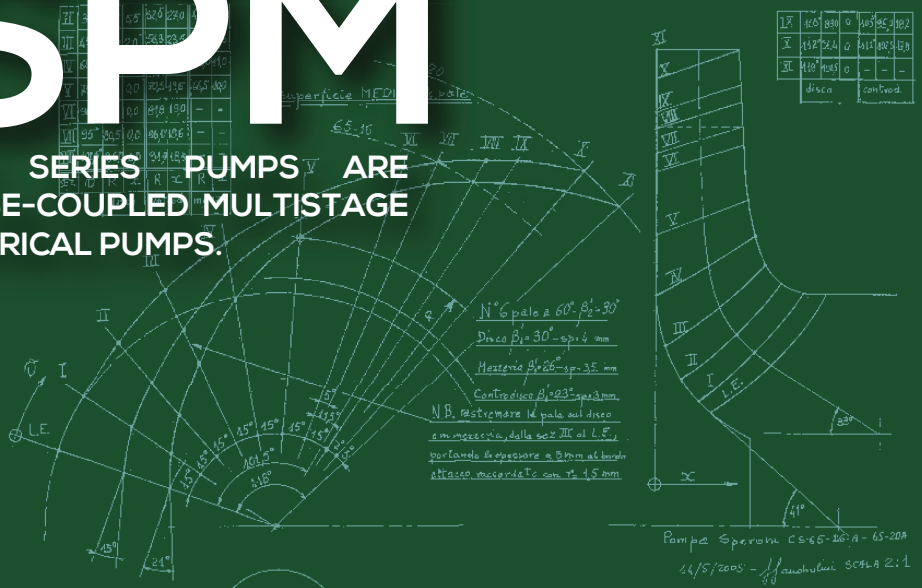
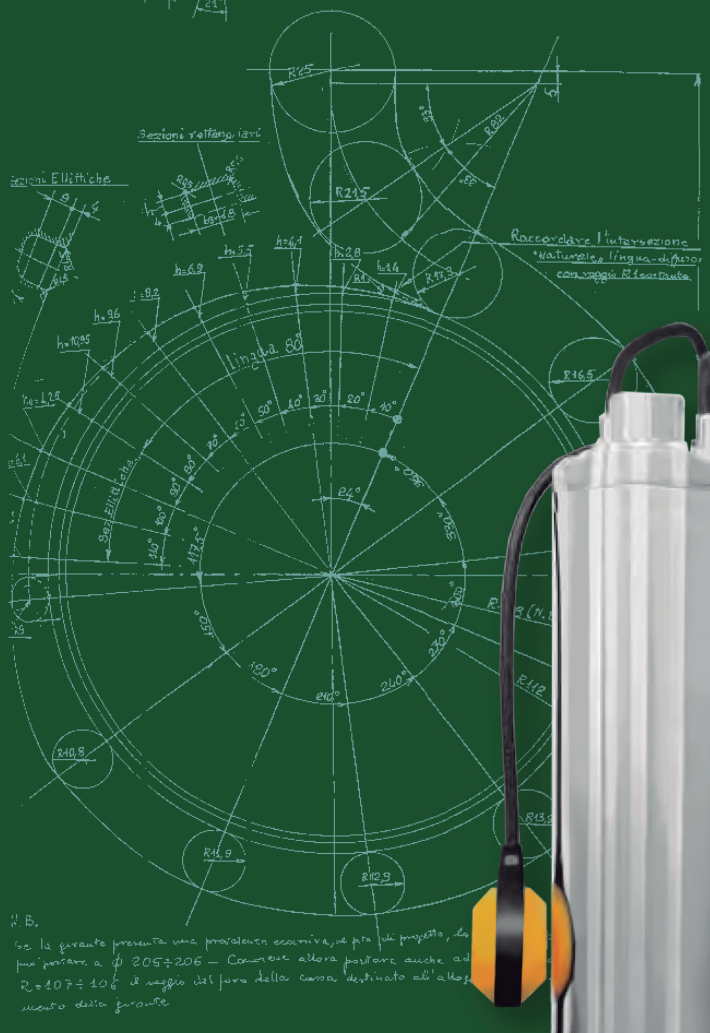
SPERONI®
WATER PUMPS

SPM

SPM SERIES PUMPS ARE CLOSE-COUPLED MULTISTAGE CENTRICAL PUMPS.







