



SHO Series

End suction, centrifugal pumps, with open and recessed impeller. They are ideal for various civil and industrial clean water applications. They are made of pressed AISI 316 stainless steel (pump body) and of precision cast stainless steel (impeller), minimising contamination and extending the life of the pump.

1

SPECIFICATIONS

Delivery: up to 56 m³/h.

Head: up to 50 m

Power supply: three-phase and single-phase 50 and 60 Hz

Power: 0.37 kW to 11 kW

Maximum operating pressure: 12 bar

Temperature of pumped liquid: -10°C to +120°C

Insulation class: F

Protection: IP55

Open impeller pumps solids up to: From 20 to 40mm depending on the models.

APPLICATIONS

- Industrial washing machines and washing of mechanical parts
- Washing machine emptying
- Commercial dishwashers
- Vacuum steamers
- Dyeing plants and textile industry
- Painting plants
- Washing system for the food industry
- Plants for the circulation and transfer of moderately viscous liquids, with light chemical aggressiveness
- Freshwater fish farming

MATERIALS

Pump body:

Stainless steel

Impeller:

Stainless steel

Seal housing:

Stainless steel

Mechanical seal:

Pump side: Silicon Carbide/Silicon Carbide/FPM (standard version); Drive side: Ceramic/carbon/FPM

Fill and drain plugs:

Stainless steel

Elastomers: FPM (standard version)



For a complete list of technical information, consult www.lowara.com

Engineered for life



General Catalogue

LIST OF MODELS SHO SERIES 50 Hz 2 POLES

SIZE	kW	VERSIONS		
		SHOE	SHOS	SHOD
25-125/11	1,1	•	•	•
25-125/15	1,5	•	•	•
25-125/22	2,2	•	•	•
25-160/30	3	•	•	•
25-160/40	4	•	•	•
25-160/55	5,5	•	•	•
25-200/30	3	•	•	•
25-200/40	4	•	•	•
25-200/55	5,5	•	•	•
32-125/11	1,1	•	•	•
32-125/15	1,5	•	•	•
32-125/22	2,2	•	•	•
32-160/30	3	•	•	•
32-160/40	4	•	•	•
32-160/55	5,5	•	•	•
32-200/30	3	•	•	•
32-200/40	4	•	•	•
32-200/55	5,5	•	•	•
40-125/15	1,5	•	•	•
40-125/22	2,2	•	•	•
40-125/30	3	•	•	•
40-160/40	4	•	•	•
40-160/55	5,5	•	•	•
40-160/75	7,5	•	•	•
50-125/55	5,5	•	•	•
50-125/75	7,5	•	•	•
50-160/92	9,2	•	-	-
50-160/110A	11	-	•	•
50-160/110	11	•	•	•

