

ESHE 25-160/15/S26PSSA

Technical data

Company name
Contact
Phone number
e-mail address

| Operating data | | | | | | |
|----------------|---------------------------|------------------|----|--|--------------------|-----------|
| 1 | Pumpe type | Single head pump | | Fluid | Water, pure | |
| 2 | No. of pumps | 1 | | Operating temperature t A | °F | 39.2 |
| 3 | Nominal flow | US g.p.m. | 0 | Max / Min Operating Temperature mech. Seal | °F | 120 / -10 |
| 4 | Nominal head | ft | 0 | pH-value at t A | | 7 |
| 5 | Static head | ft | 0 | Density at t A | lb/ft ³ | 62.4 |
| 6 | Inlet pressure | psi | 0 | Kin. viscosity at t A | ft ² /s | 1.689E-5 |
| 7 | Environmental temperature | °F | 68 | Vapor pressure at t A | psi | 14.5 |
| 8 | Available system NPSH | ft | 0 | Altitude | | 0 |

| Pump data | | | | | | | | | |
|-----------|-----------------------|------------------------------------|--------|------------|-------------|----------|--------|-----------|-------------------|
| 9 | Lubrication | Standard, Grease lubrication [Std] | | | | | | | |
| 10 | Execution | | | | | | | | |
| 11 | Design | Horizontal | | Impeller Ø | Max. | inch | 5 7/16 | | |
| 12 | Operating speed | 3485 rpm | Stages | | 1 | designed | inch | 4 15/16 | |
| 13 | Suction nozzle | DN 50 | / | PN 16 | / | EN1092-1 | Min. | inch | 4 15/16 |
| 14 | Discharge nozzle | DN 25 | / | PN 16 | / | EN1092-1 | Flow | | Nominal US g.p.m. |
| 15 | Max. casing pressure | psi | 174 | | | | Max- | US g.p.m. | 105.2 |
| 16 | Max. working pressure | psi | 36.6 | | | | Min- | US g.p.m. | 39.5 |
| 17 | Impeller type | Radial impeller | | Head | Nominal | ft | | | |
| 18 | Head H(Q=0) | ft | 84 | | at Qmax | ft | 15.8 | | |
| 19 | Max. shaft power | hp | 2 | | at Qmin | ft | 75.5 | | |
| 20 | Pump weight | kg | | | Shaft power | hp | | | |
| 21 | Total weight | lb | 53.8 | | Efficiency | % | | | |
| | | | | | NPSH 3% | ft | | | |

| Materials | | | |
|-----------|-----------------------------|-----------------------------|--|
| 22 | | Pump | Shaft Seal |
| 23 | Pump body | Stainless steel / AISI 316L | Single mechanical seal, without shaft sleeve |
| 24 | Impeller | Stainless steel / AISI 316L | Uniten 3K |
| 25 | SEAL HOUSING | Stainless steel / AISI 316L | Mechanical seal diameter |
| 26 | Wear ring | Stainless steel / AISI 316L | 7/8 inch |
| 27 | Counterwear ring | Stainless steel / AISI 316L | 1. Rotating ring |
| 28 | Shaft extension | Stainless steel / AISI 316L | Ceramic |
| 29 | Rigid shaft coupling | Stainless steel / AISI 316 | 2. Stationary ring |
| 30 | Impeller locknut and washer | Stainless steel / AISI 316 | 3. Secondary seal |
| 31 | Tab | Stainless steel / AISI 316L | 4. Springs |
| 32 | Fill/drain plugs | Stainless steel / AISI 316 | 5. Others |
| 33 | | | Gaskets of the pump |
| 34 | | | Fluorine rubber (FKM) |
| 35 | | | |
| 36 | | | |
| 37 | | | |
| 38 | | | |
| 39 | | | |
| 40 | | | |
| 41 | | | |

| Motor data | | | |
|------------|-----------------|----------------------|----------------------|
| 42 | Manufacturer | Lowara SM | |
| 43 | Specific design | IE3 3ph Flange Motor | |
| 44 | Type | SM 90R B14 1,5 kW | |
| 45 | Rated power | 2.0115 hp | Rated current |
| 46 | Nominal speed | 3485 rpm | 5.56 A |
| 47 | Frame size | 90R | Rated voltage |
| 48 | Weight | lb 29.5 | 220 V |
| | | | Service factor |
| | | | 1 |
| | | | Degree of protection |
| | | | IP55 |

