

**Customer**

## Technical data

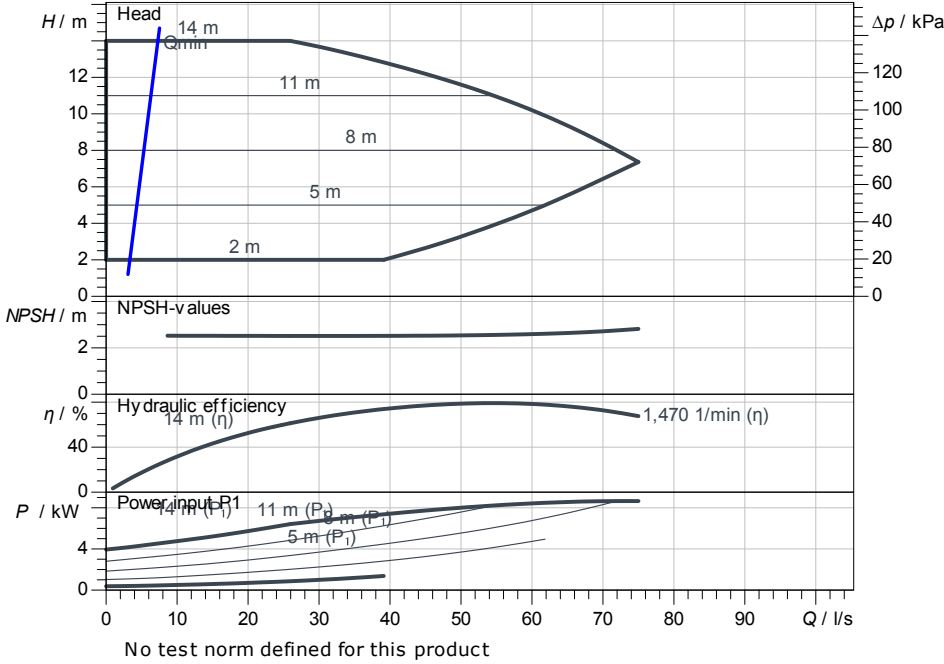
### Glanded standard high-efficiency pump Yonos GIGA-N 125/250-7.5/4-R1

Project ID: Untitled project 2025-03-04 09:37:01.987

Project name  
Installation location  
Customer pos. No.

Date: 2025-03-04

#### Duty chart



#### Requested data

Flow  
Head  
Media: Water 100 %  
Fluid temperature: 20.00 °C  
Density: 998.30 kg/m<sup>3</sup>  
Kin. viscosity: 1.00 mm<sup>2</sup>/s

#### Hydraulic data (Duty point)

Flow  
Head  
Shaft power P2  
Hydraulic efficiency  
NPSH  
Impeller size

#### Product data

Glanded standard high-efficiency pump  
Yonos GIGA-N 125/250-7.5/4-R1  
Max. operating pressure: 1,600 kPa  
Fluid temperature: -20 °C ... +140 °C  
Max. ambient temperature: 40 °C  
Minimum efficiency index (MEI): ≥ 0.4

#### Motordata per Motor/Pump

Motor efficiency level: IE4  
Mains connection: 3~ 400 V / 50 Hz  
Permitted voltage tolerance: +10 %  
Max. speed: 1,465 1/min  
Rated power P2: 7.50 kW  
Rated current: 13.40 A  
Power factor: 0.93  
Efficiency: 50% / 75% / 100% // %  
Degree of protection: IP55  
Insulation class: F  
Motor protection: PTC integrated

#### Fitting dimensions

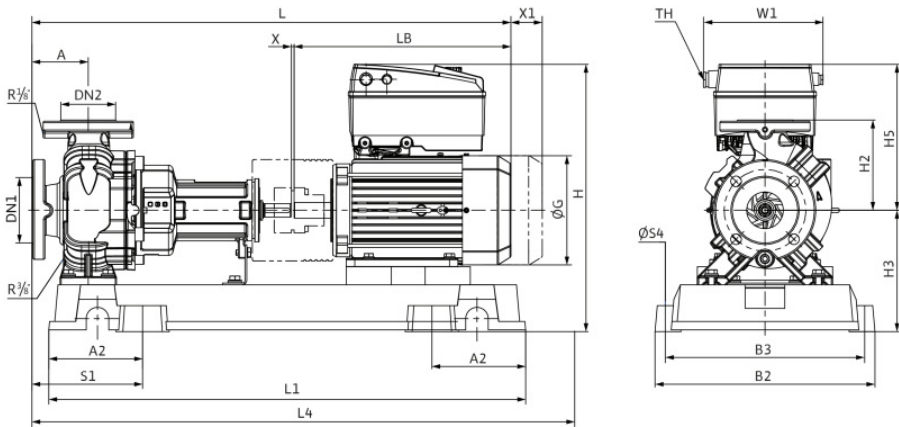
Pipe connection on the suction side: DN 150, PN 16  
Pipe connection (pressure side): DN 125, PN 16  
Port to Port

