

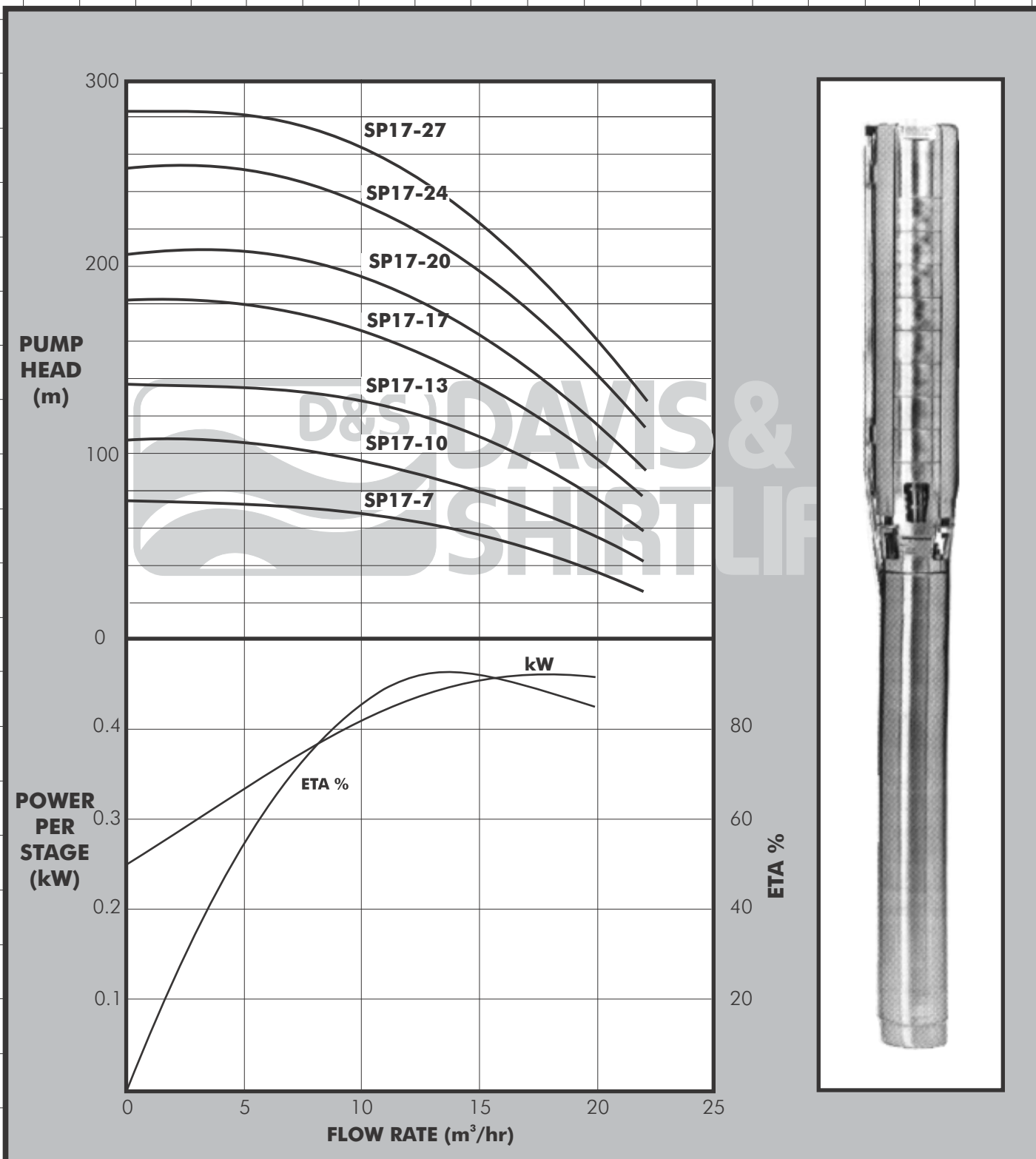
GRUNDFOS®



DATA SHEET

Multistage Centrifugal
Borehole Pumps

SP 17



PUMP

GRUNDFOS SP submersible pumps are designed specifically for borehole supply applications. They are of multistage centrifugal impeller design and all parts are made from stainless steel with water lubricated rubber bearings. A submersible motor is fitted beneath the pump and suction is effected through a strainer between the pump and motor.

