

Customer

Technical data

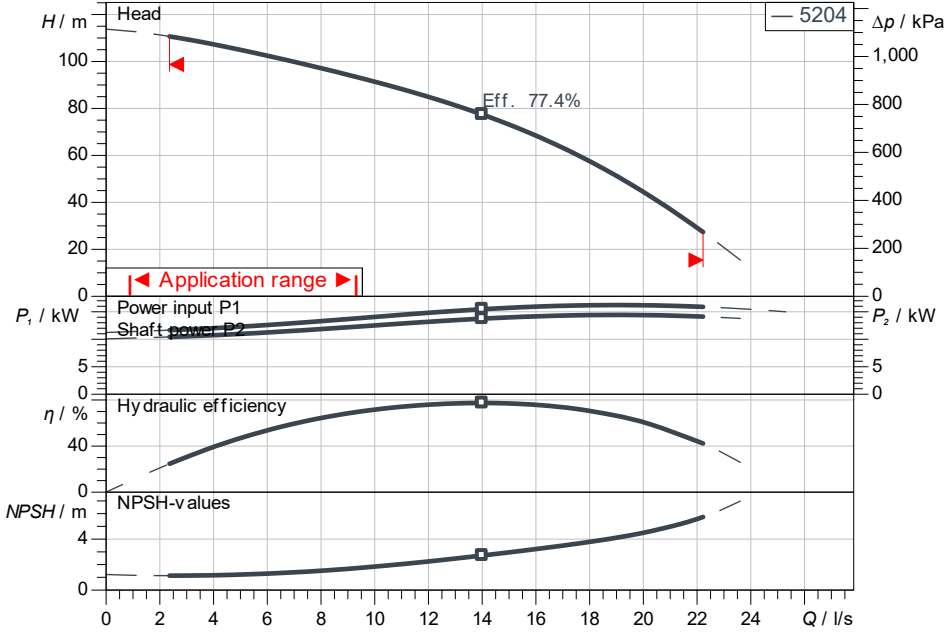
High-pressure multistage centrifugal pump Helix FIRST V 5204-5/16/E/KS/400-50

Project ID: Untitled project 2025-03-03 15:12:38.853

Project name
Installation location
Customer pos. No.

Date: 2025-03-03

Duty chart



Requested data

Flow
Head
Media: Water 100 %
Fluid temperature: 20.00 °C
Density: 998.30 kg/m³
Kin. viscosity: 1.00 mm²/s

Hydraulic data (Duty point)

Flow
Head
Shaft power P2
Hydraulic efficiency
NPSH

Product data

High-pressure multistage centrifugal pump
Helix FIRST V 5204-5/16/E/KS/400-50
Max. operating pressure: 1,600 kPa
Inlet pressure max.: 16 bar
Fluid temperature: -20 °C ... +120 °C
Max. ambient temperature: 50 °C
Minimum efficiency index (MEI): ≥ 0.7

Motordata per Motor/Pump

Motor efficiency level: IE3
Mains connection: 3~ 400 V / 50 Hz
Permitted voltage tolerance: +10 %
Max. speed: 2,900 1/min
Rated power P2: 15.00 kW
Rated current: 26.70 A
Power factor: 0.88
Service factor: 1.15
Efficiency: 50% / 75% / 100% → 90.2/91.8/91.9%
Degree of protection: IP55
Insulation class: F
Motor protection: No

Fitting dimensions

Pipe connection on the suction side: DN 80, PN 16
Pipe connection (pressure side): DN 80, PN 16

Materials

Pump housing: 5.1301/EN-GJL-250
Impeller: 1.4307
Shaft: 1.4057
Shaft seal: BQ7EGG
Gasket material: EPDM

Information for order placements

Weight approx.: 188 kg
Item number: 4215247

ISO 9906: 2012 3B

Dimensions

H: 1,46
H2: 982
ØM: 305
X: 218
X: 200

mm

