LOWARA
a xylem brand

SHO Series
Centrifugal pumps with open impeller and flanged connections

MARKET SECTORS
CIVIL, INDUSTRIAL.

APPLICATIONS
- Industrial washing machines.
- Commercial dishwashers.
- Washing of metal parts, surface treatment.
- Food industry washing equipment and systems.
- Dyeing plants and textile industry.
- Plants for the circulation and transfer of moderately viscous liquids, with light chemical aggressiveness.

CONSTRUCTION FEATURES
- The SHO series consists of single stage centrifugal pumps made of pressed AISI 316 stainless steel with **open and recessed impeller made of AISI CF8M stainless steel (casted AISI 316)**.
- Stainless steel centrifugal pump with end suction and radial discharge ports.
- Pump body made of AISI 316L stainless steel.
- AISI 316L stainless steel fill & drain plugs.
- Available sizes: DN25 to DN50.
- Mechanical seal according to EN 12756 (ex DIN 24960).
- **SHOD** execution with **double mechanical seal**.
- Flanges in compliance with EN 1092-1 (ex UNI 2236) and DIN 2532.

SPECIFICATIONS
PUMP
- Delivery up to **56 m³/h** (2 poles) / up to **54 m³/h** (4 poles).
- Head up to **50 m** (2 poles) / up to **12 m** (4 poles).
- Temperature of pumped liquid: -10°C to +120°C for standard version.
- Maximum working pressure: **12 bar** (PN 12).
- Hydraulic performance compliant with ISO 9906:2012 (Grade 3B). (ex ISO 9906:1999 - Annex A).

MOTOR
- Asynchronous, squirrel cage rotor, close construction, external ventilation.
- Protection class: **IP55**.
- **Class 155** (F) Insulation
- Performance to EN 60034-1 specifications.
- **Standard voltage**: 220-240/380-415 V, 50 Hz, for powers up to 3 kW; 380-415/660-690 V, 50 Hz, for powers above 3 kW.

LOWARA
a xylem brand

SHO SERIES
MOTOR-PUMP COUPLING

- **SHOE**: close-coupled by means of a bracket with impeller keyed directly to the motor shaft extension.
- **SHOS**: with a bracket, adapter and rigid coupling keyed to the standard motor shaft extension.
- **SHOD**: execution with double mechanical seal. Bracket, adapter and rigid coupling keyed to the standard motor shaft extension.

ACCESSORIES ON REQUEST

- AISI 316 stainless steel or galvanized iron counter-flanges.
- Intermediate flange with pressure gauge connection.
- Pump and motor shims.

SUSPENDED SOLIDS

The SHO pumps are not drainage pumps, so can not be used for applications like waste water disposal or black waters. The SHO series can be used in washing systems or for clean water with small solid particles included.

The recessed position of the impeller allows the pumping of liquids with small solid particles reducing the risk of clogging the pump. The dimensions of the solids are indicated in the table.

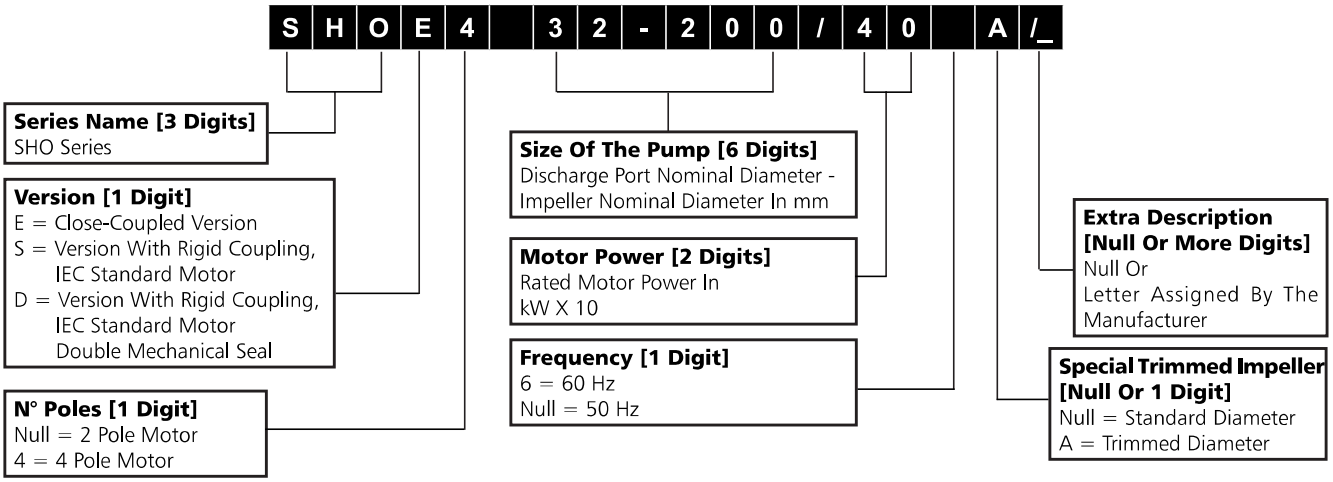
- **Suspended solids** handled up to:

TYPE	SIZE	ø SOLIDS (mm)
SHOE SHOS SHOD	25-32 / 200	20
	25-32 / 125 - 160	22
	40 / 125 - 160	30
	50 / 125 - 160	40

sho-pas-sol-en_a_ps

LOWARA
a xylem brand

SHO SERIES
IDENTIFICATION CODE



EXAMPLES :

SHOE 25-160/30/D

SHO series electric pump, close-coupled version, 2 poles, DN 25 nominal discharge port, 200 mm nominal impeller diameter, rated power 3 kW, 50 Hz version.

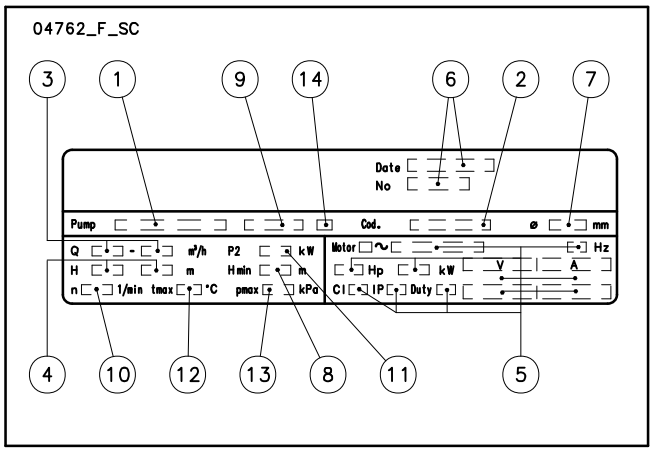
SHOS 50-160/110A/D

SHO series electric pump with rigid coupling, 2 poles, DN 50 nominal discharge port, 160 mm nominal impeller diameter, rated power 11 kW, 50 Hz version, trimmed impeller.

SHOD4 32-160/05

SHO series electric pump with rigid coupling and double mech. seal, 4 poles, DN 32 nominal discharge port, 160 mm nominal impeller diameter, rated power 0,55 kW, 50 Hz version.

RATING PLATE



LEGEND

1 - Electric pump type
2 - Code
3 - Delivery range
4 - Head range
5 - Motor type
6 - Date of manufacture and serial number
7 - Impeller diameter
8 - Minimum head
9 - Mechanical seal material identification code
10 - Speed
11 - Rated output
12 - Maximum operating temperature
13 - Maximum operating pressure
14 - O-ring material identification code

LOWARA
a xylem brand

SHO SERIES
LIST OF MODELS AT 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

4 POLES

SIZE	kW	VERSIONS		
		SHOE4	SHOS4	SHOD4
25-125/03	0,37	•	•	•
25-160/03	0,37	•	•	•
25-160/05	0,55	•	•	•
25-160/07	0,75	•	•	•
25-200/07	0,75	•	•	•
32-125/03	0,37	•	•	•
32-160/03	0,37	•	•	•
32-160/05	0,55	•	•	•
32-160/07	0,75	•	•	•
32-200/07	0,75	•	•	•
40-125/03	0,37	•	•	•
40-160/05	0,55	•	•	•
40-160/07	0,75	•	•	•
40-160/11	1,1	•	•	•
50-125/07	0,75	•	•	•
50-125/11	1,1	•	•	•
50-160/11	1,1	•	•	•
50-160/15	1,5	•	•	•

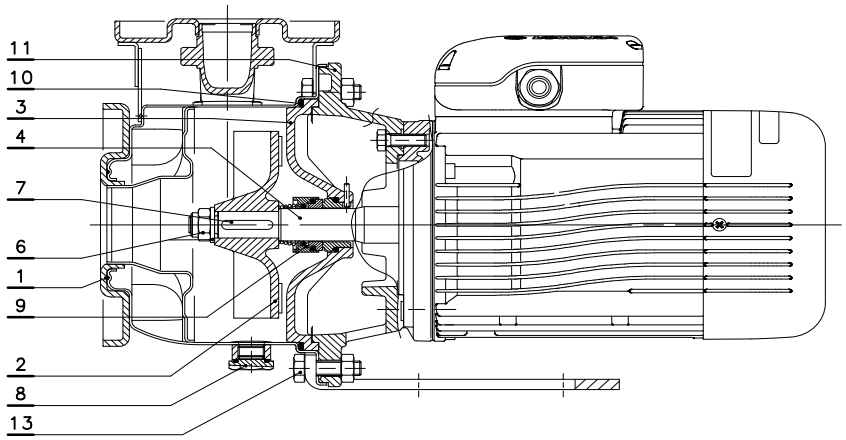
• = Available

sho4_4p50_a_tem

LOWARA
a xylem brand

SHOE - SHOE4 SERIES
LIST OF MODELS AND TABLE OF MATERIALS

05505_A_DS



VERSIONS	
2 POLES	4 POLES
SHOE 25-125/11	SHOE4 25-160/05
SHOE 25-125/15	SHOE4 25-160/07
SHOE 25-125/22	SHOE4 25-200/07
SHOE 25-160/30	SHOE4 32-160/05
SHOE 25-160/40	SHOE4 32-160/07
SHOE 25-160/55	SHOE4 32-200/07
SHOE 25-200/30	SHOE4 40-160/05
SHOE 25-200/40	SHOE4 40-160/07
SHOE 25-200/55	SHOE4 40-160/11
SHOE 32-125/11	SHOE4 50-125/07
SHOE 32-125/15	SHOE4 50-125/11
SHOE 32-125/22	SHOE4 50-160/11
SHOE 32-160/30	SHOE4 50-160/15
SHOE 32-160/40	
SHOE 32-160/55	
SHOE 32-200/30	
SHOE 32-200/40	
SHOE 32-200/55	
SHOE 40-125/15	
SHOE 40-125/22	
SHOE 40-125/30	
SHOE 40-160/40	
SHOE 40-160/55	
SHOE 40-160/75	
SHOE 50-125/55	
SHOE 50-125/75	
SHOE 50-160/92	
SHOE 50-160/110	

shoe-shoe4-p-en_a_mo

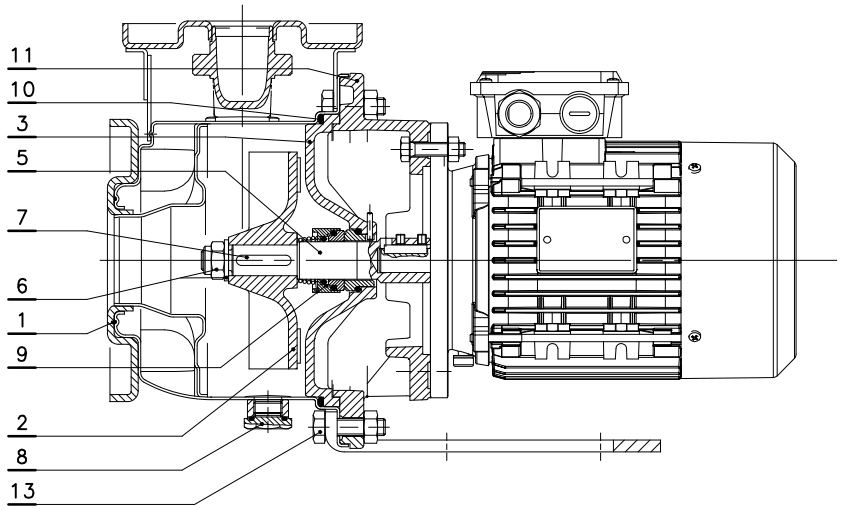
REF. N.	NAME	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Pump body	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
2	Impeller	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (cast AISI 316)
3	Seal housing	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (cast AISI 316)
4	Shaft extension	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
5	Rigid shaft coupling	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
6	Impeller locknut and washer	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
7	Tab	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
8	Fill/drain plugs	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
9	Mechanical seal	Silicon Carbide / Silicon Carbide / FKM (standard version)		
10	Elastomers	FKM (standard version)		
11	Adapter	Cast iron	EN 1561-GJL-200 (JL1030)	ASTM Class 25
13	Pump body fastening bold & screws	Galvanized steel		

shoe-en_b_tm

LOWARA
a xylem brand

SHOE4 SERIES
LIST OF MODELS AND TABLE OF MATERIALS

05506_B_DS



VERSIONS 4 POLES
SHOE4 25-125/03
SHOE4 25-160/03
SHOE4 25-200/03
SHOE4 32-125/03
SHOE4 32-160/03
SHOE4 40-125/03

shoe4-p-en_a_mo

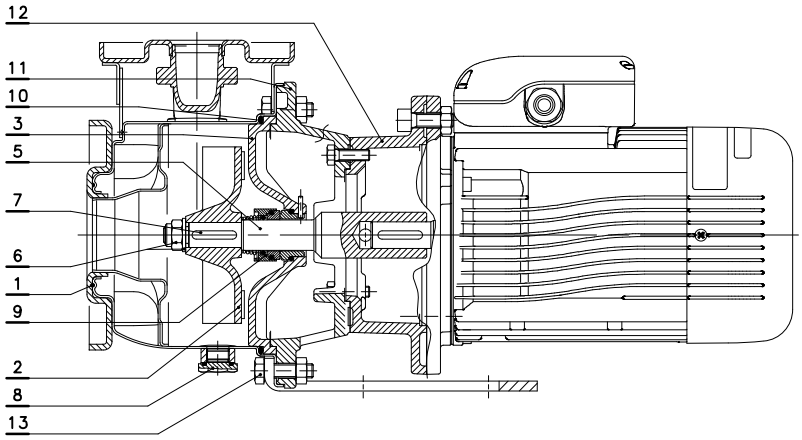
REF. N.	NAME	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Pump body	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
2	Impeller	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (cast AISI 316)
3	Seal housing	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (cast AISI 316)
4	Shaft extension	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
5	Rigid shaft coupling	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
6	Impeller locknut and washer	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
7	Tab	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
8	Fill/drain plugs	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
9	Mechanical seal	Silicon Carbide / Silicon Carbide / FKM (standard version)		
10	Elastomers	FKM (standard version)		
11	Adapter	Cast iron	EN 1561-GJL-200 (JL1030)	ASTM Class 25
13	Pump body fastening bold & screws	Galvanized steel		

shoe-en_b_tm

LOWARA
a xylem brand

SHOS - SHOS4 SERIES
LIST OF MODELS AND TABLE OF MATERIALS

05555_A_DS



VERSIONS	
2 POLES	4 POLES
SHOS 25-125/11	SHOS4 25-125/03
SHOS 25-125/15	SHOS4 25-160/03
SHOS 25-125/22	SHOS4 25-160/05
SHOS 25-160/30	SHOS4 25-160/07
SHOS 25-160/40	SHOS4 25-200/07
SHOS 25-160/55	SHOS4 32-125/03
SHOS 25-200/30	SHOS4 32-160/03
SHOS 25-200/40	SHOS4 32-160/05
SHOS 25-200/55	SHOS4 32-160/07
SHOS 32-125/11	SHOS4 32-200/07
SHOS 32-125/15	SHOS4 40-125/03
SHOS 32-125/22	SHOS4 40-160/05
SHOS 32-160/30	SHOS4 40-160/07
SHOS 32-160/40	SHOS4 40-160/11
SHOS 32-160/55	SHOS4 50-125/07
SHOS 32-200/30	SHOS4 50-125/11
SHOS 32-200/40	SHOS4 50-160/11
SHOS 32-200/55	SHOS4 50-160/15
SHOS 40-125/15	
SHOS 40-125/22	
SHOS 40-125/30	
SHOS 40-160/40	
SHOS 40-160/55	
SHOS 40-160/75	
SHOS 50-125/55	
SHOS 50-125/75	

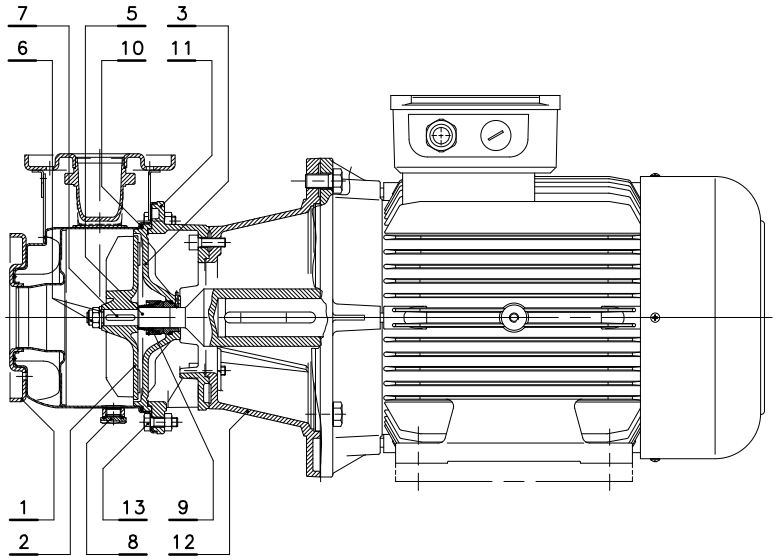
shos-shos4-p-en_a_mo

REF. N.	NAME	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Pump body	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
2	Impeller 25-32-40-50-65(160)	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (cast AISI 316)
3	Seal housing	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (cast AISI 316)
5	Rigid shaft coupling	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
6	Impeller locknut and washer	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
7	Tab	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
8	Fill/drain plugs	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
9	Mechanical seal	Silicon Carbide / Silicon Carbide / FKM (standard version)		
10	Elastomers	FKM (standard version)		
11	Adapter	Cast iron	EN 1561-GJL-200 (JL1030)	ASTM Class 25
12	Adapter-motor coupling	Cast iron	EN 1561-GJL-200 (JL1030)	ASTM Class 25
13	Pump body fastening bolts & screws	Galvanized steel		

LOWARA
a xylem brand

SHOS SERIES
LIST OF MODELS AND TABLE OF MATERIALS

05556_A_DS



VERSIONS
2 POLES
SHOS 50-160/110A
SHOS 50-160/110

shos-s-en_a_mo

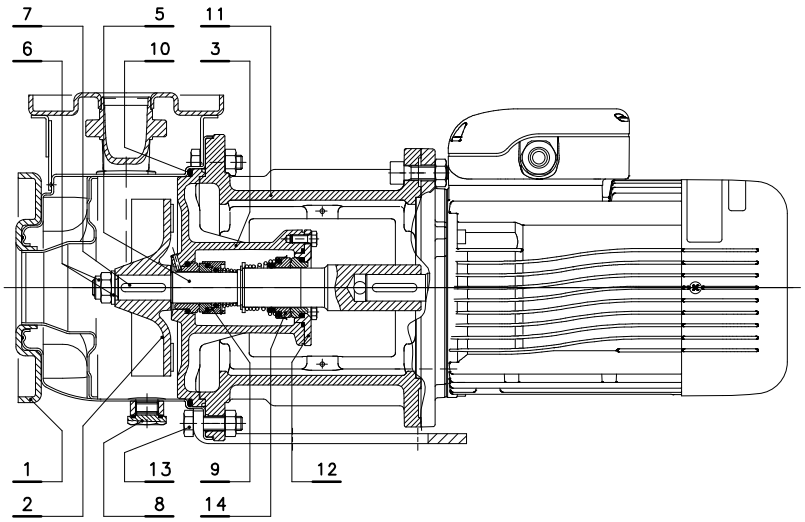
REF. N.	NAME	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Pump body	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
2	Impeller 25-32-40-50-65(160)	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (cast AISI 316)
3	Seal housing	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (cast AISI 316)
5	Rigid shaft coupling	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
6	Impeller locknut and washer	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
7	Tab	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
8	Fill/drain plugs	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
9	Mechanical seal	Silicon Carbide / Silicon Carbide / FKM (standard version)		
10	Elastomers	FKM (standard version)		
11	Adapter	Cast iron	EN 1561-GJL-200 (JL1030)	ASTM Class 25
12	Adapter-motor coupling	Cast iron	EN 1561-GJL-200 (JL1030)	ASTM Class 25
13	Pump body fastening bolts & screws	Galvanized steel		

shos-en_b_tm

LOWARA
a xylem brand

SHOD-SHOD4 SERIES (DOUBLE MECHANICAL SEAL)
LIST OF MODELS AND TABLE OF MATERIALS

05575_A_DS



VERSIONS	
2 POLES	4 POLES
SHOD 25-125/11	SHOD4 25-125/03
SHOD 25-125/15	SHOD4 25-160/03
SHOD 25-125/22	SHOD4 25-160/05
SHOD 25-160/30	SHOD4 25-160/07
SHOD 25-160/40	SHOD4 25-200/07
SHOD 25-160/55	SHOD4 32-125/03
SHOD 25-200/30	SHOD4 32-160/03
SHOD 25-200/40	SHOD4 32-160/05
SHOD 25-200/55	SHOD4 32-160/07
SHOD 32-125/11	SHOD4 32-200/07
SHOD 32-125/15	SHOD4 40-125/03
SHOD 32-125/22	SHOD4 40-160/05
SHOD 32-160/30	SHOD4 40-160/07
SHOD 32-160/40	SHOD4 40-160/11
SHOD 32-160/55	SHOD4 50-125/07
SHOD 32-200/30	SHOD4 50-125/11
SHOD 32-200/40	SHOD4 50-160/11
SHOD 32-200/55	SHOD4 50-160/15
SHOD 40-125/15	
SHOD 40-125/22	
SHOD 40-125/30	
SHOD 40-160/40	
SHOD 40-160/55	
SHOD 40-160/75	
SHOD 50-125/55	
SHOD 50-125/75	