SPERONI®
WATER PUMPS

60 Hz

SPERONI®

ÍNDICE

GENERAL DATA

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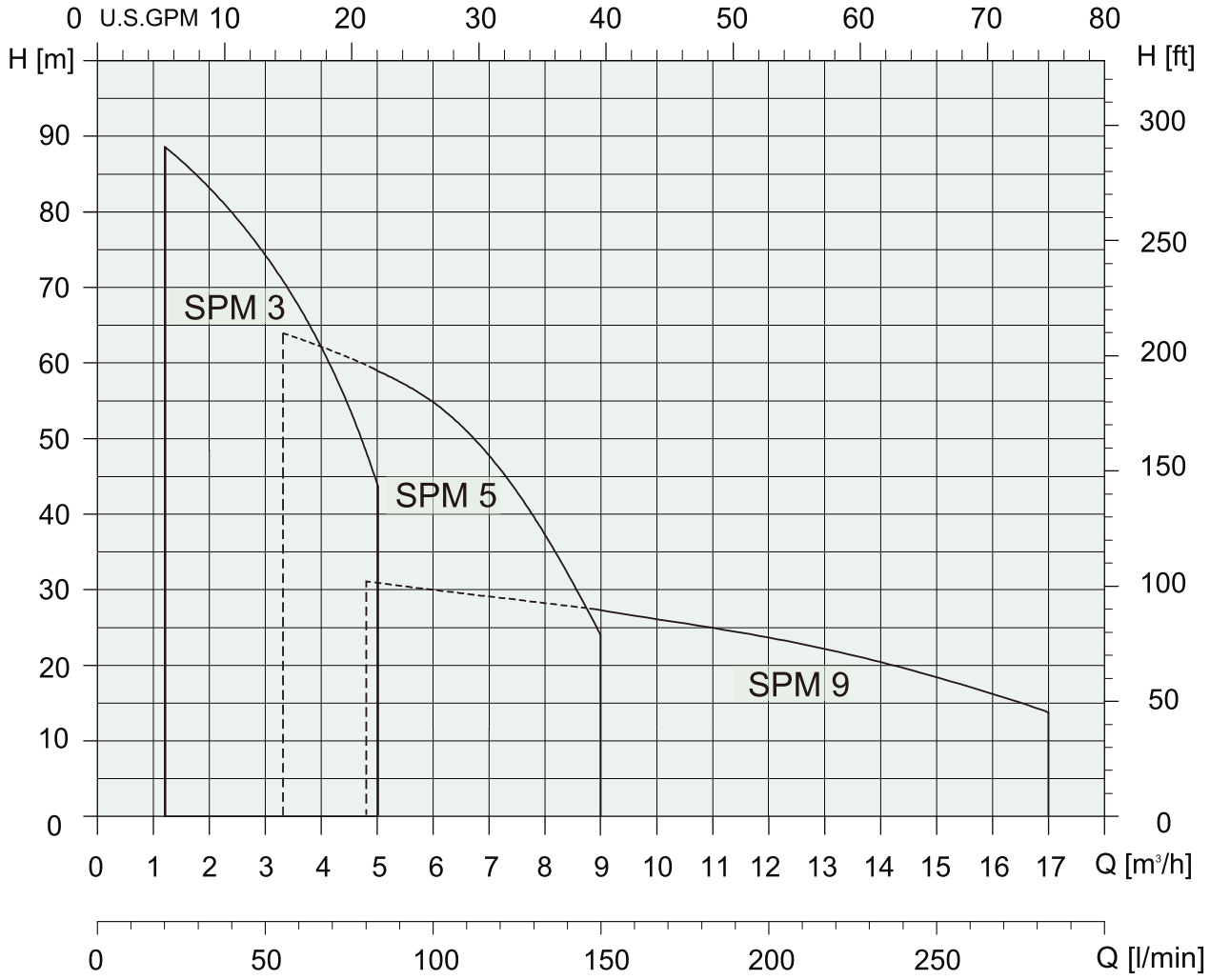


SPM SERIES

60 HZ

GENERAL DATA

PERFORMANCE RANGE





SPM SERIES

GENERAL DATA



MODEL CODE

SPM 3 - 08 M A

- A — With float switch
- M — Single phase
- 08 — Number of stages
- 3 — Flow Rate [m³/h]
- SPM — Series name

DESCRIPTION

Close coupled multi-stage submersible pumps. The motor is protected by a double seal system with an oil chamber providing long lasting reliability. Motor cooling is assured by the pumping liquid. AISI 304 stainless steel body and impeller ensure performance and maximum operational efficiency. The SPM 5" is available with or without float switch. It can also be installed in a horizontal position. The unit comes with 20 meters of cable and has a maximum permissible quantity of suspended sand 25 g/m³.

APPLICATIONS

- Water supply from collection tanks, reservoirs, 6" wells traditional wells, fresh water courses, lakes etc.
- Automatic systems for garden use.
- Surface irrigation systems.
- Increasing pressure in general inside tank or well, to avoid suction problems and noise.
- Rainwater harvesting system.

MOTOR

- Discharge size: RP 1 ¼" OR npt 1 ¼" or G 1 ¼"
- Delivery: up to 17 m³/h.
- Head: up to 94 m
- Power supply: Single phase, three phase 60 Hz
- Power: from 0.55 kW up to 1.5 kW.
- Temperature of pumped liquid: to 40 °C
- Maximum immersion depth: 20 m
- Maximum solids size: up to 2 mm.
- Insulation class : F
- Protection: IP 68

MATERIAL OPTIONS

- Pump housing: AISI 304 stainless steel
- Impeller: AISI 304 stainless steel
- Elastomers: NBR
- Motors: Different voltages

FEATURES

- Innovative.
- Fast and easy installation.
- Double Mechanical Seal System.
- Versions with or without float switch.
- Material Stainless Steel – AISI 304.
- Installation: horizontal or vertical.
- Built in thermal protector for single phase model.
- Plug and play (Single phase only w/control box).

