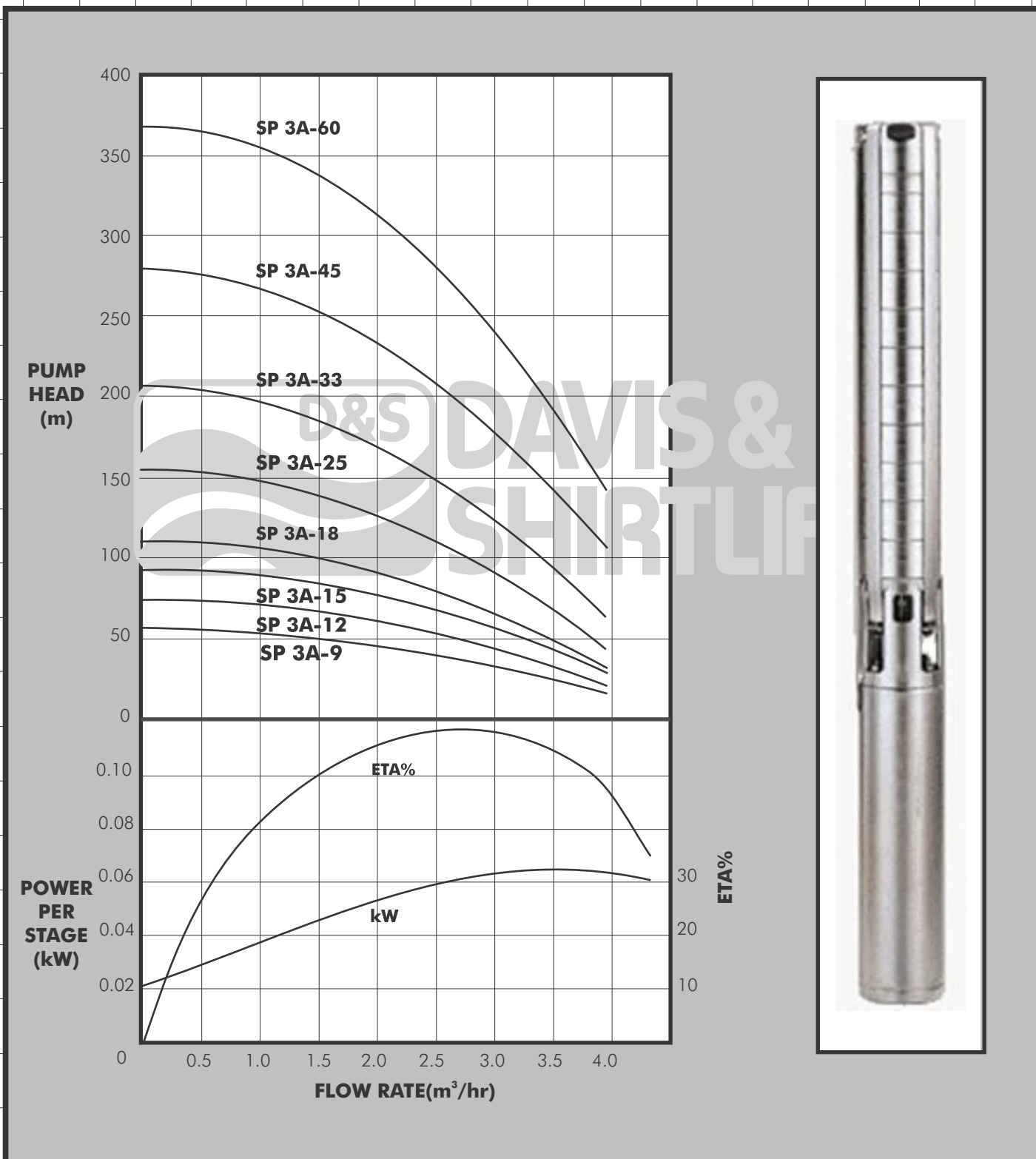




DATA SHEET

Multistage Centrifugal Borehole Pumps

SP 3A



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. An 'N' version is available for applications requiring a higher degree of corrosion resistance.

MOTOR

The pump is coupled to a sealed, liquid cooled 2-pole asynchronous squirrel-cage GRUNDFOS motor constructed of stainless steel. Single phase motors are supplied complete with purpose designed control boxes, while three phase motors require a remote Direct-on-Line starter. If unstable supply voltage is likely an additional quick tripping control relay is recommended.