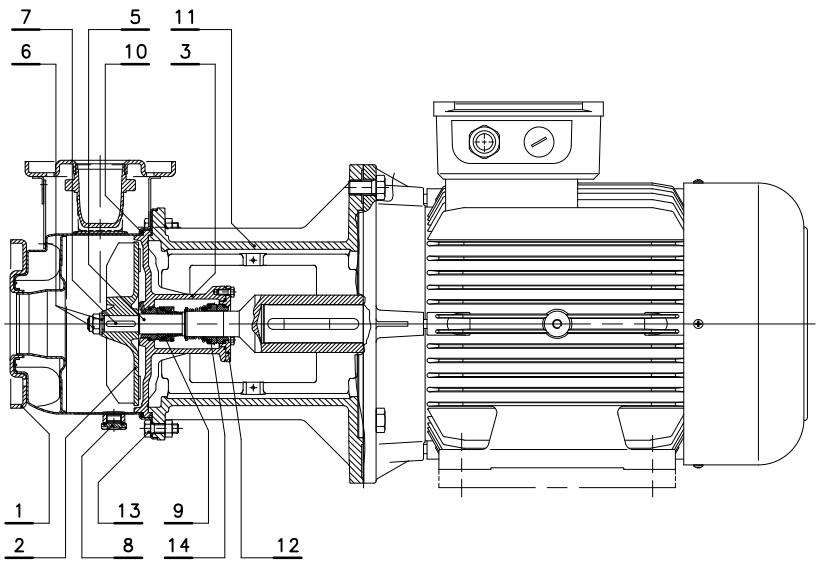
shod-shod4-p-en_a_mo

REF. N.	NAME	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Pump body	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
2	Impeller	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (cast AISI 316)
3	Seal housing	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (cast AISI 316)
5	Rigid shaft coupling	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
6	Impeller locknut and washer	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
7	Tab	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
8	Fill/drain plugs	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
9	(front) Mechanical seal	Silicon Carbide / Silicon Carbide / FKM (standard version)		
10	Elastomers	FKM (standard version)		
11	Adapter	Cast iron	EN 1561-GJL-200 (JL1030)	ASTM Class 25
12	Seal cover	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
13	Pump body fastening bolts & screws	Galvanized steel		
14	(back) Mechanical seal	Ceramic / Carbon / FKM (standard version)		

LOWARA
a xylem brand

SHOD SERIES (DOUBLE MECHANICAL SEAL)
LIST OF MODELS AND TABLE OF MATERIALS

05576_A_DS



VERSIONS
2 POLES
SHOD 50-160/110A
SHOD 50-160/110

shod-s-en_a_mo

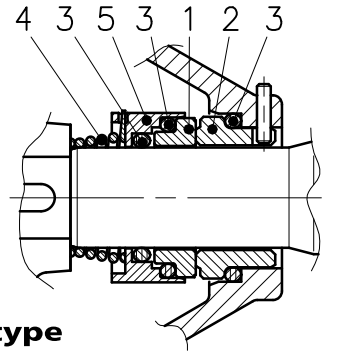
REF. N.	NAME	MATERIAL	REFERENCE STANDARDS	
			EUROPE	USA
1	Pump body	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
2	Impeller	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (cast AISI 316)
3	Seal housing	Stainless steel	EN 10213-4-GX5CrNiMo19-11-2 (1.4408)	ASTM CF8M (cast AISI 316)
5	Rigid shaft coupling	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
6	Impeller locknut and washer	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
7	Tab	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
8	Fill/drain plugs	Stainless steel	EN 10088-1-X5CrNiMo17-12-2 (1.4401)	AISI 316
9	(front) Mechanical seal	Silicon Carbide / Silicon Carbide / FKM (standard version)		
10	Elastomers	FKM (standard version)		
11	Adapter	Cast iron	EN 1561-GJL-200 (JL1030)	ASTM Class 25
12	Seal cover	Stainless steel	EN 10088-1-X2CrNiMo17-12-2 (1.4404)	AISI 316L
13	Pump body fastening bolts & screws	Galvanized steel		
14	(back) Mechanical seal	Ceramic / Carbon / FKM (standard version)		

LOWARA
a xylem brand

SHO SERIES
MECHANICAL SEAL, ACCORDING TO EN 12756

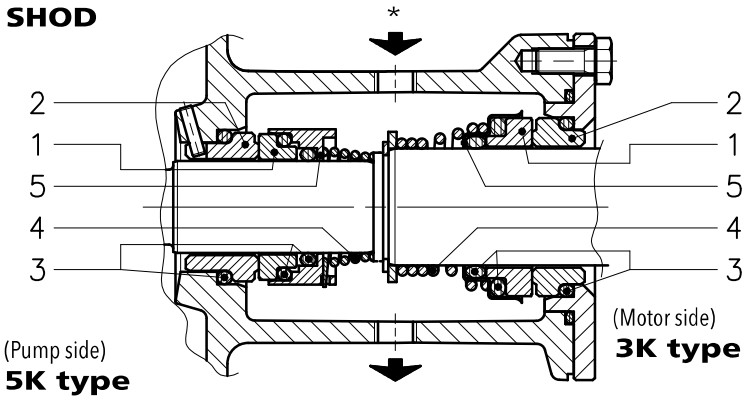
Mechanical seal with mounting dimensions according to EN12756 (ex DIN 24960) and ISO 3069.

SHOE-SHOS



5K type

SHOD



5K type **3K type**

(*) Flushing of the seals has to be done with clean liquid and external flushing circuit. The liquid has to be compatible with the pumped liquid and with a pressure 0,5 bar higher than the pressure in the pump. (Rp 1/4 connections).

LIST OF MATERIALS

POSITION 1 - 2	POSITION 3	POSITION 4 - 5
B : Resin impregnated carbon	E : EPDM	G : AISI 316
Q_1 : Silicon carbide	V : FKM (FPM)	
C : Special resin impregnated carbon	T : PTFE	
V : Ceramic		

Fluoro-elastomer: FPM (old ISO), FKM (ASTM & new ISO).

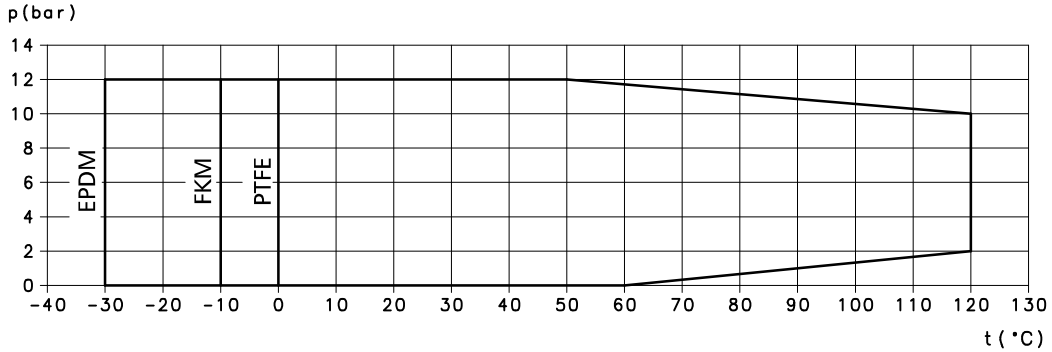
sho-shod_ten-mec-en_b_tm

SEAL TYPES

TYPE	POSITION 1 ROTATING ASSEMBLY	POSITION 2 FIXED ASSEMBLY	POSITION 3 ELASTOMERS	POSITION 4 SPRINGS	POSITION 5 OTHER COMPONENTS	TEMPERATURE (°C)
STANDARD MECHANICAL SEALS						
3K - V B V G G	V	B	V	G	G	-10 +120
5K - Q_1 Q_1 V G G	Q_1	Q_1	V	G	G	-10 +120
OTHER MECHANICAL SEAL TYPES						
3K - V B E G G	V	B	E	G	G	-30 +120
5K - Q_1 B V G G	Q_1	B	V	G	G	-10 +120
5K - Q_1 Q_1 E G G	Q_1	Q_1	E	G	G	-30 +120
5K - Q_1 B E G G	Q_1	B	E	G	G	-30 +120
5K - Q_1 C T G G	Q_1	C	T	G	G	0 +120
5K - Q_1 Q_1 T G G	Q_1	Q_1	T	G	G	0 +120

sho-shod_tipi-ten-mec-en_a_tc

COMPLETE PUMP PRESSURE / TEMPERATURE OPERATING LIMITS



LOWARA
a xylem brand

SHO SERIES
MOTORS (ErP 2009/125/EC)

- Short-circuit squirrel-cage motor, enclosed construction with external ventilation (TEFC).
- **IP55** protection degree.
- Insulation class **155 (F)**.
- Electrical performances according to EN 60034-1.
- Supplied **three-phase** surface motors with **IE2** efficiency level (power < 0,75 kW) or **IE3** efficiency level (power ≥ 0,75 kW) as standard according to EN 60034-30:2009 and EN 60034-30-1:2014.
- Metric cable gland according to EN 50262.
- **Three-phase** version:
  - 220-240/380-415 V, 50 Hz, power up to 3 kW;
  - 380-415/660-690 V, 50 Hz, power above 3 kW.

  Overload protection to be provided by the user.

From 1 July 2023 in accordance with the **Regulations (EU) 2019/1781 and (EU) 2021/341**, the three-phase 50 Hz, 60 Hz or 50/60 Hz **surface motors** with **power outputs ranging from 0,12 to 0,749 kW** must have a minimum level **IE2** efficiency; the ones with power outputs ranging **from 0,75 to 74,9 kW** must have a minimum level of **IE3** efficiency. The single-phase **surface motors** with **power outputs ranging from 0,12 kW** must have a minimum level **IE2** efficiency.

The following tables also contain the mandatory information pursuant to Annex I, section 2, of the aforementioned Regulations.

SHOE SERIES - THREE-PHASE MOTORS AT 50 Hz, 2 POLES

P_N kW	Manufacturer: Xylem Service Italia Srl, Reg. No. 07520560967, Montecchio Maggiore Vicenza - Italia. Model	IEC SIZE*	Construction Design	N. of Poles	f_N Hz	Data for 400 V / 50 Hz Voltage: cosφ	Is / I_N	T_N Nm	T_s/T_N	T_m/T_n
1,1	SM90RB14S2/311 PE	90R	SPECIAL	2	50	0,79	8,31	3,63	3,95	3,95
1,5	SM90RB14S2/315 PE	90R				0,80	8,80	4,96	4,31	4,10
2,2	PLM90B14S2/322 E3	90				0,80	8,77	7,28	3,72	3,7
3	PLM90B14S2/330 E3	90				0,79	7,81	9,93	4,26	3,94
4	PLM112RB14S2/340 E3	112R				0,85	9,13	13,2	3,82	4,32
5,5	PLM112B14S2/355 E3	112				0,85	10,5	18,1	4,74	5,11
7,5	PLM132B14S2/375 E3	132				0,85	10,2	24,4	3,43	4,76
9,2	PLM132B14S2/392 E3	132				0,85	10,1	29,97	3,73	4,81
11	PLM132B14S2/3110 E3	132				0,86	9,89	35,9	3,46	4,59

P_N kW	Voltage U_N V: Δ 220 V	Δ 230 V	Δ 240 V	Y 380 V	Y 400 V	Y 415 V	Δ 380 V	Δ 400 V	Δ 415 V	Y 660 V	Y 690 V	n_N min^{-1}	Operating conditions **: Altitude Above Sea Level (m)	T. amb min/max °C	ATEX
	I_N (A)														
1,1	4,19	4,14	4,16	2,42	2,39	2,40	2,41	2,38	2,38	1,39	1,37	2870 ÷ 2900	≤ 1000	-15 / 50	No
1,5	5,56	5,49	5,51	3,21	3,17	3,18	3,21	3,18	3,19	1,85	1,84	2870 ÷ 2895			
2,2	7,97	7,90	7,98	4,60	4,56	4,61	4,57	4,54	4,57	2,64	2,62	2880 ÷ 2900			
3	11,0	11,0	11,2	6,35	6,33	6,44	6,29	6,27	6,34	3,63	3,62	2865 ÷ 2895			
4	13,6	13,4	13,4	7,87	7,75	7,74	7,80	7,62	7,61	4,50	4,40	2885 ÷ 2910			
5,5	18,1	17,9	18,1	10,4	10,4	10,4	10,6	10,5	10,7	6,10	6,05	2880 ÷ 2910			
7,5	24,8	24,4	24,3	14,3	14,1	14,0	14,4	14,1	14,2	8,32	8,16	2920 ÷ 2935			
9,2	30,6	30,1	30,2	17,6	17,4	17,5	17,5	17,2	17,3	10,1	9,93	2920 ÷ 2935			
11	35,7	35,0	34,9	20,6	20,2	20,2	20,6	20,2	20,2	11,9	11,7	2910 ÷ 2930			

P_N kW	Efficiency η_N % — Δ 220 V Y 380 V: 4/4	3/4	2/4	Δ 230 V Y 400 V: 4/4	3/4	2/4	Δ 240 V Y 415 V: 4/4	3/4	2/4	Δ 380 V Y 660 V: 4/4	3/4	2/4	Δ 400 V Y 690 V: 4/4	3/4	2/4	Δ 415 V: 4/4	3/4	2/4	IE
1,1	84,0	84,7	83,4	84,4	84,5	82,5	84,3	84,0	81,4	84,0	84,0	81,4	84,0	84,0	81,4	84,0	84,0	81,4	3
1,5	85,6	86,5	85,8	85,9	86,4	84,9	86,0	86,0	84,0	85,6	86,0	84,0	85,6	86,0	84,0	85,6	86,0	84,0	
2,2	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	83,7	
3	85,5	86,8	85,6	86,1	86,8	85,6	86,3	86,8	85,6	85,5	86,8	85,6	85,5	86,8	85,6	85,5	86,8	85,6	
4	86,3	86,3	86,3	86,3	86,3	86,3	86,3	86,3	86,3	86,3	86,3	86,3	86,3	86,3	86,3	86,3	86,3	86,3	
5,5	87,6	87,6	87,6	87,6	87,6	87,6	87,6	87,6	87,6	87,6	87,6	87,6	87,6	87,6	87,6	87,6	87,6	87,6	
7,5	88,6	88,1	88,1	88,6	88,1	88,1	88,6	88,1	88,1	88,6	88,1	88,1	88,6	88,1	88,1	88,6	88,1	88,1	
9,2	89,3	88,8	88,8	89,3	88,8	88,8	89,3	88,8	88,8	89,3	88,8	88,8	89,3	88,8	88,8	89,3	88,8	88,8	
11	90,3	91,1	90,3	90,3	91,1	90,3	90,3	91,1	90,3	90,3	91,1	90,3	90,8	91,1	90,3	91,0	91,1	90,3	

* R = Reduced size of motor casing as compared to shaft extension and flange.

LOWARA
a xylem brand

SHOS - SHOD SERIES
THREE-PHASE MOTORS AT 50 Hz, 2 POLES

P_N kW	Manufacturer: Xylem Service Italia Srl, Reg. No. 07520560967, Montecchio Maggiore Vicenza - Italia. Model	IEC SIZE*	Construction Design	N. of Poles	f_N Hz	Data for 400 V / 50 Hz Voltage: cosφ	Is / I_N	T_N Nm	T_s/T_N	T_m/T_n
1,1	SM80B5/311 PE	80	B5	2	50	0,79	8,31	3,63	3,95	3,95
1,5	SM90RB5/315 PE	90R				0,80	8,80	4,96	4,31	4,10
2,2	PLM90B5/322 E3	90				0,80	8,77	7,28	3,72	3,70
3	PLM100RB5/330 E3	100R				0,79	7,81	9,93	4,26	3,94
4	PLM112RB5/340 E3	112R				0,85	9,13	13,20	3,82	4,32
5,5	PLM132RB5/355 E3	132R				0,85	10,50	18,1	4,74	5,11
7,5	PLM132B5/375 E3	132				0,85	10,2	24,4	3,43	4,76
11	PLM160RB5/3110 E3	160	B35			0,86	9,89	35,9	3,46	4,59

P_N kW	Voltage U_N V: Δ 220 V	Δ 230 V	Δ 240 V	Y 380 V	Y 400 V	Y 415 V	Δ 380 V	Δ 400 V	Δ 415 V	Y 660 V	Y 690 V	n_N min^{-1}	Operating conditions **: Altitude Above Sea Level (m)	T. amb min/max °C	ATEX
	I_N (A)														
1,1	4,19	4,14	4,16	2,42	2,39	2,4	2,41	2,38	2,38	1,39	1,37	2870 ÷ 2900	≤ 1000	-15 / 50	No
1,5	5,56	5,49	5,51	3,21	3,17	3,18	3,21	3,18	3,19	1,85	1,84	2870 ÷ 2895			
2,2	7,97	7,90	7,98	4,6	4,56	4,61	4,57	4,54	4,57	2,64	2,62	2880 ÷ 2900			
3	11,0	11,0	11,2	6,35	6,33	6,44	6,29	6,27	6,34	3,63	3,62	2865 ÷ 2895			
4	13,6	13,4	13,4	7,87	7,75	7,74	7,80	7,62	7,61	4,50	4,40	2885 ÷ 2910			
5,5	18,1	17,9	18,1	10,4	10,4	10,4	10,6	10,5	10,7	6,10	6,05	2880 ÷ 2910			
7,5	24,8	24,4	24,3	14,3	14,1	14,0	14,4	14,1	14,2	8,32	8,16	2920 ÷ 2935			
11	35,7	35,0	34,9	20,6	20,2	20,2	20,6	20,2	20,2	11,9	11,7	2910 ÷ 2930			

P_N kW	Efficiency η_N %: Δ 220 V Y 380 V 4/4	3/4	2/4	Δ 230 V Y 400 V 4/4	3/4	2/4	Δ 240 V Y 415 V 4/4	3/4	2/4	Δ 380 V Y 660 V 4/4	3/4	2/4	Δ 400 V Y 690 V 4/4	3/4	2/4	Δ 415 V 4/4	3/4	2/4	IE
0,75	82,5	83,1	81,3	82,8	82,7	80,1	82,6	82,0	78,9	82,5	82,0	78,9	82,5	82,0	78,9	82,5	82,0	78,9	3
1,1	84,0	84,7	83,4	84,4	84,5	82,5	84,3	84,0	81,4	84,0	84,0	81,4	84,0	84,0	81,4	84,0	84,0	81,4	
1,5	85,6	86,5	85,8	85,9	86,4	84,9	86,0	86,0	84,0	85,6	86,0	84,0	85,6	86,0	84,0	85,6	86,0	84,0	
2,2	86,5	87,4	86,8	86,4	86,9	85,7	86,6	86,7	85,0	86,4	86,7	85,0	86,4	86,7	85,0	86,4	86,7	85,0	
3	87,2	88,5	88,3	87,5	88,2	87,5	87,5	87,8	86,4	87,2	87,8	86,4	87,2	87,8	86,4	87,2	87,8	86,4	
4	89,1	90,1	89,2	89,1	90,1	89,2	89,1	90,1	89,2	89,1	90,3	90,4	89,6	90,4	89,9	89,6	90,1	89,2	
5,5	89,5	89,6	88,0	89,5	89,6	88,0	89,5	89,6	88,0	89,5	90,3	89,9	89,7	90,0	89,0	89,6	89,6	88,0	
7,5	90,6	90,5	89,0	90,6	90,5	89,0	90,6	90,5	89,0	90,6	91,0	90,2	90,8	90,8	89,6	90,7	90,5	89,0	

* R = Reduced size of motor casing as compared to shaft extension and flange.

shos-shod-ie3-mott-2p50-en_c_te

** Operating conditions to be referred to motor only. About electric pump, refer to limits in user's manual.

LOWARA
a xylem brand

SHOE SERIES
THREE-PHASE MOTORS AT 50 Hz, 4 POLES

P_N kW	Manufacturer: Xylem Service Italia Srl, Reg. No. 07520560967, Montecchio Maggiore Vicenza - Italia — Model	IEC SIZE*	Construction Design	N. of Poles	f_N Hz	Data for 400 V / 50 Hz Voltage: cosφ	Is / I_N	T_N Nm	Ts/T_N	Tm/Tn
0,37	LLM471B5/304 E2	71	B5	4	50	0,70	4,60	2,60	2,70	2,20
0,55	LLM490RB14S2/305 E2	90R	SPECIAL			0,76	4,40	3,80	2,30	2,40
0,75	LLM490RB14S2/307 E3	90R				0,80	6,38	5,00	2,73	3,13
1,1	PLM490B5S2/311 E3	90				0,71	6,22	7,28	2,75	3,44
1,5	PLM490B5S2/315 E3	90				0,68	6,92	9,89	3,29	4,01

P_N kW	Voltage U_N (V) — Δ: 220 V, 230 V, 240 V; Y: 380 V, 400 V, 415 V; Δ: 380 V, 400 V, 415 V; Y: 660 V, 690 V — I_N (A)	n_N min^{-1}	Operating conditions **: Altitude Above Sea Level (m)	T. amb min/max °C	ATEX
0,37	1,82 / 1,80 / 1,66 / 1,05 / 1,00 / 0,96 / - / - / - / - / -	1410	≤ 1000	-15 / 40	No
0,55	2,42 / 2,60 / 2,25 / 1,40 / 1,35 / 1,30 / - / - / - / - / -	1420			
0,75	2,90 / 2,85 / 2,85 / 1,70 / 1,65 / 1,65 / 1,70 / 1,65 / 1,65 / 0,98 / 0,95	1420 ÷ 1435			
1,10	4,61 / 4,59 / 4,62 / 2,66 / 2,65 / 2,67 / 2,64 / 2,63 / 2,65 / 1,53 / 1,52	1435 ÷ 1445		-15 / 50	
1,50	6,34 / 6,41 / 6,41 / 3,66 / 3,70 / 3,70 / 3,65 / 3,68 / 3,69 / 2,11 / 2,13	1440 ÷ 1450			

P_N kW	Efficiency η_N (%) — Δ 220 V Y 380 V: 4/4, 3/4, 2/4; Δ 230 V Y 400 V: 4/4, 3/4, 2/4; Δ 240 V Y 415 V: 4/4, 3/4, 2/4; Δ 380 V Y 660 V: 4/4, 3/4, 2/4; Δ 400 V Y 690 V: 4/4, 3/4, 2/4; Δ 415 V: 4/4, 3/4, 2/4	IE
0,37	75,9 / 76,0 / 72,0 / 75,8 / 74,6 / 70,1 / 75,2 / 73,4 / 68,1 / - / - / - / - / - / - / - / - / -	2
0,55	78,8 / 80,3 / 78,9 / 79,0 / 79,7 / 77,6 / 79,6 / 79,6 / 76,7 / - / - / - / - / - / - / - / - / -	
0,75	83,0 / 84,3 / 83,5 / 83,4 / 84,1 / 82,6 / 83,8 / 84,0 / 81,9 / 83,0 / 84,3 / 83,5 / 83,4 / 84,1 / 82,6 / 83,8 / 84,0 / 81,9	3
1,10	84,9 / 85,7 / 84,7 / 85,3 / 85,5 / 83,8 / 85,3 / 85,0 / 82,7 / 84,9 / 85,0 / 82,7 / 84,9 / 85,0 / 82,7 / 84,9 / 85,0 / 82,7	
1,50	86,6 / 87,0 / 85,7 / 86,7 / 86,9 / 84,5 / 86,4 / 85,9 / 83,3 / 86,4 / 85,9 / 83,3 / 86,4 / 85,9 / 83,3 / 86,4 / 85,9 / 83,3	

