

## ESHE 32-250/92/P26PSSA

### 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/ft³      | 62.4      |
| 6 | Inlet pressure            | psi              | 0  | Kin. viscosity at t A                      | ft²/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 8 11/16    |
| 12 | Operating speed       | 3590 rpm                           | Stages 1 |             | designed | inch 8 3/16     |
| 13 | Suction nozzle        | DN 50 /                            | PN 16 /  |             | Min.     | inch 7 3/16     |
| 14 | Discharge nozzle      | DN 32 /                            | PN 16 /  | Flow        | Nominal  | US g.p.m.       |
| 15 | Max. casing pressure  | psi                                | 174      |             | Max-     | US g.p.m. 126.5 |
| 16 | Max. working pressure | psi                                | 119.9    |             | Min-     | US g.p.m. 40.6  |
| 17 | Impeller type         | Radial impeller                    |          | Head        | Nominal  | ft              |
| 18 | Head H(Q=0)           | ft                                 | 280      |             | at Qmax  | ft 202.6        |
| 19 | Max. shaft power      | hp                                 | 13       |             | at Qmin  | ft 266.6        |
| 20 | Pump weight           | kg                                 |          | Shaft power | hp       |                 |
| 21 | Total weight          | lb                                 | 194.0    | 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                                    | VBVGG                             |
| 25 | SEAL HOUSING                | Stainless steel / AISI 316L |  | Mechanical seal diameter                     | 7/8 inch                          |
| 26 | Wear ring                   | Stainless steel / AISI 316L |  | 1. Rotating ring                             | Ceramic                           |
| 27 | Counterwear ring            | Stainless steel / AISI 316L |  | 2. Stationary ring                           | Carbon graphite resin impregnated |
| 28 | Shaft extension             | Stainless steel / AISI 316L |  | 3. Secondary seal                            | Fluorine rubber (FKM)             |
| 29 | Rigid shaft coupling        | Stainless steel / AISI 316  |  | 4. Springs                                   | CrNiMo - Steel                    |
| 30 | Impeller locknut and washer | Stainless steel / AISI 316  |  | 5. Others                                    | CrNiMo - Steel                    |
| 31 | Tab                         | Stainless steel / AISI 316L |  | Gaskets of the pump                          | Fluorine rubber (FKM)             |
| 32 | Fill/drain plugs            | Stainless steel / AISI 316  |  |                                              |                                   |
| 33 |                             |                             |  |                                              |                                   |
| 34 |                             |                             |  |                                              |                                   |
| 35 |                             |                             |  |                                              |                                   |
| 36 |                             |                             |  |                                              |                                   |
| 37 |                             |                             |  |                                              |                                   |
| 38 |                             |                             |  |                                              |                                   |
| 39 |                             |                             |  |                                              |                                   |
| 40 |                             |                             |  |                                              |                                   |
| 41 |                             |                             |  |                                              |                                   |

#### Motor data

Electrical and dimensional data refer to IE3 motor

|    |                 |                      |                           |
|----|-----------------|----------------------|---------------------------|
| 42 | Manufacturer    | Lowara PLM           |                           |
| 43 | Specific design | IE3 3ph Flange Motor |                           |
| 44 | Type            | PLM 132 B14 9,2 kW   |                           |
| 45 | Rated power     | 12.337 hp            | Rated current 30.6 A      |
| 46 | Nominal speed   | 3590 rpm             | Rated voltage 220 V       |
| 47 | Frame size      | 132                  | Service factor 1          |
| 48 | Weight          | lb 224.9             | Degree of protection IP55 |

#### Remarks

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

|         |                         |            |           |             |           |
|---------|-------------------------|------------|-----------|-------------|-----------|
| Project | Xylect-20182923         | Created by |           | Last update | 1/12/2025 |
| Block   | ESHE 32-250/110/P26PSSA | Created on | 1/12/2025 |             |           |