• = Available

sho_2p50-en_a_tem



General Catalogue

SHOE - SHOS SHOD SERIES TABLE OF HYDRAULIC PERFORMANCES AT 50 Hz, 2 POLES

1

PUMP TYPE	RATED POWER		Q = DELIVERY																	Passes solids up to (mm)	
	kW	HP	0	150	200	250	300	333	350	367	383	400	500	550	567	600	667	800	950		
			m ³ /h	9	12	15	18	20	21	22	23	24	30	33	34	36	40	48	57	H = TOTAL HEAD METRES COLUMN OF WATER	
SHO.. 25-125/11	1,1	1,5	14,1	12,9	11,9	10,6	9,1	8,0												22	
SHO.. 25-125/15	1,5	2	17,6	16,6	15,7	14,6	13,4	12,4	11,9	11,4										22	
SHO.. 25-125/22	2,2	3	22,4	21,5	20,8	19,8	18,6	17,7	17,2	16,8	16,3	15,7								22	
SHO.. 25-160/30	3	4	29,3	28,3	27,4	26,2	24,9	23,9	23,4	22,9										22	
SHO.. 25-160/40	4	5,5	36,7	36,2	35,5	34,4	33,2	32,2	31,7	31,2	30,6									22	
SHO.. 25-160/55	5,5	7,5	44,8	44,7	44,2	43,5	42,4	41,6	41,1	40,6	40,1	39,5								22	
SHO.. 25-200/30	3	4	32,6	31,4	30,4	29,2	27,6	26,5												20	
SHO.. 25-200/40	4	5,5	40,7	40,0	39,2	38,1	36,8	35,8	35,2											20	
SHO.. 25-200/55	5,5	7,5	49,3	48,9	48,2	47,2	45,9	45,0	44,6	44,1										20	
SHO.. 32-125/11	1,1	1,5	14,0	13,2	12,4	11,5	10,4	9,6												22	
SHO.. 32-125/15	1,5	2	17,6	16,7	16,1	15,4	14,4	13,7	13,4	13,0										22	
SHO.. 32-125/22	2,2	3	22,7	21,9	21,4	20,7	19,9	19,3	19,0	18,7	18,4	18,1								22	
SHO.. 32-160/30	3	4	29,3	28,6	27,9	27,1	26,1	25,4	25,0	24,6										22	
SHO.. 32-160/40	4	5,5	36,8	36,4	36,0	35,3	34,4	33,7	33,3	32,9	32,5									22	
SHO.. 32-160/55	5,5	7,5	44,7	44,7	44,5	44,0	43,4	42,9	42,6	42,2	41,9	41,5								22	
SHO.. 32-200/30	3	4	32,6	31,4	30,6	29,5	28,1	27,0												20	
SHO.. 32-200/40	4	5,5	40,9	40,3	39,5	38,6	37,4	36,5	36,1											20	
SHO.. 32-200/55	5,5	7,5	49,5	49,0	48,4	47,6	46,6	45,8	45,4	45,0										20	
SHO.. 40-125/15	1,5	2	14,0		13,5	13,1	12,5	12,1	11,9	11,7	11,4	11,2								30	
SHO.. 40-125/22	2,2	3	18,6		17,8	17,3	16,8	16,4	16,2	16,0	15,9	15,7	14,3							30	
SHO.. 40-125/30	3	4	20,9		19,9	19,5	19,0	18,7	18,5	18,3	18,1	17,9	16,6	15,9						30	
SHO.. 40-160/40	4	5,5	31,3		30,7	30,2	29,5	29,1	28,8	28,6	28,3	28,1	26,6							30	
SHO.. 40-160/55	5,5	7,5	38,7		38,3	37,9	37,4	36,9	36,7	36,4	36,1	35,9	34,1	33,2	33,0					30	
SHO.. 40-160/75	7,5	10	42,9		42,8	42,4	42,0	41,6	41,4	41,2	41,0	40,8	39,3	38,5	38,2	37,6				30	
SHO.. 50-125/55	5,5	7,5	29,7				29,3	29,1	29,0	28,9	28,8	28,7	28,0	27,6	27,5	27,2	26,7			40	
SHO.. 50-125/75	7,5	10	32,0				31,7	31,6	31,5	31,4	31,3	31,2	30,5	30,1	30,0	29,7	29,2	28,2		40	
SHO.. 50-160/92	9,2	12,5	41,9										40,4	39,3	38,8	38,6	38,3	37,7	36,6	30	
SHO.. 50-160/110	11	15	45,1										43,2	42,2	41,6	41,5	41,1	40,5	39,4	38,4	30

