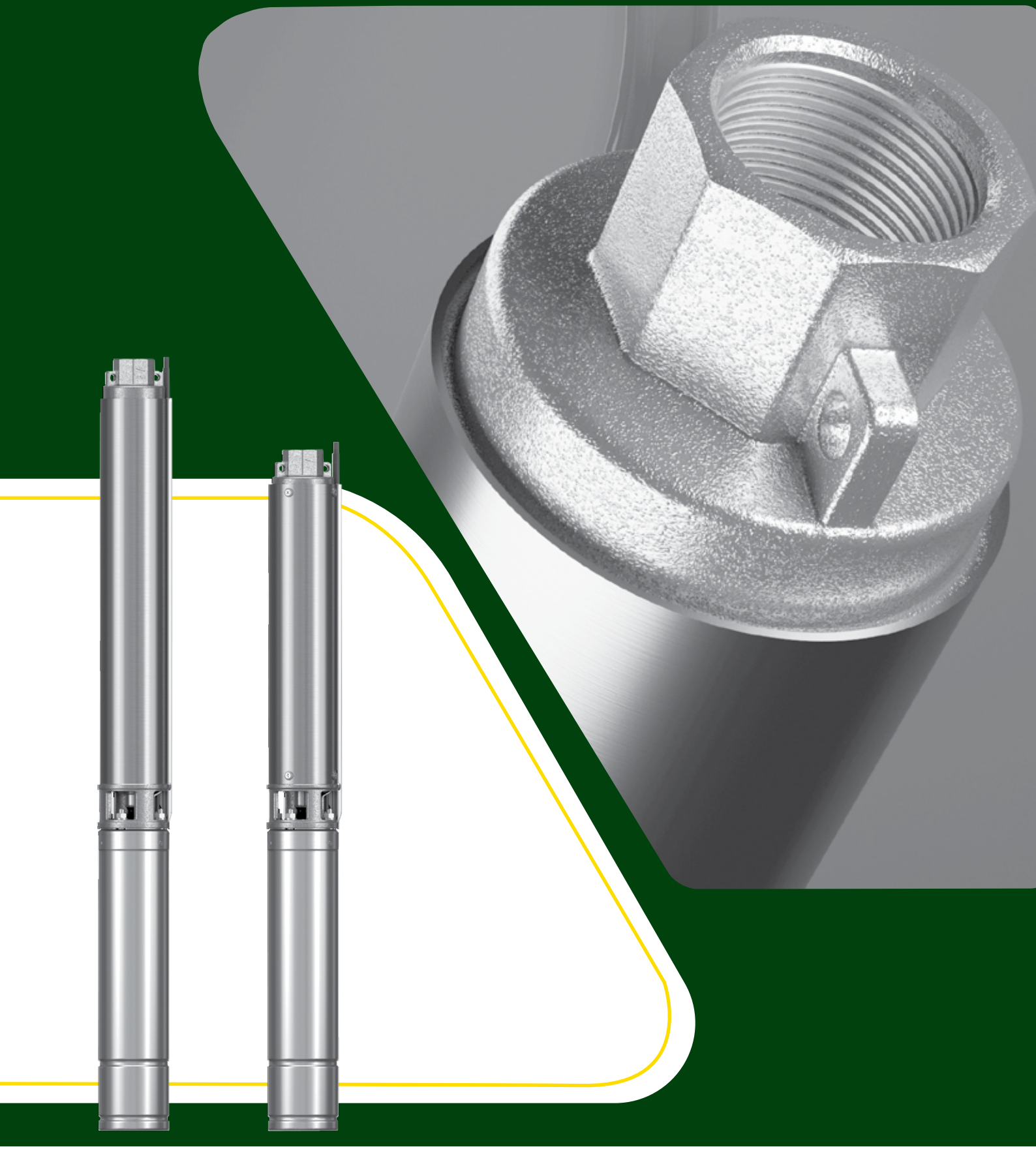


SUBMERSIBLE BOREHOLE PUMPS AND MOTORS

S4-4GG-40L

DAB®
WATER•TECHNOLOGY

S4 SERIES
Specifications & Characteristics

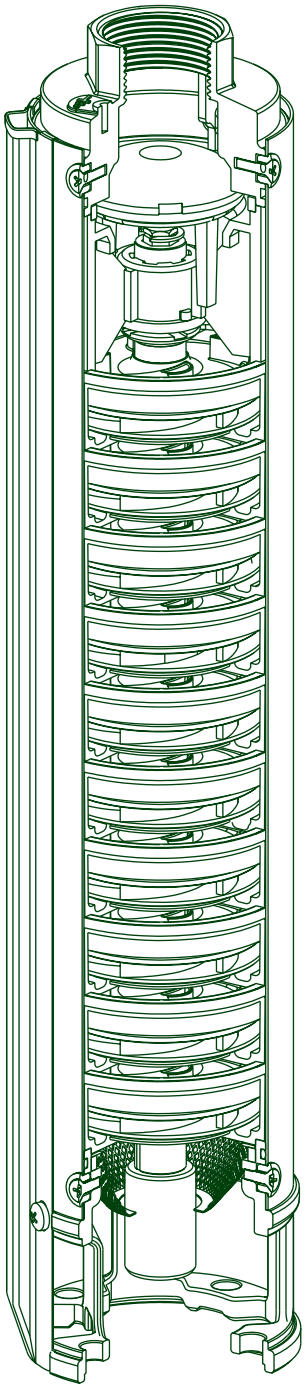
Cost-effective construction ensures low cost, high efficiency, better performance and reliability.

Abrasion resistant construction, floating impellers ensure optimum resistance to abrasion.

The delivery port and suction support are made of precision-cast stainless steel, guarantee resistance to corrosion, durability and a sturdy coupling to the motor.

The hexagonal pump shaft guarantees an effective impeller driving.

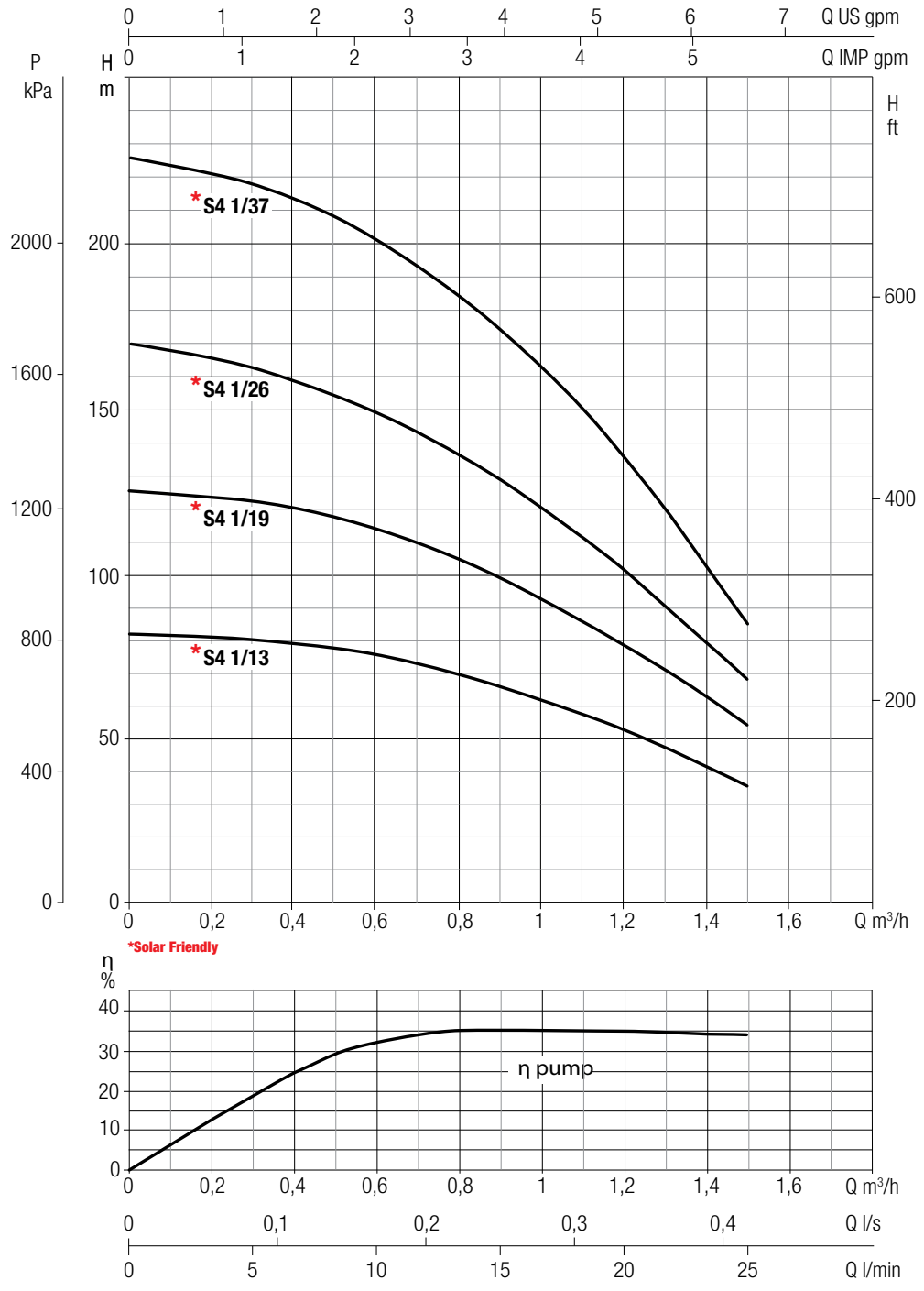
A non-return valve is fitted at the discharge to prevent back flow of water and alleviate water hammer to the pump, thus safeguarding impellers and diffusers which are made from ABS material.



