	24	23	22,5	22	21,8	19,9	18	16,2	11,2		
S4D-4 T	3x400 V ~**	0,37	0,5	24	23	22,5	22	21,8	19,9	18	16,2	11,2		
S4D-6 M	1x230 V ~*	0,55	0,75	36	34,5	33,7	33	31,5	29,8	27	24,3	16,8		
S4D-6 T	3x400 V ~**	0,55	0,75	36	34,5	33,7	33	31,5	29,8	27	24,3	16,8		
S4D-8 M	1x230 V ~*	0,75	1	48	46	45	44	42	40	36	32,5	22,4		
S4D-8 T	3x400 V ~**	0,75	1	48	46	45	44	42	40	36	32,5	22,4		
S4D-13 M	1x230 V ~*	1,1	1,5	78	74,7	73,2	71,5	68,3	64,6	59	52,6	36,4		
S4D-13 T	3x400 V ~**	1,1	1,5	78	74,7	73,2	71,5	68,3	64,6	59	52,6	36,4		
S4D-17 M	1x230 V ~*	1,5	2	102	98	96	93,5	89,5	84,5	77,5	68,8	47,6		
S4D-17 T	3x400 V ~**	1,5	2	102	98	96	93,5	89,5	84,5	77,5	68,8	47,6		
S4D-21 M	1x230 V ~*	2,2	3	126	121	119	115,5	110	104,4	96	85	58,8		
S4D-21 T	3x400 V ~**	2,2	3	126	121	119	115,5	110	104,4	96	85	58,8		
S4D-25 M	1x230 V ~*	2,2	3	150	144	141	137,5	132	124,2	114,5	101,2	70		
S4D-25 T	3x400 V ~**	2,2	3	150	144	141	137,5	132	124,2	114,5	101,2	70		
S4D-29 T	3x400 V ~**	3	4	174	166	164	159,5	152	144	132	117,4	81,2		
S4D-34 T	3x400 V ~**	3	4	204	196	191,5	187	179,5	169	155	137,7	95,2		
S4D-38 T	3x400 V ~**	4	5,5	228	219	214,5	209	200	188,9	173	153,9	106,4		
S4D-45 T	3x400 V ~**	4	5,5	270	259	253	247,5	237	223,6	205	182,2	127		

* 1x220-230 V ~ for Franklin motor.
** 3x230 V ~ available on request.

The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 Kg/m³. Curve tolerance according to ISO 9906.

S4E

Liquid temperature range: from 0°C to +40°C



MODEL	Ø (mm)	HEIGHT H Franklin motor		HEIGHT H Dab motor		DNM	PACKING DIMENSIONS (mm)			VOLUME (M/T) m ³	WEIGHT Kg	
		M single-phase	T three-phase	M single-phase	T three-phase		L/A	L/B	H (M/T)		M single-phase	T three-phase
S4E-6 M / S4E-6 T	97	798	770	786	765	2" G-F	110	110	910	0,011	15,9	14,7
S4E-8 M / S4E-8 T	97	960	903	964	891	2" G-F	110	110	1080	0,013	17	16,4
S4E-12 M / S4E-12 T	97	1199	1142	1236	1163	2" G-F	120	120	1330/1240	0,019/0,018	21,6	19
S4E-17 M / S4E-17 T	97	1570	1465	1523	1502	2" G-F	120	120	1920/1590	0,028/0,023	27	23,5
S4E-20 T	97	-	1773	-	1894	2" G-F	120	120	1920	0,028	-	25,8
S4E-23 T	97	-	1931	-	2052	2" G-F	120	120	2200	0,032	-	27
S4E-27 T	97	-	2250	-	2281	2" G-F	120	120	2600	0,038	-	34,4
S4E-31 T	97	-	2460	-	2491	2" G-F	120	120	2600	0,038	-	35,5
S4E-36 T	97	-	2869	-	2855	2" G-F	180	180	3000	0,097	-	43
S4E-42 T	97	-	3184	-	3170	2" G-F	180	180	3300	0,097	-	44,8

MODEL	ELECTRICAL DATA			HYDRAULIC DATA (n ≈ 2850 1/min)										
	VOLTAGE 50 Hz	P2 NOMINAL		Q m³/h	0	3,6	4,2	4,8	6	7,2	9	10,8	11,4	
		kW	HP											l/min
S4E-6 M	1x230 V ~*	0,75	1	H (m)	40,5	32,7	31,5	30	27	23,5	17,6	10,3	7,7	
S4E-6 T	3x400 V ~**	0,75	1		40,5	32,7	31,5	30	27	23,5	17,6	10,3	7,7	
S4E-8 M	1x230 V ~*	1,1	1,5		54	43,7	42	40	37	31,4	23,4	13,7	10,3	
S4E-8 T	3x400 V ~**	1,1	1,5		54	43,7	42	40	37	31,4	23,4	13,7	10,3	
S4E-12 M	1x230 V ~*	1,5	2		81	65,5	63	60	55	47	35,2	20,6	15,5	
S4E-12 T	3x400 V ~**	1,5	2		81	65,5	63	60	55	47	35,2	20,6	15,5	
S4E-17 M	1x230 V ~*	2,2	3		114,8	92,8	89,5	86	78	66,6	49,8	29,2	21,9	
S4E-17 T	3x400 V ~**	2,2	3		114,8	92,8	89,5	86	78	66,6	49,8	29,2	21,9	
S4E-20 T	3x400 V ~**	3	4		135	109,2	105	101,5	91	78,4	58,6	34,3	25,7	
S4E-23 T	3x400 V ~**	3	4		155,4	125,5	120,5	117	104,5	90,2	67,4	40	29,6	
S4E-27 T	3x400 V ~**	4	5,5		182,4	147,4	141,5	137	122,5	105,8	79,2	47	34,8	
S4E-31 T	3x400 V ~**	4	5,5		209,4	169,2	162	156	140	121,5	90,9	53,2	39,9	
S4E-36 T	3x400 V ~**	5,5	7,5		243,2	196,5	188	180	162	141,2	105,5	61,8	46,5	
S4E-42 T	3x400 V ~**	5,5	7,5		283,7	229,3	220	211	189	164,7	123,2	72,2	54	