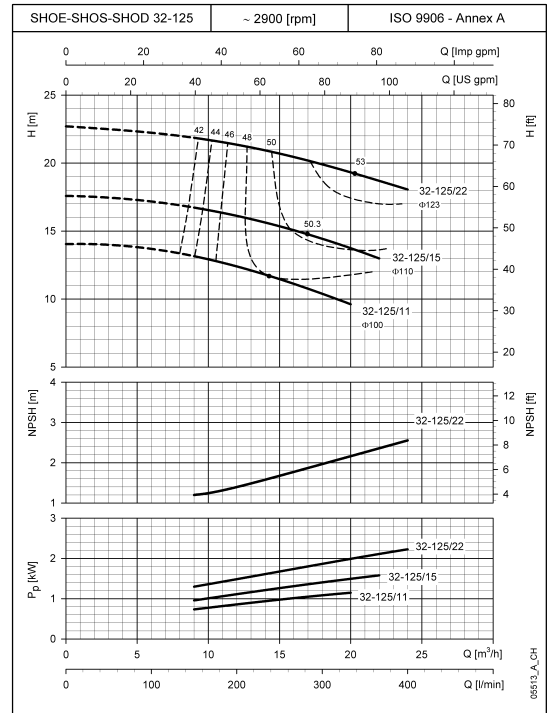
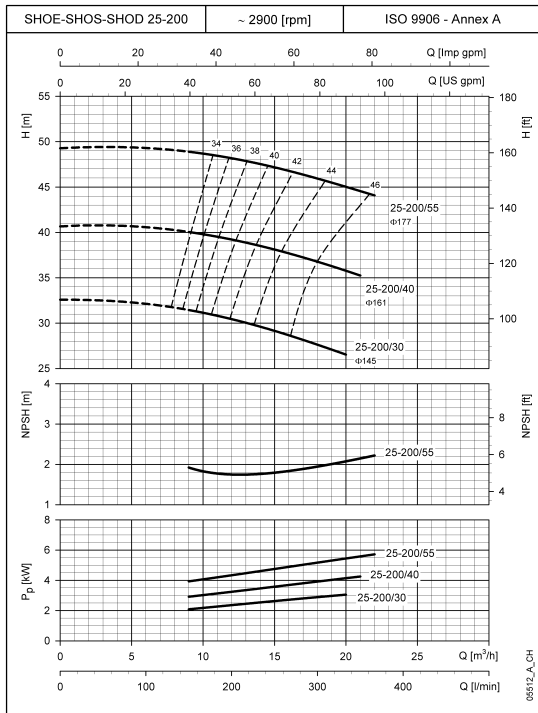
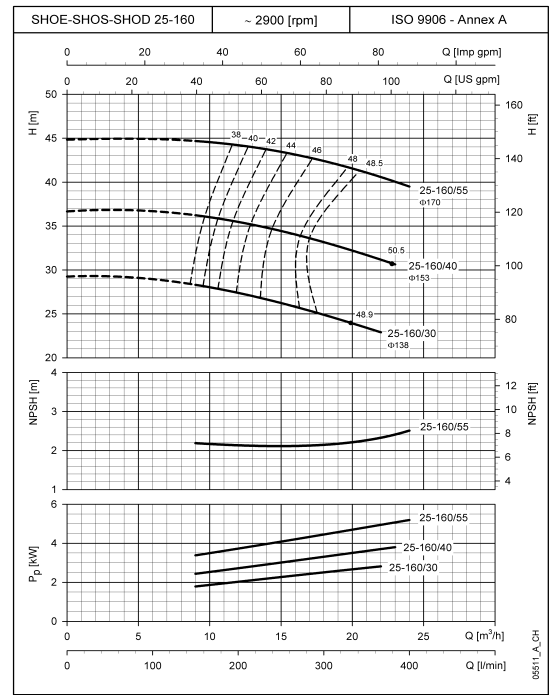
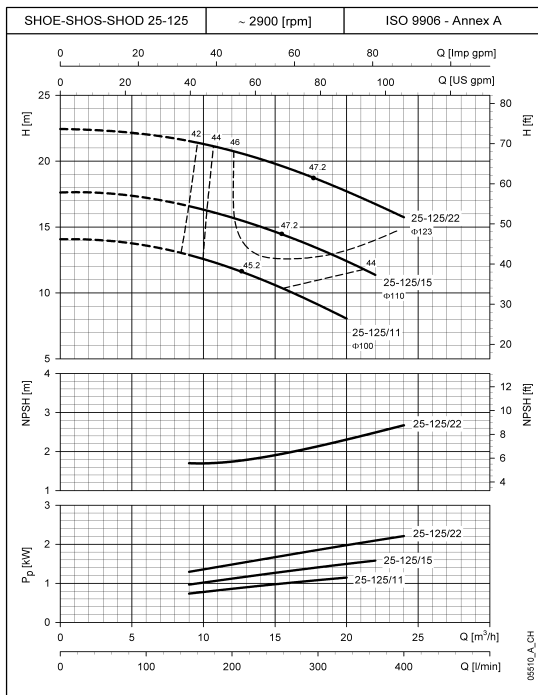
Performances according to ISO standards 9906 - Annex A.