Standard pumps are designed for the pumping of non-aggressive water. 'N and R' versions are available for applications requiring a higher degree of corrosion resistance.

All SP pumps carry a drinking water approval and meet European Minimum Efficiency Index guidelines

MOTOR

The pump is coupled to a sealed, liquid cooled 2-pole asynchronous GRUNDFOS motor constructed of stainless steel with ceramic bearings. All 6" motors are fitted with a built-in sensor which monitors running temperatures. When fitted with the patented GRUNDFOS MP 204 control unit protection is provided against dry running, mechanical motor defects, excessive motor running temperature and irregular power supply. The fitting of a MP 204 unit is recommended for motor control and monitoring and also extended motor life.

Note that irrespective of the fitting of a MP 204 control unit a remote starter is required. Due to the low starting torques of submersible motors it is recommended that Direct-on-Line starters are used for all motor sizes up to 22kW.

Enclosure Class : IP58

Insulation Class: 4" motors - B
6" motors - F

Voltage: 3x415V

Speed: 2900rpm

OPERATING CONDITION

Pumped Liquid: Thin, clean chemically non-aggressive liquids without solid particles or fibres.

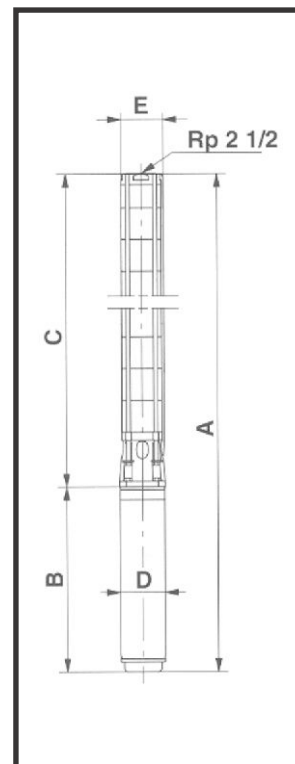
Max. Liquid Temperature: +40°C

Max. Water Depth: 600 m

Min. Borehole Diameter: 152 mm(MS 6000), 110m (MS4000)

ELECTRICAL DATA

Model	Motor		Full Load Current (A)	I start I
	kW	HP		
SP 17-7	4	5.5	9.7	5.0
SP 17-10	5.5	7.5	13.7	5.5
SP 17-13	7.5	10	17.6	4.9
SP 17-17	9.2	12.5	20.2	4.8
SP 17-20	11	15	24.8	4.7
SP 17-24	13	17.5	29	4.6
SP 17-27	15	20	34.0	5.0



DIMENSIONS AND WEIGHT

Model	Motor	Dimensions (mm)					Weight (kg)
		A	B	C	D	E*	
SP 17-7	MS 4000	1251	574	677	95	131	33
SP 17-10	MS 4000	1631	773	858	95	131	41
SP 17-13	MS 6000	1630	574	1056	138	142	57
SP 17-17	MS 6000	1888	590	1298	138	142	67
SP 17-20	MS 6000	2113	634	1479	138	142	74
SP 17-24	MS 6000	2429	708	1721	138	142	82
SP 17-27	MS 6000	2602	699	1903	138	142	89