#### Materials

Pump housing: 5.1301/EN-GJL-250  
Impeller: EN-GJL-200  
Lantern: 5.1301/EN-GJL-250  
Shaft: 1.4021  
Shaft seal: AQ1EGG

#### Information for order placements

Weight approx.: 292 kg  
Item number: 6089008



#### Dimensions

mm

|    |     |     |         |    |       |    |       |
|----|-----|-----|---------|----|-------|----|-------|
| A  | 140 | DN1 | DN 150, | H5 | 294   | L3 | 840   |
| A2 | 225 | DN2 | DN 125, | HH | 346.5 | L4 | 1,320 |
| B1 | 0   | H   | 647     | L  | 1,370 | LB | 620   |
| B2 | 540 | H2  | 355     | L1 | 1,290 | LL | 306.2 |
| B3 | 490 | H3  | 353     | L2 | 225   | ØG | 254   |



Contact  
E-mail  
Phone

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## Hydraulic data

Glanded standard high-efficiency pump  
Yonos GIGA-N 125/250-7.5/4-R1

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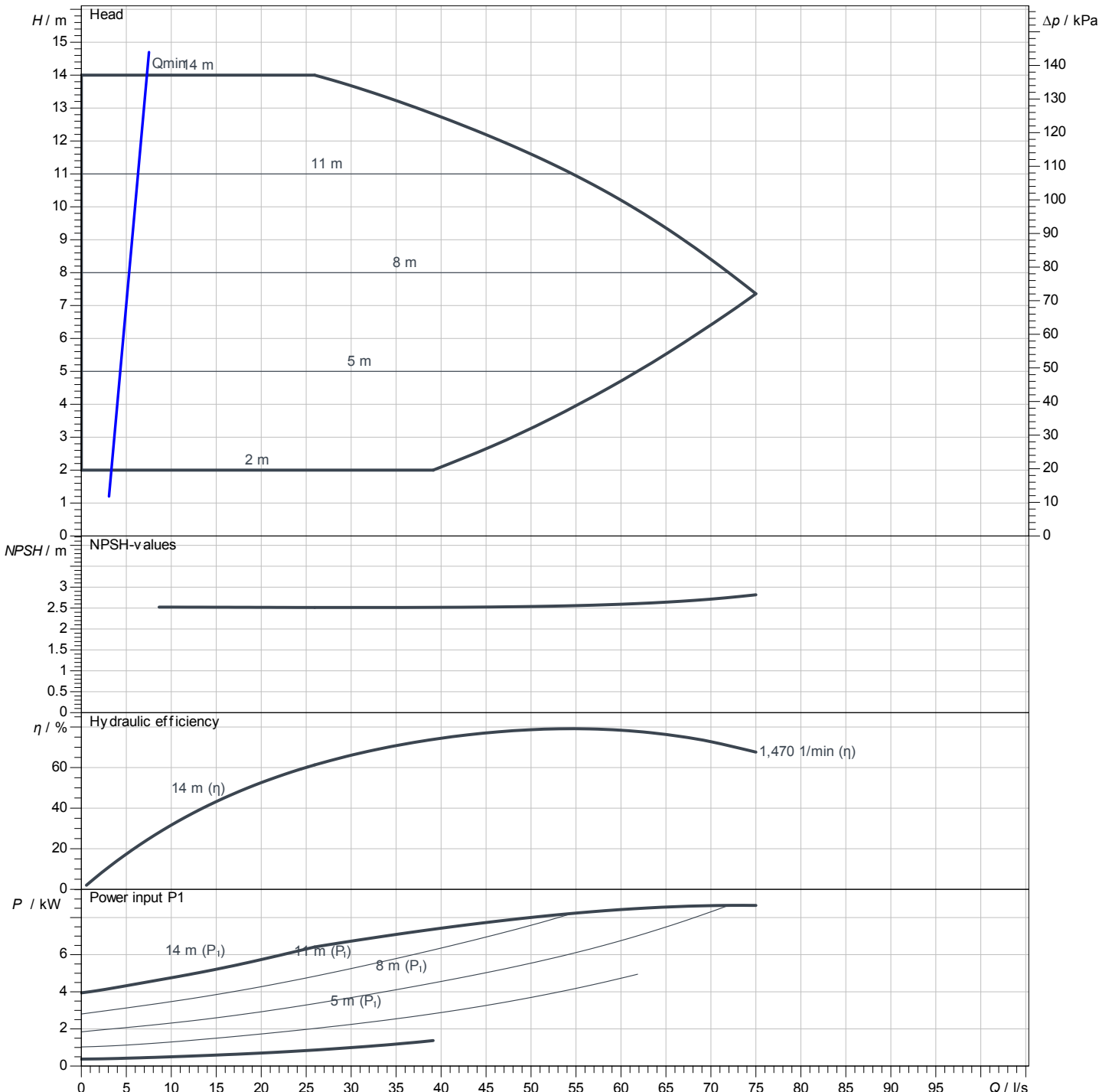
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## Operating data