sho_2p50-en_c_th



SHOE - SHOS - SHOD SERIES OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

1



These performances are valid for liquids with density $\rho = 1.0 \text{ kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$.

Engineered for life



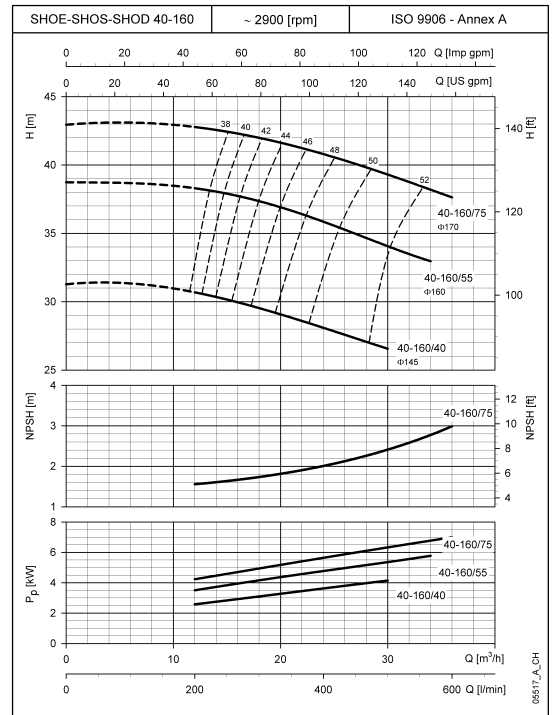
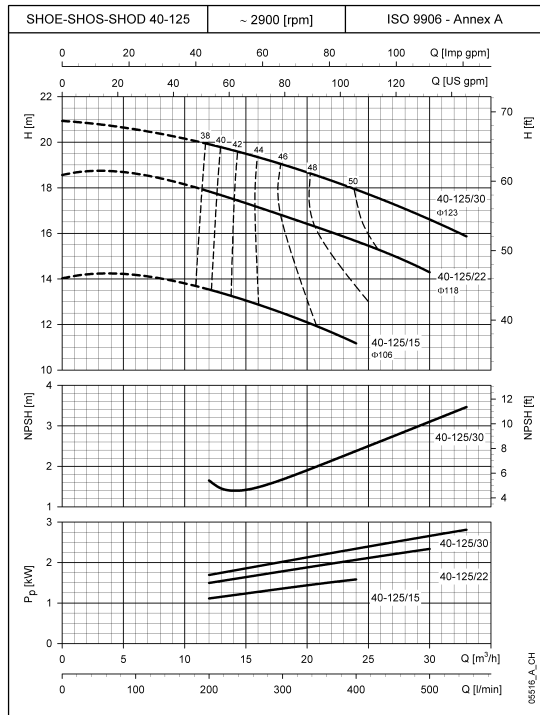
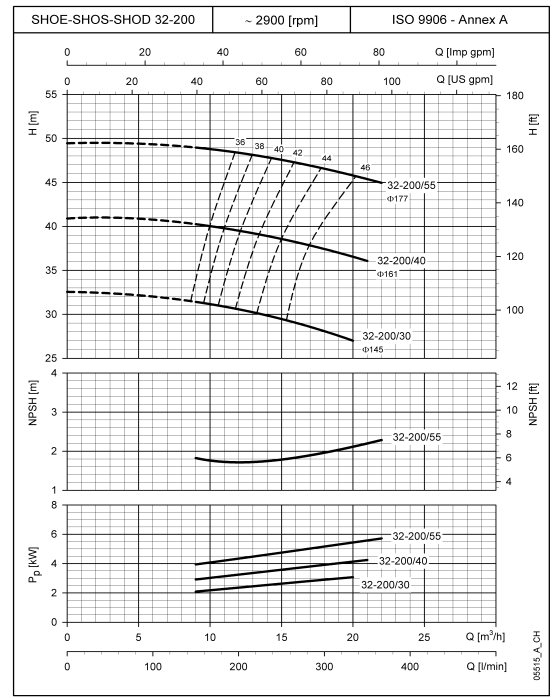
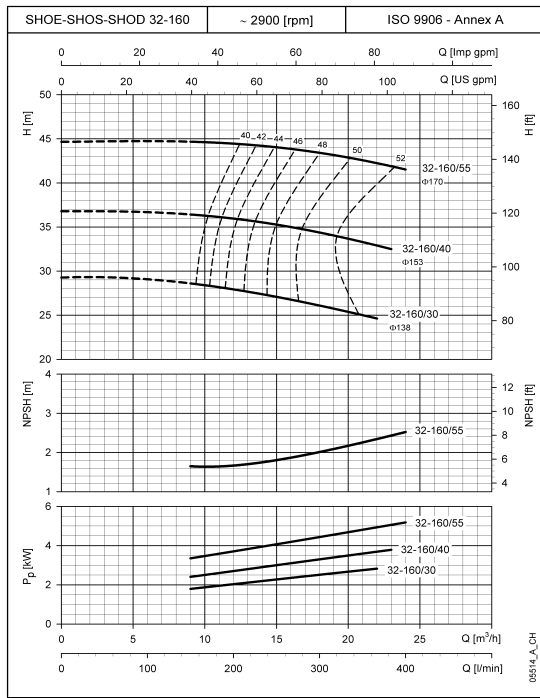
ITT