CONTROL BOX FOR SINGLE PHASE MODELS

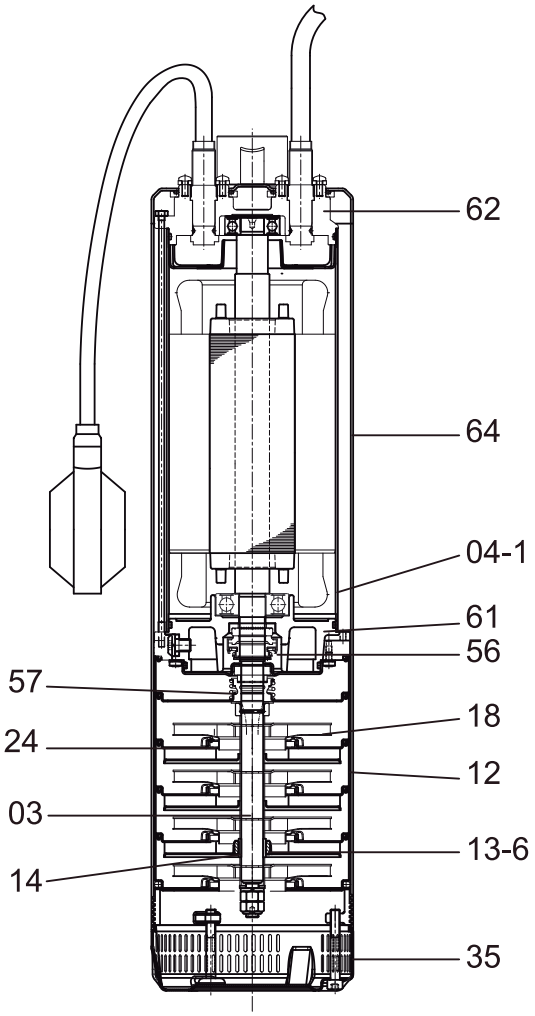
- Capacitor
- Overload relay
- On/off switch

POS	SPERONI	OTHER BRAND	OTHER BRAND
01			
02			

SPM SERIES

GENERAL DATA

MATERIAL



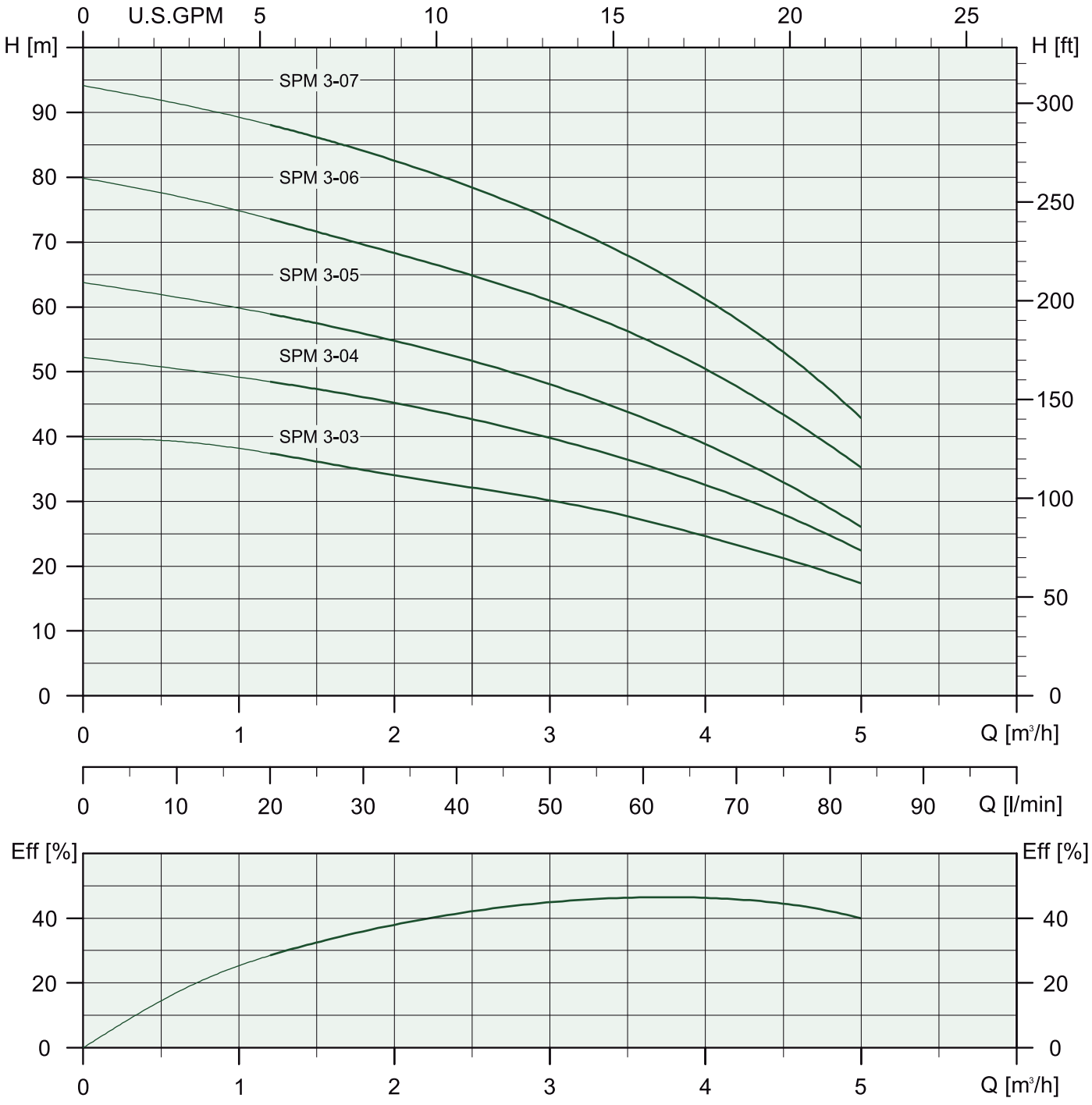
POS	COMPONENT	MATERIAL	ED/DIN	ANSI/ASTM
03	Pump shaft	Stainless steel	1.4057	AISI 431
04-1	Motor sleeve	Stainless steel	1.4301	AISI 304
12	Chamber complete	Stainless steel	1.4301	AISI 304
13-6	Bearing ring (stationary)	Silicon carbide		
14	Bearing ring (rotating)	Silicon carbide		
18	Impeller	Stainless steel	1.4301	AISI 304
24	Neck ring	PTFE		
35	Suction strainer	Stainless steel	1.4301	AISI 304
56	Mechanical seal	Carbon/ Ceramic/ NBR		
57	Mechanical seal	Carbon/ SIC/ NBR		
61	Lower bearing bracket	Stainless steel	1.4301	AISI 304
62	Upper bearing bracket	Stainless steel	1.4301	AISI 304
64	External sleeve	Stainless steel	1.4301	AISI 304