S4-1 SERIES

OPERATING CHARACTERISTICS AT 50Hz

Discharge 32mm



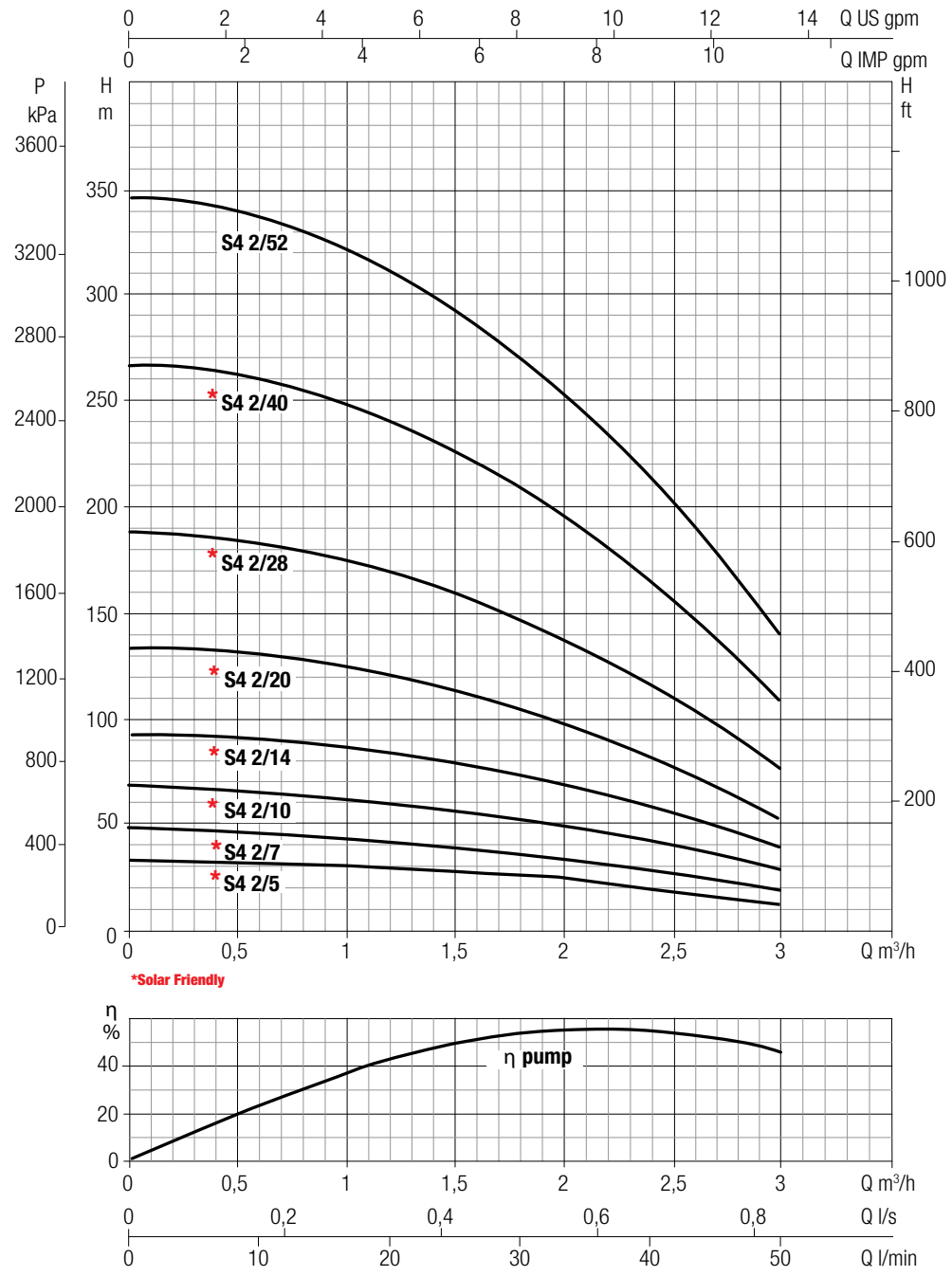
OPERATING CHARACTERISTICS AT 50Hz

MODEL	NO.OF STAGES	P2 NOMINAL		Q=M³/H	0	0,3	0,6	0,9	1,2	1,5
		KW	HP	Q=L/MIN	0	5	10	15	20	25
*S4-1/13	13	0,37	0,5	H (m)	82	80	75	66	53	36
*S4-1/19	19	0,55	0,75		124	121	112	98	78	54
*S4-1/26	26	0,75	1		169	163	149	129	102	69
*S4-1/37	37	1,1	1,5		225	218	200	172	134	85