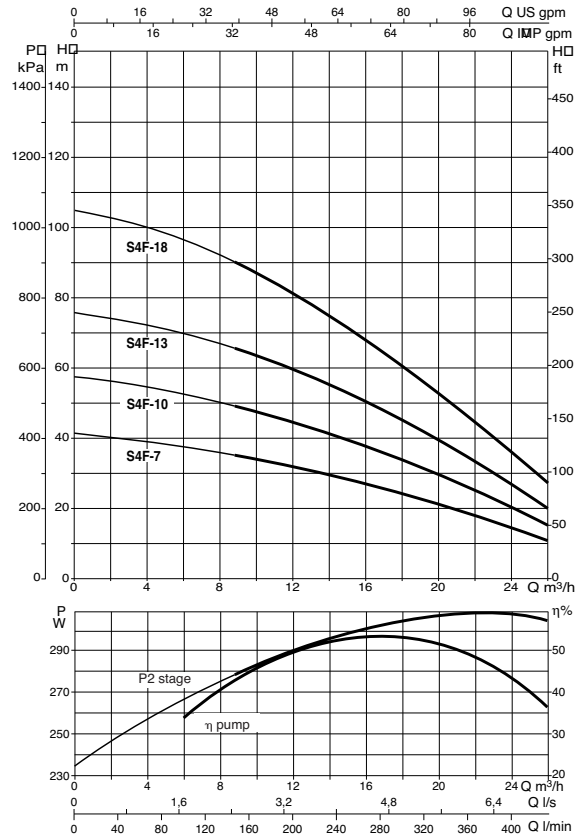
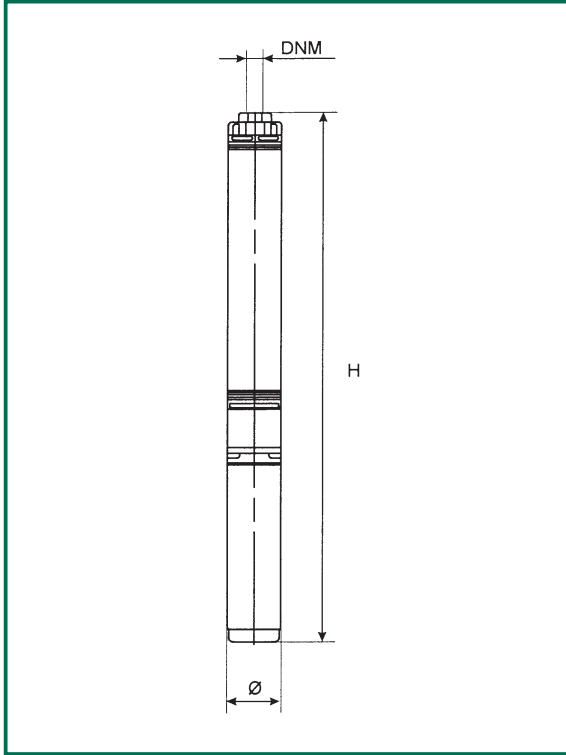
* 1x220-230 V ~ for Franklin motor.

** 3x230 V ~ available on request.

The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 Kg/m³. Curve tolerance according to ISO 9906.

S4F

Liquid temperature range: from 0°C to +40°C



MODEL	Ø (mm)	HEIGHT H Franklin motor		HEIGHT H Dab motor		DNM	PACKING DIMENSIONS (mm)			VOLUME m ³	WEIGHT Kg	
		M single-phase	T three-phase	M single-phase	T three-phase		L/A	L/B	H		M single-phase	T three-phase
S4F-7 M / S4F-7 T	97	1120	1016	1073	1079	2" G-F	120	120	1240	0,018	24,4	18,5
S4F-10 T	97	–	1371	–	1491	2" G-F	120	120	1590	0,023	–	23,5
S4F-13 T	97	–	1684	–	1715	2" G-F	120	120	1920	0,032	–	31,2
S4F-18 T	97	–	2170	–	2156	2" G-F	120	120	2600	0,038	–	50,5

MODEL	ELECTRICAL DATA			HYDRAULIC DATA (n ≈ 2850 1/min)								
	VOLTAGE 50 Hz	P2 NOMINAL		Q m ³ /h l/min	0	9	10,8	11,4	12	15	18	27
		kW	HP		0	150	180	190	200	250	300	450
S4F-7 M	1x230 V ~*	2,2	3	H (m)	40,5	36	34	33	32,5	28	24	11
S4F-7 T	3x400 V ~**	2,2	3		40,5	36	34	33	32,5	28	24	11
S4F-10 T	3x400 V ~**	3	4		58	50,8	48	47	46	40	34	16
S4F-13 T	3x400 V ~**	4	5,5		76	66	62,5	62	60	52,2	44,7	20
S4F-18 T	3x400 V ~**	5,5	7,5		104,5	91	86,6	84	83	72	61,2	28

* 1x220-230 V ~ for Franklin motor.
** 3x230 V ~ available on request.