

LOWARA E-SH SELF-PRIMING

stainless steel 316 centrifugal pumps



Self-priming pumps

Description

The e-SH serie from Lowara is normal priming, but thanks to a special technique developed by Van der Ende Group, it is possible to make this serie of pumps self-priming. The e-SH serie self-priming pumps can be used in industrial and horticultural applications. The hydraulic part of the pump is made of AISI 316 and the self-priming tubing is made of pvc (16 bar). The pump is standard available with a 3-phase motor.

- e-SHE = close-coupled by means of a bracket with impeller keyed directly to the motor shaft extension.
- e-SHS = with a bracket, adaptor and rigid coupling keyed to the standard motor shaft extension.
- e-SHF = with bracket, support, flexible coupling, and aligning and anchoring base.

Applications

- o irrigation and sprinkling
- o pressure boosting
- o industrial washing

Specifications

- o suitable for clean liquids and continuously operating
- o construction: AISI 316 and pvc
- o capacity: up to 180 m³/h
- o head: up to 67 m
- o max. pressure: 10 bar
- o liquid temperature: -10 °C up to + 40 °C
- o asynchronous motor IE3
- o insulation class: F
- o protection: IP55
- o suction stub (pvc): NW75 – NW125
- o delivery stub (pvc): NW63 – NW110
- o power (P2): up to 22,0 kW
- o voltages:
 - 1-phase 220-240 Volt 50 Hz (up to 2,2 kW)
 - 3-phase 220-240/380-415 Volt 50 Hz (up to 3,0 kW)
 - 3-phase 380-415/660-690 Volt 50 Hz
- o automatic or manual bypass
- o UL/CSA certification available on request



The advantage of this version is that when the pump sucks up air and/or the pressure drops below a specific level, the self-priming action once again comes into action when the valve reopens the bypass. A manual valve can, after purchase, be easily converted to an automatic by use of a conversion kit.

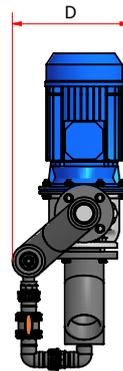
A patent has been granted to the system with the valves, manual, hydraulic or electrical. Once the pump has been made self-priming, the compression and suction connection is suitable for the use of pvc piping.

DIMENSION LOWARA SELF-PRIMING PUMPS (MM)							
PUMP TYPE	A	B	C	D	E	F	G
e-SHE 32-125/11	75	63	475	300	775	320	190
e-SHE 32-160/15	75	63	515	320	765	340	190
e-SHE 32-160/22	75	63	515	320	765	340	190
e-SHE 32-200/30	75	63	560	330	805	350	190
e-SHE 32-200/40	75	63	560	330	825	350	190
e-SHE 32-250/55	75	63	630	360	885	380	190
e-SHE 32-250/75	75	63	630	360	900	380	190
e-SHE 40-125/11	90	75	500	315	815	335	200
e-SHE 40-125/15	90	75	500	315	815	335	200
e-SHE 40-125/22	90	75	500	315	815	335	200
e-SHE 40-160/30	90	75	540	325	845	345	200
e-SHE 40-160/40	90	75	540	325	870	345	200
e-SHE 40-200/55	90	75	590	340	925	360	200
e-SHE 40-250/75	90	75	590	340	925	360	200
e-SHE 40-250/92	90	75	655	365	980	385	200
e-SHE 40-250/110	90	75	655	365	975	385	200
e-SHE 50-125/22	90	75	545	320	852	340	200
e-SHE 50-125/30	90	75	545	320	852	340	200
e-SHE 50-125/40	90	75	545	320	880	340	200
e-SHE 50-160/55	90	75	590	320	920	340	200
e-SHE 50-160/75	90	75	590	320	920	340	200
e-SHE 50-200/92	90	75	610	350	980	370	200
e-SHE 50-200/110	90	75	610	350	980	370	200
e-SHE 65-160/40	110	90	650	360	935	370	200
e-SHE 65-160/55	110	90	650	360	1020	370	220
e-SHE 65-160/75	110	90	650	360	1020	370	200
e-SHE 65-160/92	110	90	650	360	935	370	200
e-SHE 65-160/110	110	90	650	360	935	370	200
e-SHE 65-200/150	110	90	670	360	1110	370	200
e-SHE 65-200/185	110	90	670	360	1110	370	200
e-SHE 80-160/110	125	110	750	390	1100	390	220
e-SHE 80-160/150	125	110	770	390	1190	390	220
e-SHE 80-160/185	125	110	750	390	1190	390	220
e-SHE 80-200/220	125	110	750	390	1225	390	220

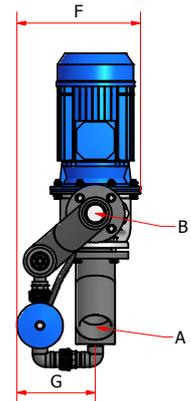
The capacity and pressure

All pumps are measured in our workshop. The results of these measurements are used in this folder.