SPM SERIES

60 HZ

TECNICAL DATA

PERFORMANCE CURVE



SPECIFICATIONS

PUMP TYPE				Q = DELIVERY									
1ø		3ø		m³/h	0	1.2	1.5	2.0	2.5	3.0	3.6	4.0	4.5	5.0
220 - 240V		220 - 255V	380 - 440V	l/min	0	20.0	25.0	33.3	41.7	50.0	60.0	66.7	75.0	83.3
SPM 3-03 MA	SPM 3-03 M	SPM 3-03			40	37	36	34	32	30	27	25	21	17
SPM 3-04 MA	SPM 3-04 M	SPM 3-04		H (m)	52	48	47	45	43	40	36	33	28	22
SPM 3-05 MA	SPM 3-05 M	SPM 3-05			64	59	57	55	52	48	43	39	33	26
SPM 3-06 MA	SPM 3-06 M	SPM 3-06			80	74	72	68	65	61	55	50	43	35
SPM 3-07 MA	SPM 3-07 M	SPM 3-07			94	88	86	83	78	74	67	61	53	43

SPM SERIES

60 HZ

TECNICAL DATA

SPECIFICATIONS

MODEL	P1	P2		CAPACITOR		MAX. Amp [A]		HEAD		FLOW	
	kW	HP	kW	μF	V	220 - 240V	380 - 440V	RATED (m)	MAX (m)	RATED (m³/h)	MAX (m³/h)
Single phase auto (With float switch, with control box).											
SPM 3-03 MA	1.06	0.75	0.55	40	300	5.0-4.8	-	27	40	3.6	5
SPM 3-04 MA	1.25	1.0	0.75	50	250	6.1-5.6	-	36	52	3.6	5
SPM 3-05 MA	1.46	1.0	0.75	50	250	7.0-6.6	-	43	64	3.6	5
SPM 3-06 MA	1.65	1.5	1.1	25	450	8.0-8.5	-	55	80	3.6	5
SPM 3-07 MA	1.96	2.0	1.5	35	450	9.1-8.7	-	67	94	3.6	5
Single phase manual (With control box).											
SPM 3-03 M	1.06	0.75	0.55	40	300	5.0-4.8	-	27	40	3.6	5
SPM 3-04 M	1.25	1.0	0.75	50	250	6.1-5.6	-	36	52	3.6	5
SPM 3-05 M	1.46	1.0	0.75	50	250	7.0-6.6	-	43	64	3.6	5
SPM 3-06 M	1.65	1.5	1.1	25	450	8.0-8.5	-	55	80	3.6	5
SPM 3-07 M	1.96	2.0	1.5	35	450	9.1-8.7	-	67	94	3.6	5