*Solar Friendly

OPERATING CHARACTERISTICS AT 50Hz

Discharge 32mm



OPERATING CHARACTERISTICS AT 50Hz

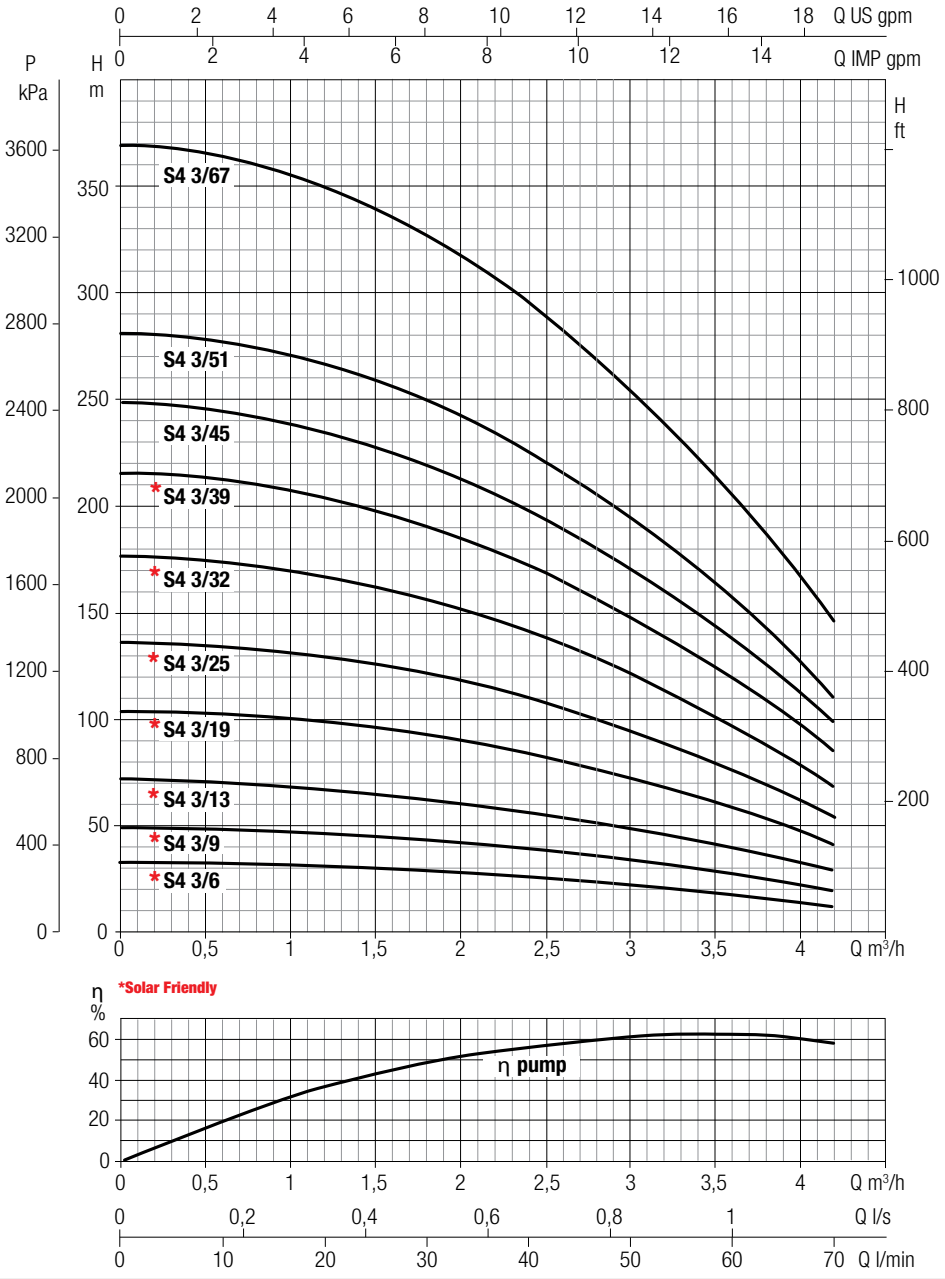
MODEL	NO. OF STAGES	P2 NOMINAL		Q=M³/H	0	1,2	1,5	1,8	2,4	3,0
		KW	HP	Q=L/MIN	0	20	25	30	40	50
*S4-2/5	5	0,37	0,5	H (m)	33	30	28	26	20	13
*S4-2/7	7	0,37	0,5		47	42	40	37	29	19
*S4-2/10	10	0,55	0,75		67	60	56	52	41	27
*S4-2/14	14	0,75	1		93	84	79	73	57	37
*S4-2/20	20	1,1	1,5		130	119	113	104	82	53
*S4-2/28	28	1,5	2		187	168	158	146	114	74
*S4-2/40	40	2,2	3		267	240	225	208	163	107
S4-2/52	52	3	4		347	312	293	270	212	139

*Solar Friendly

S4-3 SERIES

OPERATING CHARACTERISTICS AT 50Hz

Discharge 32mm



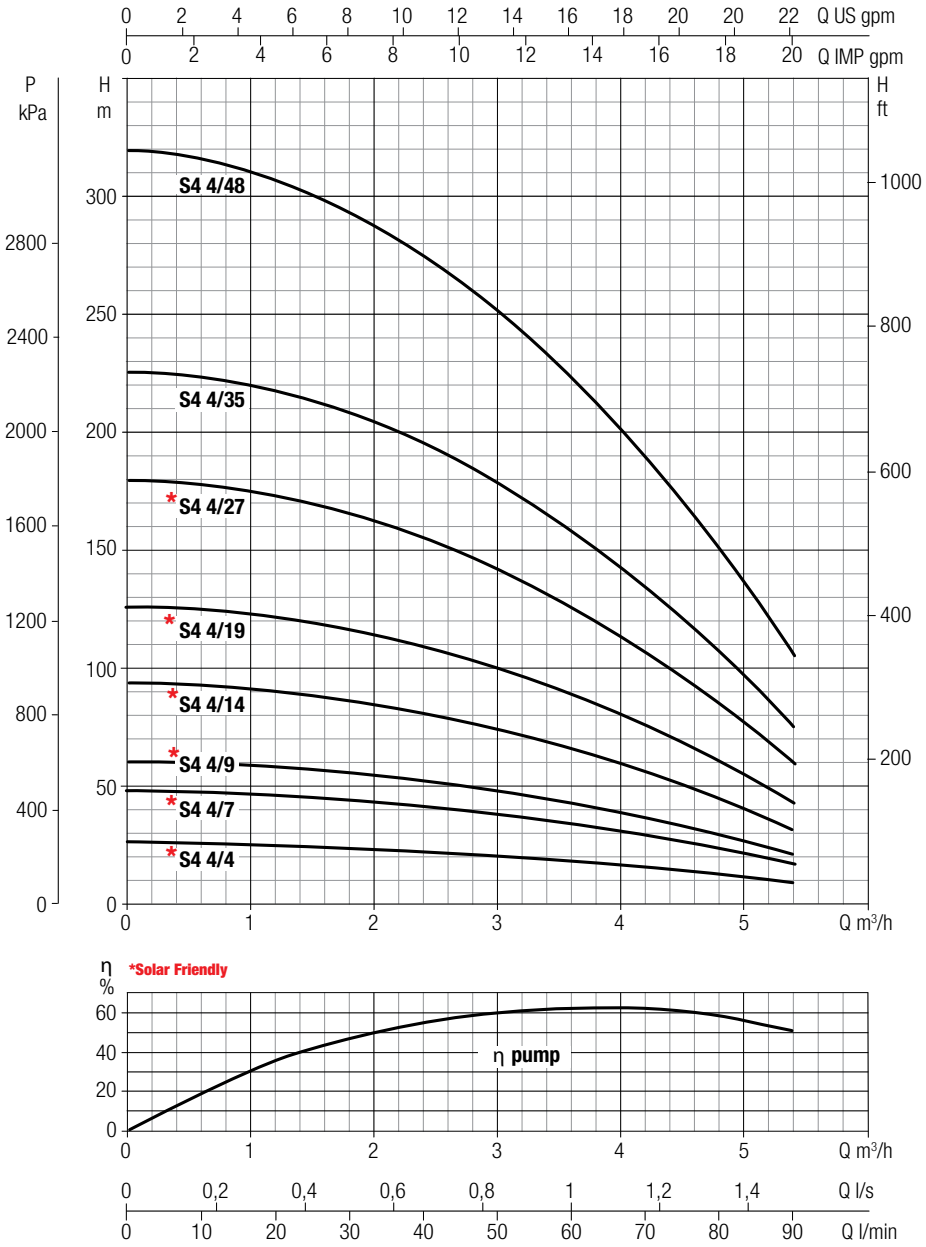
OPERATING CHARACTERISTICS AT 50Hz

MODEL	NO. OF STAGES	P2 NOMINAL		Q=M³/H	0	1,2	1,5	1,8	2,4	3,0	4,2
		KW	HP	Q=L/MIN	0	20	25	30	40	50	70
*S4-3/6	6	0,37	0,5	H (m)	33	32	31	30	27	23	13
*S4-3/9	9	0,55	0,75		50	47	46	44	40	34	20
*S4-3/13	13	0,75	1		72	68	66	64	57	50	29
*S4-3/19	19	1,1	1,5		105	100	97	94	85	73	42
*S4-3/25	25	1,5	2		138	131	127	122	110	95	55
*S4-3/32	32	2,2	3		176	167	162	156	141	121	69
*S4-3/39	39	2,2	3		215	204	198	191	172	148	86
S4-3/45	45	3	4		247	234	227	219	198	171	99
S4-3/51	51	3	4		281	267	259	249	225	194	111
S4-3/67	67	4	5,5		368	350	339	327	295	255	147

