



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



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 | l/min 0 | 150 | 200 | 250 | 300 | 333 | 350 | 367 | 383 | 400 | 500 | 550 | 567 | 600 | 667 | 800 | 950 | | |
| | | | m ³ /h 0 | 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 |

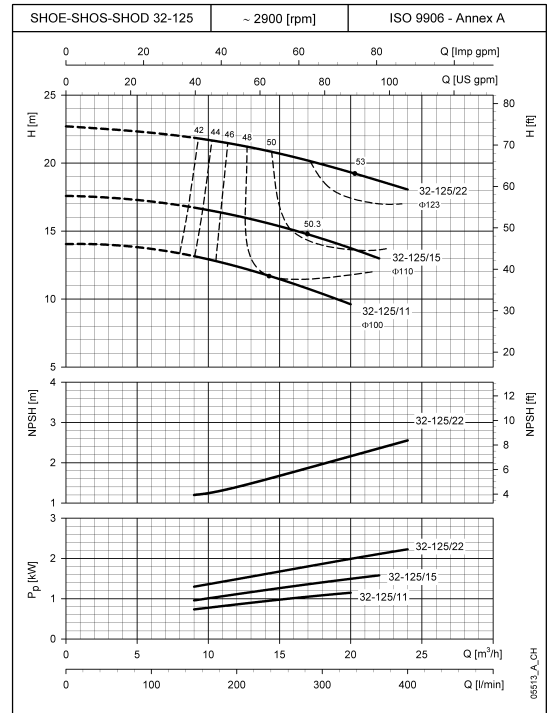
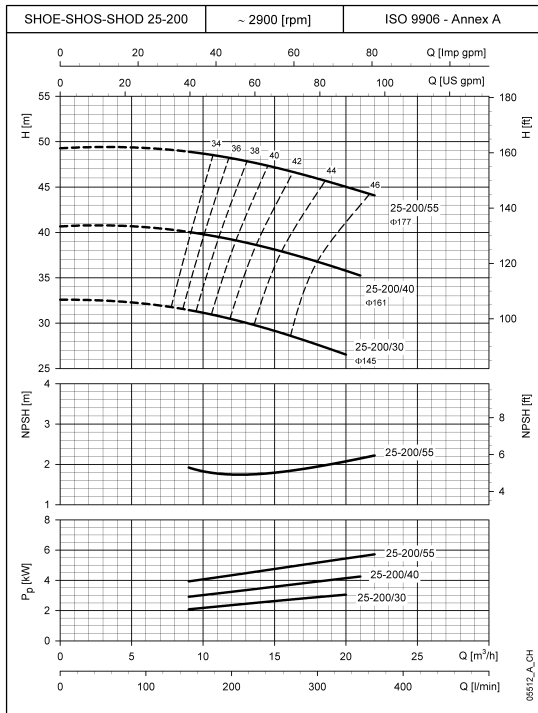
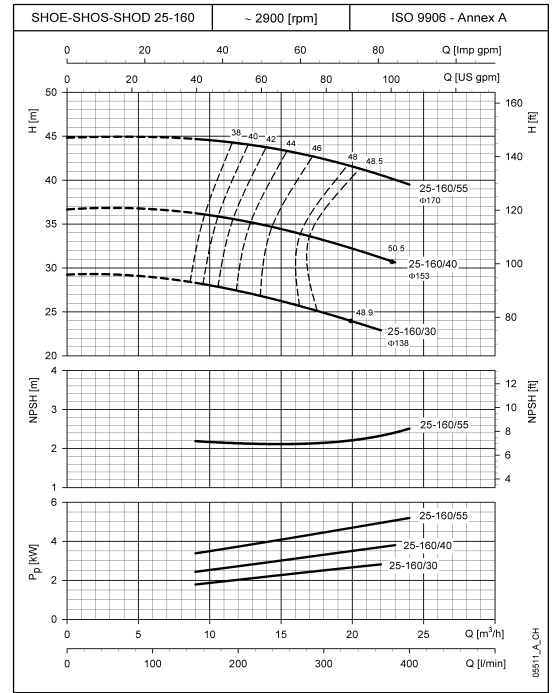
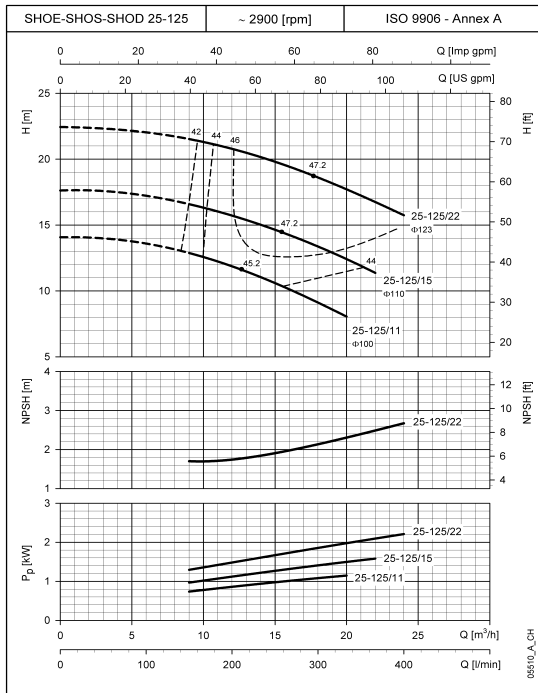
Performances according to ISO standards 9906 - Annex A.