Lowara

General Catalogue

SHOE - SHOS - SHOD SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

1



These performances are valid for liquids with density $\rho = 1.0 \text{ kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$.

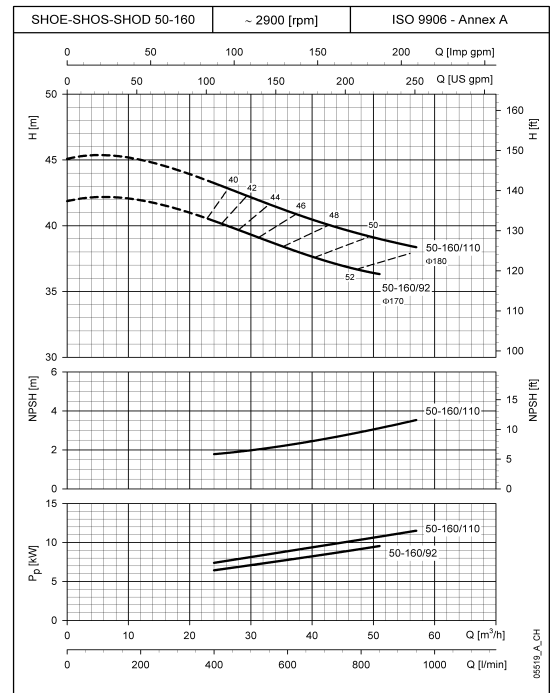
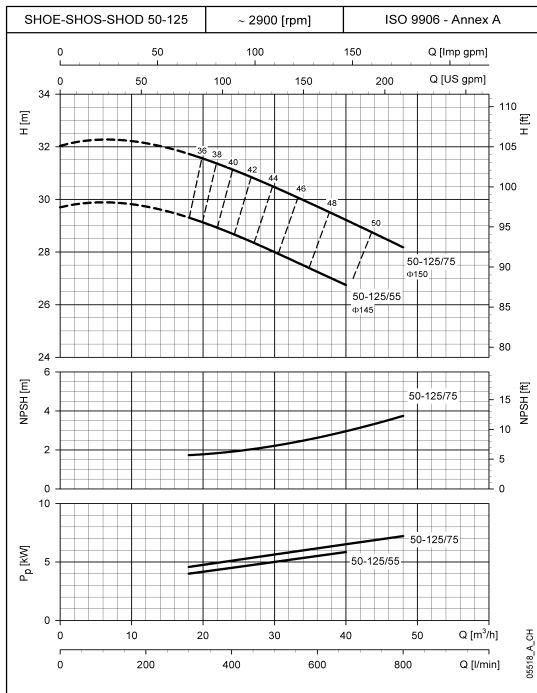
Engineered for life