*Solar Friendly

OPERATING CHARACTERISTICS AT 50Hz

Discharge 32mm



OPERATING CHARACTERISTICS AT 50Hz

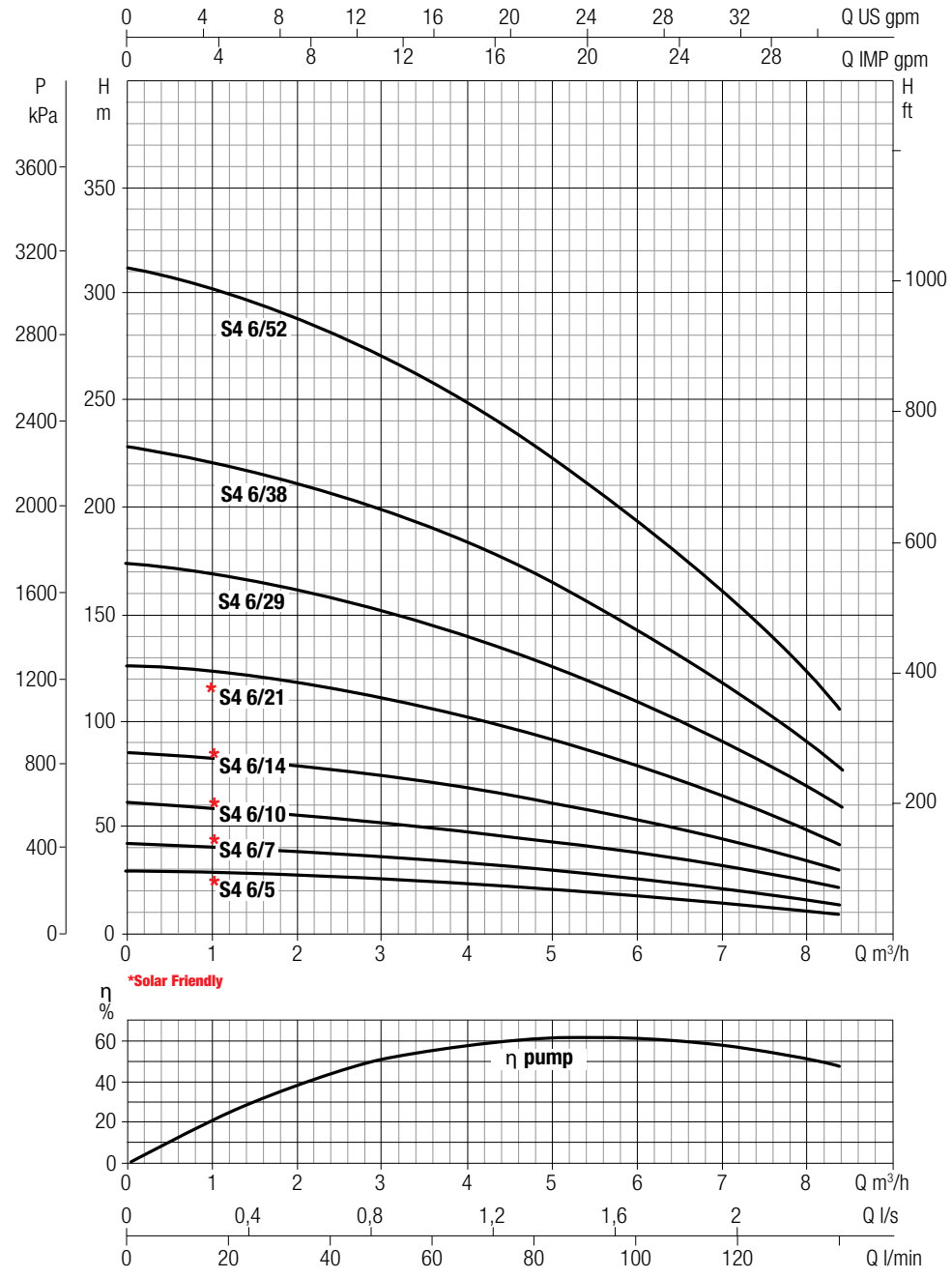
MODEL	NO. OF STAGES	P2 NOMINAL		Q=M³/H	0	1,8	2,4	3,0	4,2	5,4
		KW	HP	Q=L/MIN	0	30	40	50	70	90
*S4-4/4	4	0,37	0,5	H (m)	27	25	23	21	16	9
*S4-4/7	7	0,55	0,75		46	43	40	37	28	16
*S4-4/9	9	0,75	1		59	55	52	47	36	20
*S4-4/14	14	1,1	1,5		93	86	80	74	55	31
*S4-4/19	19	1,5	2		126	116	109	100	75	42
*S4-4/27	27	2,2	3		179	165	155	142	107	60
S4-4/35	35	3	4		226	209	195	179	135	76
S4-4/48	48	4	5,5		320	294	275	252	189	107