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

1



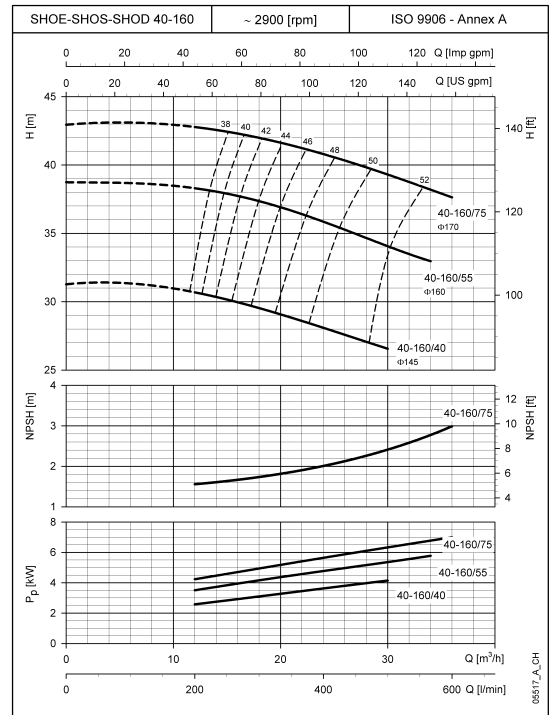
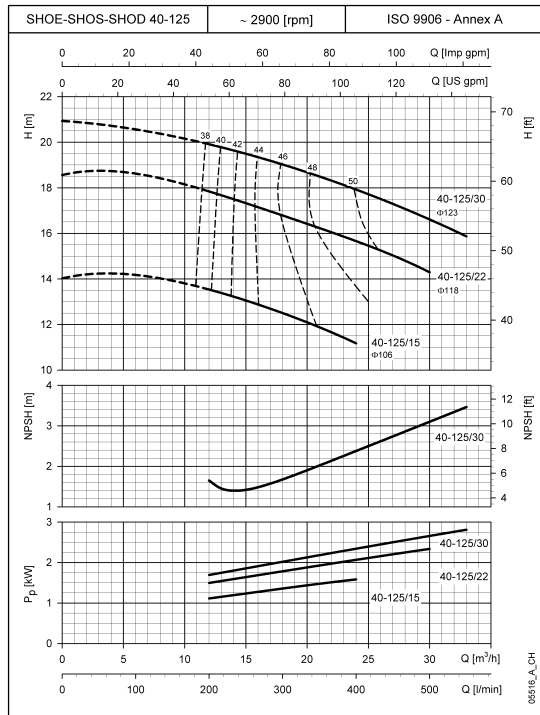
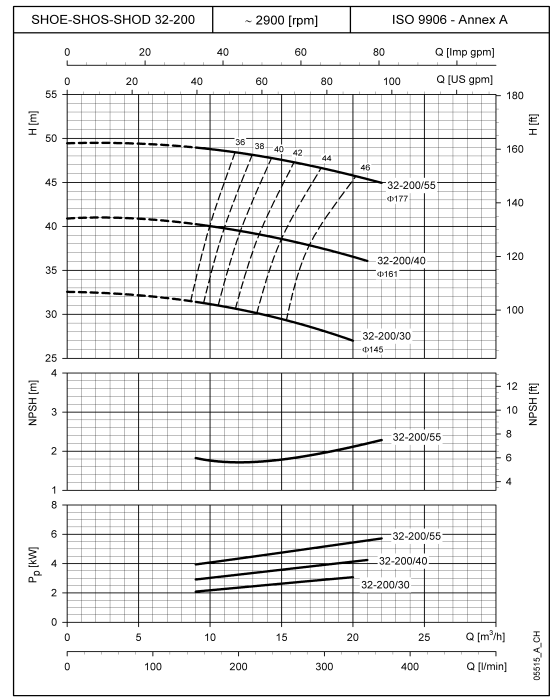
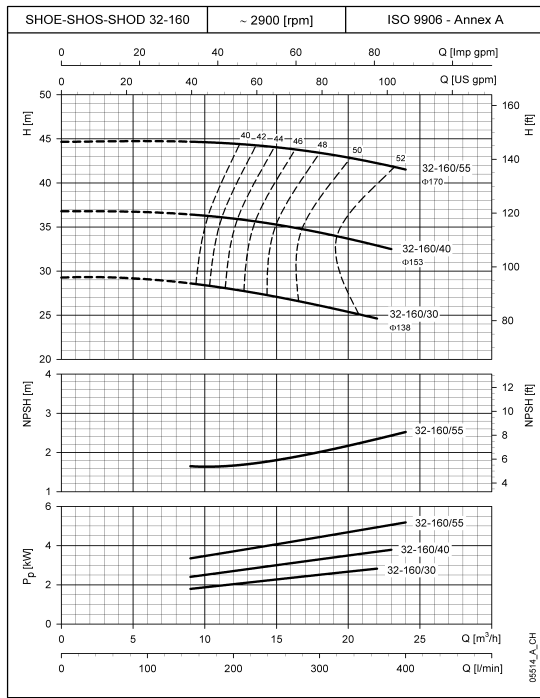
These performances are valid for liquids with density $\rho = 1.0 \text{ kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$.