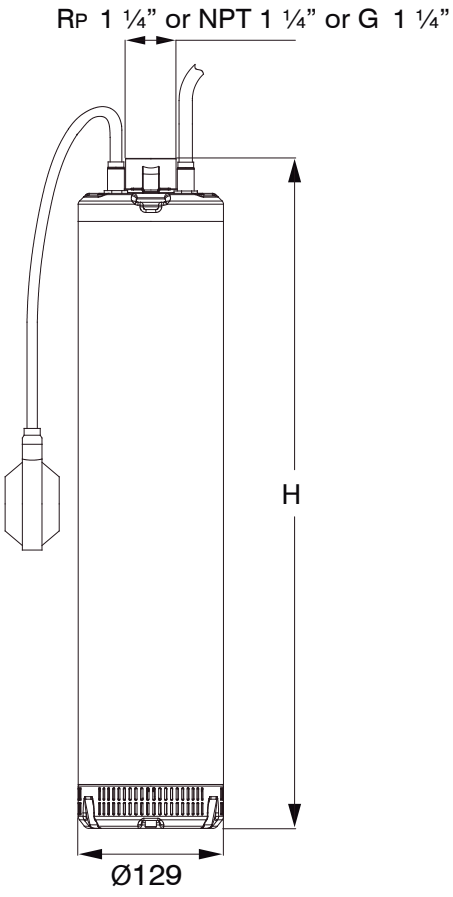
MODEL	kW	HP	kW	μF	V	220 - 240V	380 - 440V	RATED (m)	MAX (m)	RATED (m³/h)	MAX (m³/h)
Three phase											
SPM 3-03	0.86	0.75	0.55	-	-	2.8-2.7	1.6-1.5	27	40	3.6	5
SPM 3-04	1.02	1.0	0.75	-	-	3.3-3.1	1.9-1.8	36	52	3.6	5
SPM 3-05	1.27	1.0	0.75	-	-	3.9-3.7	2.8-2.1	43	64	3.6	5
SPM 3-06	1.48	1.5	1.1	-	-	4.7-4.5	2.8-2.6	55	80	3.6	5
SPM 3-07	1.77	2.0	1.5	-	-	5.6-5.4	3.3-3.0	67	94	3.6	5

*Maximun values with operating range.

SPECIFICATIONS

MODEL	H	CABLE SJTW(220-240V)		SOLID PASSAGE (mm)	NET WEIGHT (kg)
		m	AWG		
Single phase auto (With float switch, with control box).					
SPM 3-03 MA	409	20	16X4C	2	14.3
SPM 3-04 MA	447	20	16X4C	2	16.0
SPM 3-05 MA	465	20	16X4C	2	16.3
SPM 3-06 MA	501	20	14X4C	2	18.9
SPM 3-07 MA	559	20	14X4C	2	21.8
Single phase manual (With control box).					
SPM 3-03 M	409	20	16X4C	2	13.9
SPM 3-04 M	447	20	16X4C	2	15.6
SPM 3-05 M	465	20	16X4C	2	15.9
SPM 3-06 M	501	20	14X4C	2	18.5
SPM 3-07 M	559	20	14X4C	2	21.4