*Solar Friendly

S4-6 SERIES

OPERATING CHARACTERISTICS AT 50Hz

Discharge 32mm



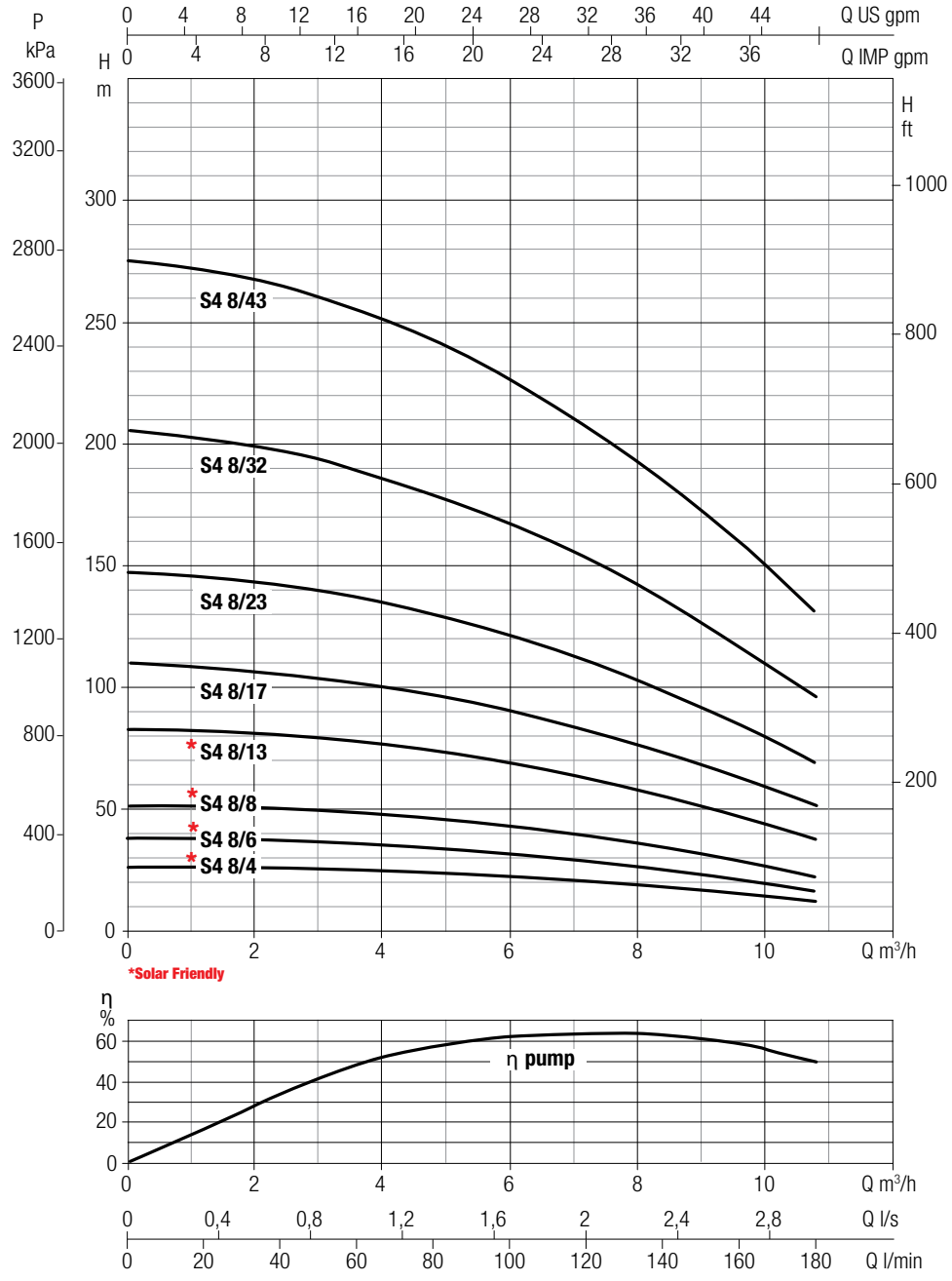
OPERATING CHARACTERISTICS AT 50Hz

MODEL	NO. OF STAGES	P2 NOMINAL		Q=M³/H	0	2,4	3,0	4,2	5,4	6,0	7,2	8,4
		KW	HP	Q=L/MIN	0	40	50	70	90	100	120	140
*S4-6/5	5	0,55	0,75	H (m)	30	27	26	23	20	18	15	10
*S4-6/7	7	0,75	1		43	38	36	33	28	26	20	14
*S4-6/10	10	1,1	1,5		61	54	52	47	40	37	30	22
*S4-6/14	14	1,5	2		85	76	73	66	57	52	42	30
*S4-6/21	21	2,2	3		125	113	109	98	85	78	62	43
S4-6/29	29	3	4		173	157	151	136	118	108	85	59
S4-6/38	38	4	5,5		227	205	197	178	154	141	111	77
S4-6/52	52	5,5	7,5		311	280	269	243	211	192	152	105

*Solar Friendly

OPERATING CHARACTERISTICS AT 50Hz

Discharge 50mm



OPERATING CHARACTERISTICS AT 50Hz

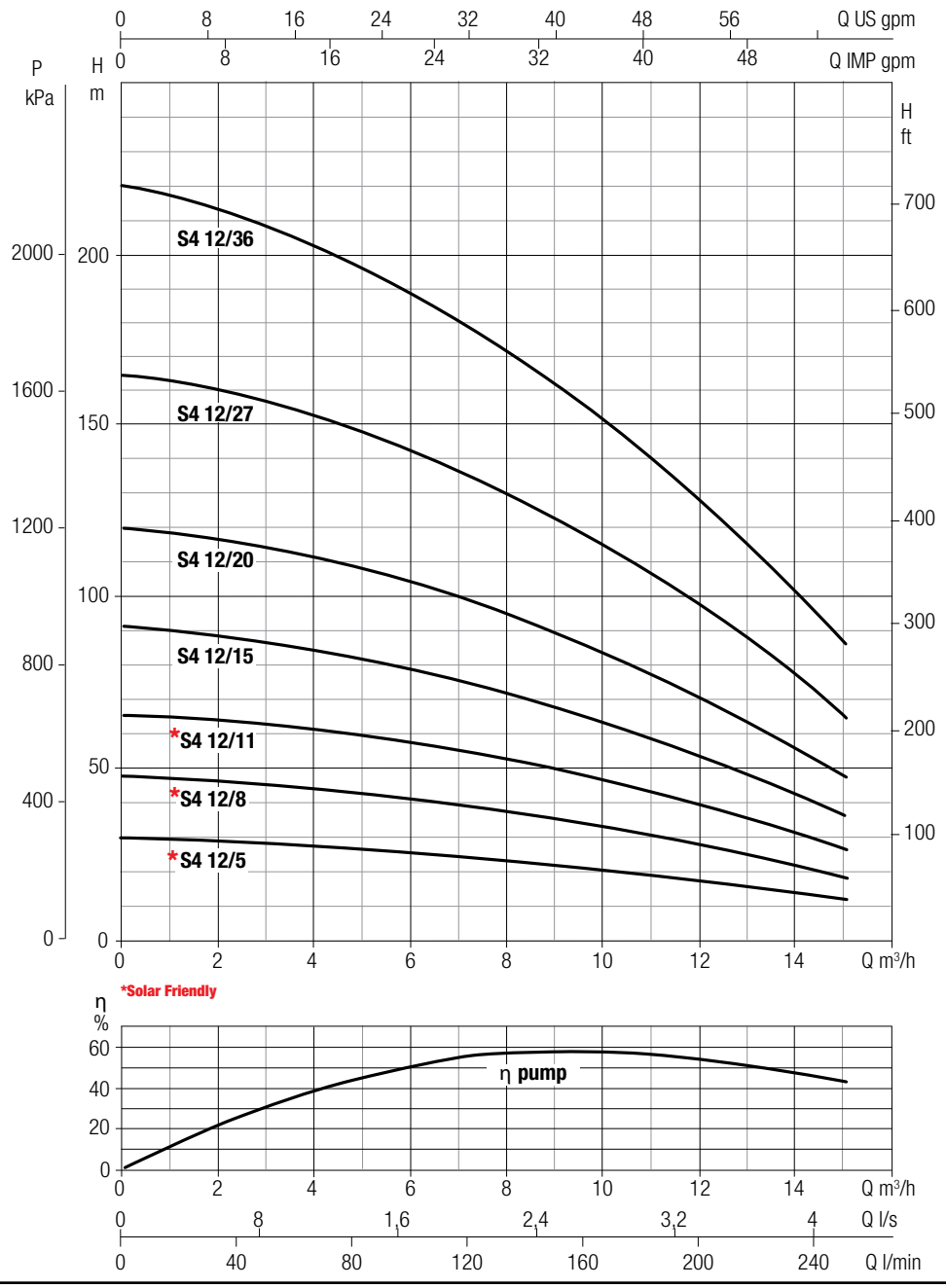
MODEL	NO. OF STAGES	KW	HP	Q=L/MIN	0	2,4	3,0	4,2	5,4	6,0	7,2	8,4	9,6	10,8
				Q=M³/H	0	40	50	70	90	100	120	140	160	180
*S4-8/4	4	0,75	1,0	H (m)	25	25	25	24	22	22	20	17	15	12
*S4-8/6	6	1,1	1,5		38	37	37	35	33	32	29	26	22	17
*S4-8/8	8	1,5	2,0		51	50	49	48	45	43	39	34	28	22
*S4-8/13	13	2,2	3,0		83	80	79	76	71	69	63	56	47	38
S4-8/17	17	3,0	4,0		109	105	104	99	93	90	82	73	63	52
S4-8/23	23	4,0	5,5		148	142	140	134	126	121	110	98	84	68
S4-8/32	32	5,5	7,5		205	196	193	184	173	167	153	136	118	97
S4-8/43	43	7,5	10		275	264	259	248	234	225	206	184	159	131