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General Catalogue

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



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

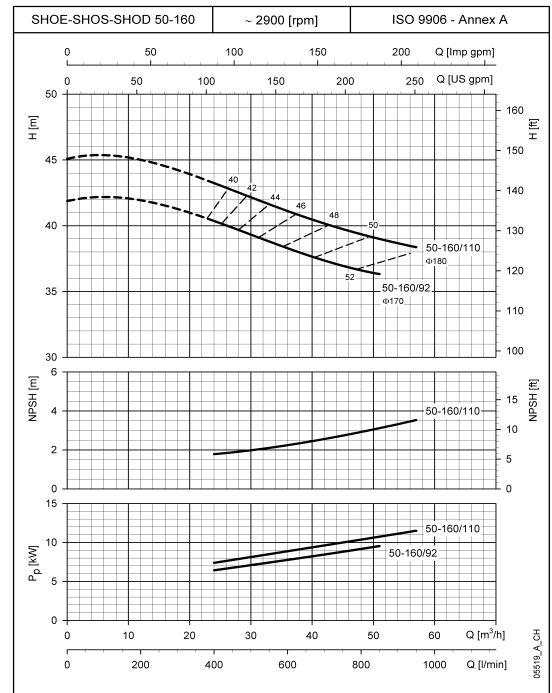
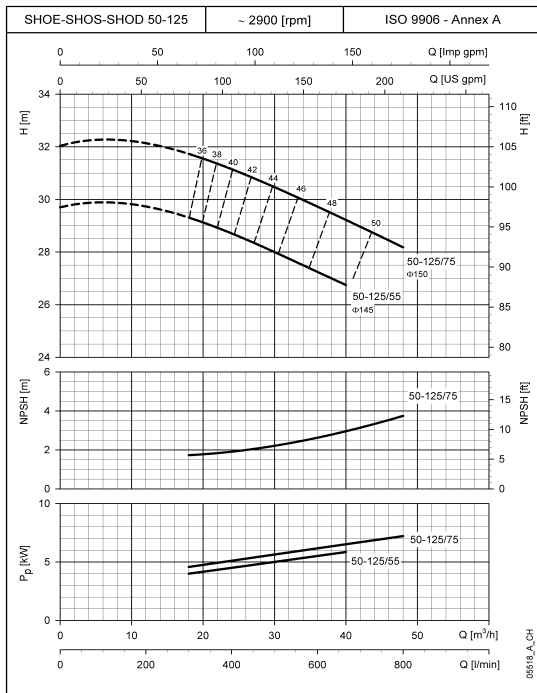
Engineered for life