* R = Reduced size of motor casing as compared to shaft extension and flange.

shoe4-ie3-mott-4p50-en_b_te

** Operating conditions to be referred to motor only. About electric pump, refer to limits in user's manual.

SHOS - SHOD SERIES
THREE-PHASE MOTORS AT 50 Hz, 4 POLES

P_N kW	Manufacturer: Xylem Service Italia Srl, Reg. No. 07520560967, Montecchio Maggiore Vicenza - Italia — Model	IEC SIZE	Construction Design	N. of Poles	f_N Hz	Data for 400 V / 50 Hz Voltage: cosφ	Is / I_N	T_N Nm	Ts/T_N	Tm/Tn
0,37	LLM480B5/304 E2	71	B5	4	50	0,70	4,6	2,6	2,70	2,20
0,55	LLM480B5/305 E2	80				0,76	4,40	3,8	2,3	2,4
0,75	LLM480B5/307 E3	80				0,80	6,38	5,00	2,73	3,13
1,1	PLM490B5/311 E3	90				0,71	6,22	7,28	2,75	3,44
1,5	PLM490B5/315 E3	90				0,68	6,92	9,89	3,29	4,01

P_N kW	Voltage U_N (V) — Δ: 220 V, 230 V, 240 V; Y: 380 V, 400 V, 415 V; Δ: 380 V, 400 V, 415 V; Y: 660 V, 690 V — I_N (A)	n_N min^{-1}	Operating conditions **: Altitude Above Sea Level (m)	T. amb min/max °C	ATEX
0,37	1,82 / 1,80 / 1,66 / 1,05 / 1,00 / 0,96 / - / - / - / - / -	1410	≤ 1000	-15 / +40	No
0,55	2,42 / 2,60 / 2,25 / 1,40 / 1,35 / 1,30 / - / - / - / - / -	1420			
0,75	2,90 / 2,85 / 2,85 / 1,70 / 1,65 / 1,65 / 1,70 / 1,65 / 1,65 / 0,98 / 0,95	1420 ÷ 1435			
1,1	4,61 / 4,59 / 4,62 / 2,66 / 2,65 / 2,67 / 2,64 / 2,63 / 2,65 / 1,53 / 1,52	1435 ÷ 1445			
1,5	6,34 / 6,41 / 6,41 / 3,66 / 3,70 / 3,70 / 3,65 / 3,68 / 3,69 / 2,11 / 2,13	1440 ÷ 1450			

P_N kW	Efficiency η_N (%) — Δ 220 V Y 380 V: 4/4, 3/4, 2/4; Δ 230 V Y 400 V: 4/4, 3/4, 2/4; Δ 240 V Y 415 V: 4/4, 3/4, 2/4; Δ 380 V Y 660 V: 4/4, 3/4, 2/4; Δ 400 V Y 690 V: 4/4, 3/4, 2/4; Δ 415 V: 4/4, 3/4, 2/4	IE
0,37	75,9 / 76,0 / 72,0 / 75,8 / 74,6 / 70,1 / 75,2 / 73,4 / 68,1 / - / - / - / - / - / - / - / - / -	2
0,55	78,8 / 80,3 / 78,9 / 79,0 / 79,7 / 77,6 / 79,6 / 79,6 / 76,7 / - / - / - / - / - / - / - / - / -	
0,75	83,0 / 84,3 / 83,5 / 83,4 / 84,1 / 82,6 / 83,8 / 84,0 / 81,9 / 83,0 / 84,3 / 83,5 / 83,4 / 84,1 / 82,6 / 83,8 / 84,0 / 81,9	3
1,1	84,9 / 85,7 / 84,7 / 85,3 / 85,5 / 83,8 / 85,3 / 85,0 / 82,7 / 84,9 / 85,0 / 82,7 / 84,9 / 85,0 / 82,7 / 84,9 / 85,0 / 82,7	
1,5	86,6 / 87,0 / 85,7 / 86,7 / 86,9 / 84,5 / 86,4 / 85,9 / 83,3 / 86,4 / 85,9 / 83,3 / 86,4 / 85,9 / 83,3 / 86,4 / 85,9 / 83,3	

LOWARA
a xylem brand

SHO SERIES
MOTOR NOISE

The tables below show the mean sound pressure levels (Lp) measured at 1 meter distance in a free field according to EN ISO 11203. The noise values are measured on 50 Hz motors and have a tolerance of 3 dB (A) according to EN ISO 4871.

SHOE 50 Hz 2-POLE

POWER kW	MOTOR TYPE SIZE IEC*	NOISE LpA dB
1,1	90R	<70
1,5	90R	<70
2,2	90R	<70
3	90	<70
4	112R	<70
5,5	112	<70
7,5	132	71
9,2	132	73
11	132	73

SHOS-SHOD 50 Hz 2-POLE

POWER kW	MOTOR TYPE SIZE IEC*	NOISE LpA dB
1,1	80	<70
1,5	90R	<70
2,2	90R	<70
3	100R	<70
4	112R	<70
5,5	132R	<70
7,5	132	71
11	160	71

SHOE 50 Hz 4-POLE

POWER kW	MOTOR TYPE SIZE IEC*	NOISE LpA dB
0,37	71	<70
0,55	90R	<70
0,75	90R	<70
1,1	90	<70
1,5	90	<70

SHOS-SHOD 50 Hz 4-POLE

POWER kW	MOTOR TYPE SIZE IEC	NOISE LpA dB
0,37	80	<70
0,55	80	<70
0,75	80	<70
1,1	90	<70
1,5	90	<70

*R = Reduced size of motor casing as compared to shaft extension and flange.

sho_mott-en_b_tr

AVAILABLE VOLTAGES MOTORS FOR SHO SERIES

	THREE-PHASE - 2 POLES																
	50 Hz							60 Hz								50/60 Hz	
P_N kW	3 x 220-230-240/380-400-415	3 x 380-400-415/660-690	3 x 200-208/346-360	3 x 255-265/440-460	3 x 290-300/500-525	3 x 440-460/-	3 x 500-525/-	3 x 220-230/380-400	3 x 255-265-277/440-460-480	3 x 380-400/660-690	3 x 440-460-480/-	3 x 110-115/190-200	3 x 200-208/346-360	3 x 330-346/575-600	3 x 575/-	3 x 230/400 50 Hz 3 x 265/460 60 Hz	3 x 400/690 50 Hz 3 x 460/- 60 Hz
1,1	s	o	o	o	o	o	o	s	o	o	o	o	o	o	o	o	o
1,5	s	o	o	o	o	o	o	s	o	o	o	o	o	o	o	o	o
2,2	s	o	o	o	o	o	o	s	o	o	o	o	o	o	o	o	o
3	s	o	o	o	o	o	o	s	o	o	o	o	o	o	o	o	o
4	o	s	o	o	o	o	o	s	o	o	o	o	o	o	o	o	o
5,5	o	s	o	o	o	o	o	s	o	o	o	o	o	o	o	o	o
7,5	o	s	o	o	o	o	o	s	o	o	o	o	o	o	o	o	o
9,2	o	s	o	o	o	o	o	s	o	o	o	o	o	o	o	o	o
11	o	s	o	o	o	o	o	s	o	o	o	o	o	o	o	o	o

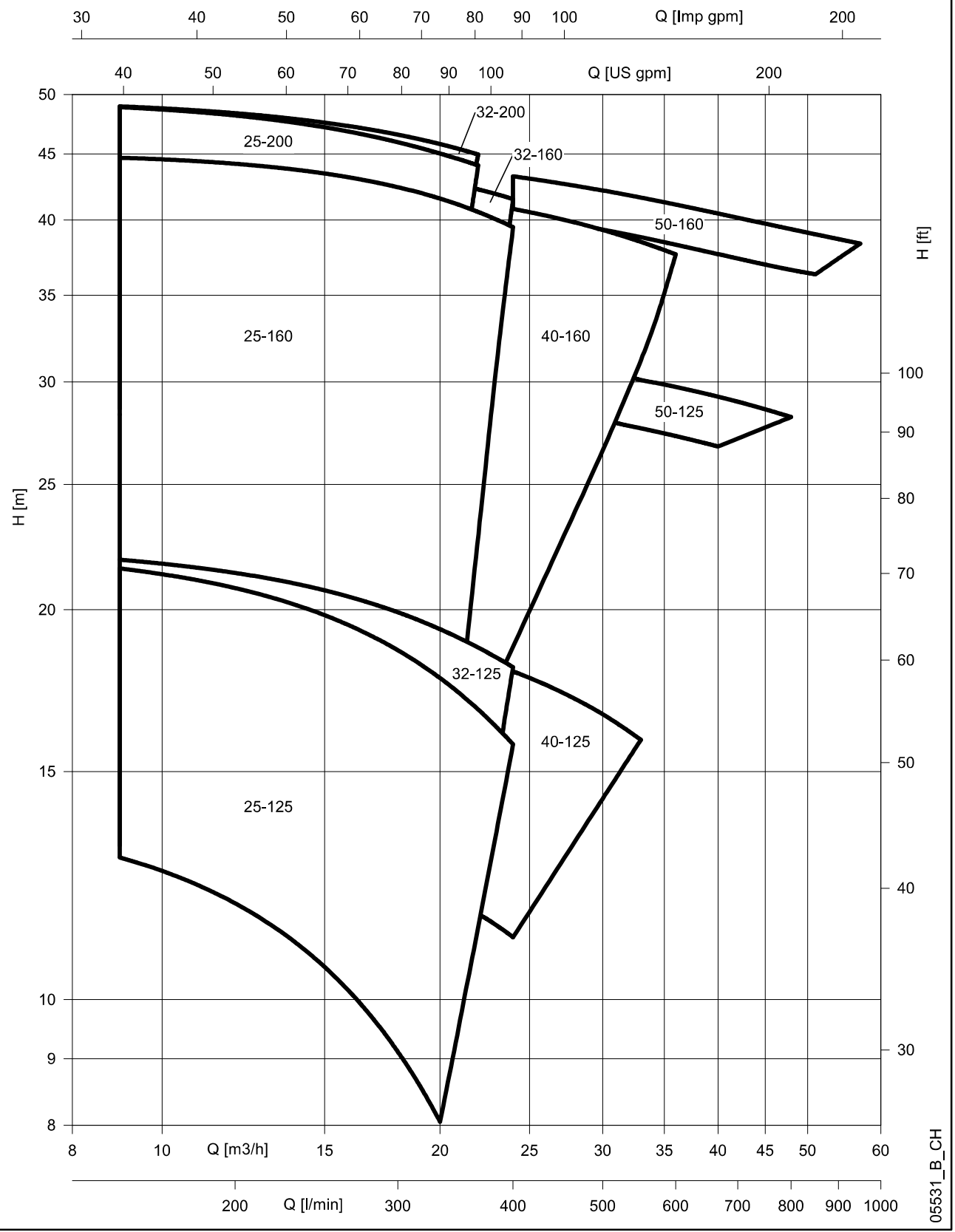
s = Standard voltage o = Optional voltage - = Not available

sho-volt-lowa-en_a_te

LOWARA
a xylem brand

SHOE - SHOS - SHOD SERIES
HYDRAULIC PERFORMANCE RANGE AT 50 Hz, 2 POLES

SHOE-SHOS-SHOD	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

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

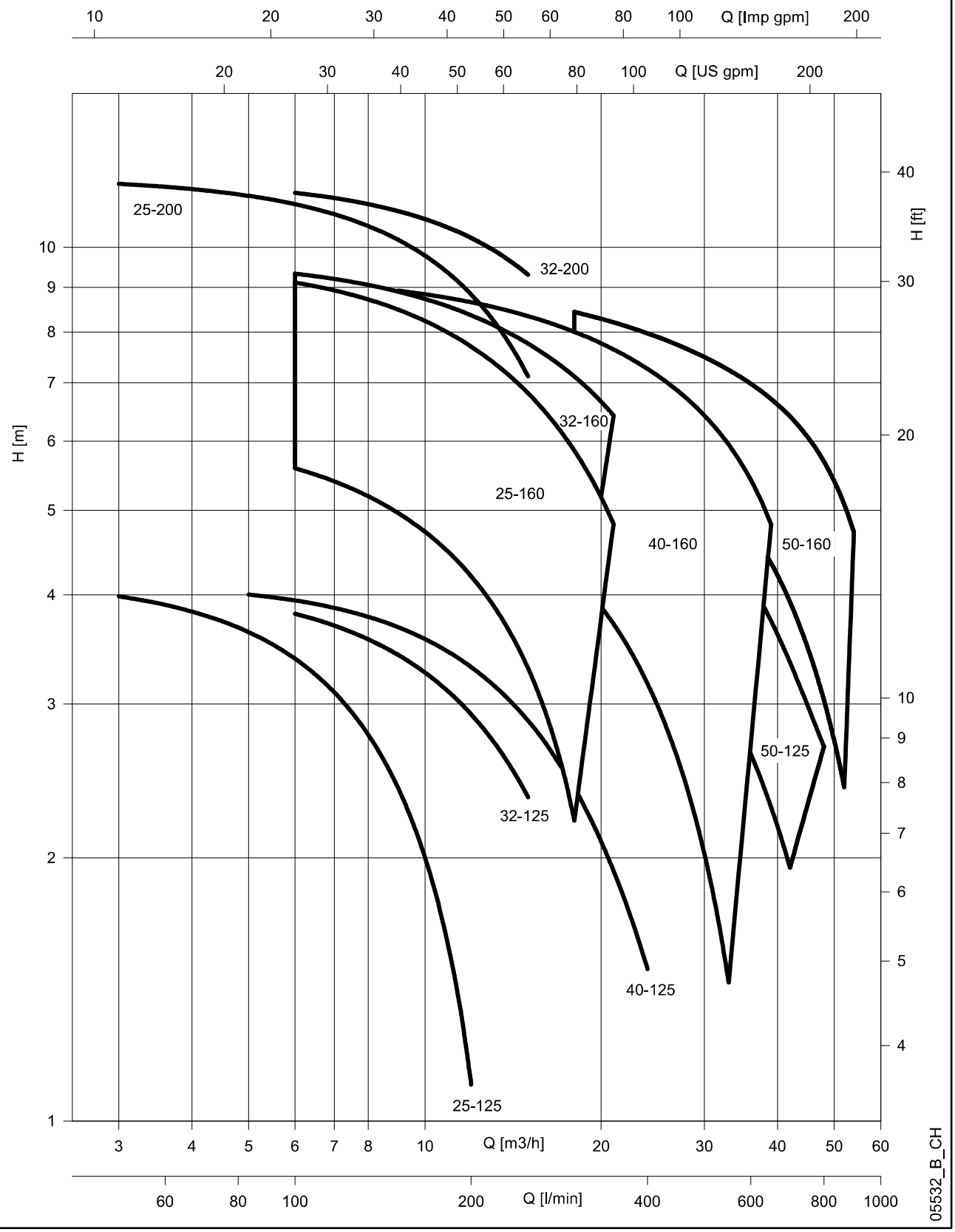
PUMP TYPE	RATED POWER		Q = DELIVERY																	Passes solids up to (mm)
	kW	HP	l/min 0	150	200	250	300	333	350	367	383	400	500	550	567	600	667	800	950	
			m^3/h 0	9	12	15	18	20	21	22	23	24	30	33	34	36	40	48	57	
			H = TOTAL HEAD METRES COLUMN OF WATER																	
SHO.. 25-125/11	1,1	1,5	14,1	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

Performance according to ISO 9906:2012 - Grade 3B (ex ISO 9906:1999 - Annex A)

LOWARA
a xylem brand

SHOE4 - SHOS4 - SHOD4 SERIES
HYDRAULIC PERFORMANCE RANGE AT 50 Hz, 4 POLES

SHOE4-SHOS4-SHOD4	~ 1450 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

SHOE4 - SHOS4 - SHOD4 SERIES
TABLE OF HYDRAULIC PERFORMANCES AT 50 Hz, 4 POLES

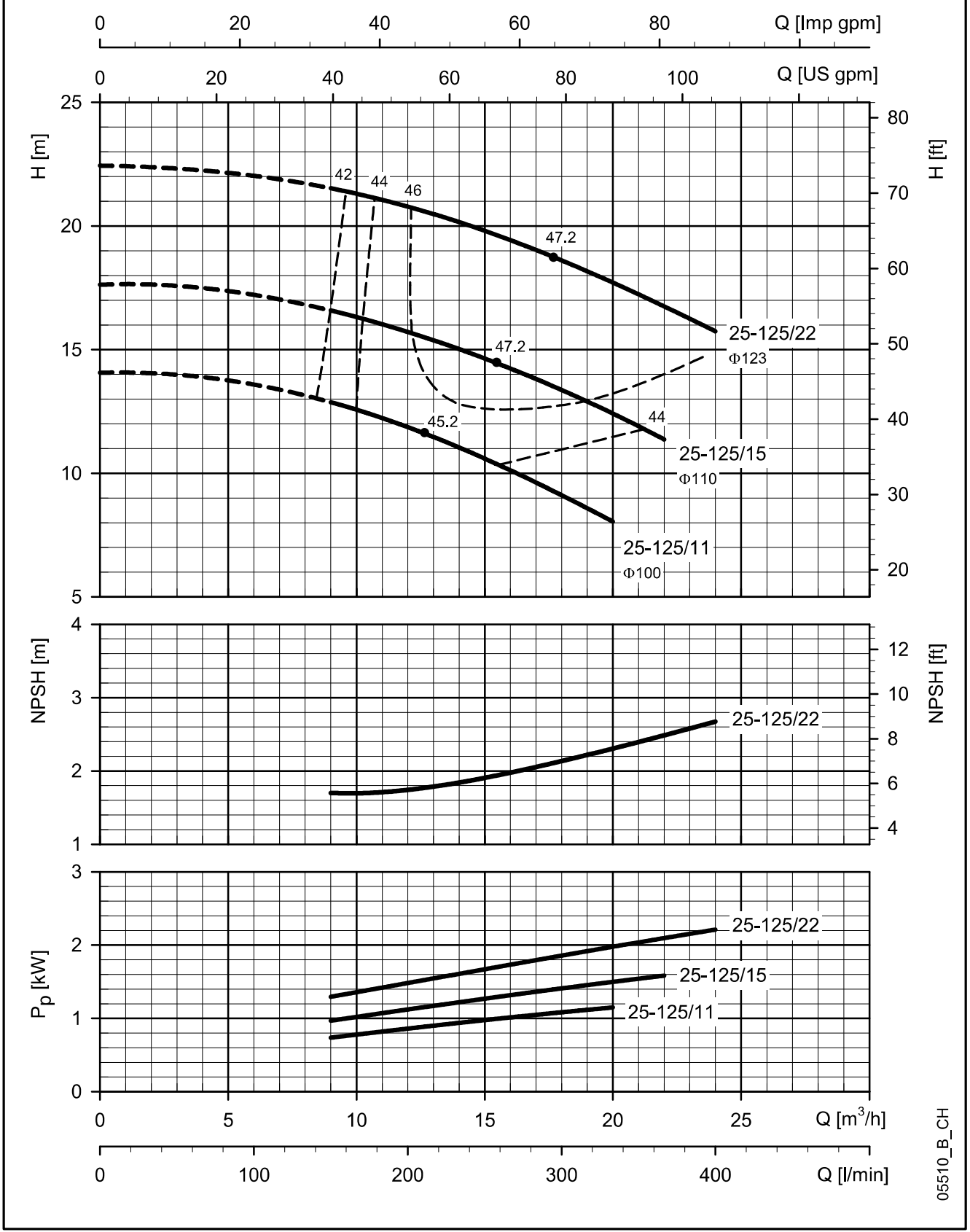
PUMP TYPE	RATED POWER		Q = DELIVERY																	Passes solids up to (mm)
	kW	HP	l/min 0	50	100	150	200	250	300	350	400	500	550	600	650	700	800	867	900	
			m^3/h 0	3	6	9	12	15	18	21	24	30	33	36	39	42	48	52	54	
			H = TOTAL HEAD METRES COLUMN OF WATER																	
SHO..4 25-125/03	0,37	0,5	4,2	4,0	3,4	2,4	1,1													22
SHO..4 25-160/03	0,37	0,5	6,1		5,6	5,0	4,2	3,3	2,2											22
SHO..4 25-160/05	0,55	0,75	7,8		7,3	6,7	6,0	5,1	4,1											22
SHO..4 25-160/07	0,75	1	9,5		9,1	8,5	7,7	6,8	5,9	4,8										22
SHO..4 25-200/07	0,75	1	12,0	11,8	11,2	10,2	8,8	7,1												20
SHO..4 32-125/03	0,37	0,5	4,2		3,8	3,4	2,9	2,3												22
SHO..4 32-160/03	0,37	0,5	6,2		5,7	5,2	4,7	4,0	3,3											22
SHO..4 32-160/05	0,55	0,75	7,8		7,5	7,0	6,5	6,0	5,3											22
SHO..4 32-160/07	0,75	1	9,5		9,3	8,9	8,4	7,8	7,1	6,4										22
SHO..4 32-200/07	0,75	1	12,0		11,5	11,0	10,2	9,3												20
SHO..4 40-125/03	0,37	0,5	3,7			3,3	3,0	2,6	2,2	1,8	1,4									30
SHO..4 40-160/05	0,55	0,75	5,9			5,4	5,1	4,7	4,2	3,7	3,2	2,0	1,4							30
SHO..4 40-160/07	0,75	1	7,5			7,0	6,7	6,3	6,0	5,5	5,1	4,0	3,4	2,8						30
SHO..4 40-160/11	1,1	1,5	9,3			8,9	8,7	8,3	8,0	7,6	7,3	6,4	5,9	5,4	4,8					30
SHO..4 50-125/07	0,75	1	5,4					4,9	4,7	4,4	4,0	3,3	3,0	2,6	2,3	1,9				40
SHO..4 50-125/11	1,1	1,5	6,5					6,2	6,1	5,8	5,6	4,9	4,5	4,1	3,7	3,3	2,7			40
SHO..4 50-160/11	1,1	1,5	7,4					6,9	6,7	6,4	6,1	5,5	5,1	4,8	4,4	3,9	3,0	2,4		40
SHO..4 50-160/15	1,5	2	9,2					8,6	8,4	8,2	8,0	7,5	7,2	7,0	6,7	6,4	5,7	5,1	4,7	40

Performance according to ISO 9906:2012 - Grade 3B (ex ISO 9906:1999 - Annex A)