## ESHE 32-250/92/P26PSSA

### Performance curve

Company name  
Contact  
Phone number  
e-mail address

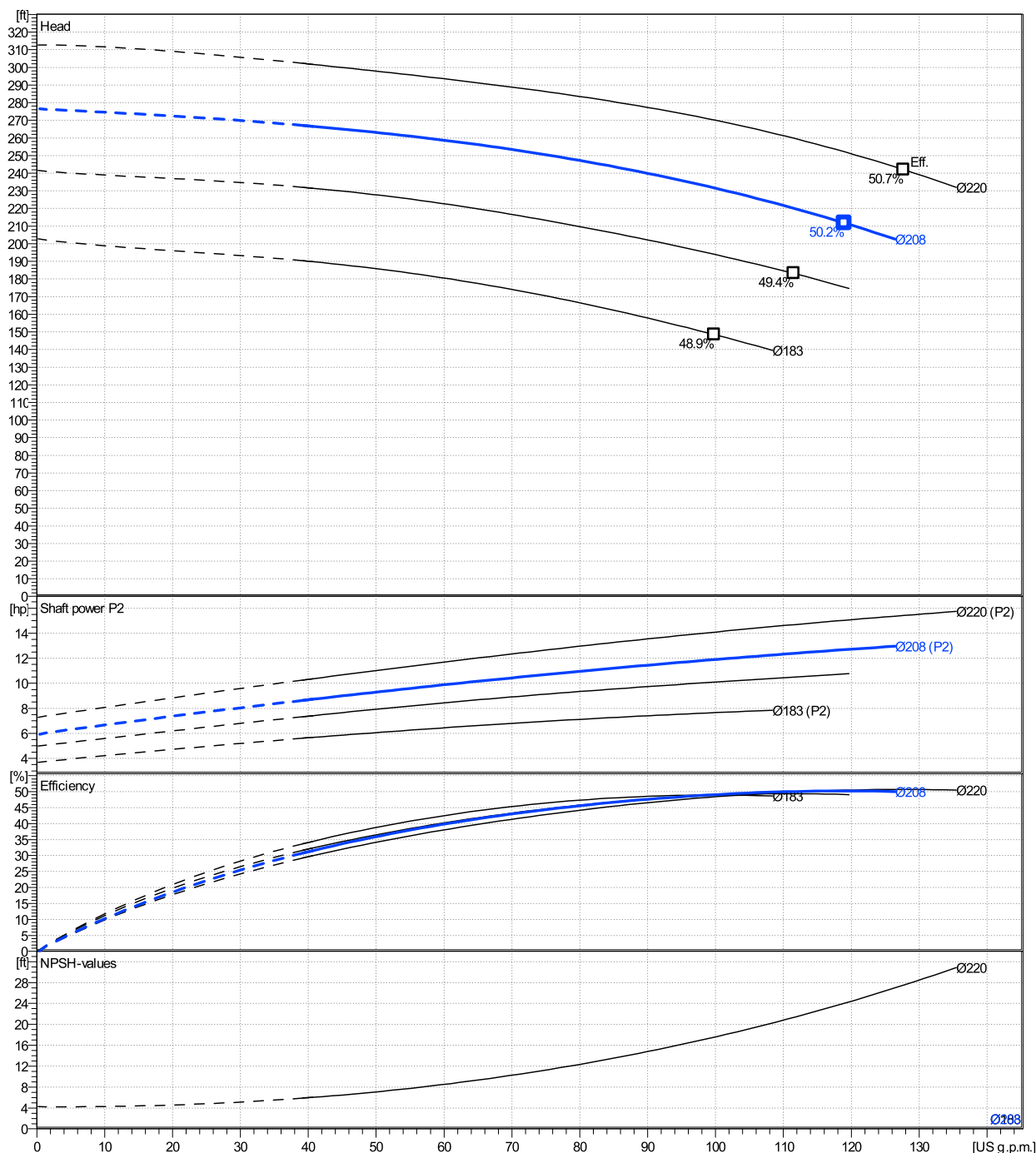
|        | Ø<br>mm | Pump capacity<br>Operating range |                   |                     | Pump head    |              | Shaft power P2 |            |              | Frequency              |                           | Hz   |
|--------|---------|----------------------------------|-------------------|---------------------|--------------|--------------|----------------|------------|--------------|------------------------|---------------------------|------|
|        |         | Min.<br>US g.p.m.                | Max.<br>US g.p.m. | Max. η<br>US g.p.m. | H(Q=0)<br>ft | Max. η<br>ft | P2(Q=0)<br>hp  | Max.<br>hp | Max. η<br>hp | Operating speed<br>rpm | Nominal flow<br>US g.p.m. |      |
| actual | 8 3/16  | 40.6                             | 126               | 119                 | 276          | 212          |                | 13         | 12.7         |                        |                           | 3590 |
| Min.   | 0       | /                                | /                 | 99.8                | 203          | 148          | /              | /          | 7.65         |                        |                           | 0    |
| Max.   | 8 11/16 | /                                | /                 | 128                 | 313          | 242          | /              | /          | 15.4         |                        |                           | 0    |
|        |         |                                  |                   |                     |              |              |                |            |              | Nominal head           | ft                        | 0    |
|        |         |                                  |                   |                     |              |              |                |            |              | 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



Project Block Xylect-20182923  
ESHE 32-250/110/P26PSSA

Created by  
Created on 1/12/2025

Last update 1/12/2025

Program version  
75.0 - 06/12/2024 (Build 274)

Data version  
15/12/2024 18:59

User group(s)  
Xylem: United Kingdom - EXT

| Connections                              |                                          |
|------------------------------------------|------------------------------------------|
| <b>Suction nozzle</b>                    | <b>Discharge nozzle</b>                  |
| <b>DN 50</b>                             | <b>DN 32</b>                             |
| <b>PN 16</b>                             | <b>PN 16</b>                             |
| <b>EN1092-1</b>                          | <b>EN1092-1</b>                          |
| D 6 <sup>1</sup> / <sub>2</sub>          | D 5 <sup>1</sup> / <sub>2</sub>          |
| Dia. Holes <sup>11</sup> / <sub>16</sub> | Dia. Holes <sup>11</sup> / <sub>16</sub> |
| DN 1 <sup>15</sup> / <sub>16</sub>       | DN 1 <sup>1</sup> / <sub>4</sub>         |
| G 3 <sup>3</sup> / <sub>4</sub>          | G 2 <sup>1</sup> / <sub>2</sub>          |
| M 4 <sup>15</sup> / <sub>16</sub>        | M 3 <sup>15</sup> / <sub>16</sub>        |
| Max thickness                            | Max thickness                            |