SHOE - SHOS - SHOD SERIES

OPERATING CHARACTERISTICS AT 50 Hz, 2 POLES

1



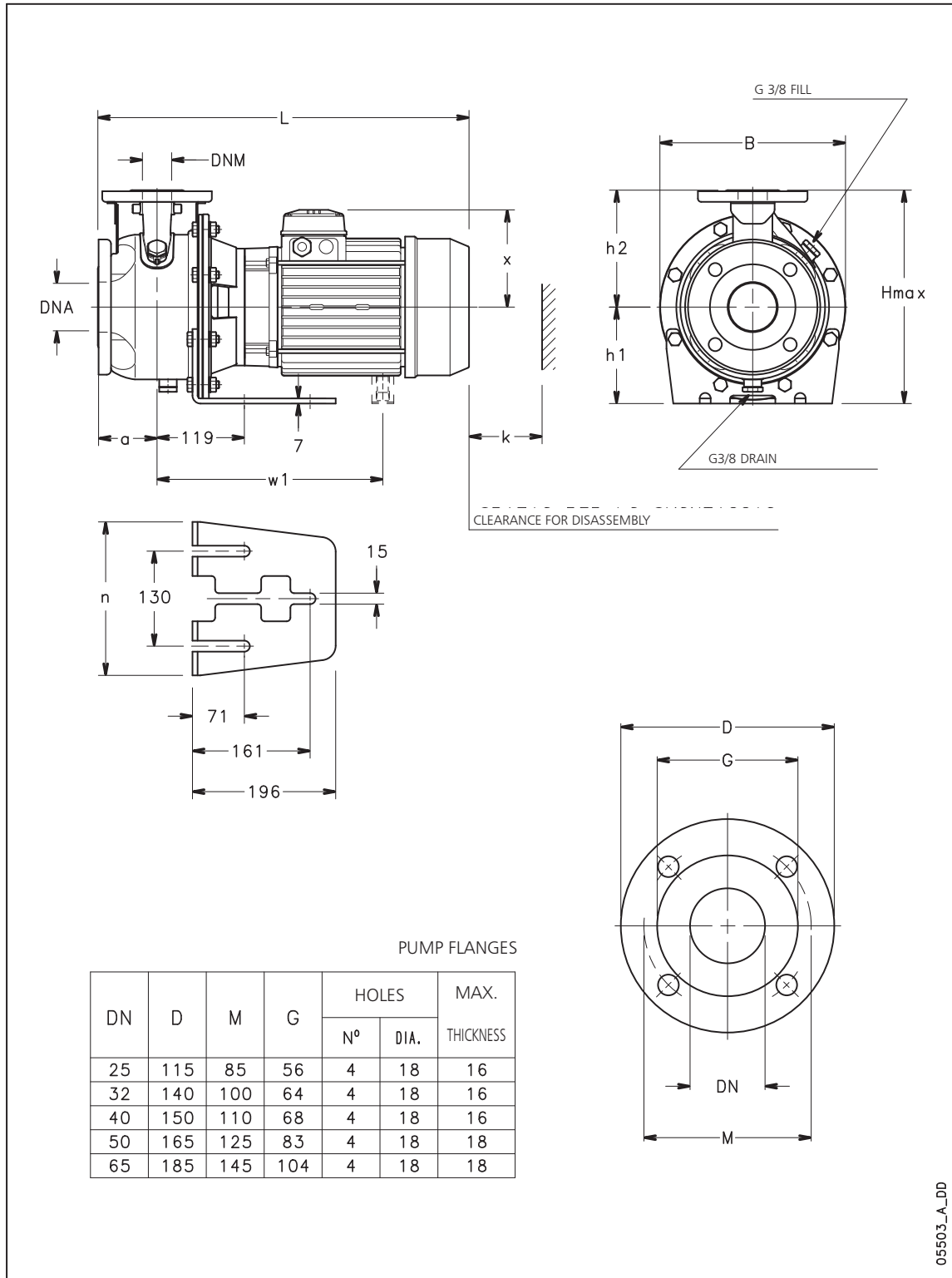
These performances are valid for liquids with density $\rho = 1.0 \text{ kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$.

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SHOE SERIES DIMENSIONS AND WEIGHTS

1



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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 |

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SHOS SERIES DIMENSIONS AND WEIGHTS

1

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

| DN | D | M | G | HOLES | | MAX. THICKNESS |
|----|-----|-----|-----|-------|------|----------------|
| | | | | N° | 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**

PUMP FLANGES

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 | |

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