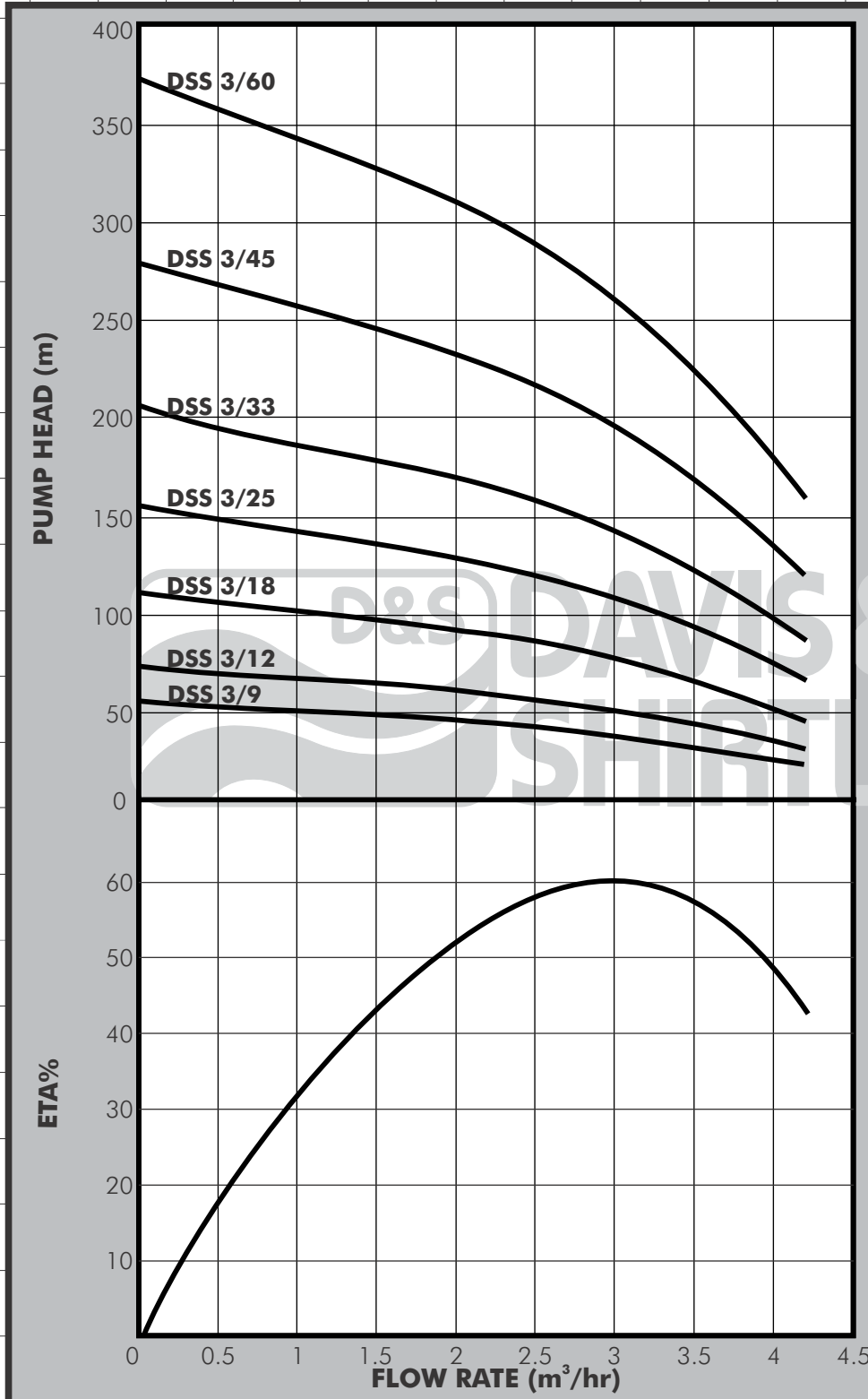




DATA SHEET

Multistage Centrifugal Borehole Pumps

DSS3



PUMP

DAYLIFF DSS 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.

MOTOR

The pump is coupled to a sealed liquid cooled 2-pole asynchronous squirrel-cage motor constructed of stainless steel. Single phase motors should be supplied with purpose designed Dayliff SCM control boxes for operation and protection against overload, dry running and over/under voltage. Three phase motors require a remote DOL starter; A DAYLIFF SCT electronic Pump Controller is recommended for comprehensive pump control including low level, motor overload and irregular power supply protection.