LOWARA
a xylem brand

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

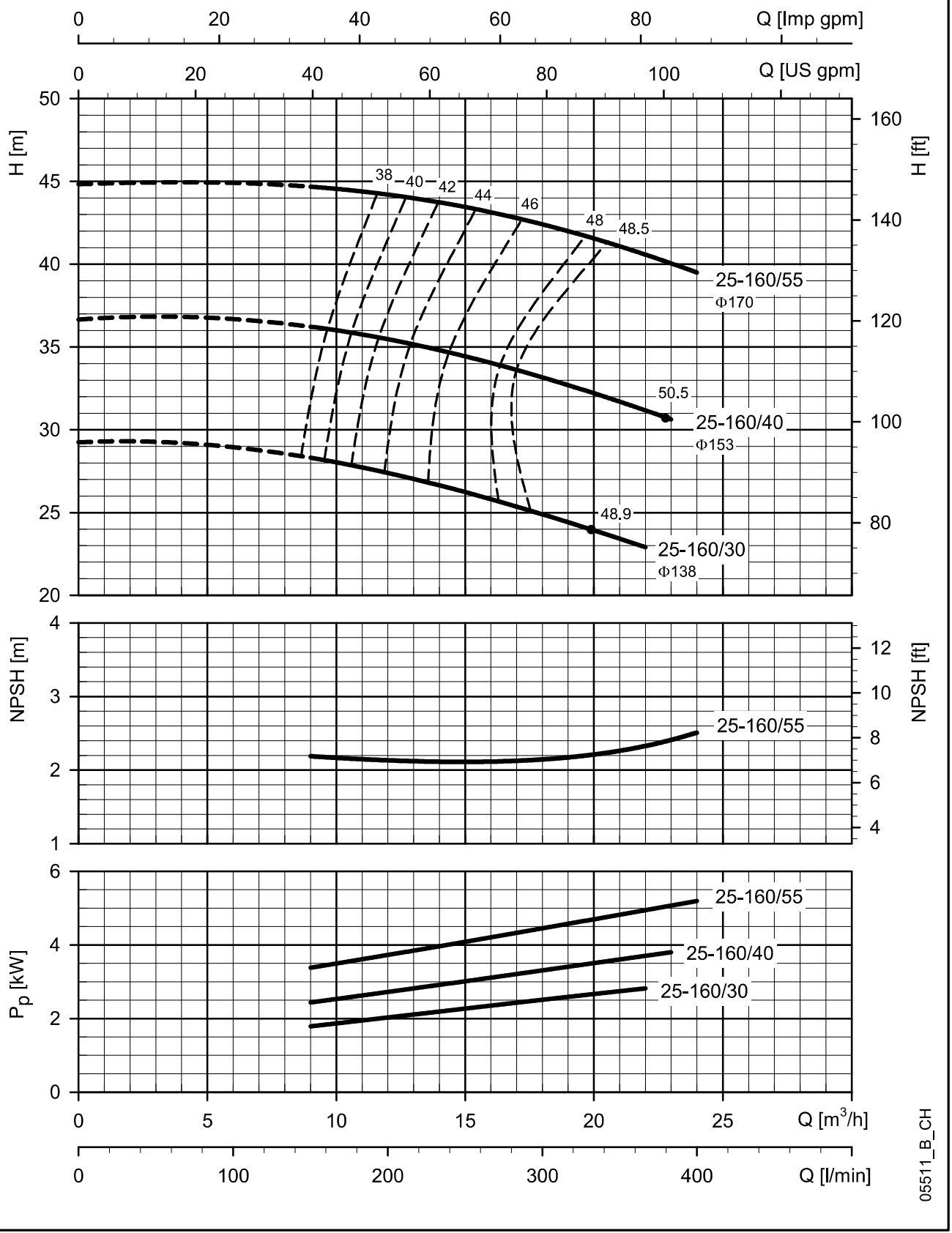
SHOE-SHOS-SHOD 25-125	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

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

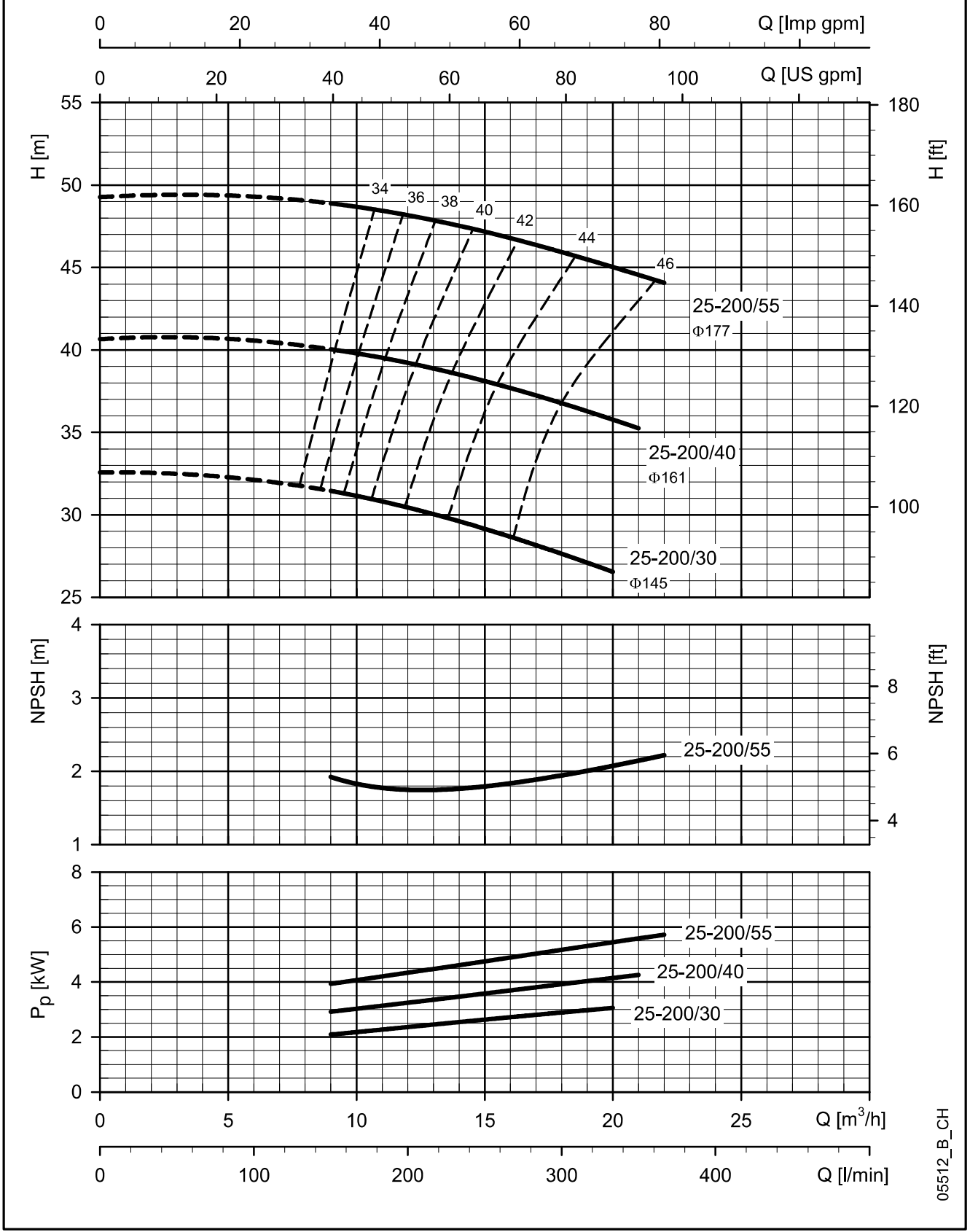
SHOE-SHOS-SHOD 25-160	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

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

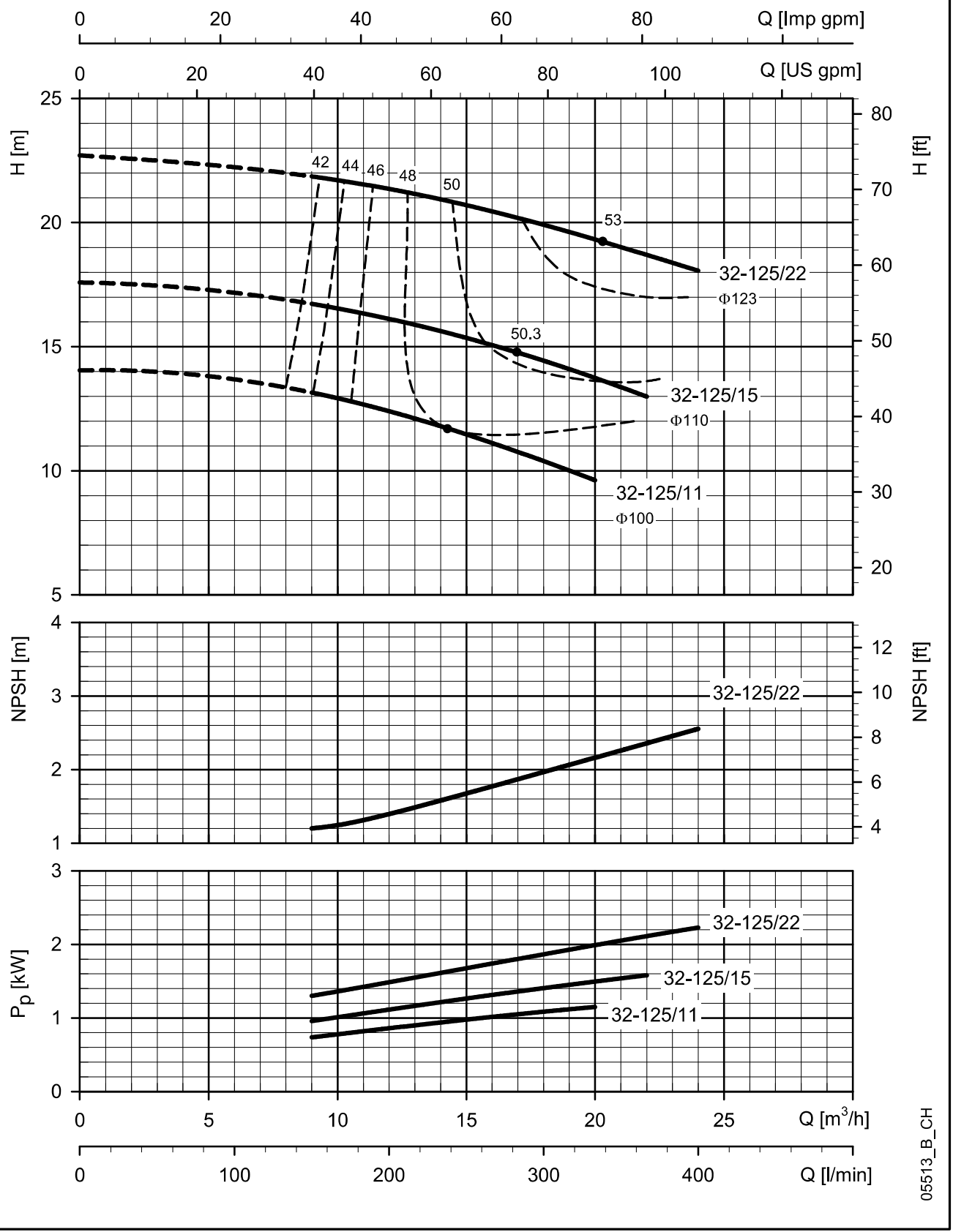
SHOE-SHOS-SHOD 25-200	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

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

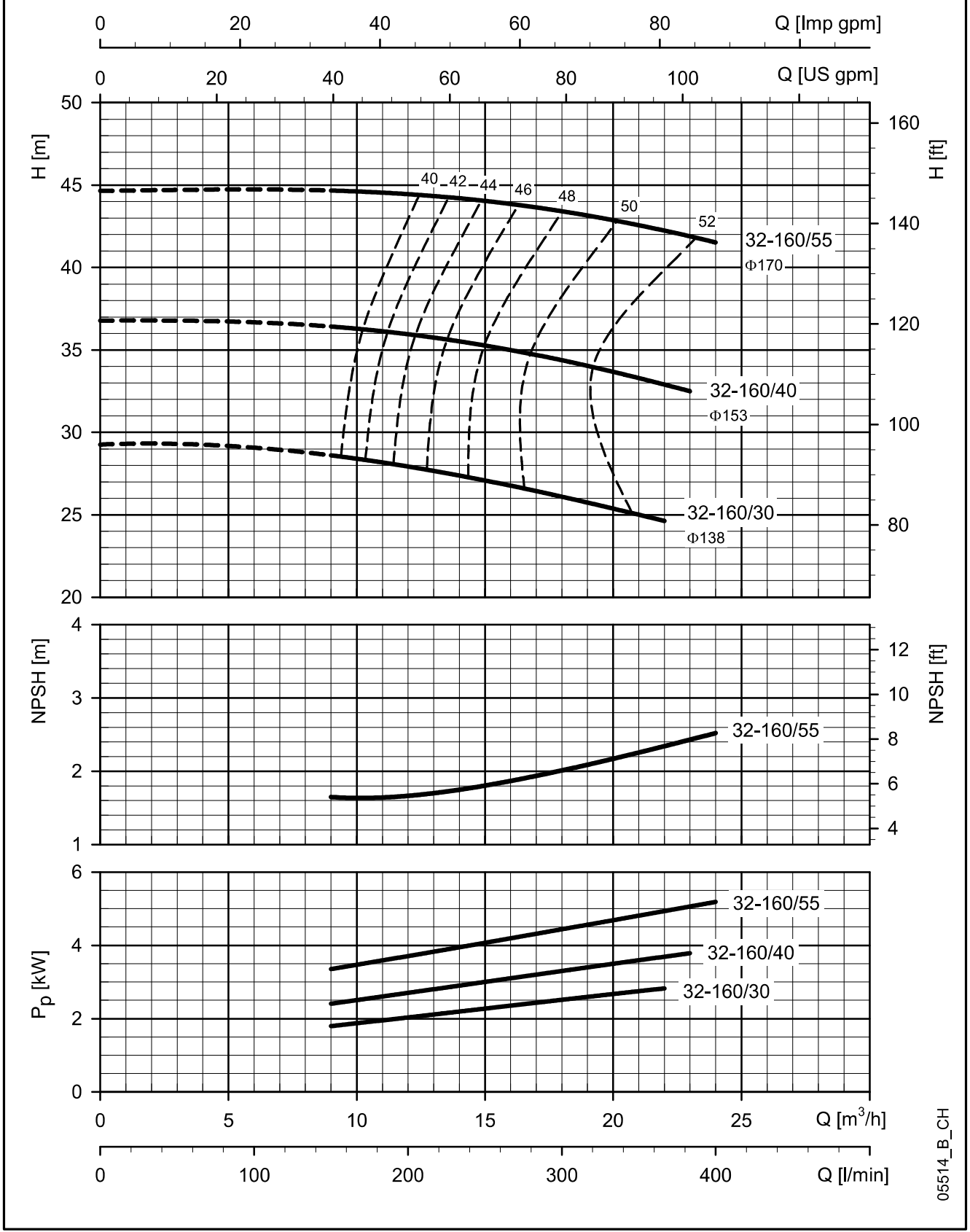
SHOE-SHOS-SHOD 32-125	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

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

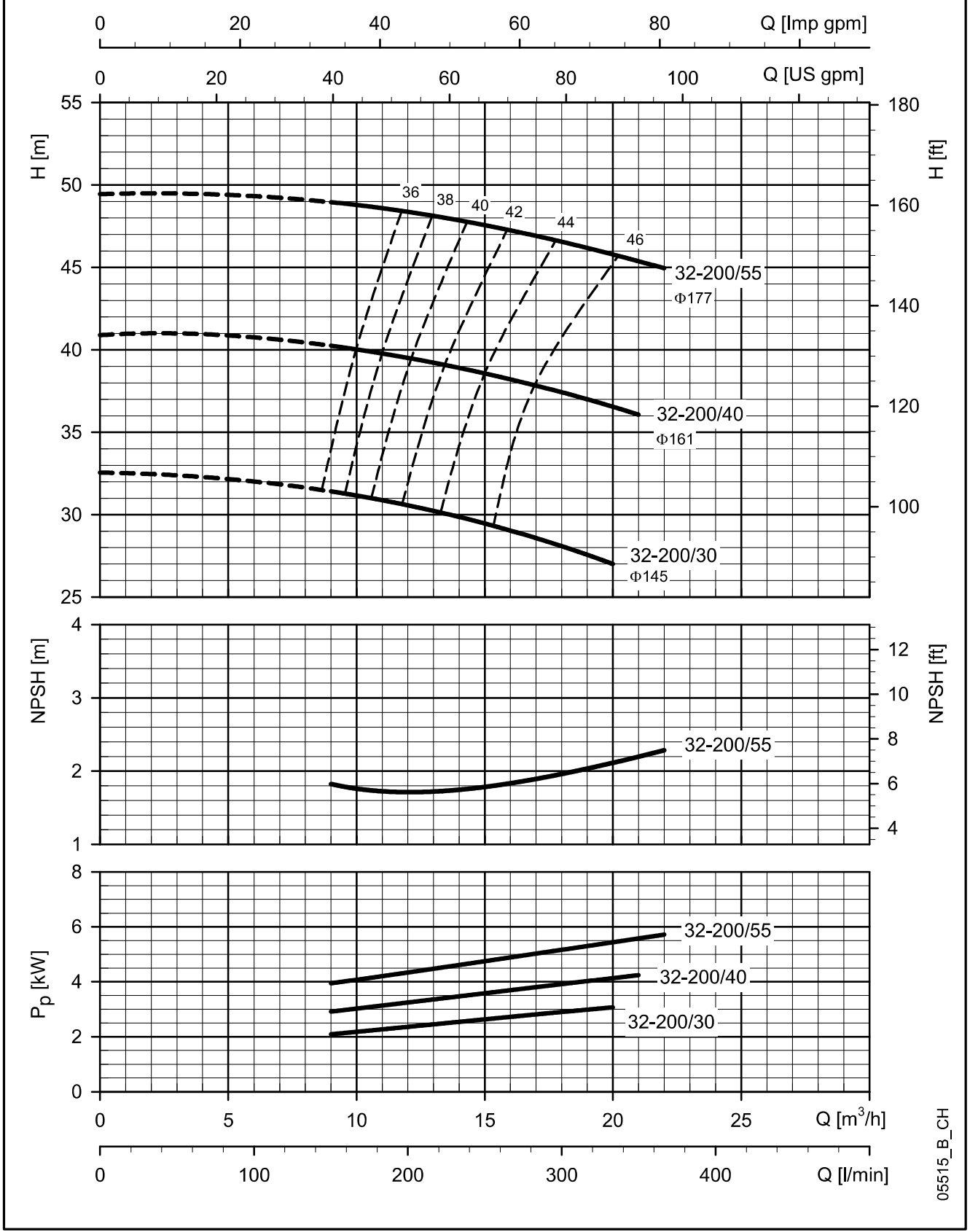
SHOE-SHOS-SHOD 32-160	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

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

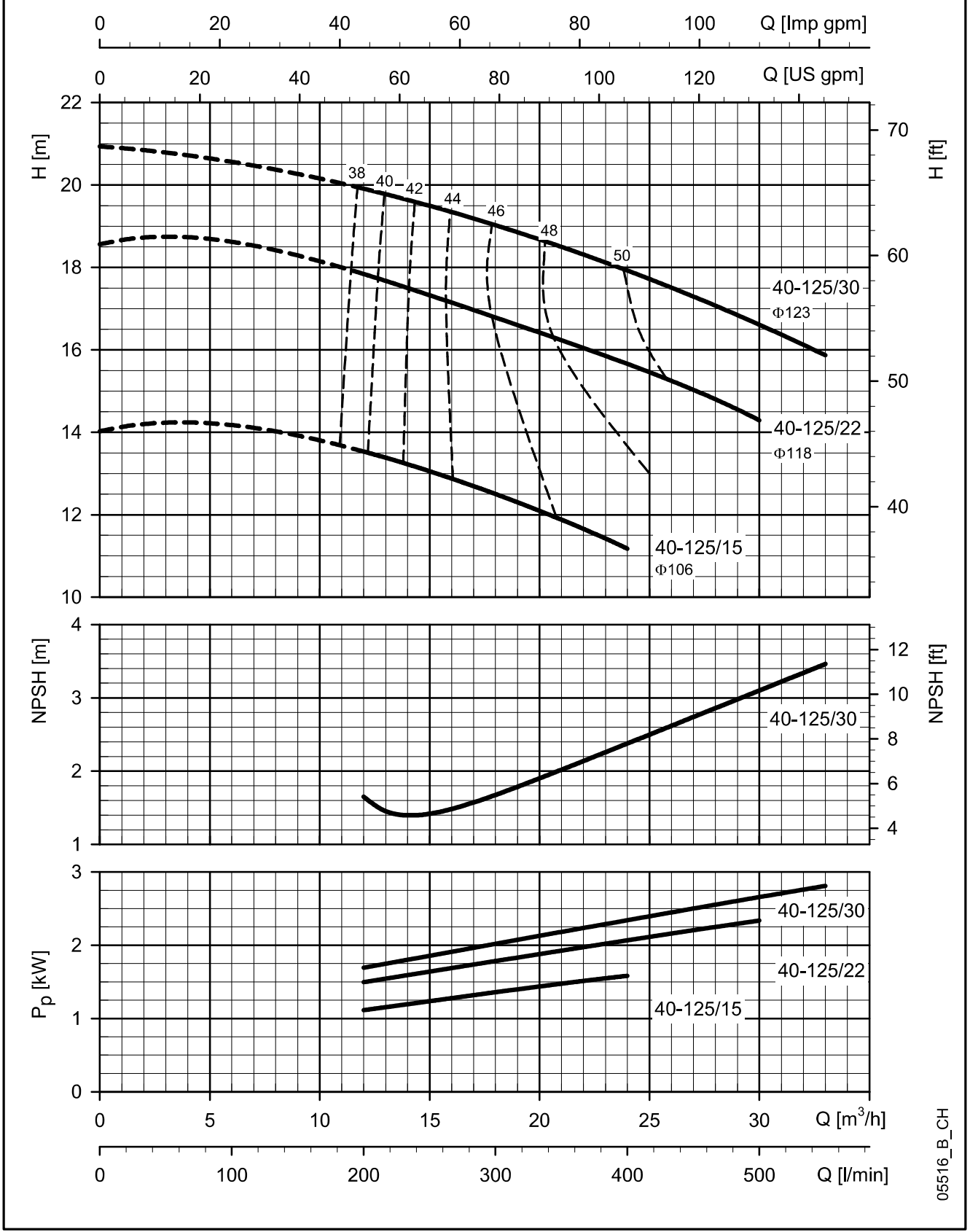
SHOE-SHOS-SHOD 32-200	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