SHOE - SHOS - SHOD SERIES

OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

1



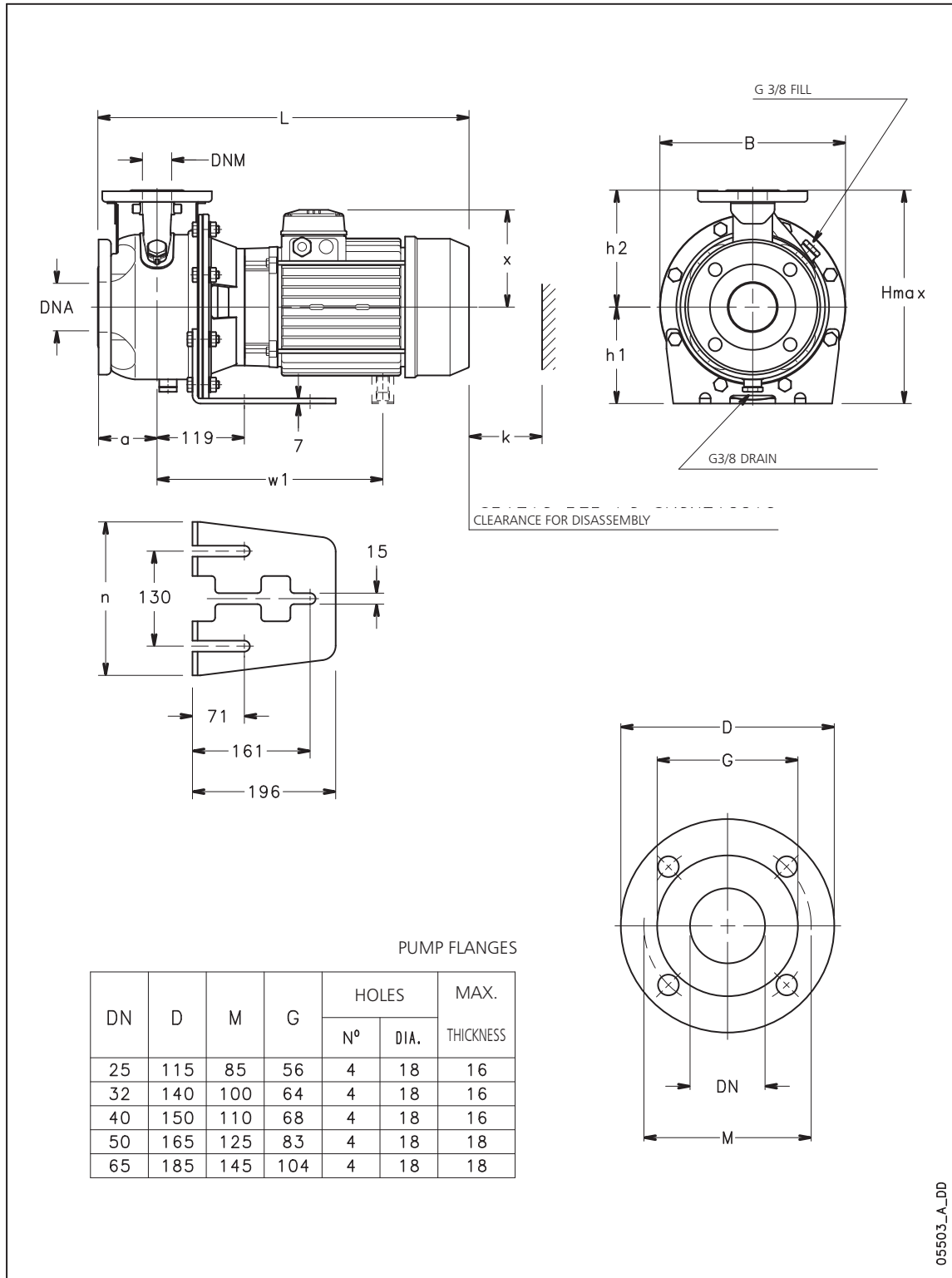
These performances are valid for liquids with density $\rho = 1.0 \text{ kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$.