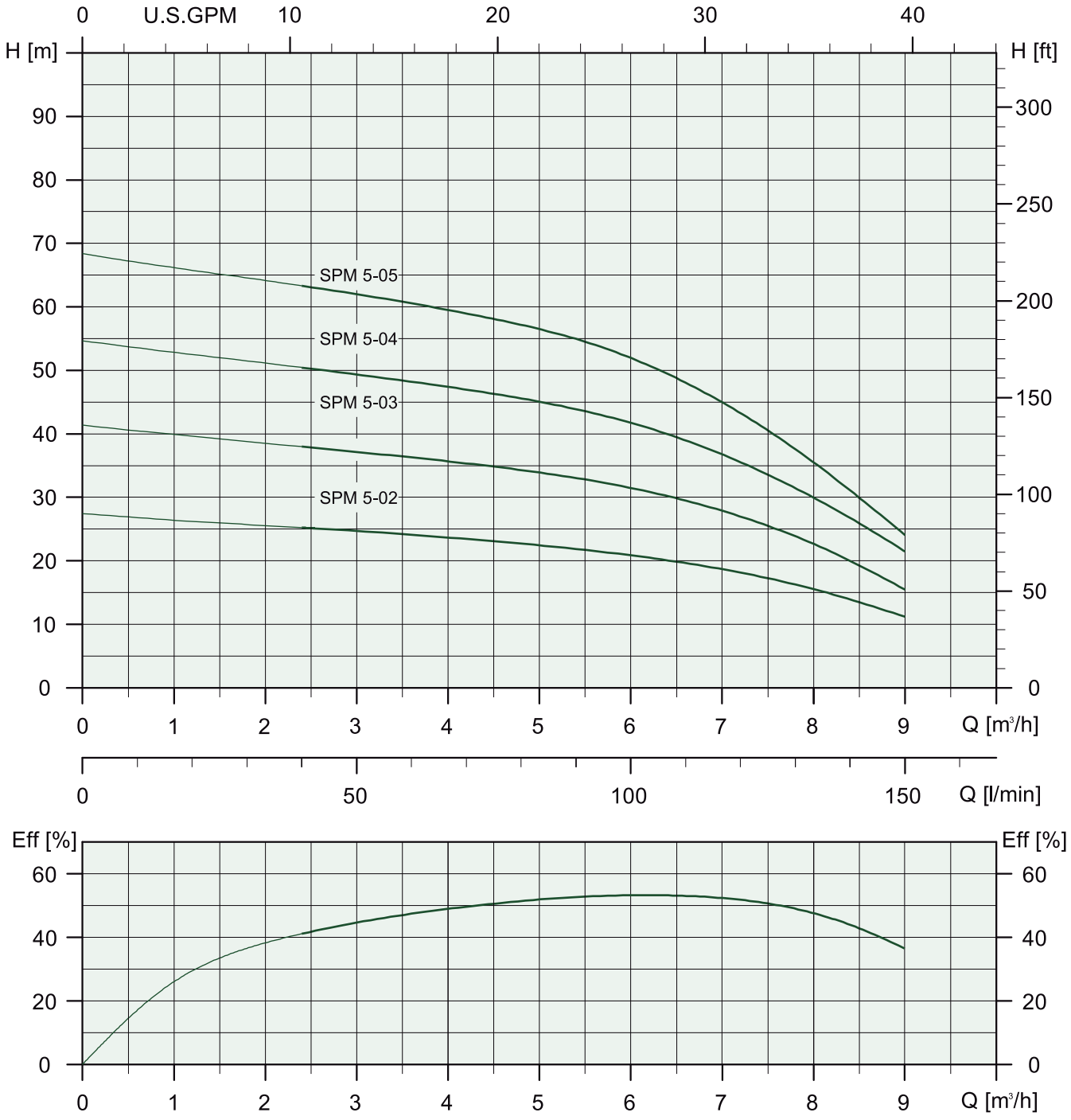
MODEL	H	CABLE SJTW (220-255V) / STOW (380-440V)		SOLID PASSAGE (mm)	NET WEIGHT (kg)
		m	AWG		
Three phase					
SPM 3-03	409	20	16X4C	2	13.1
SPM 3-04	447	20	16X4C	2	14.9
SPM 3-05	465	20	16X4C	2	15.2
SPM 3-06	501	20	16X4C	2	16.8
SPM 3-07	559	20	16X4C	2	19.8



SPM SERIES

TECNICAL DATA

PERFORMANCE CURVE



SPECIFICATIONS

PUMP TYPE			Q = DELIVERY									
1ø		3ø	m³/h	0	2.4	3.0	3.5	4.0	5.0	6.0	7.0	8.0	9.0
220 - 240V		220 - 255V / 380 - 440V	l/min	0	40.0	50.0	58.3	66.7	83.3	100.0	116.7	133.3	150.0
SPM 5-02 MA	SPM 5-02 M	SPM 5-02	H (m)	27	25	25	24	24	22	21	19	16	11
SPM 5-03 MA	SPM 5-03 M	SPM 5-03		41	38	37	36	36	34	31	28	23	15
SPM 5-04 MA	SPM 5-04 M	SPM 5-04		55	50	49	48	47	45	42	37	30	21
SPM 5-05 MA	SPM 5-05 M	SPM 5-05		68	63	62	61	60	56	52	45	36	24

SPM SERIES

60 HZ

TECNICAL DATA

SPECIFICATIONS

MODEL	P1	P2		CAPACITOR		MAX. Amp [A]		HEAD		FLOW	
	kW	HP	kW	μF	V	220 - 240V	380 - 440V	RATED (m)	MAX (m)	RATED (m³/h)	MAX (m³/h)
Single phase auto (With float switch, with control box).											
SPM 5-02 MA	1.21	1.0	0.75	50	250	5.9-5.5	-	21	27	6	9
SPM 5-03 MA	1.58	1.5	1.1	25	450	7.5-8.3	-	31	41	6	9
SPM 5-04 MA	1.96	1.5	1.1	25	450	9.4-9.7	-	42	55	6	9
SPM 5-05 MA	2.33	2.0	1.5	35	450	10.9-10.3	-	52	68	6	9
Single phase manual (With control box).											
SPM 5-02 M	1.21	1.0	0.75	50	250	5.9-5.5	-	21	27	6	9
SPM 5-03 M	1.58	1.5	1.1	25	450	7.5-8.3	-	31	41	6	9
SPM 5-04 M	1.96	1.5	1.1	25	450	9.4-9.7	-	42	55	6	9
SPM 5-05 M	2.33	2.0	1.5	35	450	10.9-10.3	-	52	68	6	9