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

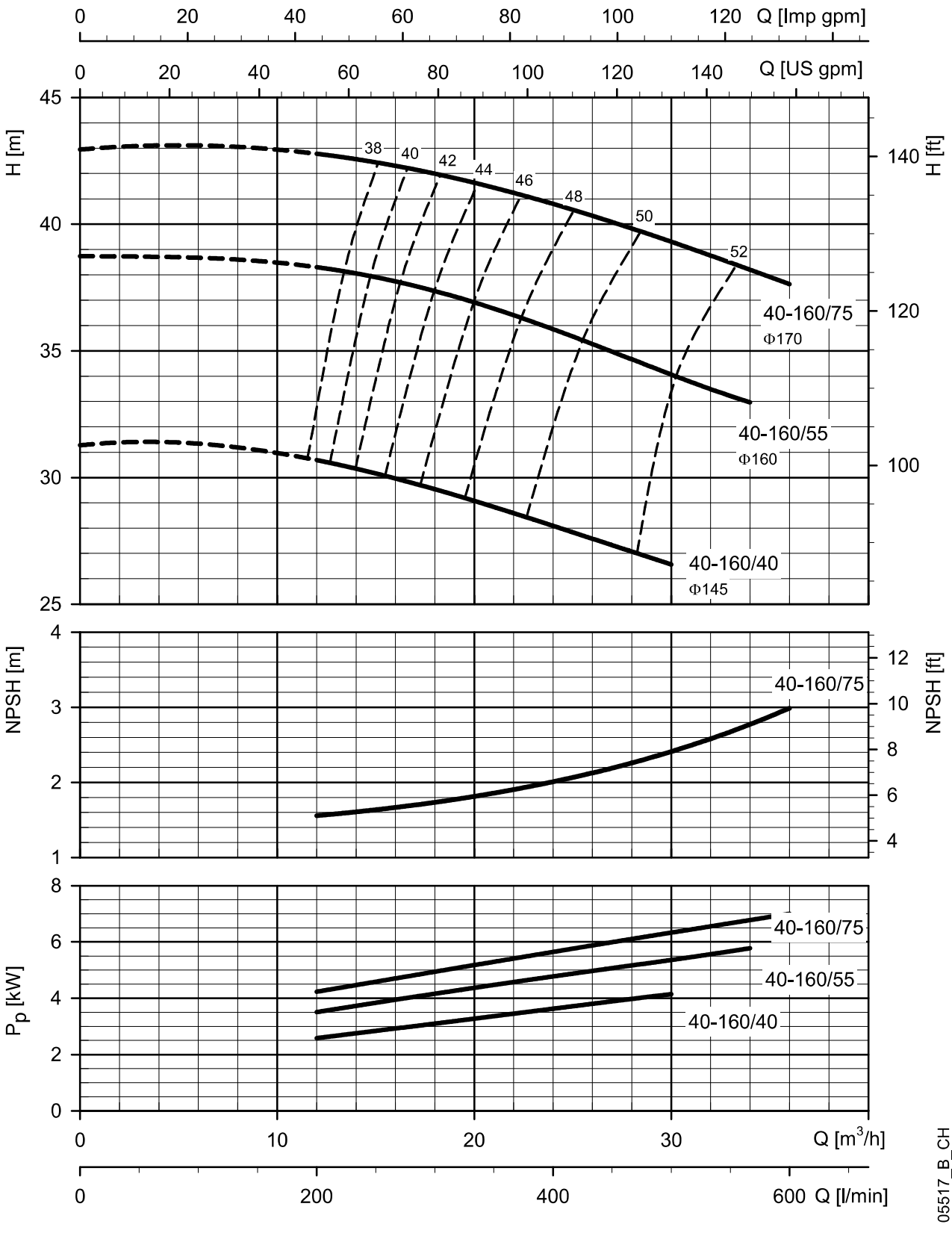
SHOE-SHOS-SHOD 40-125	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

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

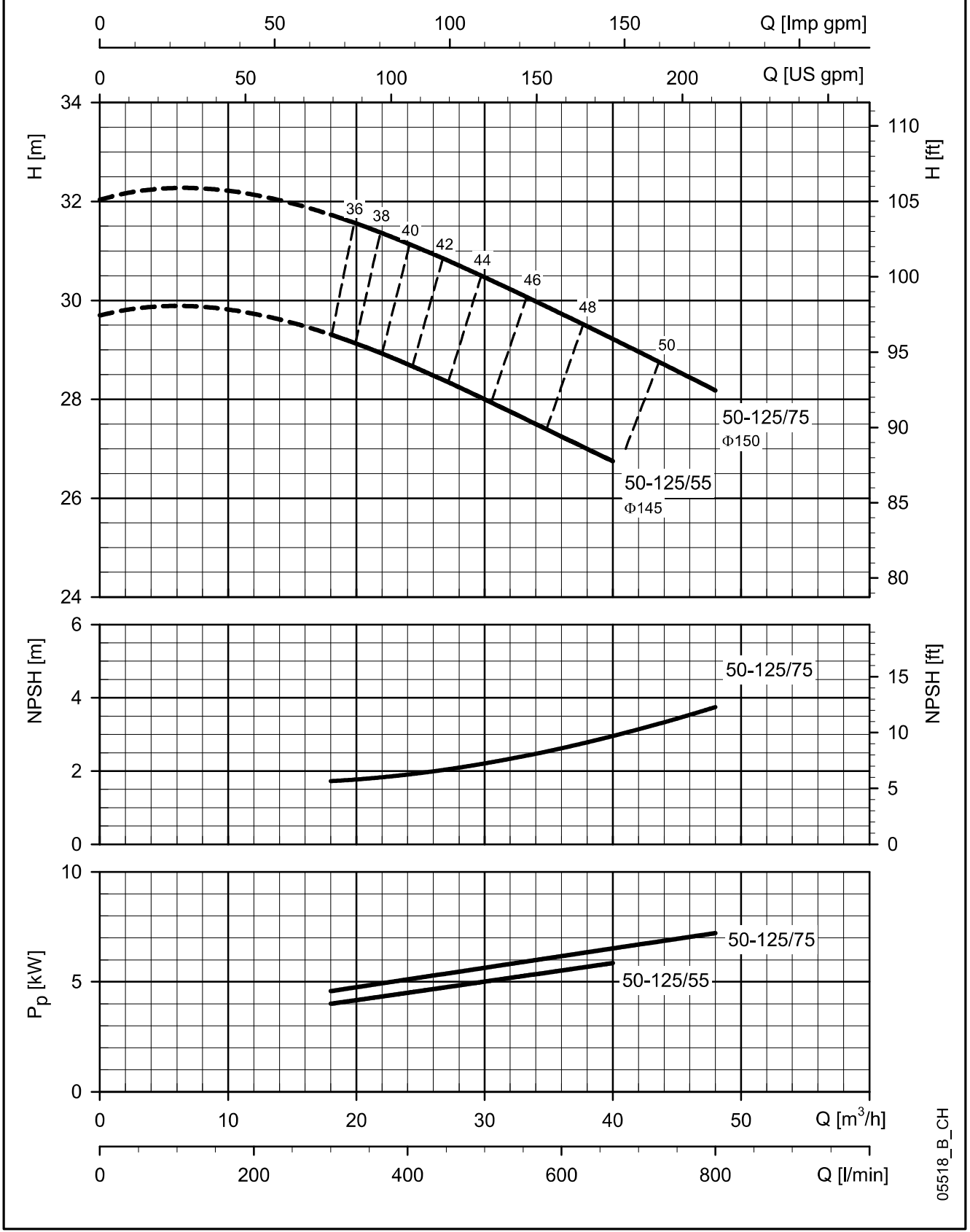
SHOE-SHOS-SHOD 40-160	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

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

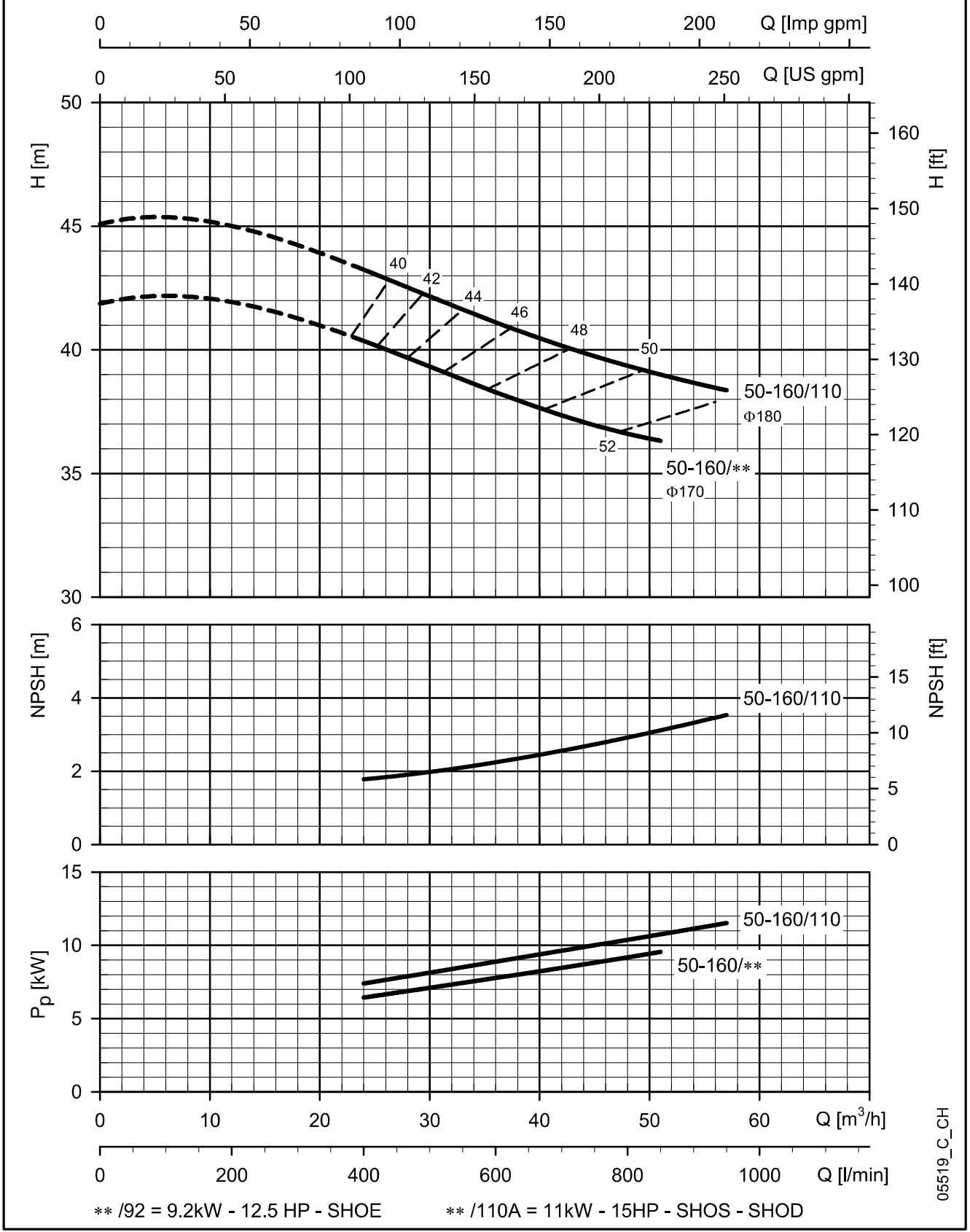
SHOE-SHOS-SHOD 50-125	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

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

SHOE-SHOS-SHOD 50-160	~ 2900 [rpm]	ISO 9906:2012 - Grade 3B

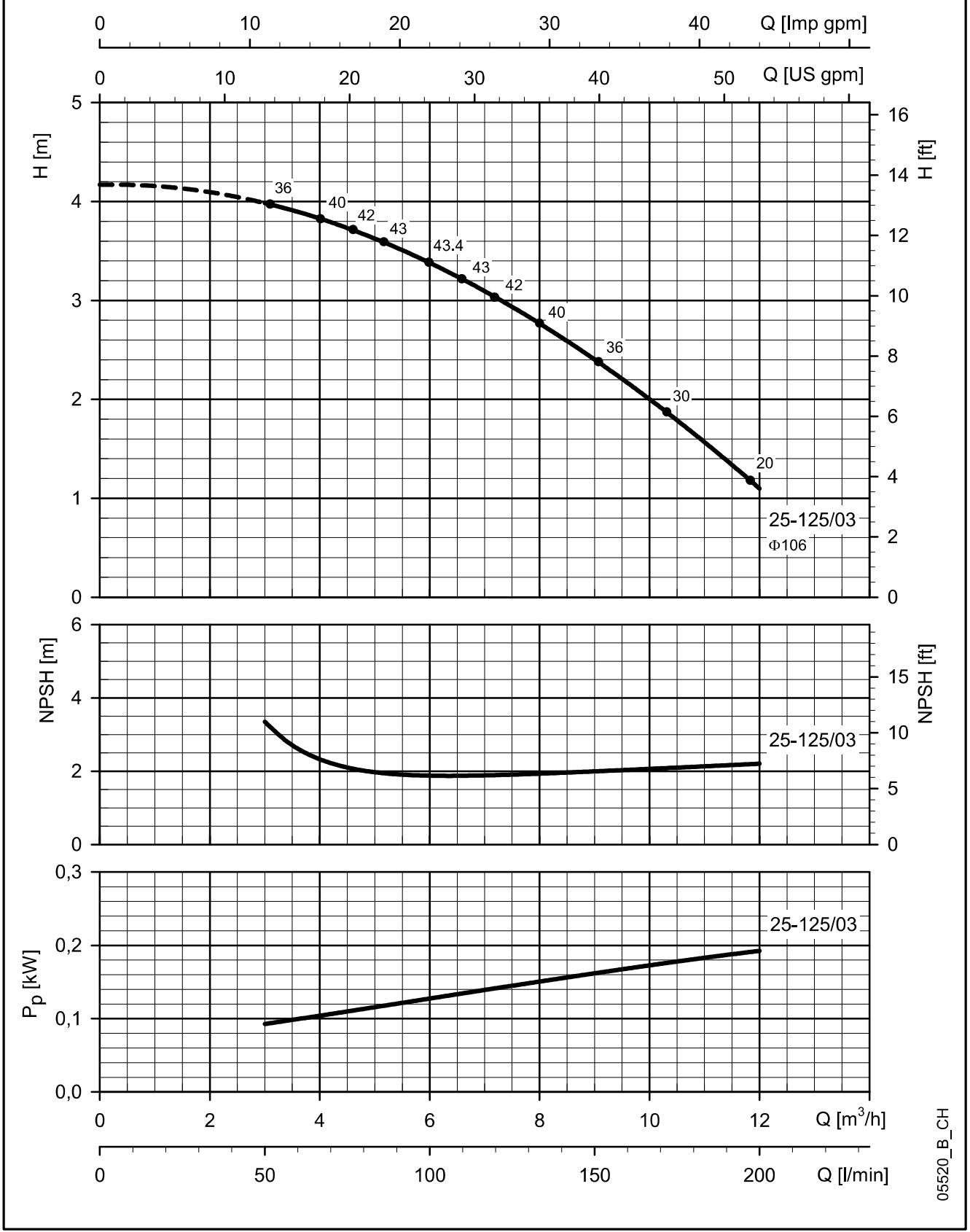


** /92 = 9.2kW - 12.5 HP - SHOE ** /110A = 11kW - 15HP - SHOS - SHOD

LOWARA
a xylem brand

SHOE4 - SHOS4 - SHOD4 SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES

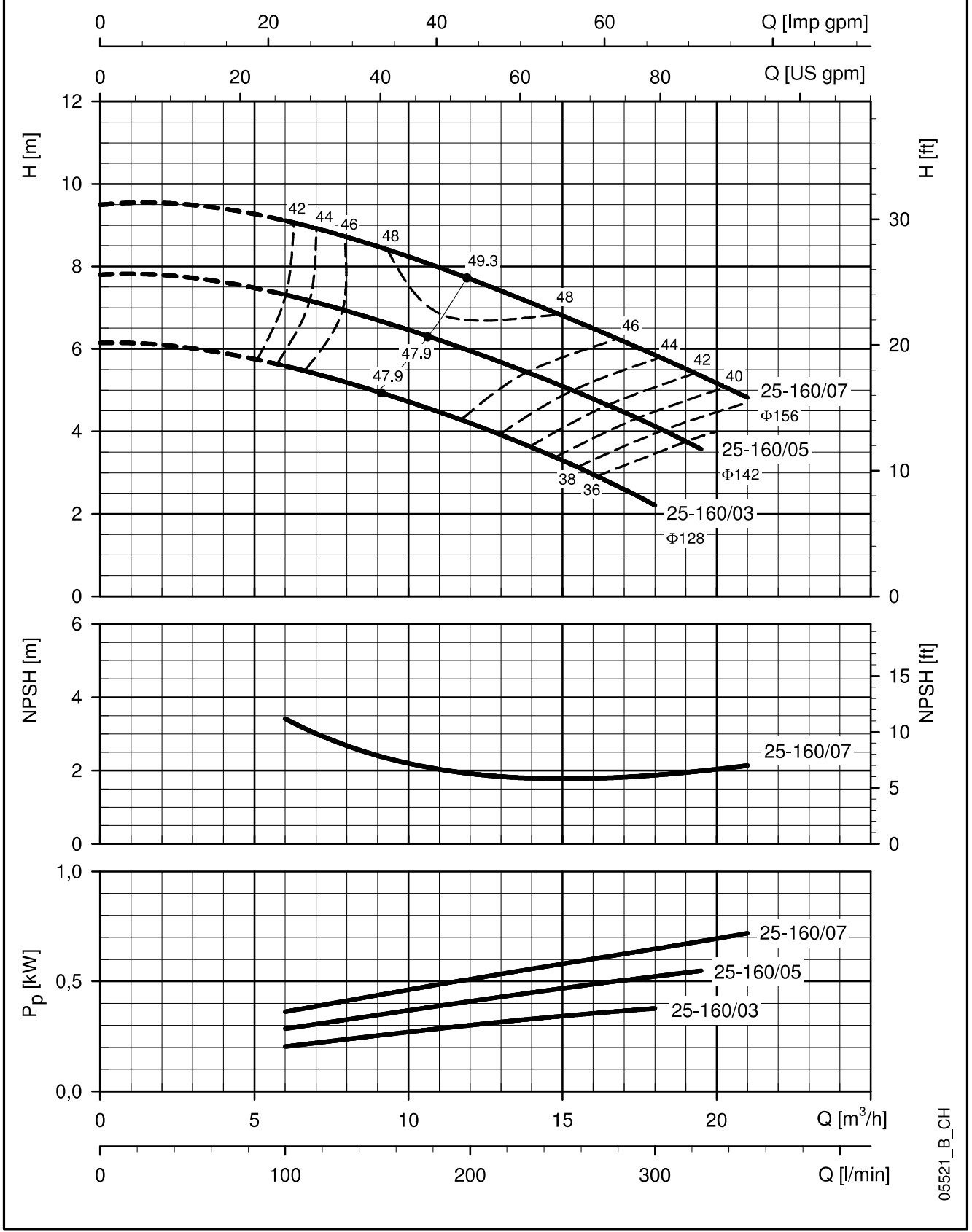
SHOE4-SHOS4-SHOD4 25-125	~ 1450 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

SHOE4 - SHOS4 - SHOD4 SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES

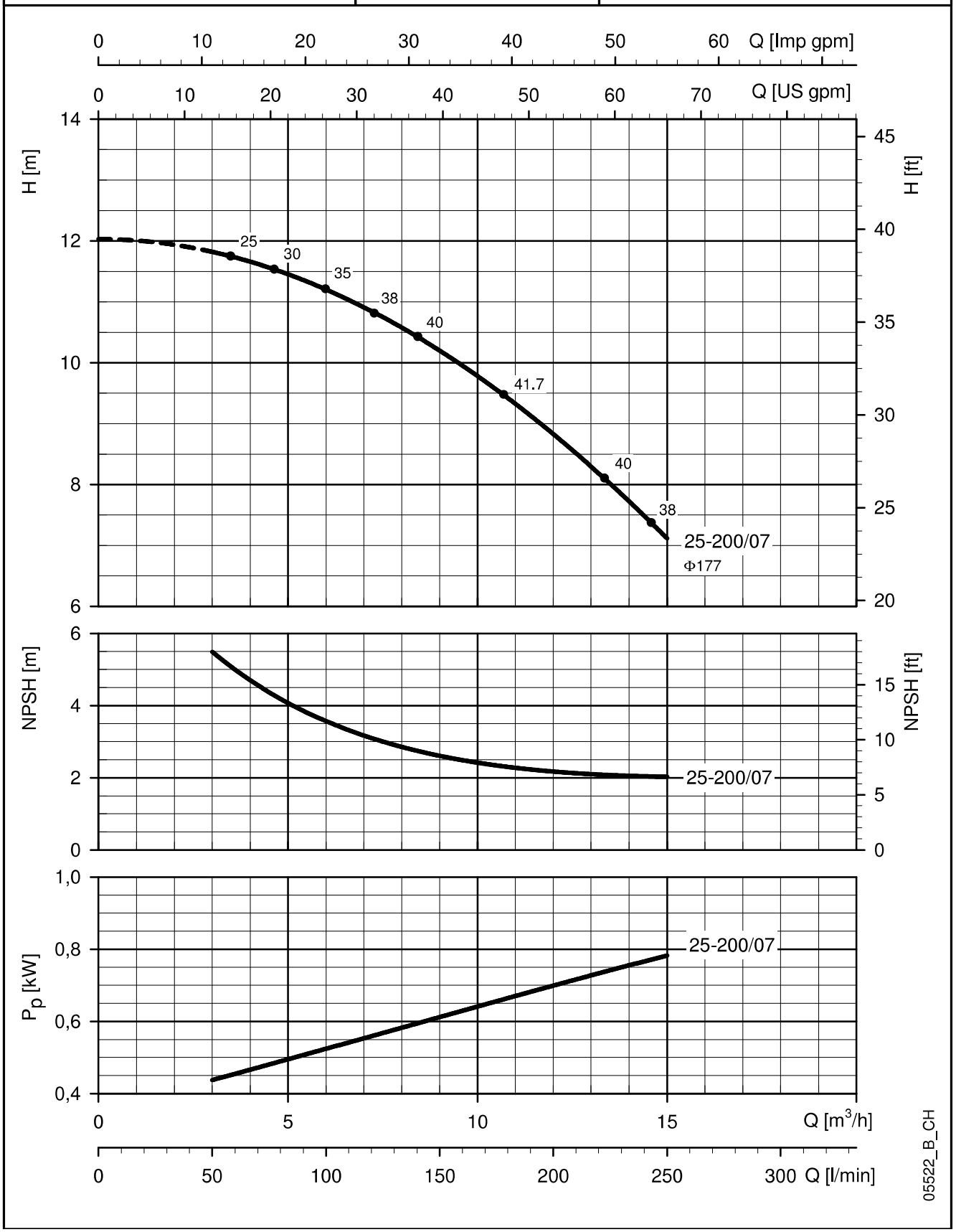
SHOE4-SHOS-SHOD4 25-160	~ 1450 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