Engineered for life



SHOE SERIES DIMENSIONS AND WEIGHTS

1





SHOE SERIES DIMENSIONS AND WEIGHTS

PUMP TYPE	DIMENSIONS (mm)												WEIGHT kg
	PUMP						SUPPORT		B	H max	L	k	
	DNM	DNA	a	h2	w1	x	h1	n					
SHOE 25-125/11	25	50	80	140	-	129	112	190	219	252	453	98	20
SHOE 25-125/15	25	50	80	140	-	129	112	190	219	252	453	98	21
SHOE 25-125/22	25	50	80	140	-	129	112	190	219	252	453	98	23
SHOE 25-160/30	25	50	80	160	-	134	132	210	254	292	488	98	33
SHOE 25-160/40	25	50	80	160	-	154	132	210	254	292	509	98	40
SHOE 25-160/55	25	50	80	160	-	168	132	210	254	292	543	98	48
SHOE 25-200/30	25	50	80	180	-	134	160	230	284	340	488	98	36
SHOE 25-200/40	25	50	80	180	-	154	160	230	284	340	509	98	42
SHOE 25-200/55	25	50	80	180	-	168	160	230	284	340	543	98	51
SHOE 32-125/11	32	50	80	140	-	129	112	190	219	252	453	98	20
SHOE 32-125/15	32	50	80	140	-	129	112	190	219	252	453	98	21
SHOE 32-125/22	32	50	80	140	-	129	112	190	219	252	453	98	23
SHOE 32-160/30	32	50	80	160	-	134	132	210	254	292	488	98	33
SHOE 32-160/40	32	50	80	160	-	154	132	210	254	292	509	98	40
SHOE 32-160/55	32	50	80	160	-	168	132	210	254	292	543	98	48
SHOE 32-200/30	32	50	80	180	-	134	160	230	284	340	488	98	36
SHOE 32-200/40	32	50	80	180	-	154	160	230	284	340	509	98	42
SHOE 32-200/55	32	50	80	180	-	168	160	230	284	340	543	98	51
SHOE 40-125/15	40	65	80	140	-	129	112	190	219	252	463	100	22
SHOE 40-125/22	40	65	80	140	-	129	112	190	219	252	463	100	24
SHOE 40-125/30	40	65	80	140	-	134	112	190	219	252	498	100	32
SHOE 40-160/40	40	65	80	160	-	154	132	210	254	292	519	100	41
SHOE 40-160/55	40	65	80	160	-	168	132	210	254	300	553	100	49
SHOE 40-160/75	40	65	80	160	-	191	132	210	254	323	567	100	64
SHOE 50-125/55	50	65	100	160	-	168	132	210	254	300	573	104	49
SHOE 50-125/75	50	65	100	160	-	191	132	210	254	323	587	104	65
SHOE 50-160/92	50	65	100	180	363	191	160	210	254	351	625	104	60
SHOE 50-160/110	50	65	100	180	363	191	160	210	254	351	625	104	63

shoe-2p50-en_b_td



SHOS SERIES DIMENSIONS AND WEIGHTS

1

SHOS WITH PUMP SUPPORT FOOT
MOTORS UP TO 7,5 kW

DN	D	M	G	HOLES		MAX. THICKNESS
				Nº	DIA.	
25	115	85	56	4	18	16
32	140	100	64	4	18	16
40	150	110	68	4	18	16
50	165	125	83	4	18	18
65	185	145	104	4	18	18