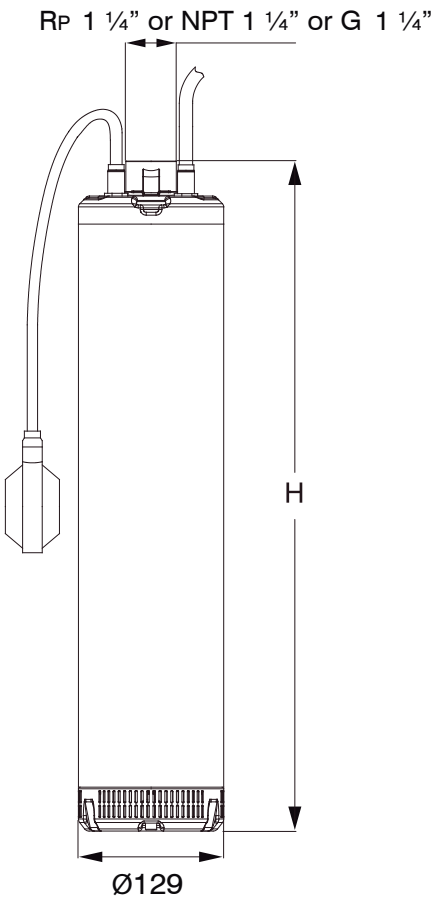
MODEL	kW	HP	kW	μF	V	220 - 255V	380 - 440V	RATED (m)	MAX (m)	RATED (m³/h)	MAX (m³/h)
Three phase											
SPM 5-02	0.99	1.0	0.75	-	-	3.2-3.1	1.9-1.8	21	27	6	9
SPM 5-03	1.38	1.5	1.1	-	-	4.5-4.4	2.6-2.5	31	41	6	9
SPM 5-04	1.79	1.5	1.1	-	-	5.5-5.2	3.3-3.1	42	55	6	9
SPM 5-05	2.17	2.0	1.5	-	-	6.7-6.3	3.9-3.5	52	68	6	9

*Maximun values with operating range.

SPECIFICATIONS

MODEL	H	CABLE SJTW(220-240V)		SOLID PASSAGE (mm)	NET WEIGHT (kg)
		m	AWG		
Single phase auto (With float switch, with control box).					
SPM 5-02 MA	409	20	16X4C	2	15.4
SPM 5-03 MA	447	20	14X4C	2	18.0
SPM 5-04 MA	465	20	14X4C	2	18.3
SPM 5-05 MA	523	20	14X4C	2	21.2
Single phase manual (With control box).					
SPM 5-02 M	409	20	16X4C	2	15.0
SPM 5-03 M	447	20	14X4C	2	17.6
SPM 5-04 M	465	20	14X4C	2	17.9
SPM 5-05 M	523	20	14X4C	2	20.8

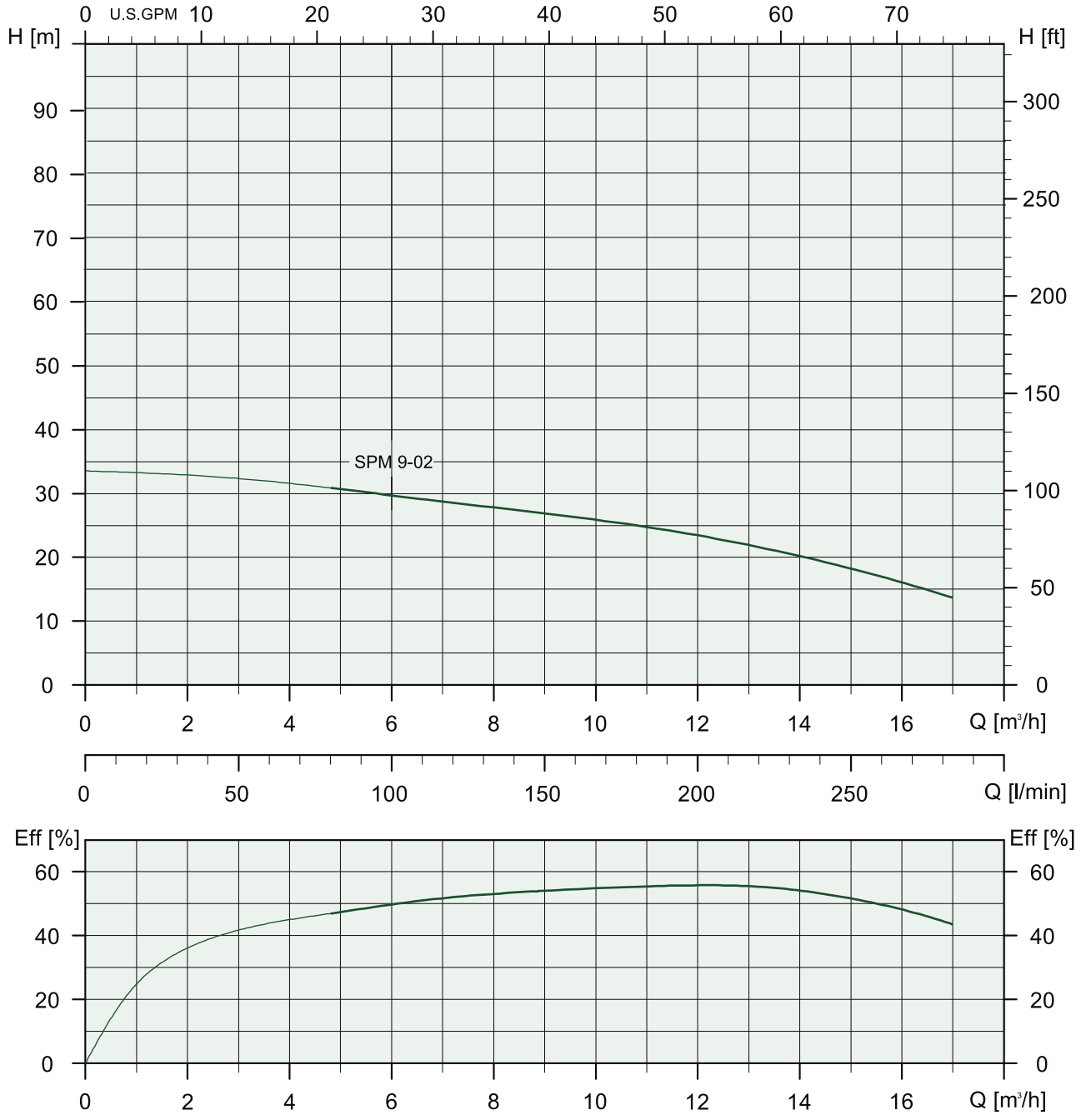
MODEL	H	CABLE SJTW (220-255V) STOW (380-440V)		SOLID PASSAGE (mm)	NET WEIGHT (kg)
		m	AWG		
Three phase					
SPM 5-02	409	20	16X4C	2	14.3
SPM 5-03	447	20	16X4C	2	15.9
SPM 5-04	465	20	16X4C	2	16.2
SPM 5-05	523	20	16X4C	2	19.2