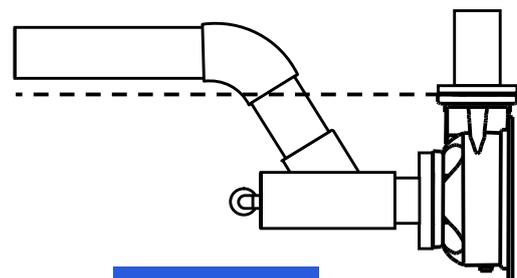
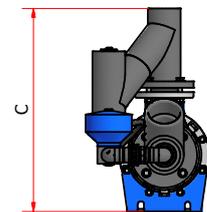
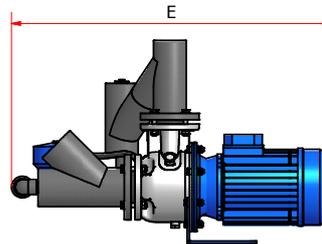
The dimensions of the pump with connected bypass are stated in this folder. The other dimensions and also the motor capacity and the NPSH, are in the original documents of the factory.



Version with manual valve



Version with automatic valve

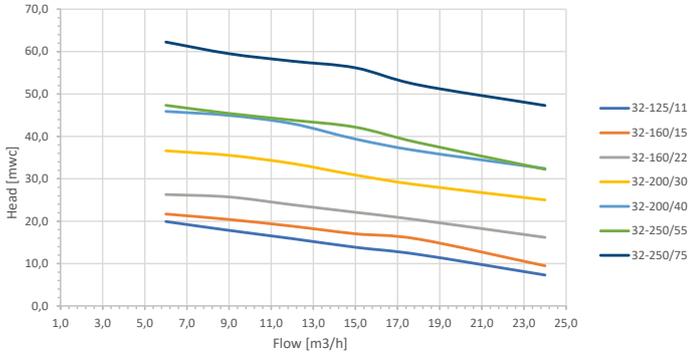


WATERSEAL

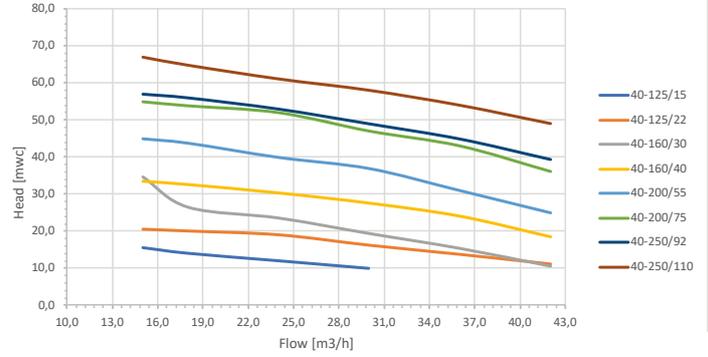


Graphics by e-SHE, e-SHS, e-SHF Series at 50 Hz, 2-pole

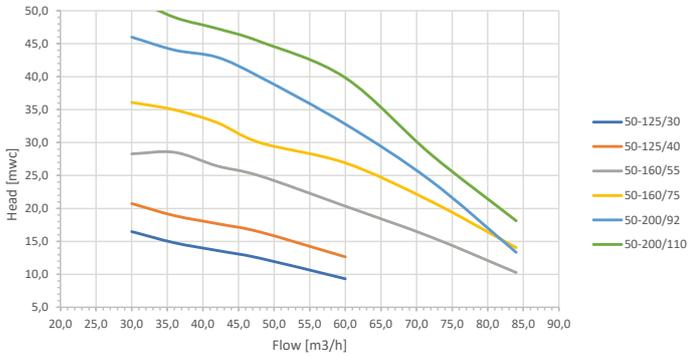