*Solar Friendly

S4-12 SERIES

OPERATING CHARACTERISTICS AT 50Hz

Discharge 50mm



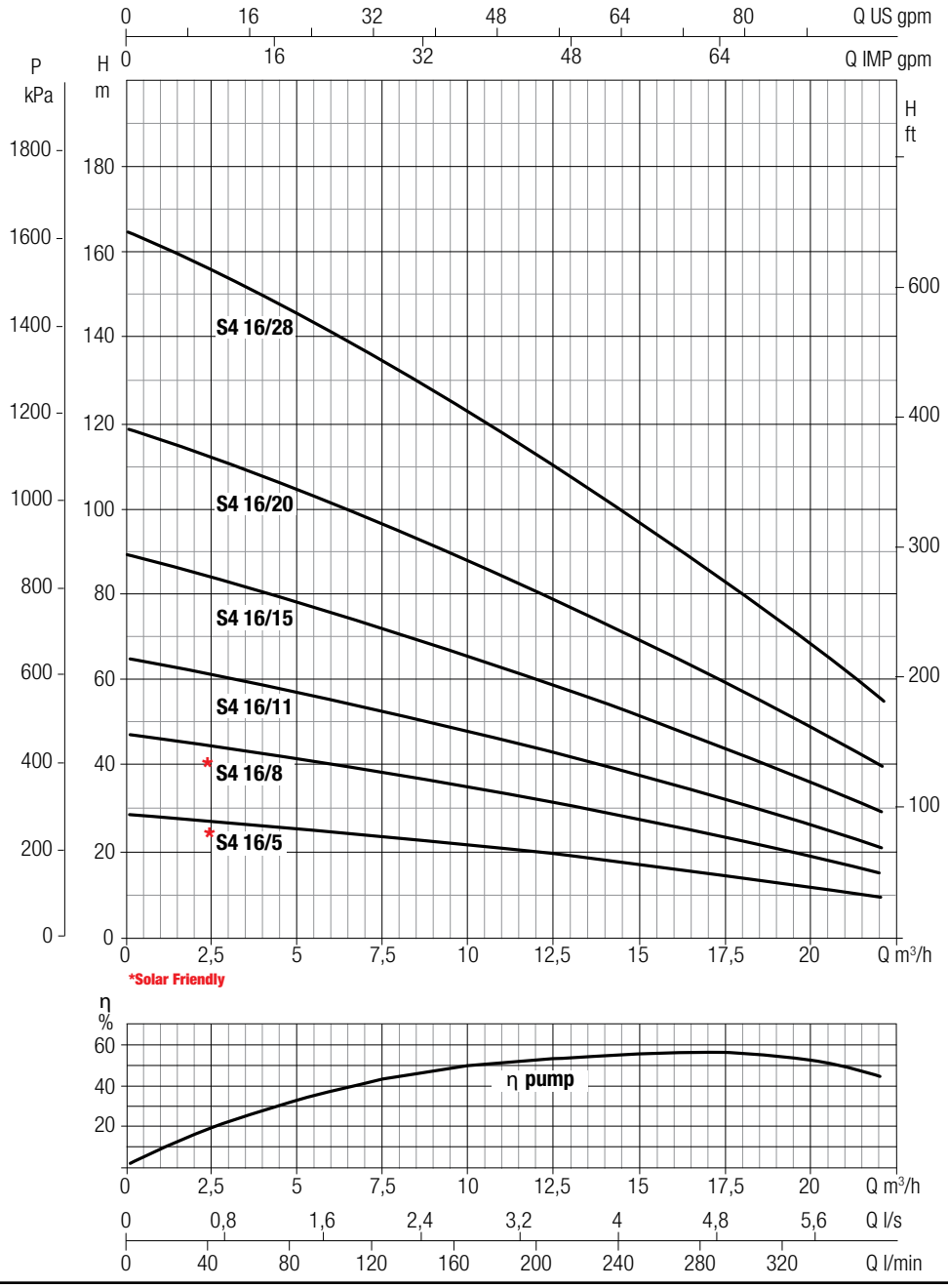
OPERATING CHARACTERISTICS AT 50Hz

MODEL	NO. OF STAGES	P2 NOMINAL		Q=M³/H	0	6,0	7,2	8,4	9,6	10,8	12,0	15,0
		KW	HP	Q=L/MIN	0	100	120	140	160	180	200	250
*S4-12/5	5	1,1	1,5		31	26	25	24	22	20	18	12
*S4-12/8	8	1,5	2		49	42	40	38	35	32	29	19
*S4-12/11	11	2,2	3		67	58	56	52	48	44	40	26
S4-12/15	15	3	4	H (m)	92	79	75	71	65	60	54	36
S4-12/20	20	4	5,5		122	105	100	94	87	80	72	48
S4-12/27	27	5,5	7,5		165	143	135	127	118	108	97	66
S4-12/36	36	7,5	10		221	189	180	169	156	143	129	87

*Solar Friendly

OPERATING CHARACTERISTICS AT 50Hz

Discharge 50mm



OPERATING CHARACTERISTICS AT 50Hz

MODEL	NO.OF STAGES	P2 NOMINAL KW	P2 NOMINAL HP	Q=M³/H / Q=L/MIN	0 / 0	8,4 / 140	9,6 / 160	10,8 / 180	12,0 / 200	15,0 / 250	18,0 / 300	22,0 / 367
*S4-16/5	5	1,5	2	H (m)	29	23	22	21	20	17	14	10
*S4-16/8	8	2,2	3		47	38	36	34	32	28	23	16
S4-16/11	11	3	4		65	51	49	47	44	38	31	22
S4-16/15	15	4	5,5		89	70	67	64	60	52	43	30
S4-16/20	20	5,5	7,5		119	94	90	85	81	70	58	40
S4-16/28	28	7,5	10		165	130	125	119	113	97	80	56

*Solar Friendly

WATERPACK / COMBOPACK


PUMP AND MOTOR


CONTROL BOX


CABLE JOINT


CABLE 50M/ 70M


MALE ADAPTORS


NYLON ROPE


BASEPLATE 32MM

WATER PACK								
	DAB 1	✓	✓	✓	70M	✓	70M	✓
	DAB 2	✓	✓	✓	50M	✓	50M	✓
	DAB 3	✓	✓	✓	70M	✓	70M	✓
	DAB 4	✓	✓	✓	70M	✓	70M	✓


PUMP AND MOTOR


CONTROL BOX


CABLE JOINT


CABLE 50M/ 70M


MALE ADAPTORS


NYLON ROPE


BASEPLATE 32MM

3 IN 1 BOREHOLE COMBO								
	DAB 1	✓	✓	✗	✗	✗	✗	✗
	DAB 2	✓	✓	✗	✗	✗	✗	✗
	DAB 3	✓	✓	✗	✗	✗	✗	✗
	DAB 4	✓	✓	✗	✗	✗	✗	✗
	DAB 5	✓	✓	✗	✗	✗	✗	✗

TECHNICAL DATA

MODEL	3 IN 1 BOREHOLE COMBO	WATER PACK	kW	Q=L/MIN	0	5	10	15	20	25	30	40	50
				Q=M3/H	0	0.3	0.6	0.9	1.2	1.5	1.8	2.4	3
S4-1/13	**DAB 1**	**DAB 1**	0.37kW		82	80	75	66	53	36			
S4-2/7	**DAB 2**	**DAB 2**	0.37kW		47				42	40	37	29	19
S4-2/10	**DAB 3**	**DAB 3**	0.55kW	H(M)	67				60	56	52	41	27
S4-2/14	**DAB 4**	**DAB 4**	0.75kW		93				84	79	73	57	37
S4-2/20	**DAB 5**		1.1kW		130				119	113	104	82	53

4GG - 4” SUBMERSIBLE MOTORS

4” Asynchronous two-poles submersible motor, **made in AISI 304 stainless steel** for parts in contact with water. Cooling and lubrication of the thrust bearing assembly and carbon bushes is provided by a **mixture of water and glycol.** Squirrel-cage rotor mounted on Kingsbury self-centring thrust bearing. Stator housed in an airtight stainless steel casing (canned-type, resin filled) with both flangs and shell in AISI 304L stainless steel. Removable cable connector to allow fast and easy maintenance. The cable is certified ACS, WRAS and KTW. Motor suitable for use with variable frequency drive (30 Hz – 50 Hz). Capacitor and manually resettable overload protection located in the electric panel that can be supplied separately for the single-phase 50 Hz version. Overload protection must be provided by user for the three-phase version.