|                                       |                           |                          |            |                               |                                 |
|---------------------------------------|---------------------------|--------------------------|------------|-------------------------------|---------------------------------|
| Rotational speed<br><b>1470 1/min</b> | Frequency<br><b>50 Hz</b> | Duty point<br><b>Q =</b> | <b>H =</b> | Suction port<br><b>DN 150</b> | Discharge port<br><b>DN 125</b> |
|---------------------------------------|---------------------------|--------------------------|------------|-------------------------------|---------------------------------|

Power data referred to: Water; 20°C; 998.3kg/m³; 1.005mm²/s ±10 % tolerance with linear U/f frequency control



No test norm defined for this product

Contact  
E-mail  
Phone

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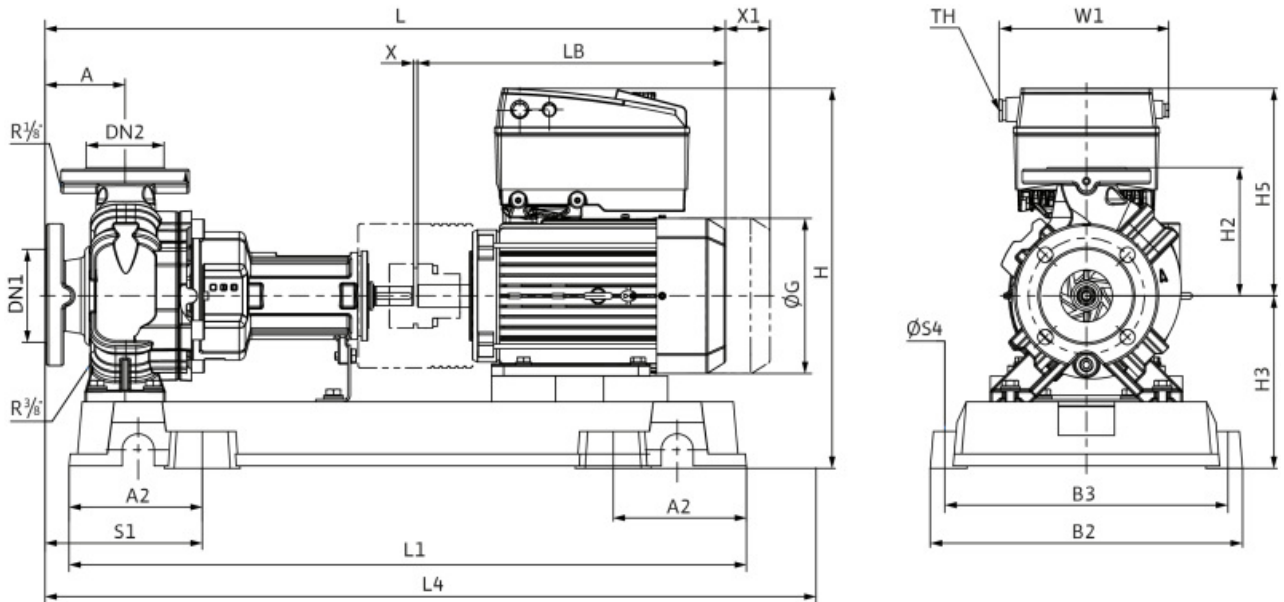
## Dimensions

Glanded standard high-efficiency pump  
Yonos GIGA-N 125/250-7.5/4-R1

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Coupling with spacer

Suction side                      DN 150, PN 16  
Discharge side                      DN 125, PN 16

**Dimensions**                      mm

| Name | Value         | Name | Value | Name | Value | Name | Value |
|------|---------------|------|-------|------|-------|------|-------|
| A    | 140           | H    | 647   | L2   | 225   | S4   | 24    |
| A2   | 225           | H2   | 355   | L3   | 840   | W1   | 263.1 |
| B1   | 0             | H3   | 353   | L4   | 1,320 | X    | 140   |
| B2   | 540           | H5   | 294   | LB   | 620   | X1   | 100   |
| B3   | 490           | HH   | 346.5 | LL   | 306.2 |      |       |
| DN1  | DN 150, PN 16 | L    | 1,370 | ØG   | 254   |      |       |
| DN2  | DN 125, PN 16 | L1   | 1,290 | S1   | 255   |      |       |