SHOE4 - SHOS4 - SHOD4 SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES

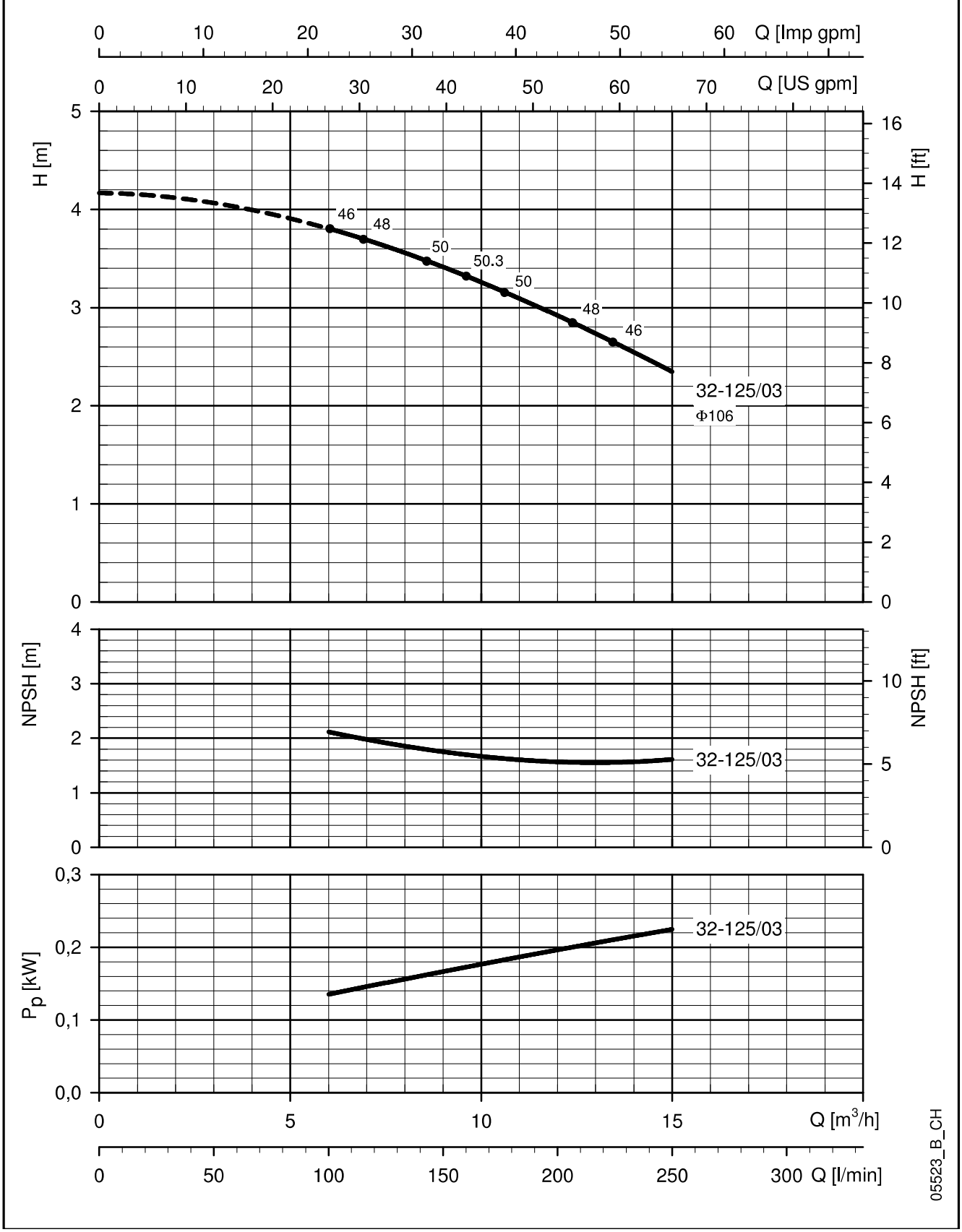
SHOE4-SHOS4-SHOD4 25-200	~ 1450 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

SHOE4 - SHOS4 - SHOD4 SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES

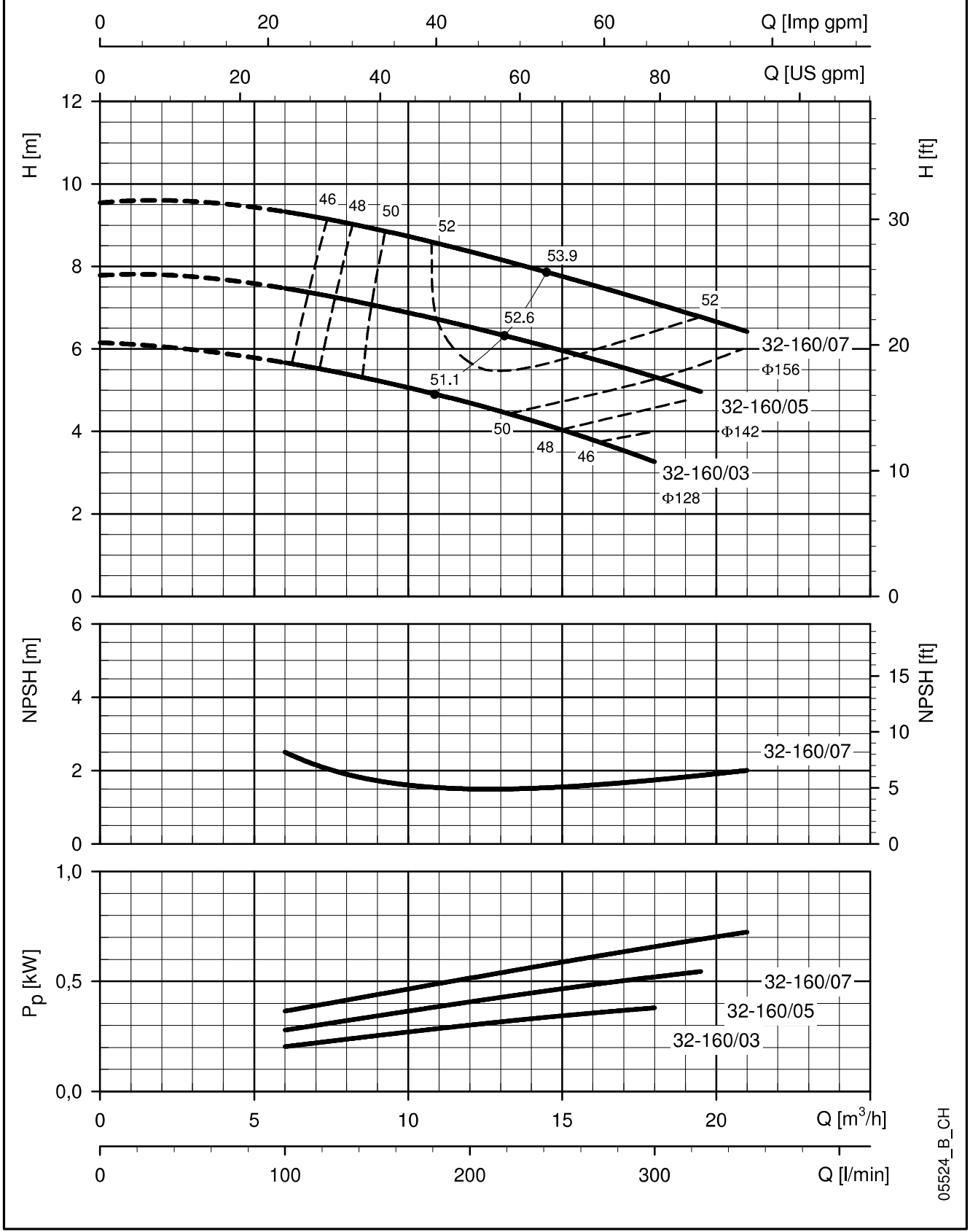
SHOE4-SHOS4-SHOD4 32-125	~ 1450 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

SHOE4 - SHOS4 - SHOD4 SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES

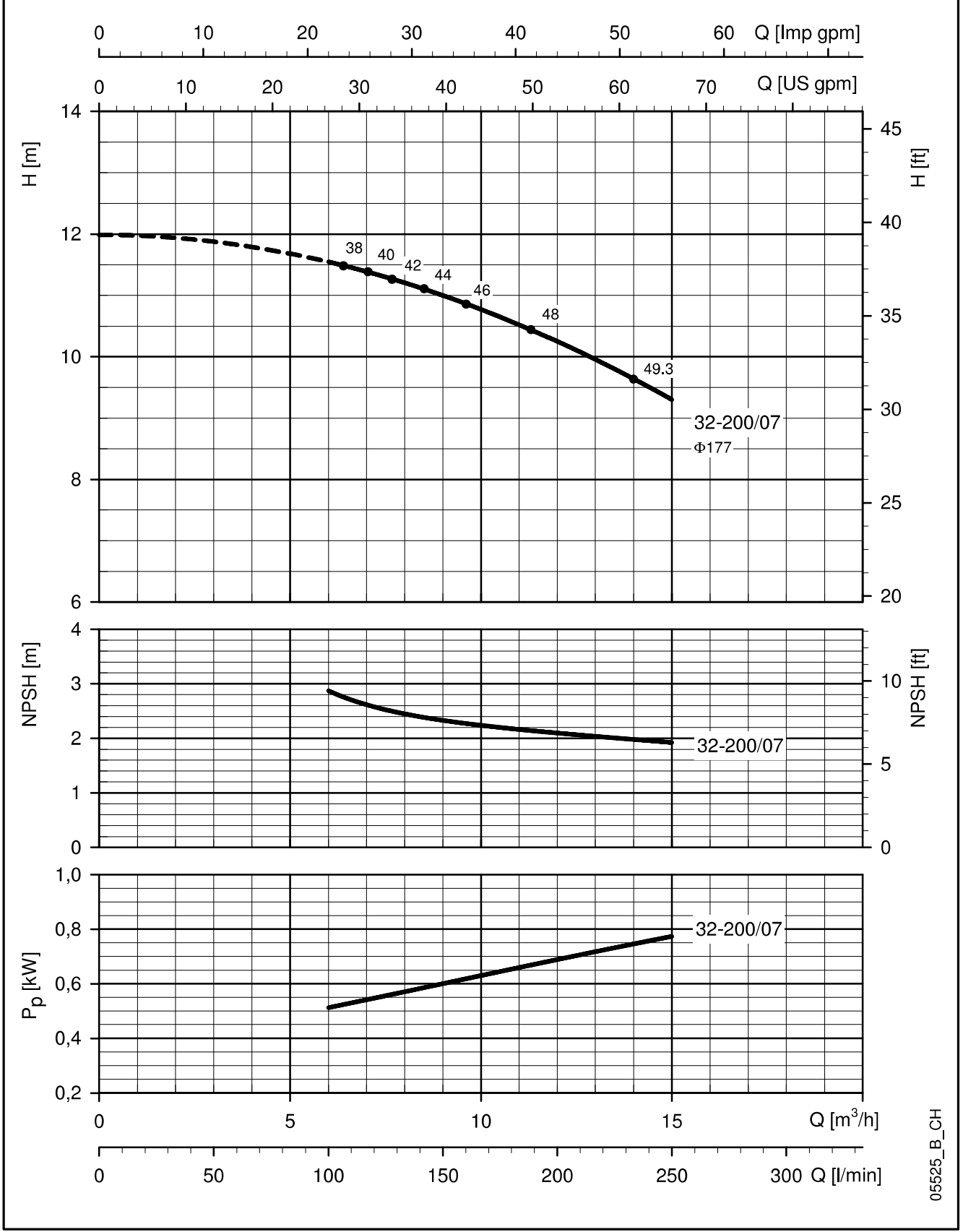
SHOE4-SHOS-SHOD4 32-160	~ 1450 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

SHOE4 - SHOS4 - SHOD4 SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES

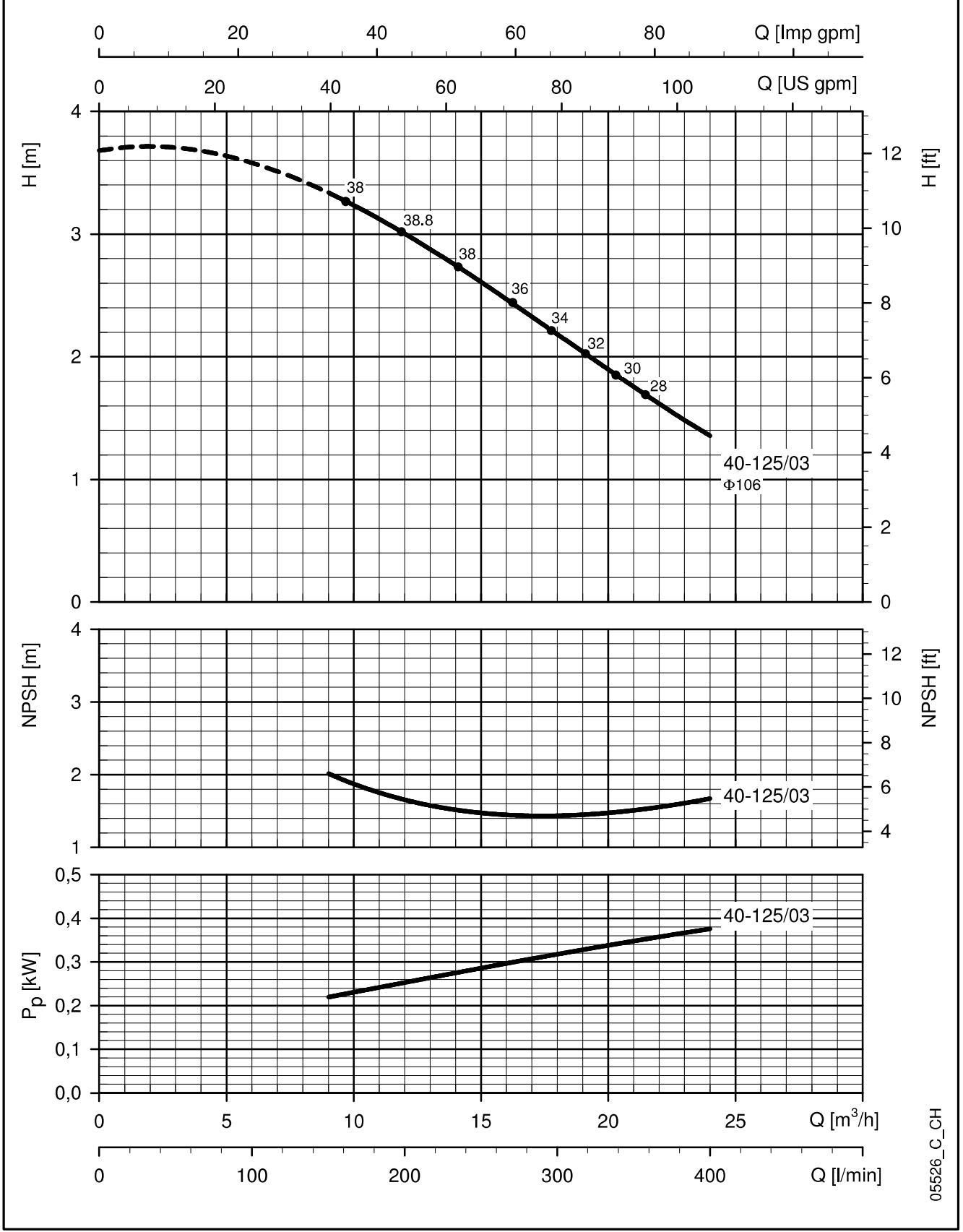
SHOE4-SHOS4-SHOD4 32-200	~ 1450 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

SHOE4 - SHOS4 - SHOD4 SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES

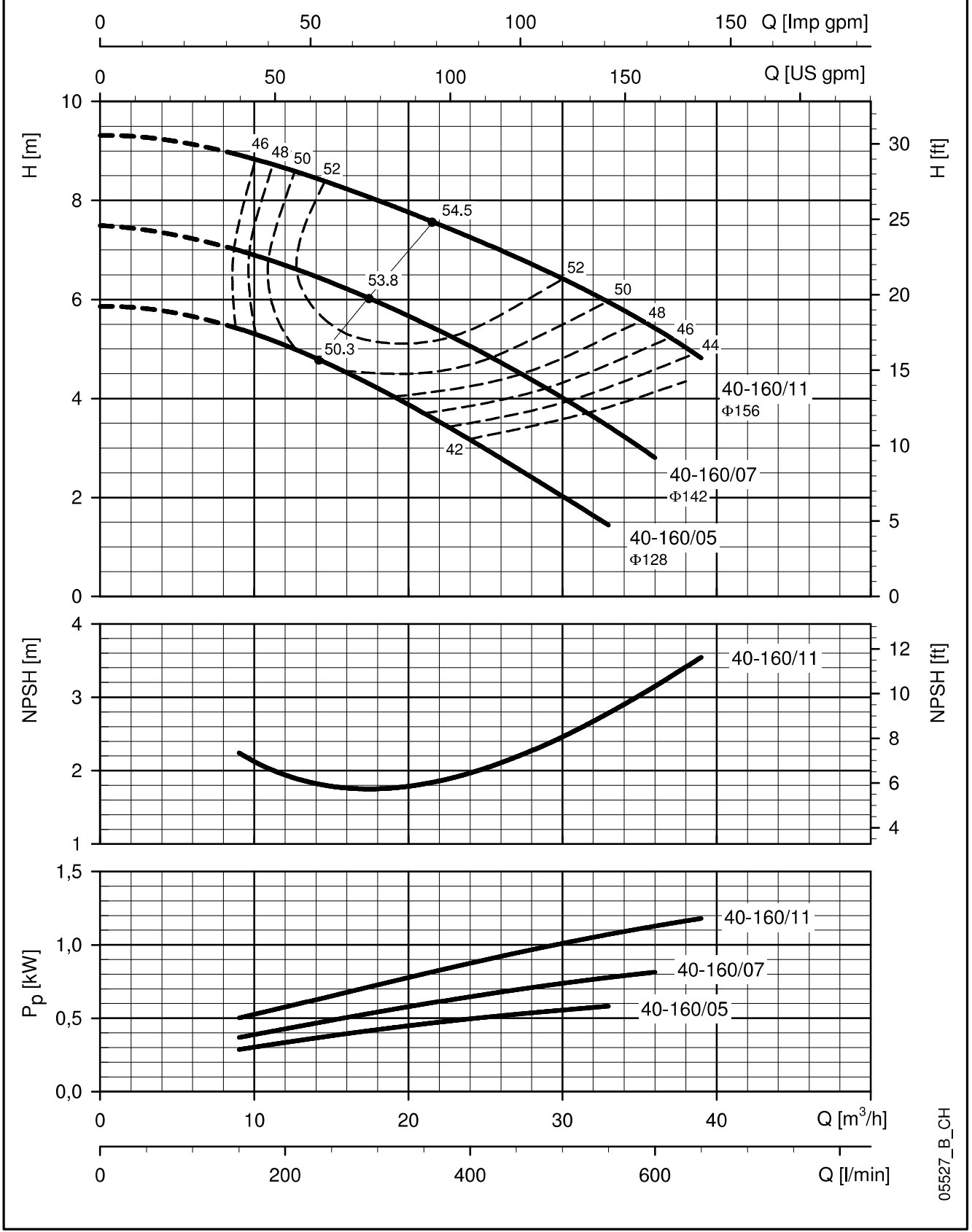
SHOE4-SHOS4-SHOD4 40-125	~ 1450 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

SHOE4 - SHOS4 - SHOD4 SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES

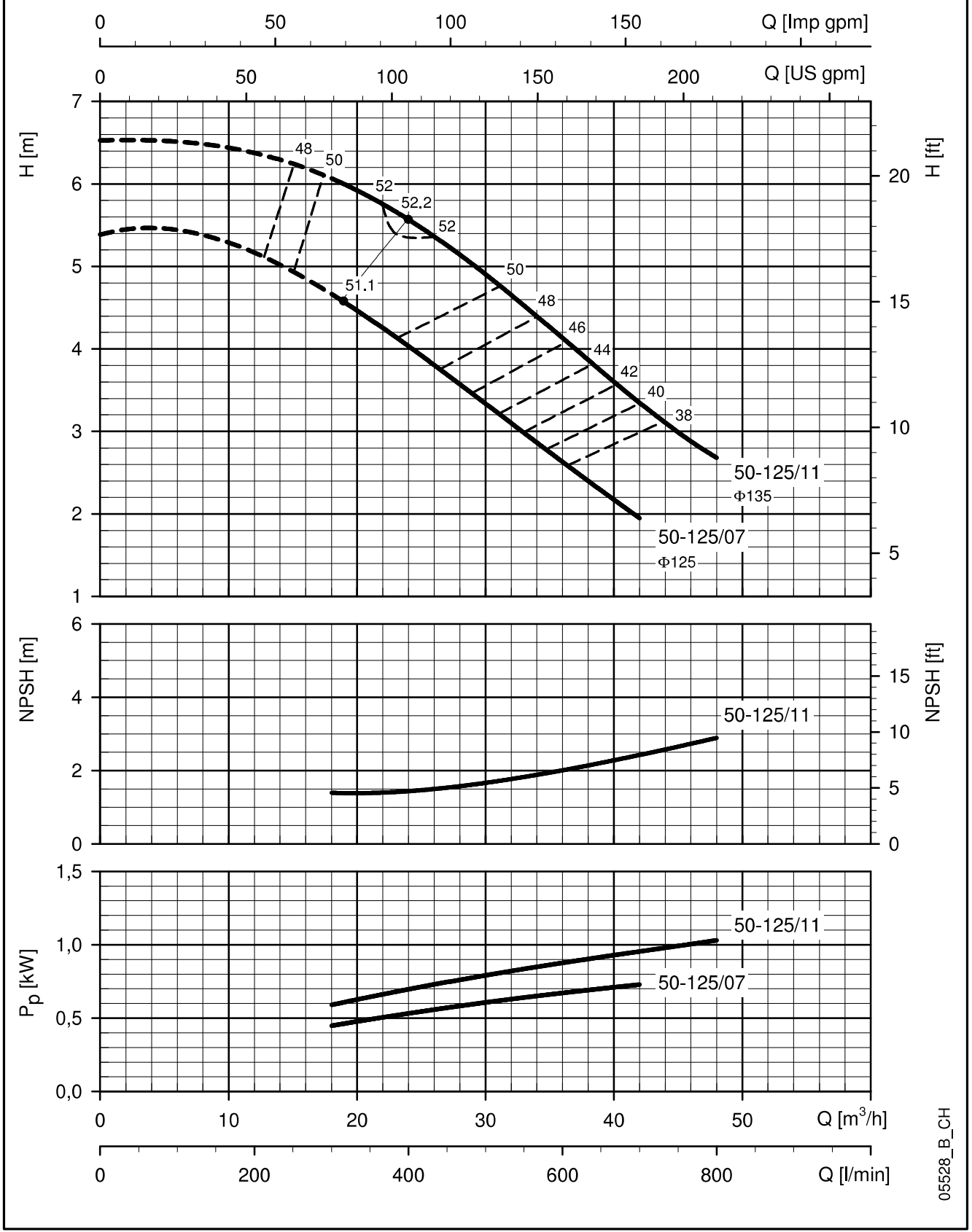
SHOE4-SHOS4-SHOD4 40-160	~ 1450 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