SHOS WITH SUPPORT UNDER THE MOTOR
11 kW MOTORS

05553_B_DD



SHOS SERIES DIMENSIONS AND WEIGHTS

PUMP TYPE	DIMENSIONS (mm)															WEIGHT kg			
	PUMP									SUPPORT					B		H max	L	k
	DNM	DNA	a	f	h2	w	w1	x	h1	m	m1	n	n1						
SHOS 25-125/11	25	50	80	165	140	-	-	129	112	-	-	190	-	219	252	508	98	24	
SHOS 25-125/15	25	50	80	165	140	-	-	129	112	-	-	190	-	219	252	508	98	26	
SHOS 25-125/22	25	50	80	165	140	-	-	129	112	-	-	190	-	219	252	508	98	28	
SHOS 25-160/30	25	50	80	175	160	-	-	134	160	-	-	210	-	254	320	553	98	42	
SHOS 25-160/40	25	50	80	175	160	-	-	154	160	-	-	210	-	254	320	574	98	47	
SHOS 25-160/55	25	50	80	202	160	-	409	168	160	-	-	210	-	254	320	657	98	60	
SHOS 25-200/30	25	50	80	175	180	-	-	134	160	-	-	230	-	284	340	553	98	44	
SHOS 25-200/40	25	50	80	175	180	-	-	154	160	-	-	230	-	284	340	574	98	50	
SHOS 25-200/55	25	50	80	202	180	-	409	168	160	-	-	230	-	284	340	657	98	63	
SHOS 32-125/11	32	50	80	165	140	-	-	129	112	-	-	190	-	219	252	508	98	24	
SHOS 32-125/15	32	50	80	165	140	-	-	129	112	-	-	190	-	219	252	508	98	26	
SHOS 32-125/22	32	50	80	165	140	-	-	129	112	-	-	190	-	219	252	508	98	28	
SHOS 32-160/30	32	50	80	175	160	-	-	134	160	-	-	210	-	254	320	553	98	42	
SHOS 32-160/40	32	50	80	175	160	-	-	154	160	-	-	210	-	254	320	574	98	47	
SHOS 32-160/55	32	50	80	202	160	-	409	168	160	-	-	210	-	254	320	657	98	60	
SHOS 32-200/30	32	50	80	175	180	-	-	134	160	-	-	230	-	284	340	553	98	44	
SHOS 32-200/40	32	50	80	175	180	-	-	154	160	-	-	230	-	284	340	574	98	50	
SHOS 32-200/55	32	50	80	202	180	-	409	168	160	-	-	230	-	284	340	657	98	63	
SHOS 40-125/15	40	65	80	175	140	-	-	129	112	-	-	190	-	219	252	518	100	27	
SHOS 40-125/22	40	65	80	175	140	-	-	129	112	-	-	190	-	219	252	518	100	29	
SHOS 40-125/30	40	65	80	185	140	-	-	134	160	-	-	190	-	219	300	563	100	40	
SHOS 40-160/40	40	65	80	185	160	-	-	154	160	-	-	210	-	254	320	584	100	48	
SHOS 40-160/55	40	65	80	212	160	-	419	168	160	-	-	210	-	254	328	667	100	61	
SHOS 40-160/75	40	65	80	212	160	-	417	191	160	-	-	210	-	254	351	659	100	79	
SHOS 50-125/55	50	65	100	212	160	-	419	168	160	-	-	210	-	254	328	687	104	61	
SHOS 50-125/75	50	65	100	212	160	-	417	191	160	-	-	210	-	254	351	679	104	79	
SHOS 50-160/110A	50	65	100	242	180	350	-	240	180	304	210	304	254	350	420	836	104	117	
SHOS 50-160/110	50	65	100	242	180	350	-	240	180	304	210	304	254	350	420	836	104	117	

shos-2p50-en_b_td