Enclosure Class: IP68

Insulation Class: F

Speed: 2900 rpm

OPERATING CONDITIONS

Pumped Liquid: Thin, clean, chemically non-aggressive liquids with a maximum sand content of 0.25%

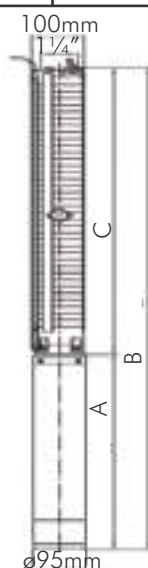
Max Liquid Temperature: +50°C

Max Water Depth: 200m

Minimum Borehole Diameter: 110mm

ELECTRICAL DATA & DIMENSIONS

Model	Motor		Full Load Current(A)		Start Current (A)		Dimensions (mm)				C	Weight (kg)
	kW	HP	1X240V	3X415V	1X240V	3X415V	A		B			
DSS 3/9	0.55	0.75	4.7	-	19	-	329	-	673	-	344	11
DSS 3/12	0.75	1	6.2	-	25	-	359	-	766	-	407	13
DSS 3/18	1.1	1.5	8	-	32	-	399	-	932	-	533	16
DSS 3/25	1.5	2	11.5	-	46	-	449	-	1129	-	680	20
DSS 3/33	2.2	3	15.5	6	62	42	542	514	1390	1362	848	26
DSS 3/45	3	4	-	8	-	56	-	594	-	1694	1100	31
DSS 3/60	4	5.5	-	10	-	70	-	698	-	2113	1415	38



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KENYA Nairobi - Head Office Tel: (254 20) 696000 h.e.o.office@dayliff.com Nairobi - Westlands Tel: (254 20) 44461118 westlands@dayliff.com Nairobi - Downtown Tel: (254) 715 439 392 downtown@dayliff.com Eastleigh Tel: (254) 711 079 645 eastleigh@dayliff.com Utawala Tel: (254) 780 575745 utawala@dayliff.com Nairobi - Karen Tel: (254 20) 3883513 karen@dayliff.com Ongata Rongai Tel: (254 20) 2400146 ongatarongai@dayliff.com Kiambu Tel: (254) 701 646 309 kiambu@dayliff.com	Thika Tel: (254 67) 2220084 thika@dayliff.com Kiunga Tel: (254 45) 3123094 kiunga@dayliff.com Machakos Tel: (254 44) 2021668 machakos@dayliff.com Kisumu Tel: (254) 701 683 289 kisumu@dayliff.com Embu Tel: (254) 780 455 512 embu@dayliff.com Meru Tel: (254 64) 3131033 meru@dayliff.com Nanyuki Tel: (254 42) 2030018 nanyuki@dayliff.com Garissa Tel: (254 46) 2102620 garissa@dayliff.com Nairobi Tel: (254 20) 2030510 nairobi@dayliff.com	Lodwar Tel: (254 724) 248892 lodwar@dayliff.com Eldoret Tel: (254 53) 2081306 eldoret@dayliff.com Nakuru Tel: (254 51) 2213248 nakuru@dayliff.com Narok Tel: (254) 701 683 289 narok@dayliff.com Kakamega Tel: (254 56) 2031889 kakamega@dayliff.com Bungoma Tel: (254 64) 3131033 bungoma@dayliff.com Kisumu Tel: (254 51) 2024763 kisumu@dayliff.com Kisii Tel: (254 58) 2030949 kisii@dayliff.com	KENYA COAST Mombasa - Main Office Tel: (254 20) 2040422 mombasa@dayliff.com Mombasa - Downtown Tel: (254) 788 967 379 mombasadowntown@dayliff.com Malindi Tel: (254 42) 2120425 malindi@dayliff.com Diani Tel: (254 40) 3202181 diano@dayliff.com Lamu Tel: (254 20) 205105256 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) 669 770 shauri@dayliff.com Gulu Tel: (256 471) 433041 gulu@dayliff.com Mbarara Tel: (256 753) 840 080 mbarara@dayliff.com Jinja Tel: (256 392) 601556 jinja@dayliff.com SOUTH SUDAN Juba Tel: (211 936) 397 070 juba@dayliff.com	TANZANIA Dar es Salaam - Main Office Tel: (255 22) 21251516 darsalasam@dayliff.com Dar es Salaam - Kariakoo Tel: 2184867 kariakoo@dayliff.com Arusha Tel: (255 27) 25473178 arusha@dayliff.com Zanzibar Tel: (255 24) 22346601 zanzibar@dayliff.com Mwanza Tel: (255 28) 25419712 mwanza@dayliff.com Dodoma Tel: (255) 753 506 503 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) 320002234 livingstone@dayliff.com Sehwezi Tel: (260 218) 821822 sehwezi@dayliff.com	RWANDA Kigali Tel: (250) 252 504039 kigali@dayliff.co.rw Rubavu Tel: (243) 814 911999 rubavu@dayliff.com ETHIOPIA (Associate) Addis Ababa Tel: (251 11) 915934144 ethiopia@dayliff.com DRC Lubumbashi Tel: (243) 978 115412/ 852 758553 drc@dayliff.com
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