Flanging: NEMA - 4”
Protection level: IP 68
Insulation class: F
Voltage: Single-phase 220-230 V / 50 Hz
Three-phase 400 V / 50 Hz - 230 V / 50 Hz
Equipped with cable
1,7 m for motor power up to 2,2 kW
2,7 m for motor power up to 3 kW
3,5 m for motor power of 7,5 kW

TECHNICAL DATA

MODEL	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	Cs/Cn	P1 (W)	N (min^{-1})	Cos φ	η %	C (µF)	CABLE Ø mm^2	CABLE LC (m)
4GG - 0,37 KW - 230 V - M	0,5	0,37	1x230 V ~	3,3	2,7	0,69	740	2820	0,97	50	16	4x1,5	1,7
4GG - 0,55 KW - 230 V - M	0,75	0,55	1x230 V ~	4,6	3,3	0,68	1000	2820	0,94	56	20	4x1,5	1,7
4GG - 0,75 KW - 230 V - M	1	0,75	1x230 V ~	6,2	3,2	0,66	1300	2820	0,92	58	25	4x1,5	1,7
4GG - 1,1 KW - 230 V - M	1,5	1,1	1x230 V ~	8,6	3,6	0,68	1820	2830	0,90	62	35	4x1,5	1,7
4GG - 1,5 KW - 230 V - M	2	1,5	1x230 V ~	11	3,7	0,62	2320	2830	0,91	65	40	4x1,5	1,7
4GG - 2,2 KW - 230 V - M	3	2,2	1x230 V ~	16	3,1	0,6	3460	2810	0,89	65	60	4x1,5	1,7
4GG - 0,37 KW - 400 V - T	0,5	0,37	3x400 V ~	1,4	3,8	3	710	2820	0,66	53	-	4x1,5	1,7
4GG - 0,37 KW - 230 V - T	0,5	0,37	3x230 V ~	2,7	3,7	3	710	2820	0,66	53	-	4x1,5	1,7
4GG - 0,55 KW - 400 V - T	0,75	0,55	3x400 V ~	1,9	4,2	3,1	920	2830	0,72	60	-	4x1,5	1,7
4GG - 0,55 KW - 230 V - T	0,75	0,55	3x230 V ~	3,3	4,2	3,1	920	2830	0,72	60	-	4x1,5	1,7
4GG - 0,75 KW - 400 V - T	1	0,75	3x400 V ~	2,4	5,0	3,2	1190	2830	0,73	63	-	4x1,5	1,7
4GG - 0,75 KW - 230 V - T	1	0,75	3x230 V ~	4,1	5,1	3,2	1190	2830	0,72	63	-	4x1,5	1,7
4GG - 1,1 KW - 400 V - T	1,5	1,1	3x400 V ~	3,4	4,1	3,3	1720	2830	0,76	64	-	4x1,5	1,7
4GG - 1,1 KW - 230 V - T	1,5	1,1	3x230 V ~	5,7	4,2	3,3	1720	2830	0,72	64	-	4x1,5	1,7
4GG - 1,5 KW - 400 V - T	2	1,5	3x400 V ~	4,4	4,3	3,4	2200	2830	0,72	68	-	4x1,5	1,7
4GG - 1,5 KW - 230 V - T	2	1,5	3x230 V ~	7,6	4,3	3,4	2200	2830	0,72	68	-	4x1,5	1,7
4GG - 2,2 KW - 400 V - T	3	2,2	3x400 V ~	5,9	4,4	3,2	3170	2820	0,78	71	-	4x1,5	1,7
4GG - 2,2 KW - 230 V - T	3	2,2	3x230 V ~	10,2	4,4	3,2	3170	2820	0,78	71	-	4x1,5	1,7
4GG - 3,0 KW - 400 V - T	4	3	3x400 V ~	8,3	4,6	3,3	4050	2840	0,71	74	-	4x1,5	2,7
4GG - 3,0 KW - 230 V - T	4	3	3x230 V ~	14,3	4,6	3,3	4050	2840	0,71	74	-	4x1,5	2,7
4GG - 4,0 KW - 400 V - T	5,5	4	3x400 V ~	10	5,6	3,4	5340	2850	0,79	75	-	4x1,5	2,7
4GG - 4,0 KW - 230 V - T	5,5	4	3x230 V ~	17,3	5,6	3,4	5340	2850	0,79	75	-	4x2	2,7
4GG - 5,5 KW - 400 V - T	7,5	5,5	3x400 V ~	14	5,5	3,4	7110	2850	0,74	77	-	4x1,5	2,7
4GG - 5,5 KW - 230 V - T	7,5	5,5	3x230 V ~	24,2	5,5	3,4	7110	2850	0,74	77	-	4x2	2,7
4GG - 7,5 KW - 400 V - T	10	7,5	3x400 V ~	17,4	4,8	2,9	9520	2850	0,80	79	-	4x2	3,5

P2: Nominal power
Cs/Cn: Starting torque/Nominal torque
η: Yield
V: Nominal voltage
P1: Absorbed power
C: Capacitor
In: Nominal current
N: Rotations per minute - R.p.m
Ø: Cable cross section
Is/In: Starting current/Nominal current
Cos φ: Power factor
LC: Cable length

40L - 4” SUBMERSIBLE MOTORS

4” Asynchronous two-poles submersible motor made from AISI 304 stainless steel for parts in contact with water. Cooling and lubrication of the ball bearings is provided by a **special FDA-approved liquid.** Stator housed in an external shell in AISI 304L connected with stainless steel pins to the upper support of the motor. Removable cable connector to allow fast and easy maintenance. The cable is certified ACS, WRAS and KTW.

Motor suitable for use with variable frequency drive (30 Hz – 50 Hz). Mechanical seal in ceramic-carbon. Capacitor and manually resettable overload protection located in the electric panel that can be supplied separately for the single-phase version. Overload protection must be provided by user for the three-phase version. The motor can be equipped with a PT100 temperature sensor.