SHE 32 self-priming pump



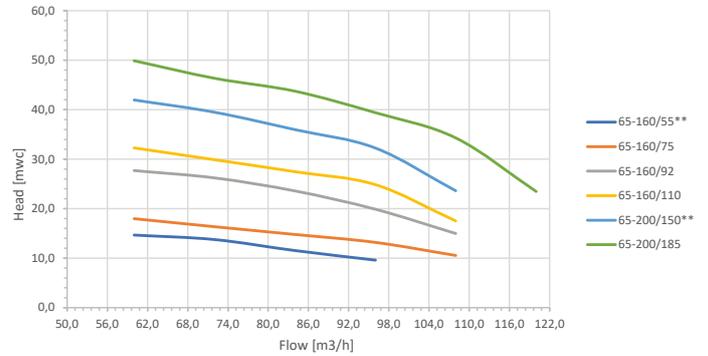
SHE 40 self-priming pump



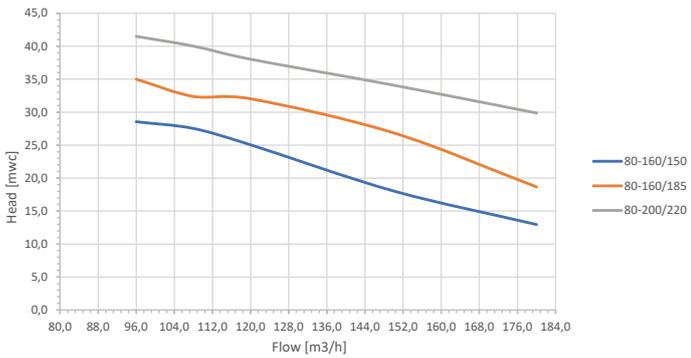
SHE 50 self-priming pump



SHE 65 self-priming pump



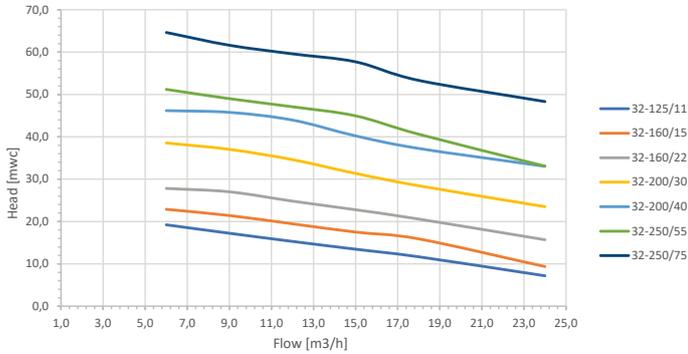
SHE 80 self-priming pump



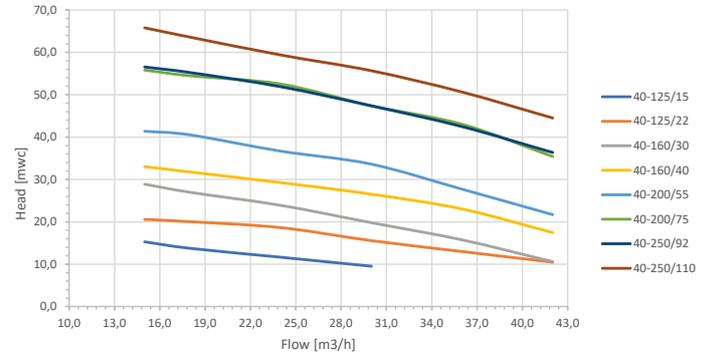


Graphics by e-SHE, e-SHS, e-SHF Series at 60 Hz, 2-pole

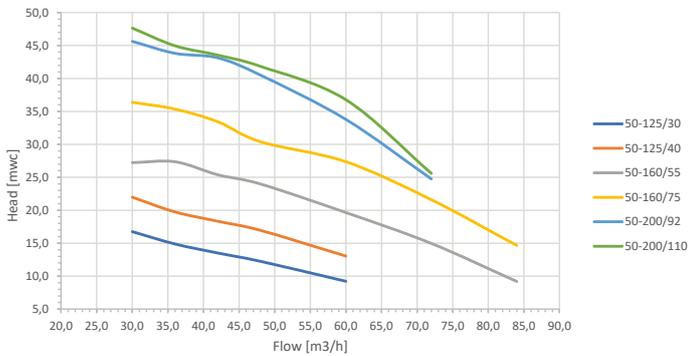
SHE 32 self-priming pump



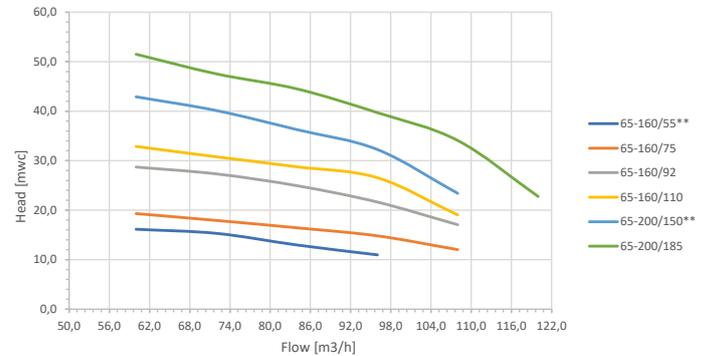
SHE 40 self-priming pump



SHE 50 self-priming pump



SHE 65 self-priming pump



SHE 80 self-priming pump