SHOE4 - SHOS4 - SHOD4 SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES

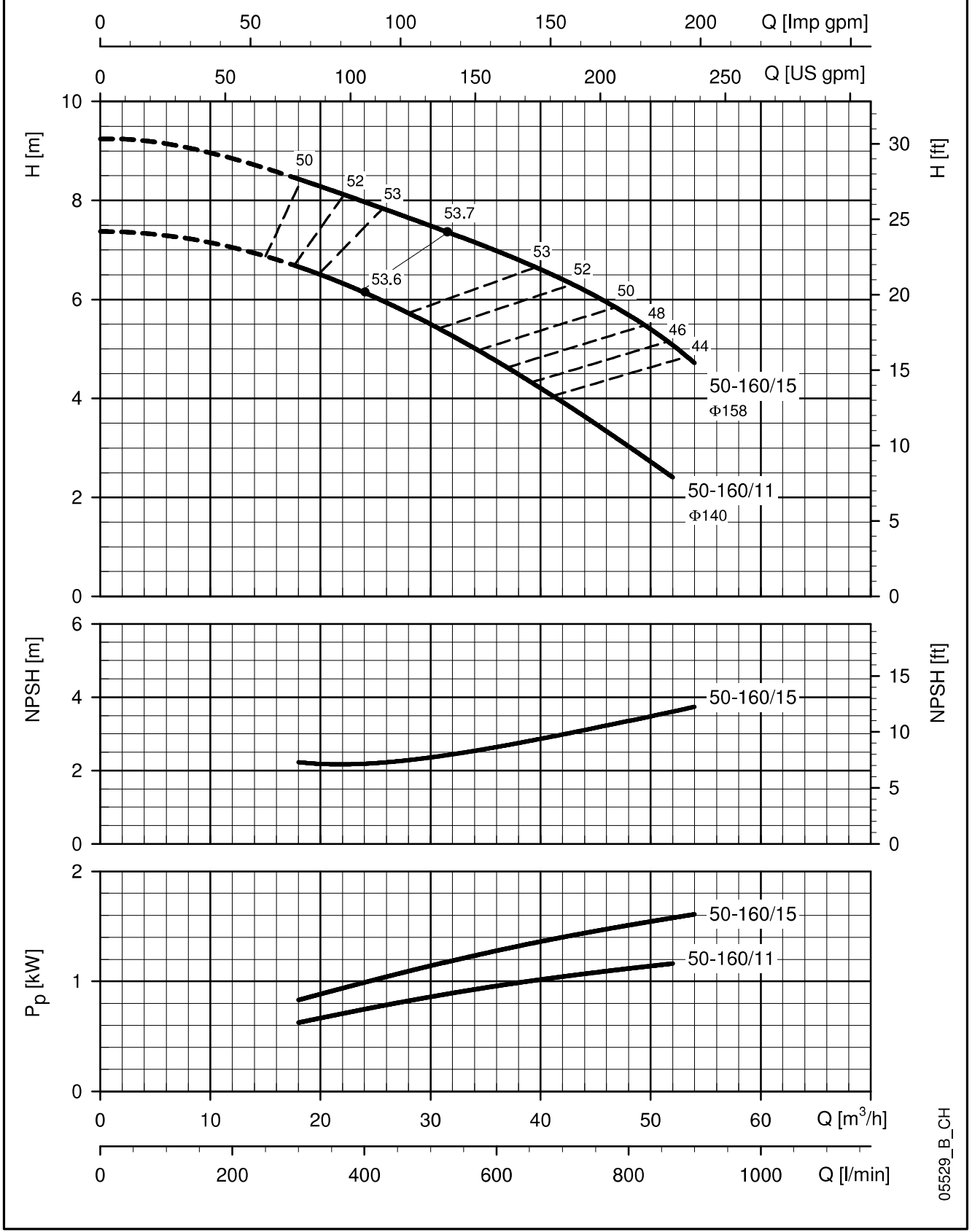
SHOE4-SHOS4-SHOD4 50-125	~ 1450 [rpm]	ISO 9906:2012 - Grade 3B



LOWARA
a xylem brand

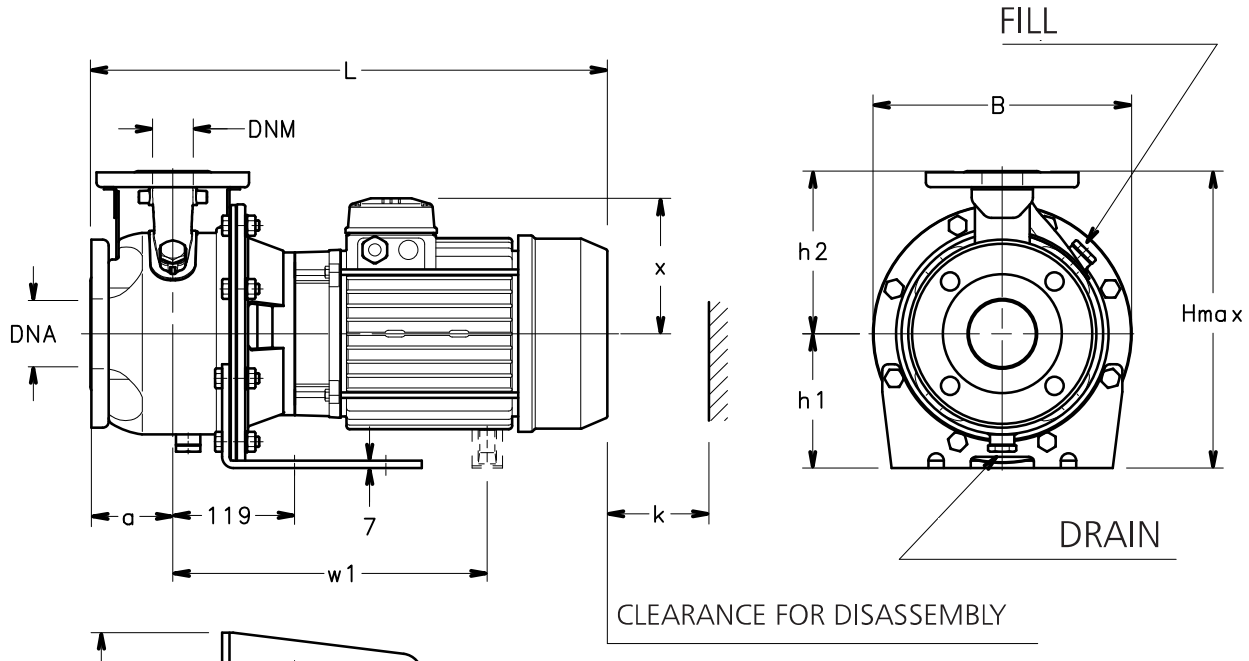
SHOE4 - SHOS4 - SHOD4 SERIES
OPERATING CHARACTERISTICS AT 50 Hz, 4 POLES

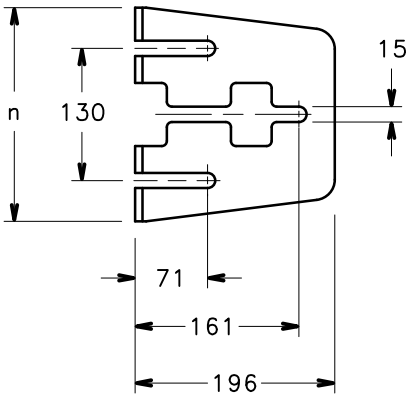
SHOE4-SHOS4-SHOD4 50-160	~ 1450 [rpm]	ISO 9906:2012 - Grade 3B

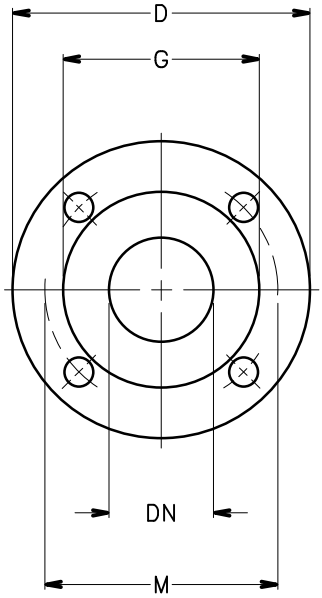


LOWARA
a xylem brand

SHOE SERIES
DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES







PUMP FLANGES

DN	D	M	G	HOLES		MAX THICK -NESS
				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

05503_A_DD

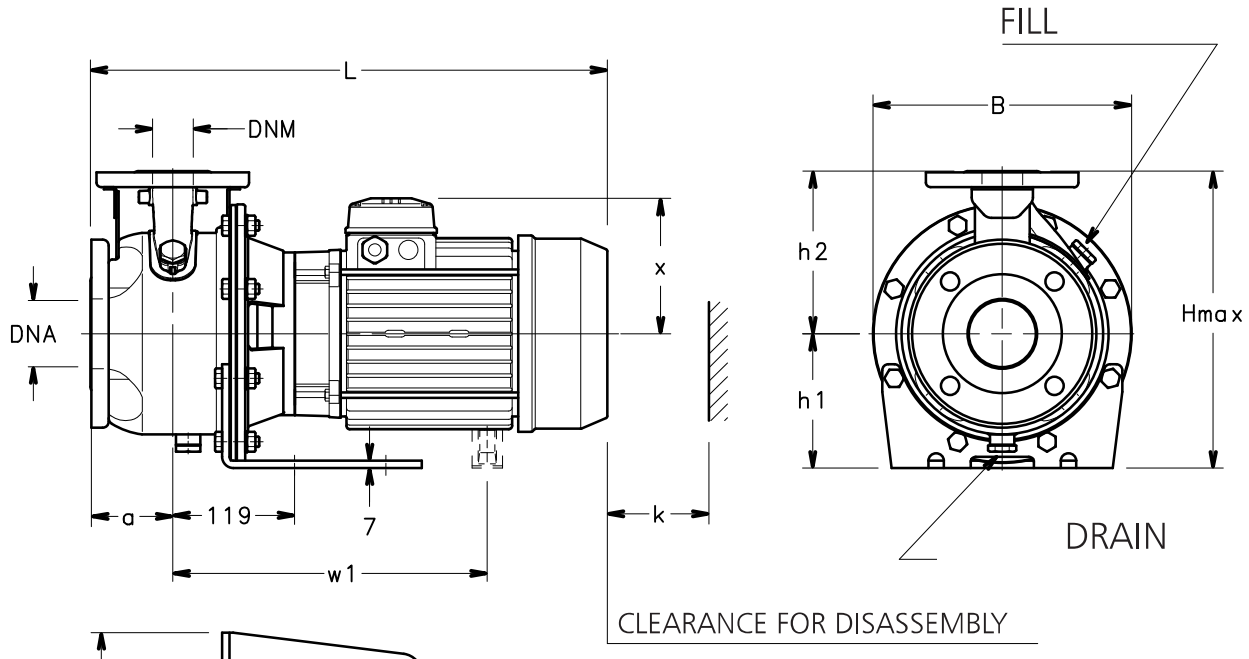
LOWARA
a xylem brand

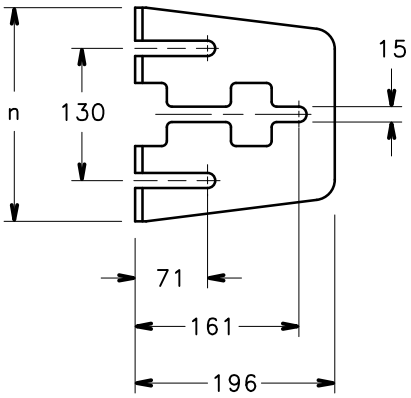
SHOE SERIES
DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

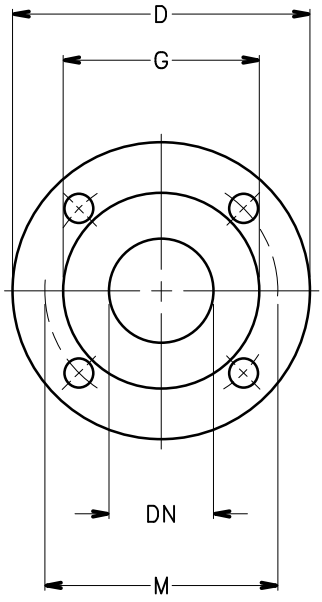
PUMP TYPE	DIMENSIONS (mm)												WEIGHT
	PUMP						SUPPORT		B	H	L	k	
	DNM	DNA	a	h2	w1	x	h1	n		max			kg
SHOE 25-125/11/D	25	50	80	140	-	129	112	190	219	252	453	98	22
SHOE 25-125/15/D	25	50	80	140	-	129	112	190	219	252	453	98	23
SHOE 25-125/22/P	25	50	80	140	-	134	112	190	219	252	488	98	28
SHOE 25-160/30/P	25	50	80	160	-	134	132	210	254	292	488	98	33
SHOE 25-160/40/P	25	50	80	160	-	154	132	210	254	292	509	98	40
SHOE 25-160/55/P	25	50	80	160	-	168	132	210	254	292	543	98	48
SHOE 25-200/30/P	25	50	80	180	-	134	160	230	284	340	488	98	36
SHOE 25-200/40/P	25	50	80	180	-	154	160	230	284	340	509	98	42
SHOE 25-200/55/P	25	50	80	180	-	168	160	230	284	340	543	98	51
SHOE 32-125/11/D	32	50	80	140	-	129	112	190	219	252	453	98	22
SHOE 32-125/15/D	32	50	80	140	-	129	112	190	219	252	453	98	23
SHOE 32-125/22/P	32	50	80	140	-	134	112	190	219	252	488	98	28
SHOE 32-160/30/P	32	50	80	160	-	134	132	210	254	292	488	98	33
SHOE 32-160/40/P	32	50	80	160	-	154	132	210	254	292	509	98	40
SHOE 32-160/55/P	32	50	80	160	-	168	132	210	254	292	543	98	48
SHOE 32-200/30/P	32	50	80	180	-	134	160	230	284	340	488	98	36
SHOE 32-200/40/P	32	50	80	180	-	154	160	230	284	340	509	98	42
SHOE 32-200/55/P	32	50	80	180	-	168	160	230	284	340	543	98	51
SHOE 40-125/15/D	40	65	80	140	-	129	112	190	219	252	463	100	24
SHOE 40-125/22/P	40	65	80	140	-	134	112	190	219	252	498	100	29
SHOE 40-125/30/P	40	65	80	140	-	134	112	190	219	252	498	100	32
SHOE 40-160/40/P	40	65	80	160	-	154	132	210	254	292	519	100	41
SHOE 40-160/55/P	40	65	80	160	-	168	132	210	254	300	553	100	49
SHOE 40-160/75/P	40	65	80	160	-	191	132	210	254	323	567	100	64
SHOE 50-125/55/P	50	65	100	160	-	168	132	210	254	300	573	104	49
SHOE 50-125/75/P	50	65	100	160	-	191	132	210	254	323	587	104	65
SHOE 50-160/92/P	50	65	100	180	363	191	160	210	254	351	625	104	60
SHOE 50-160/110/P	50	65	100	180	363	191	160	210	254	351	625	104	63

LOWARA
a xylem brand

SHOE4 SERIES
DIMENSIONS AND WEIGHTS AT 50 Hz, 4 POLES







PUMP FLANGES

DN	D	M	G	HOLES		MAX THICK -NESS
				Nº	DIA.	
25	115	85	56	4	18	
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

05503_A_DD

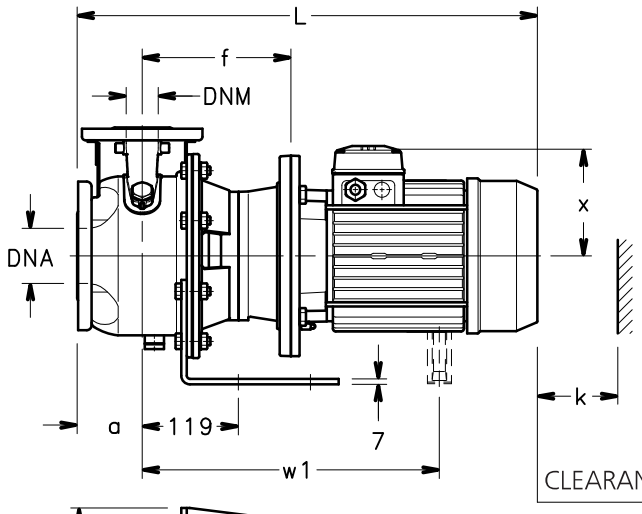
LOWARA
a xylem brand

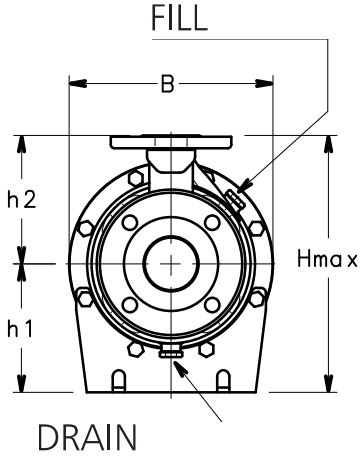
SHOE4 SERIES
DIMENSIONS AND WEIGHTS AT 50 Hz, 4 POLES

PUMP TYPE	DIMENSIONS (mm)											WEIGHT
	PUMP							B	H	L	k	
	DNM	DNA	a	h2	x	h1	n		max			kg
SHOE4 25-125/03	25	50	80	140	110	112	190	219	252	403	98	19
SHOE4 25-160/03	25	50	80	160	110	132	210	254	292	403	98	23
SHOE4 25-160/05	25	50	80	160	128	132	210	254	292	421	98	25
SHOE4 25-160/07/D	25	50	80	160	128	132	210	254	292	421	98	27
SHOE4 25-200/07/D	25	50	80	180	128	160	230	284	340	421	98	30
SHOE4 32-125/03	32	50	80	140	110	112	190	219	252	403	98	19
SHOE4 32-160/03	32	50	80	160	110	132	210	254	292	403	98	23
SHOE4 32-160/05	32	50	80	160	128	132	210	254	292	421	98	25
SHOE4 32-160/07/D	32	50	80	160	128	132	210	354	292	421	98	27
SHOE4 32-200/07/D	32	50	80	180	128	160	230	284	340	421	98	30
SHOE4 40-125/03	40	65	80	140	110	112	190	219	252	403	100	21
SHOE4 40-160/05	40	65	80	160	128	132	210	254	292	421	100	26
SHOE4 40-160/07/D	40	65	80	160	128	132	210	254	292	431	100	27
SHOE4 40-160/11/P	40	65	80	160	134	132	210	254	292	498	100	31
SHOE4 50-125/07/D	50	65	100	160	128	132	210	254	292	451	104	28
SHOE4 50-125/11/P	50	65	100	160	134	132	210	254	292	518	104	34
SHOE4 50-160/11/P	50	65	100	180	134	160	210	254	340	518	104	35
SHOE4 50-160/15/P	50	65	100	180	134	160	210	254	340	518	104	38

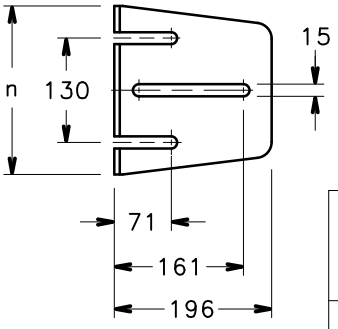
LOWARA
a xylem brand

SHOS SERIES
DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

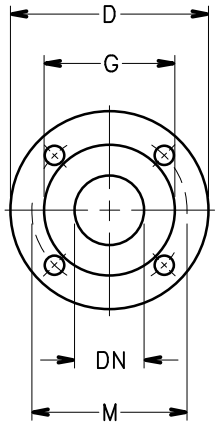




CLEARANCE FOR DISASSEMBLY

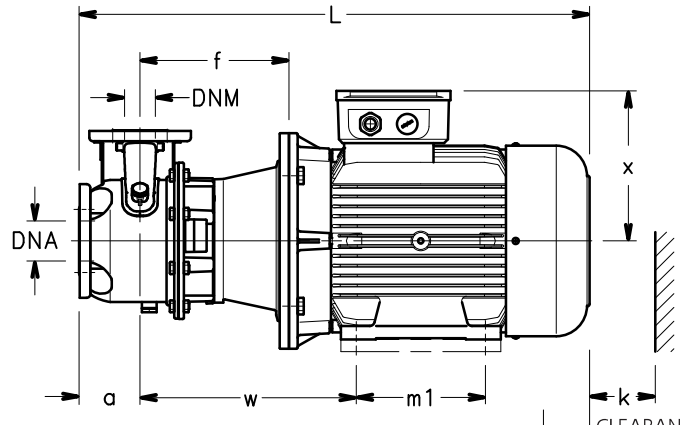


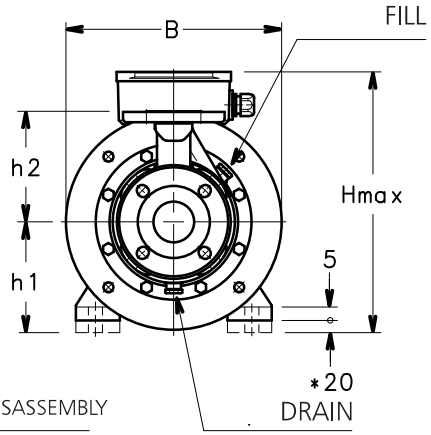
SHOS WITH PUMP SUPPORT FOOT
MOTORS UP TO 7,5 kW



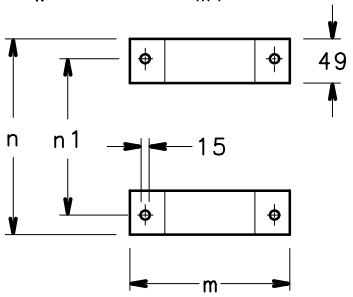
PUMP FLANGES

DN	D	M	G	HOLES		MAX THICK -NESS
				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





CLEARANCE FOR DISASSEMBLY



* SHOS WITH SUPPORT UNDER THE MOTOR 11 kW
MOTORS

05553_C_DD

LOWARA
a xylem brand

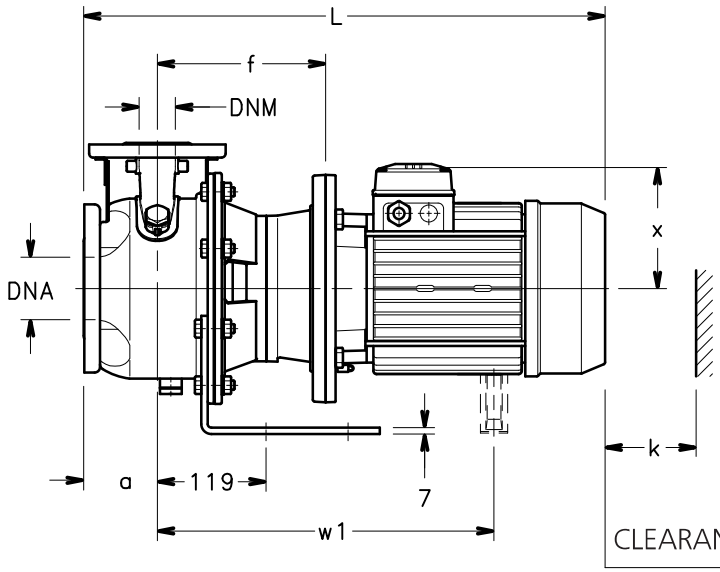
SHOS SERIES
DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