TECHNICAL DATA

MODEL	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	Cs/Cn	P1 (W)	N (min^{-1})	Cos φ	η %	C (μF)	CABLE Ø mm^2	CABLE LC (m)
40L - 0,37 KW - 230 V - M	0,5	0,37	1x230 V ~	3,5	2,6	0,64	725	2800	0,9	51	16	4x1,5	1,7
40L - 0,55 KW - 230 V - M	0,75	0,55	1x230 V ~	4,5	2,7	0,60	950	2800	0,92	58	20	4x1,5	1,7
40L - 0,75 KW - 230 V - M	1	0,75	1x230 V ~	6,3	3,2	0,64	1275	2820	0,88	59	25	4x1,5	1,7
40L - 1,1 KW - 230 V - M	1,5	1,1	1x230 V ~	8,5	2,9	0,54	1780	2800	0,91	62	35	4x1,5	1,7
40L - 1,5 KW - 230 V - M	2	1,5	1x230 V ~	10,8	3,2	0,43	2160	2800	0,87	69	40	4x1,5	1,7
40L - 2,2 KW - 230 V - M	3	2,2	1x230 V ~	14	3,2	0,57	3060	2800	0,87	78	60	4x1,5	1,7
40L - 0,37 KW - 400 V - T	0,5	0,37	3x400 V ~	1,6	3,3	3,5	700	2820	0,63	53	-	4x1,5	1,7
40L - 0,37 KW - 230 V - T	0,5	0,37	3x230 V ~	2,8	3,2	3,5	700	2820	0,63	53	-	4x1,5	1,7
40L - 0,55 KW - 400 V - T	0,75	0,55	3x400 V ~	2,2	3,4	3,9	980	2820	0,64	56	-	4x1,5	1,7
40L - 0,55 KW - 230 V - T	0,75	0,55	3x230 V ~	3,8	3,4	3,9	980	2820	0,64	56	-	4x1,5	1,7
40L - 0,75 KW - 400 V - T	1	0,75	3x400 V ~	2,6	3,8	3,7	1200	2820	0,68	62	-	4x1,5	1,7
40L - 0,75 KW - 230 V - T	1	0,75	3x230 V ~	4,5	3,8	3,7	1200	2820	0,68	62	-	4x1,5	1,7
40L - 1,1 KW - 400 V - T	1,5	1,1	3x400 V ~	3,6	4,4	4,3	1700	2830	0,68	65	-	4x1,5	1,7
40L - 1,1 KW - 230 V - T	1,5	1,1	3x230 V ~	6,2	4,5	4,3	1700	2830	0,68	65	-	4x1,5	1,7
40L - 1,5 KW - 400 V - T	2	1,5	3x400 V ~	5,1	4,3	4,4	2160	2810	0,68	69	-	4x1,5	1,7
40L - 1,5 KW- 230 V - T	2	1,5	3x230 V ~	7,9	4,4	4,4	2160	2810	0,68	69	-	4x1,5	1,7
40L - 2,2 KW - 400 V - T	3	2,2	3x400 V ~	6	5,2	3,3	3050	2810	0,7	72	-	4x1,5	1,7
40L - 2,2 KW - 230 V - T	3	2,2	3x230 V ~	10,4	5,2	3,3	3050	2810	0,7	72	-	4x1,5	1,7
40L - 3 KW - 400 V - T	4	3	3x400 V ~	7,9	5,7	3,3	4000	2840	0,73	75	-	4x1,5	2,7
40L - 3 KW - 230 V - T	4	3	3x230 V ~	13,6	5,7	3,3	4000	2840	0,73	75	-	4x1,5	2,7
40L - 4 KW - 400 V - T	5,5	4	3x400 V ~	10,2	5,4	3,4	5260	2850	0,74	76	-	4x1,5	2,7
40L - 4 KW - 230 V - T	5,5	4	3x230 V ~	17,6	5,4	3,4	5260	2850	0,74	76	-	4x2	2,7
40L - 5,5 KW - 400 V - T	7,5	5,5	3x400 V ~	13,1	5,3	3,4	6900	2850	0,76	80	-	4x1,5	2,7
40L - 5,5 KW - 230 V - T	7,5	5,5	3x230 V ~	22,6	5,4	3,4	6900	2850	0,76	80	-	4x2	2,7
40L - 7,5 KW - 400 V - T	10	7,5	3x400 V ~	16,9	5,0	3	9030	2840	0,77	81	-	4x2	3,5

P2: Nominal power
Cs/Cn: Starting torque/Nominal torque
η: Yield
V: Nominal voltage
P1: Absorbed power
C: Capacitor
In: Nominal current
N: Rotations per minute - R.p.m
Ø: Cable cross section
Is/In: Starting current/Nominal current
Cos φ: Power factor
LC: Cable length

CB - CONTROL SINTESI BOX

- Housing in shockproof thermoplastic with two cable clamps
- Luminous 2-pole main switch (power ON)
- Protection level: IP 43
- Starter capacitor
- Thermal cut-out protection with external manual reset

	MODEL	CODE	VOLTAGE 50 Hz	P2 NOMINAL		PROTECTION	CAPACITOR µF	DIMENSIONS mm	GROSS WEIGHT Kg
				kW	HP				
	**CBS 05/16 (0,37 KW)**	**60149564**	1x230 V ~	0,37	0,55	5 A	16	85 x 170 x 65	0,65
	CBS 06/20 (0,55KW)	**60149565**	1x230 V ~	0,55	0,75	6 A	20	85 x 170 x 65	0,65
	CBS 09/25 (0,75 KW)	**60149566**	1x230 V ~	0,75	1	9 A	25	85 x 170 x 65	0,65
	CBS 12/35 (1,1 KW)	**60148895**	1x230 V ~	1,1	1,5	12 A	35	85 x 170 x 65	0,65
	CBS 15/40 (1,5KW)	**60140961**	1 x 230 V~	1,5	2	15 A	40	85 x 170 x 65	0,65
	CBS 20/60 (2,2 KW)	**60140962**	1 x 230 V~	2,2	3	20 A	60	85 x 170 x 65	0,65

CBB - CONTROL BOOSTER BOX

Control panel for increasing the starting torque of the single-phase electric pumps with capacities ranging from 0.37 to 3.7 kW single-phase containing the microdisgiuntore for overload protection with manual reset, the starting capacitor and the run capacitor and terminal block for electrical connections.

Plug not included.
Degree of protection: IP 54
Ambient operating temperature: -10 ° C + 40 ° C
Wall mounting box in self-extinguishing thermoplastic material.

	MODEL	CODE	VOLTAGE 50 Hz	POWER MAX kW		MAX CURRENT A	RUN CAPACITOR µF	STARTING CAPACITOR µF	WEIGHT Kg
				kW	HP				
	**CBB 05/16 (0,37 KW)**	**60146744**	1 x 230 V	0,37	0,55	5	16	53-64	0,85
	CBB 06/20 (0,55KW)	**60146745**	1 x 230 V	0,55	0,75	6	20	53-64	0,85
	CBB 09/25 (0,75 KW)	**60146746**	1 x 230 V	0,75	1	9	25	100-130	1,5
	CBB 12/35 (1,1 KW)	**60146747**	1 x 230 V	1,1	1,5	12	35	100-130	1,1
	CBB 15/40 (1,5KW)	**60146749**	1 x 230 V	1,5	2	15	40	189-250	1,1
	CBB 20/60 (2,2 KW)	**60146750**	1 x 230 V	2,2	3	20	60	189-250	1,5

GUARDIAN

Electronic control unit for protection and control of the single-phase/three-phase motor/pump with direct starting.
Dry run protection of motor/pump not with level probe but with measurement of the cos factor of the motor.
Box in shockproof self-extinguishing thermoplastic with two cable glands.
Main switch.
Power input: single-phase 230 V + 10 % - 20 %, three-phase 400 V + 10 % - 20 %.
Four models available with power ratings of 0,37 - 11kW.
Protection class IP54.

Running capacitor for the single-phase version **(to be ordered separately)**.
Opto-coupled auxiliary input for control with connection of probes, pressure switch or float switch.
ON-OFF switch.
Functional features:
Overload protection.
Power loss protection (three-phase version).
Overvoltage protection.
Short circuit protection.
Dry run protection.

No capacitors included

	MODEL	POWER INPUT 50-60 Hz	RANGE kW	MAX CURRENT A	BOX DIMENSIONS			WEIGHT kg
					A	B	H	
	**GUARDIAN ME (exluding running capacitor)**	1 x 230 V,	0, 37 - 2,2	< 18	175	175	80	0,9
	GUARDIAN 1E	3 x 400 V,	0, 37 - 3	< 9	245	195	95	1
	GUARDIAN 2E	3 x 400 V,	3 - 7,5	< 20	215	170	75	1,4
	GUARDIAN 3E	3 x 400 V,	9 - 11	< 30	215	170	75	1,6

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On-line selection tool

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