E*=Maximum diameter of the pump inclusive of cable guard and motor

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KENYA Nairobi - Head Office Tel: (254 20) 6968000 headoffice@dayliff.com Nairobi - Westlands Tel: (254 20) 44460116 westlands@dayliff.com Nairobi - Downtown Tel: (254 715 439 392 downtown@dayliff.com Eastleigh Tel: (254 711 079 845 eastleigh@dayliff.com Uthawa Tel: (254 780 575745 uthawa@dayliff.com Nairobi - Karen Tel: (254 20) 3883513 karen@dayliff.com Ongata Rongai Tel: (254 20) 2400146 ongatarongai@dayliff.com Kiambu Tel: (254 701 640 309 kiambu@dayliff.com	Thika Tel: (254 67) 2220084 thika@dayliff.com Kikenge Tel: (254 45) 3123094 kikenge@dayliff.com Machakos Tel: (254 44) 2021668 machakos@dayliff.com Kitui Tel: (254 44) 2021668 kitui@dayliff.com Embu Tel: (254 701 683 289 embu@dayliff.com Meru Tel: (254 64) 3131033 meru@dayliff.com Nanyuki Tel: (254 62) 2030018 nanyuki@dayliff.com Garissa Tel: (254 50) 2030510 garissa@dayliff.com Naivasha Tel: (254 50) 2030510 naivasha@dayliff.com	Lodwar Tel: (254 724) 248692 lodwar@dayliff.com Eldoret Tel: (254 53) 2061306 eldoret@dayliff.com Nakuru Tel: (254 51) 2213248 nakuru@dayliff.com Narok Tel: (254 701 683 289 narok@dayliff.com Kakamega Tel: (254 58) 2031889 kakamega@dayliff.com Bungoma Tel: (254 740 048 514 bungoma@dayliff.com Kisumu Tel: (254 57) 2024763 kisumu@dayliff.com Kisii Tel: (254 58) 2030949 kisii@dayliff.com	KENYA COAST Mombasa - Main Office Tel: (254 20) 2040432 mombasa@dayliff.com Mombasa - Downtown Tel: (254 780 567 379 mombasadowntown@dayliff.com Malindi Tel: (254 42) 2120425 malindi@dayliff.com Diani Tel: (254 40) 3202181 diani@dayliff.com Lamu Tel: (254 20) 2651052/56 lamu@dayliff.com Nyali Tel: (254 20) 2443357 nyali@dayliff.com Voi Tel: (254 20) 2028284 voi@dayliff.com Mtwapa Tel: (254) 798 478 113 mtwapa@dayliff.com	UGANDA Kampala - Main Office Tel: (256 414) 3463378 kampala@dayliff.com Kampala - Nakasero Tel: (256 392) 734633 nakasero@dayliff.com Kampala - Shauri Moyo Tel: (256 414) 660 770 shaurimoyo@dayliff.com Gulu Tel: (256 471) 433041 gulu@dayliff.com Mbarara Tel: (256 753) 940 080 mbarara@dayliff.com Jinja Tel: (256 392) 001596 jinja@dayliff.com SOUTH SUDAN Juba Tel: (211 958) 397 070 juba@dayliff.com	TANZANIA Dar es Salaam - Main Office Tel: (255 22) 2112515/6 darsssalaam@dayliff.com Dar es Salaam - Kariakoo Tel: 2184867 kariakoo@dayliff.com Arusha Tel: (255 27) 2547317/8 arusha@dayliff.com Zanzibar Tel: (255 24) 2224660/1 zanzibar@dayliff.com Mwanza Tel: (255 28) 2541971/2 dksmwanza@dayliff.com Dodoma Tel: (255) 753 506 505 dodoma@dayliff.com	ZAMBIA Lusaka - Main Office Tel: (260 21) 288010/1 lusaka@dayliff.com Lusaka - ChaChaCha Tel: (260 211) 842350 Ndola Tel: (260 212) 610936/7 ndola@dayliff.com Kitwe Tel: (260 212) 221747/67 kitwe@dayliff.com Livingstone Tel: (260 213) 320002/234 livingstone@dayliff.com Solwezi Tel: (260 218) 821822 solwezi@dayliff.com	RWANDA Kigali Tel: (250) 252 504039 kigali@dayliff.com.rw Rubavu Tel: (243) 814 9111999 rubavu@dayliff.com ETHIOPIA (Associate) Addis Ababa Tel: (251 11) 8159341/64 ethiopia@dayliff.com DRC Lubumbashi Tel: (243) 978 115412/ 852 758553 drc@dayliff.com
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