SPM SERIES

TECNICAL DATA

PERFORMANCE CURVE



SPECIFICATIONS

PUMP TYPE				Q = DELIVERY									
1ø		3ø		m³/h	0	4.8	6.0	8.0	10.0	12.0	14.0	15.0	16.0	17.0
220 - 240V		220 - 255V	380 - 440V	l/min	0	80.0	100.0	133.3	166.7	200.0	233.3	250.0	266.7	283.3
SPM 9-02 MA	SPM 9-02 M	SPM 9-02		H (m)	34	31	30	28	26	23	20	18	16	14

SPM SERIES

60 HZ

TECNICAL DATA

SPECIFICATIONS

MODEL	P1	P2		CAPACITOR		MAX. Amp [A]		HEAD		FLOW	
	kW	HP	kW	μF	V	220 - 240V	380 - 440V	RATED (m)	MAX (m)	RATED (m^3/h)	MAX (m^3/h)
Single phase auto (With float switch, with control box).											
SPM 9-02 MA	2.05	2.0	1.5	35	450	9.6-9.0	-	23	34	12	17
Single phase manual (With control box).											
SPM 9-02 M	2.05	2.0	1.5	35	450	9.6-9.0	-	23	34	12	17

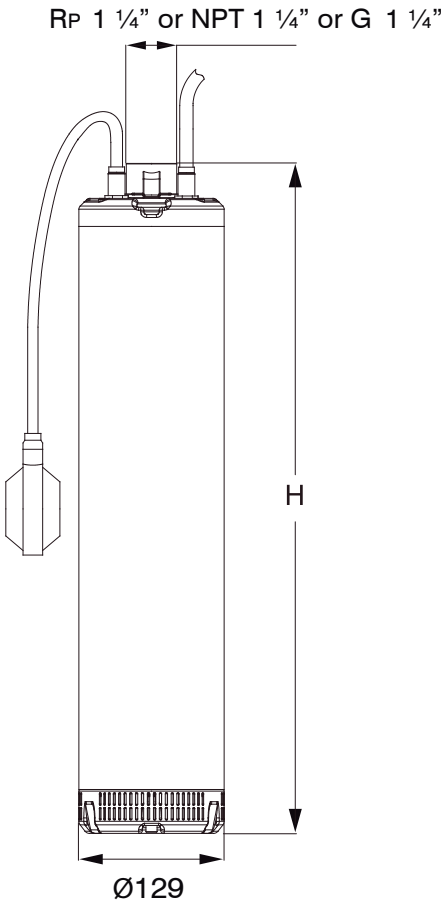
MODEL	kW	HP	kW	μF	V	220 - 255V	380 - 440V	RATED (m)	MAX (m)	RATED (m^3/h)	MAX (m^3/h)
Three phase											
SPM 9-02	1.84	2.0	1.5	-	-	5.8-5.5	3.4-3.1	23	34	12	17

*Maximun values with operating range.

SPECIFICATIONS

MODEL	H	CABLE SJTW(220-240V)		SOLID PASSAGE (mm)	NET WEIGHT (kg)
		m	AWG		
Single phase auto (With float switch, with control box).					
SPM 9-02 MA	488	20	14X4C	2	20.5
Single phase manual (With control box).					
SPM 9-02 M	488	20	14X4C	2	20.1

MODEL	H	CABLE SJTW (220-255V) STOW (380-440V)		SOLID PASSAGE (mm)	NET WEIGHT (kg)
		m	AWG		
Three phase					
SPM 9-02	488	20	16X4C	2	18.5



SPERONI®
WATER PUMPS

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