| Remarks | |
|---------|--|
| 49 | |
| 50 | |
| 50 | |
| 52 | |

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Performance curve

Company name
Contact
Phone number
e-mail address

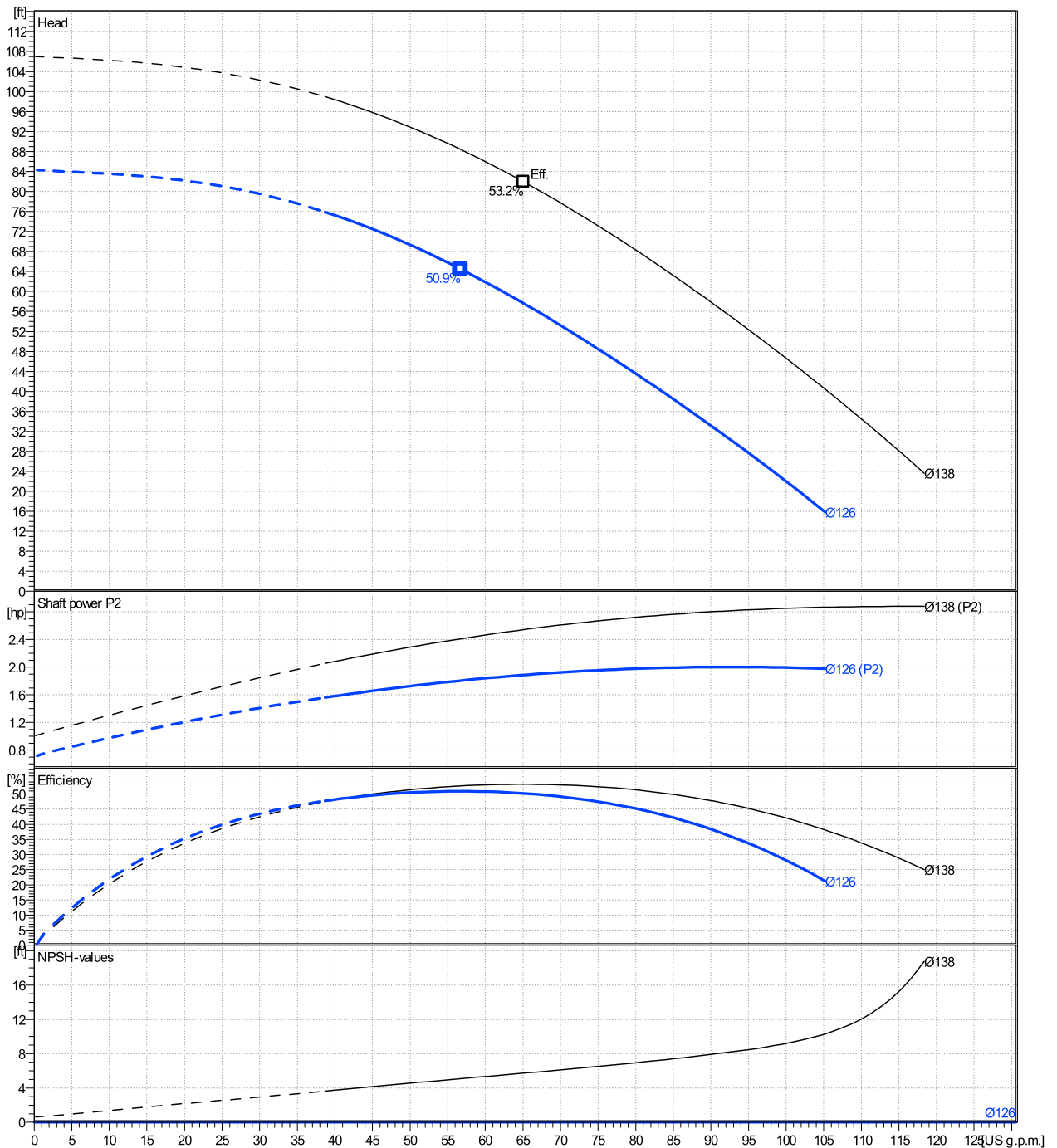
| | Ø mm | Pump capacity Operating range η | | | Pump head H(Q=0) η | | Shaft power P2 P2(Q=0) η | | | Frequency | Hz | |
|--------|---------|---------------------------------------|-------------------|-------------------|--------------------------|---------|--------------------------------|------------|---------|-----------------|-----------|---|
| | | Min. US g.p.m. | Max. US g.p.m. | Max. US g.p.m. | H(Q=0) ft | η ft | P2(Q=0) hp | Max. hp | η hp | Operating speed | rpm | |
| actual | 4 15/16 | 39.5 | 105 | 56.7 | 84.3 | 64.5 | | 2 | 1.81 | Nominal flow | US g.p.m. | 0 |
| Min. | 0 | / | / | 56.7 | 84.3 | 64.5 | | / | 1.81 | Nominal head | ft | 0 |
| Max. | 5 7/16 | / | / | 65.1 | 107 | 81.9 | | / | 2.54 | Inlet pressure | psi | 0 |
| | | | | | | | | | | Static head | ft | 0 |