Enclosure Class: IP58

Insulation Class: B

Speed: 2900 rpm

OPERATING CONDITIONS

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

Max Liquid Temperature: +40°C

Max Water Depth: Up to 1.5 kW 1 ph and 2.2 kW 3 ph - 150 m
2.2 kW 1 ph and 3 & 4 kW 3 ph - 600 m

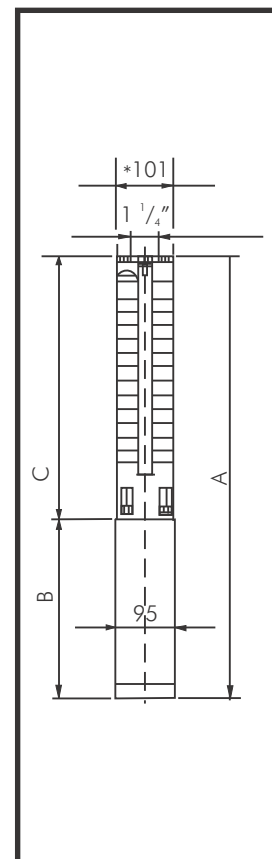
Minimum Borehole Diameter: 110mm

ELECTRICAL DATA

Pump Type	Motor		Full Load Current (A)		Start Current (A)	
	kW	HP	1x240 V	3x415 V	1x240 V	3x415 V
SP 3A-9	0.55	0.75	5.5		19	
SP 3A-12	0.75	1.0	7.0		26	
SP 3A-15	1.1	1.5	7.1	3.7	31	16
SP 3A-18	1.1	1.5	7.1	3.7	31	16
SP 3A-25	1.5	2.0	9.8	4.4	38	21
SP 3A-33	2.2	3.0	14.0	5.7	62	26
SP 3A-45	3.0	4.0		7.9		35
SP 3A-60	4.0	5.5		9.6		46

DIMENSIONS AND WEIGHTS

Pump Type	Dimensions (mm)					Weight (kg)	
	A		B		C	1x240 V	3x415 V
	1x240 V	3x415 V	1x240 V	3x415 V			
SP 3A-9	291		635		344	12	
SP 3A-12	306	276	713		407	13	
SP 3A-15	346	306	816	776	470	16	14
SP 3A-18	346	306	879	839	533	16	15
SP 3A-25	346	346	1026	1026	680	18	18
SP 3A-33	573	346	1421	1194	848	30	21
SP 3A-45		493		1638	1145		34
SP 3A-60		573		2033	1460		43



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

© Davis & Shirliff 2018. Contents herein are not warranted. The right is reserved to amend specifications without notice.

GR05F-10/12

KENYA Nairobi - Head Office Tel: (254 20) 698000 headoffice@dayliff.com Nairobi - Westlands Tel: (254 20) 4466116 westlands@dayliff.com Nairobi - Downtown Tel: (254 715 439 392 downtown@dayliff.com Eastleigh Tel: (254 711 079 845 eastleigh@dayliff.com Uthmanya Tel: (254 780 575745 uthmanya@dayliff.com Nairobi - Karen Tel: (254 20) 3983513 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 Kikengele Tel: (254 45) 3123094 kikengele@dayliff.com Machakos Tel: (254 44) 2021668 machakos@dayliff.com Kitui Tel: (254 701 683 289 kitui@dayliff.com Embu Tel: (254 780 455 512 embu@dayliff.com Meru Tel: (254 780 575745 meru@dayliff.com Nanyuki Tel: (254 62) 2030018 nanyuki@dayliff.com Garissa Tel: (254 46) 2102620 garissa@dayliff.com Malvaasha Tel: (254 50) 2005010 malvaasha@dayliff.com	Lodwar Tel: (254 724) 248602 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: (254 740 048 514 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) 265105256 lamu@dayliff.com Nyali Tel: (254 20) 2443357 nyali@dayliff.com Voi Tel: (254 20) 2022844 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) 001586 jinja@dayliff.com SOUTH SUDAN Juba Tel: (21) 958 197 070 juba@dayliff.com	TANZANIA Dar es Salaam - Main Office Tel: (255 22) 21125156 darsssalaam@dayliff.com Dar es Salaam - Kariakoo Tel: 2164667 kariakoo@dayliff.com Arusha Tel: (255 27) 25473178 arusha@dayliff.com Zanzibar Tel: (255 24) 22466011 zanzibar@dayliff.com Mwanza Tel: (255 28) 25419712 dskmwanza@dayliff.com Dodoma Tel: (255) 753 506 505 dodoma@dayliff.com	ZAMBIA Lusaka - Main Office Tel: (260 211) 2880101 lusaka@dayliff.com Lusaka - ChaChaCha Tel: (260 211) 842350 Ndola Tel: (260 212) 6109367 ndola@dayliff.com Kitwe Tel: (260 212) 22174767 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 911999 rubavu@dayliff.com ETHIOPIA (Associate) Addis Ababa Tel: (251 11) 815934164 ethiopia@dayliff.com DRC Lubumbashi Tel: (243) 978 115412/ 852 758553 drc@dayliff.com
--	---	--	--	---	--	---	--