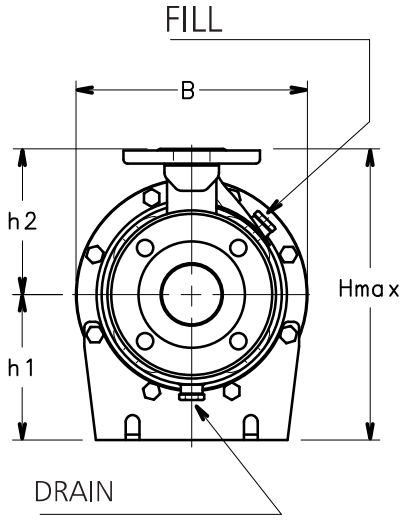
PUMP TYPE	DIMENSIONS (mm)																	WEIGHT
	PUMP								SUPPORT					B	H	L	k	
	DNM	DNA	a	f	h2	w	w1	x	h1	m	m1	n	n1		max			kg
SHOS 25-125/11/D	25	50	80	165	140	-	-	129	112	-	-	190	-	219	252	508	98	26
SHOS 25-125/15/D	25	50	80	165	140	-	-	129	112	-	-	190	-	219	252	508	98	27
SHOS 25-125/22/P	25	50	80	165	140	-	-	134	112	-	-	190	-	219	252	543	98	33
SHOS 25-160/30/P	25	50	80	175	160	-	-	134	160	-	-	210	-	254	320	553	98	42
SHOS 25-160/40/P	25	50	80	175	160	-	-	154	160	-	-	210	-	254	320	574	98	47
SHOS 25-160/55/P	25	50	80	202	160	-	409	168	160	-	-	210	-	254	320	657	98	60
SHOS 25-200/30/P	25	50	80	175	180	-	-	134	160	-	-	230	-	284	340	553	98	44
SHOS 25-200/40/P	25	50	80	175	180	-	-	154	160	-	-	230	-	284	340	574	98	50
SHOS 25-200/55/P	25	50	80	202	180	-	409	168	160	-	-	230	-	284	340	657	98	63
SHOS 32-125/11/D	32	50	80	165	140	-	-	129	112	-	-	190	-	219	252	508	98	26
SHOS 32-125/15/D	32	50	80	165	140	-	-	129	112	-	-	190	-	219	252	508	98	27
SHOS 32-125/22/P	32	50	80	165	140	-	-	134	112	-	-	190	-	219	252	543	98	33
SHOS 32-160/30/P	32	50	80	175	160	-	-	134	160	-	-	210	-	254	320	553	98	42
SHOS 32-160/40/P	32	50	80	175	160	-	-	154	160	-	-	210	-	254	320	574	98	47
SHOS 32-160/55/P	32	50	80	202	160	-	409	168	160	-	-	210	-	254	320	657	98	60
SHOS 32-200/30/P	32	50	80	175	180	-	-	134	160	-	-	230	-	284	340	553	98	44
SHOS 32-200/40/P	32	50	80	175	180	-	-	154	160	-	-	230	-	284	340	574	98	50
SHOS 32-200/55/P	32	50	80	202	180	-	409	168	160	-	-	230	-	284	340	657	98	63
SHOS 40-125/15/D	40	65	80	175	140	-	-	129	112	-	-	190	-	219	252	518	100	28
SHOS 40-125/22/P	40	65	80	175	140	-	-	134	112	-	-	190	-	219	252	553	100	34
SHOS 40-125/30/P	40	65	80	185	140	-	-	134	160	-	-	190	-	219	300	563	100	40
SHOS 40-160/40/P	40	65	80	185	160	-	-	154	160	-	-	210	-	254	320	584	100	48
SHOS 40-160/55/P	40	65	80	212	160	-	419	168	160	-	-	210	-	254	328	667	100	61
SHOS 40-160/75/P	40	65	80	212	160	-	417	191	160	-	-	210	-	254	351	659	100	79
SHOS 50-125/55/P	50	65	100	212	160	-	419	168	160	-	-	210	-	254	328	687	104	61
SHOS 50-125/75/P	50	65	100	212	160	-	417	191	160	-	-	210	-	254	351	679	104	79
SHOS 50-160/110A/P	50	65	100	242	180	350	-	240	180	304	210	304	254	350	420	836	104	117
SHOS 50-160/110/P	50	65	100	242	180	350	-	240	180	304	210	304	254	350	420	836	104	117

* Motor shim (20 mm) on request

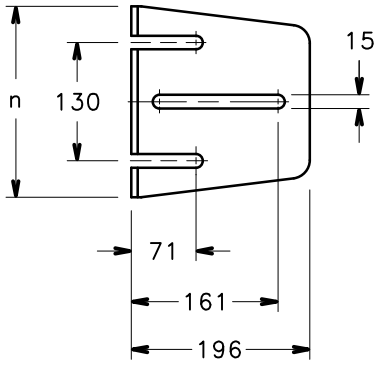
LOWARA
a xylem brand

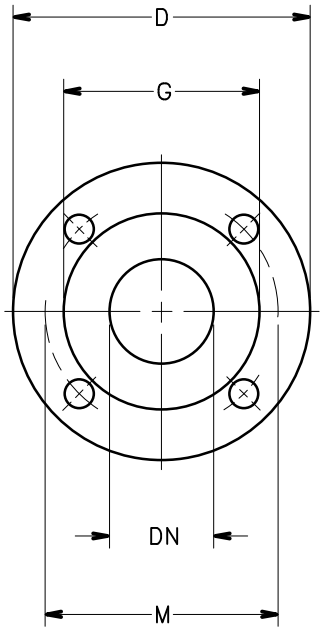
SHOS4 SERIES
DIMENSIONS AND WEIGHTS AT 50 Hz, 4 POLES





CLEARANCE FOR DISASSEMBLY





PUMP FLANGES

DN	D	M	G	HOLES		MAX THICK -NESS
				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

05554_A_DD

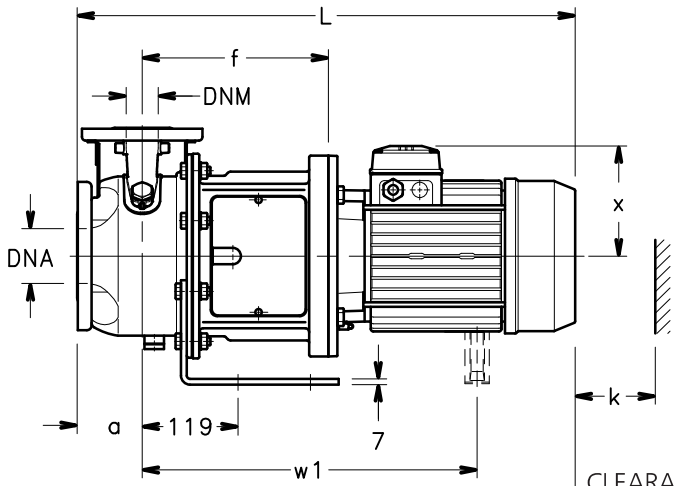
LOWARA
a xylem brand

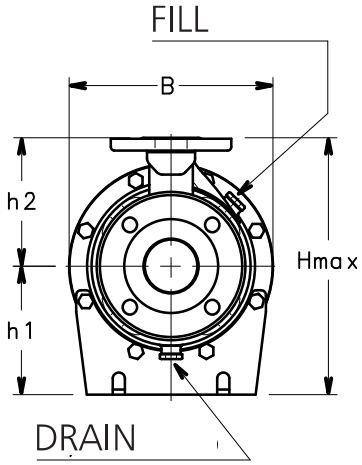
SHOS4 SERIES
DIMENSIONS AND WEIGHTS AT 50 Hz, 4 POLES

PUMP TYPE	DIMENSIONS (mm)												WEIGHT
	PUMP						SUPPORT		B	H	L	k	
	DNM	DNA	a	f	h2	x	h1	n		max			kg
SHOS4 25-125/03	25	50	80	165	140	110	112	190	219	252	490	98	24
SHOS4 25-160/03	25	50	80	165	160	110	132	210	254	292	490	98	27
SHOS4 25-160/05	25	50	80	165	160	110	132	210	254	292	490	98	27
SHOS4 25-160/07/D	25	50	80	165	160	128	132	210	254	292	476	98	29
SHOS4 25-200/07/D	25	50	80	165	180	128	160	230	284	340	476	98	33
SHOS4 32-125/03	32	50	80	165	140	110	112	190	219	252	490	98	24
SHOS4 32-160/03	32	50	80	165	160	110	132	210	254	292	490	98	27
SHOS4 32-160/05	32	50	80	165	160	110	132	210	254	292	490	98	27
SHOS4 32-160/07/D	32	50	80	165	160	128	132	210	254	292	476	98	29
SHOS4 32-200/07/D	32	50	80	165	180	128	160	230	284	340	476	98	33
SHOS4 40-125/03	40	65	80	175	140	110	112	190	219	252	490	100	25
SHOS4 40-160/05	40	65	80	175	160	110	132	210	254	292	490	100	29
SHOS4 40-160/07/D	40	65	80	175	160	128	132	210	254	292	486	100	31
SHOS4 40-160/11/P	40	65	80	175	160	134	132	210	254	292	553	100	37
SHOS4 50-125/07/D	50	65	100	175	160	128	132	210	254	292	506	104	31
SHOS4 50-125/11/P	50	65	100	175	160	134	132	210	254	292	573	104	38
SHOS4 50-160/11/P	50	65	100	175	180	134	160	230	254	340	573	104	39
SHOS4 50-160/15/P	50	65	100	175	180	134	160	230	254	340	573	104	41

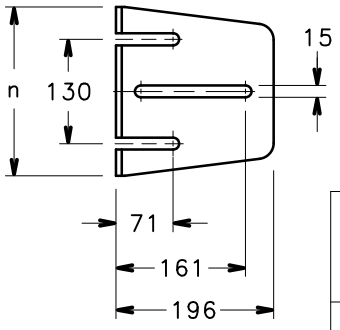
LOWARA
a xylem brand

SHOD SERIES
DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

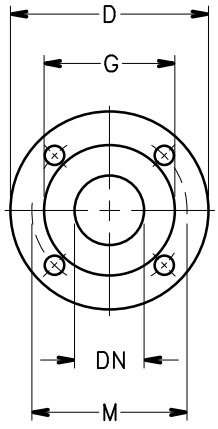




CLEARANCE FOR DISASSEMBLY

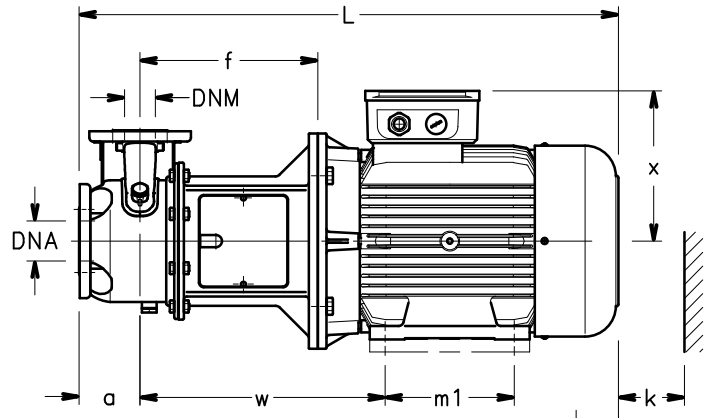


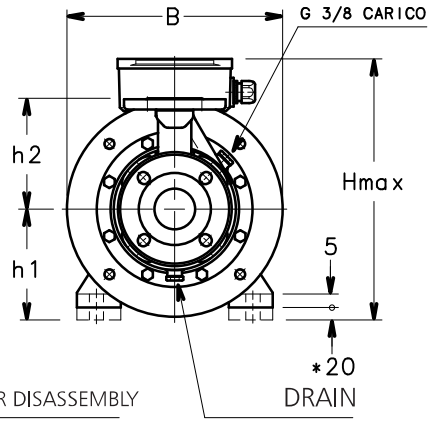
SHOD WITH PUMP SUPPORT FOOT
MOTORS UP TO 7,5 kW



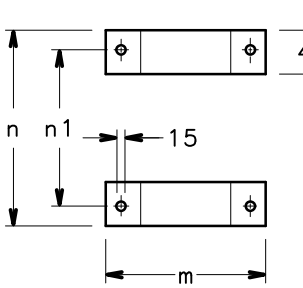
PUMP FLANGES

DN	D	M	G	HOLES		MAX THICK -NESS
				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





CLEARANCE FOR DISASSEMBLY



* SHOD WITH SUPPORT UNDER THE MOTOR 11 kW MOTORS

05573_C_DD

LOWARA
a xylem brand

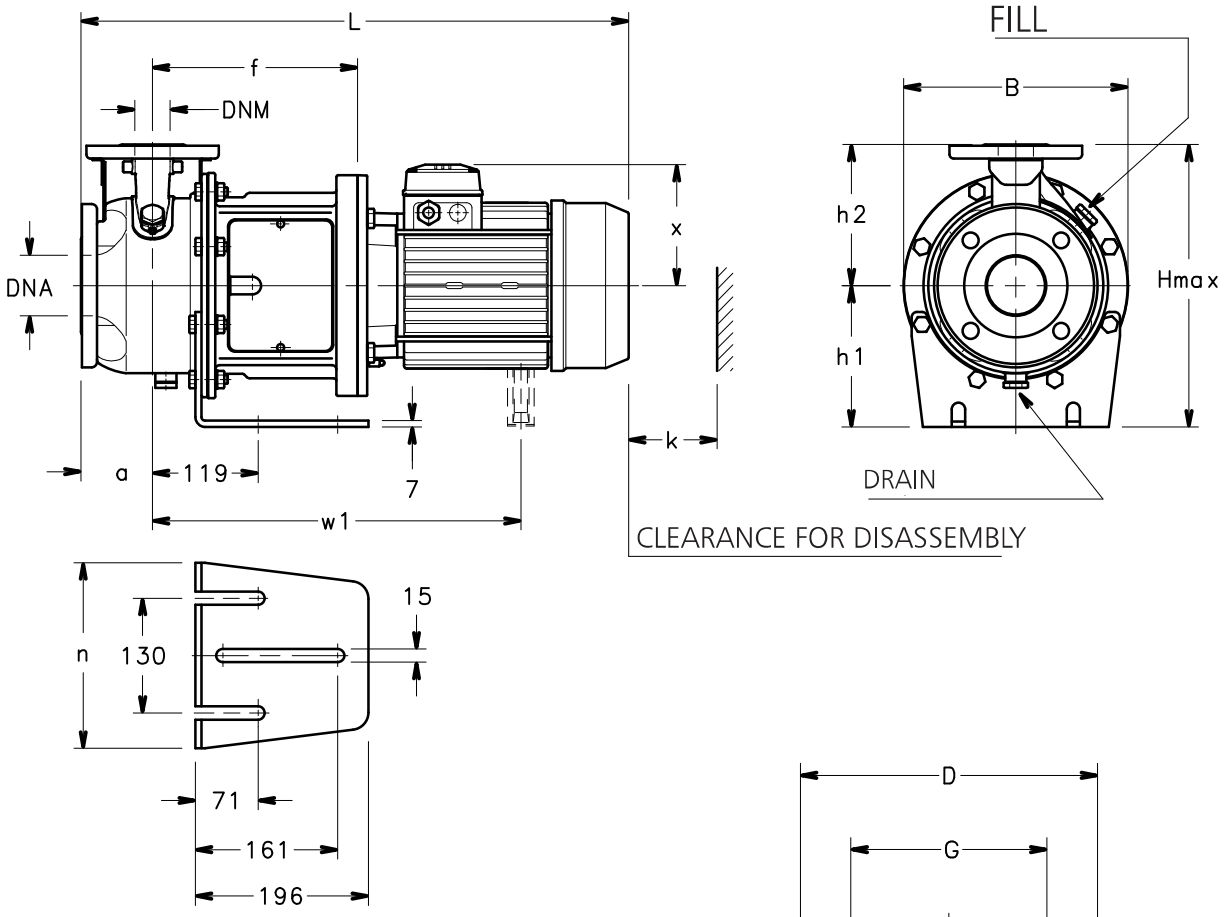
SHOD SERIES
DIMENSIONS AND WEIGHTS AT 50 Hz, 2 POLES

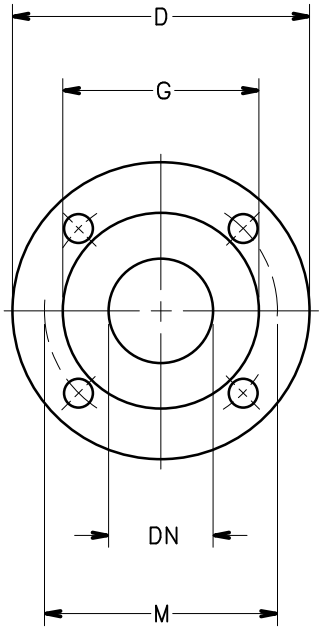
PUMP TYPE	DIMENSIONS (mm)																	WEIGHT
	PUMP								SUPPORT					B	H	L	k	
	DNM	DNA	a	f	h2	w	w1	x	h1	m	m1	n	n1		max			kg
SHOD 25-125/11/D	25	50	80	212	140	-	-	129	112	-	-	190	-	219	252	555	98	28
SHOD 25-125/15/D	25	50	80	212	140	-	-	129	112	-	-	190	-	219	252	555	98	29
SHOD 25-125/22/P	25	50	80	212	140	-	-	134	112	-	-	190	-	219	252	590	98	35
SHOD 25-160/30/P	25	50	80	222	160	-	-	134	160	-	-	210	-	254	320	600	98	44
SHOD 25-160/40/P	25	50	80	222	160	-	-	154	160	-	-	210	-	254	320	621	98	49
SHOD 25-160/55/P	25	50	80	249	160	-	456	168	160	-	-	210	-	254	320	704	98	61
SHOD 25-200/30/P	25	50	80	222	180	-	-	134	160	-	-	230	-	284	340	600	98	46
SHOD 25-200/40/P	25	50	80	222	180	-	-	154	160	-	-	230	-	284	340	621	98	52
SHOD 25-200/55/P	25	50	80	249	180	-	456	168	160	-	-	230	-	284	340	704	98	65
SHOD 32-125/11/D	32	50	80	212	140	-	-	129	112	-	-	190	-	219	252	555	98	28
SHOD 32-125/15/D	32	50	80	212	140	-	-	129	112	-	-	190	-	219	252	555	98	29
SHOD 32-125/22/P	32	50	80	212	140	-	-	134	112	-	-	190	-	219	252	590	98	35
SHOD 32-160/30/P	32	50	80	222	160	-	-	134	160	-	-	210	-	254	320	600	98	44
SHOD 32-160/40/P	32	50	80	222	160	-	-	154	160	-	-	210	-	254	320	621	98	49
SHOD 32-160/55/P	32	50	80	249	160	-	456	168	160	-	-	210	-	254	320	704	98	61
SHOD 32-200/30/P	32	50	80	222	180	-	-	134	160	-	-	230	-	284	340	600	98	46
SHOD 32-200/40/P	32	50	80	222	180	-	-	154	160	-	-	230	-	284	340	621	98	52
SHOD 32-200/55/P	32	50	80	249	180	-	456	168	160	-	-	230	-	284	340	704	98	65
SHOD 40-125/15/D	40	65	80	222	140	-	-	129	112	-	-	190	-	219	252	565	100	29
SHOD 40-125/22/P	40	65	80	222	140	-	-	134	112	-	-	190	-	219	252	600	100	35
SHOD 40-125/30/P	40	65	80	232	140	-	-	134	160	-	-	190	-	219	300	610	100	41
SHOD 40-160/40/P	40	65	80	232	160	-	-	154	160	-	-	210	-	254	320	631	100	51
SHOD 40-160/55/P	40	65	80	259	160	-	466	168	160	-	-	210	-	254	328	714	100	65
SHOD 40-160/75/P	40	65	80	259	160	-	464	191	160	-	-	210	-	254	351	706	100	82
SHOD 50-125/55/P	50	65	100	259	160	-	466	168	160	-	-	210	-	254	328	734	104	65
SHOD 50-125/75/P	50	65	100	259	160	-	464	191	160	-	-	210	-	254	351	726	104	83
SHOD 50-160/110A/P	50	65	100	289	180	397	-	240	180	304	210	304	254	350	420	883	104	120
SHOD 50-160/110/P	50	65	100	289	180	397	-	240	180	304	210	304	254	350	420	883	104	120

* Motor shim (20 mm) on request

LOWARA
a xylem brand

SHOD4 SERIES
DIMENSIONS AND WEIGHTS AT 50 Hz, 4 POLES





PUMP FLANGES

DN	D	M	G	HOLES		MAX THICK -NESS
				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

05574_A_DD

LOWARA
a xylem brand

SHOD4 SERIES
DIMENSIONS AND WEIGHTS AT 50 Hz, 4 POLES

PUMP TYPE	DIMENSIONS (mm)												WEIGHT
	PUMP						SUPPORT		B	H	L	k	
	DNM	DNA	a	f	h2	x	h1	n		max			kg
SHOD4 25-125/03	25	50	80	212	140	110	112	190	219	252	537	98	24,6
SHOD4 25-160/03	25	50	80	212	160	110	132	210	254	292	537	98	27,6
SHOD4 25-160/05	25	50	80	212	160	110	132	210	254	292	537	98	25
SHOD4 25-160/07/D	25	50	80	212	160	128	132	210	254	292	523	98	31
SHOD4 25-200/07/D	25	50	80	212	180	128	160	230	284	340	523	98	34
SHOD4 32-125/03	32	50	80	212	140	110	112	190	219	252	537	98	24,6
SHOD4 32-160/03	32	50	80	212	160	110	132	210	254	292	537	98	27,6
SHOD4 32-160/05	32	50	80	212	160	110	132	210	254	292	537	98	25
SHOD4 32-160/07/D	32	50	80	212	160	128	132	210	254	292	523	98	31
SHOD4 32-200/07/D	32	50	80	212	180	128	160	230	284	340	523	98	34
SHOD4 40-125/03	40	65	80	222	140	110	112	190	219	252	537	100	24,9
SHOD4 40-160/05	40	65	80	222	160	110	132	210	254	292	537	100	30,1
SHOD4 40-160/07/D	40	65	80	222	160	128	132	210	254	292	533	100	31
SHOD4 40-160/11/P	40	65	80	222	160	134	132	210	254	292	600	100	38
SHOD4 50-125/07/D	50	65	100	222	160	128	132	210	254	292	553	104	32
SHOD4 50-125/11/P	50	65	100	222	160	134	132	210	254	292	620	104	38
SHOD4 50-160/11/P	50	65	100	222	180	134	160	230	254	340	620	104	39
SHOD4 50-160/15/P	50	65	100	222	180	134	160	230	254	340	620	104	41