Power datas referred to:

hydr. Performance acceptance acc. To EN ISO 9906 Class Grade 3B

Water, pure [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s

MEI: N.A - according to Ecodesign Directive 2009/125/EC and Regulation (EU) No.547/2012



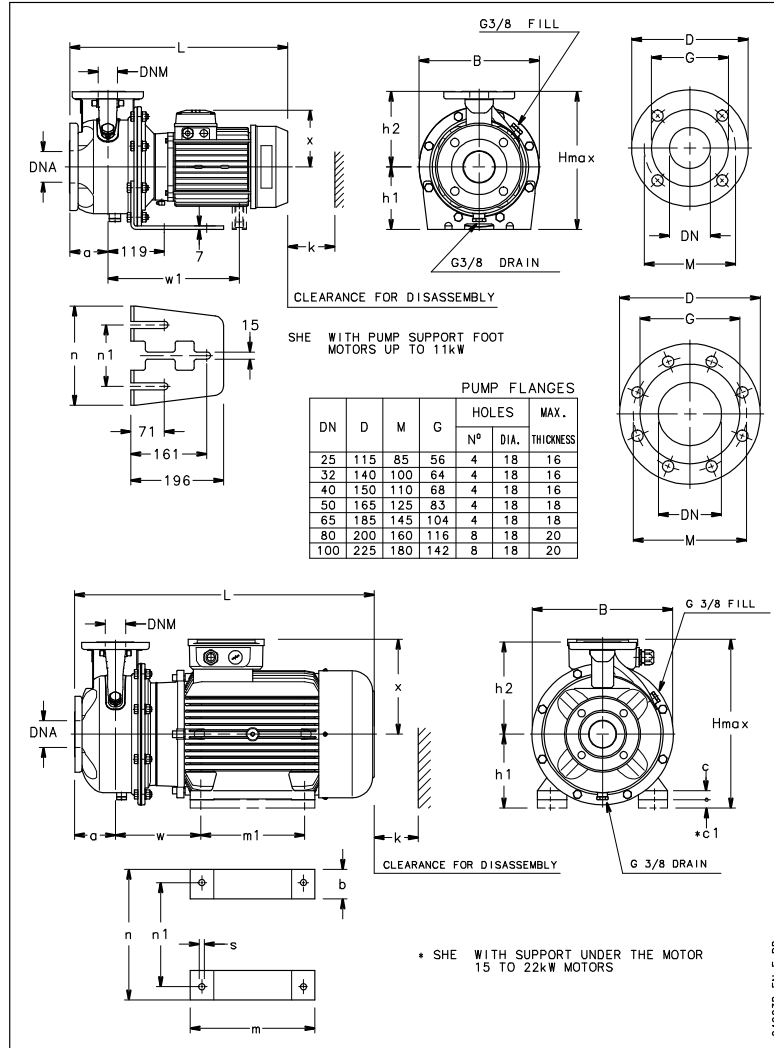
ESHE 25-160/15/S26PSSA

Dimensions

Company name
Contact
Phone number
e-mail address

Close coupled

SM 90R B14 1,5 kW



Dimensions [inch]

| | | | |
|------|---------------------------------|--|--|
| a | 3 ¹ / ₈ | | |
| B | 9 ¹⁵ / ₁₆ | | |
| DNA | 1 ¹⁵ / ₁₆ | | |
| DNM | 1 | | |
| h1 | 6 ⁵ / ₁₆ | | |
| h2 | 6 ⁵ / ₁₆ | | |
| Hmax | 12 ⁵ / ₈ | | |
| k | 3 ⁷ / ₈ | | |
| L | 17 ⁷ / ₁₆ | | |
| n | 8 ¹ / ₄ | | |
| n1 | 5 ¹ / ₈ | | |
| x | 5 ¹ / ₁₆ | | |

Weight

Total weight 24.4 kg

Connections

| Suction nozzle | | Discharge nozzle | |
|----------------|---------------------------------|------------------|---------------------------------|
| DN 50 | | DN 25 | |
| PN 16 | | PN 16 | |
| EN1092-1 | | EN1092-1 | |
| D | 6 ¹ / ₂ | D | 4 ¹ / ₂ |
| Dia. Holes | 1 ¹⁵ / ₁₆ | Dia. Holes | 1 ¹⁵ / ₁₆ |
| DN | 1 ¹⁵ / ₁₆ | DN | 1 |
| G | 3 ¹ / ₄ | G | 2 ³ / ₁₆ |
| M | 4 ¹⁵ / ₁₆ | M | 3 ³ / ₈ |
| Max thickness | 16 | Max thickness | 16 |

Dimensions and weight without obligation

Project Xlect-20182923
Block ESHE 25-160/22/P26PSSA

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