

**Customer**

# Technical data

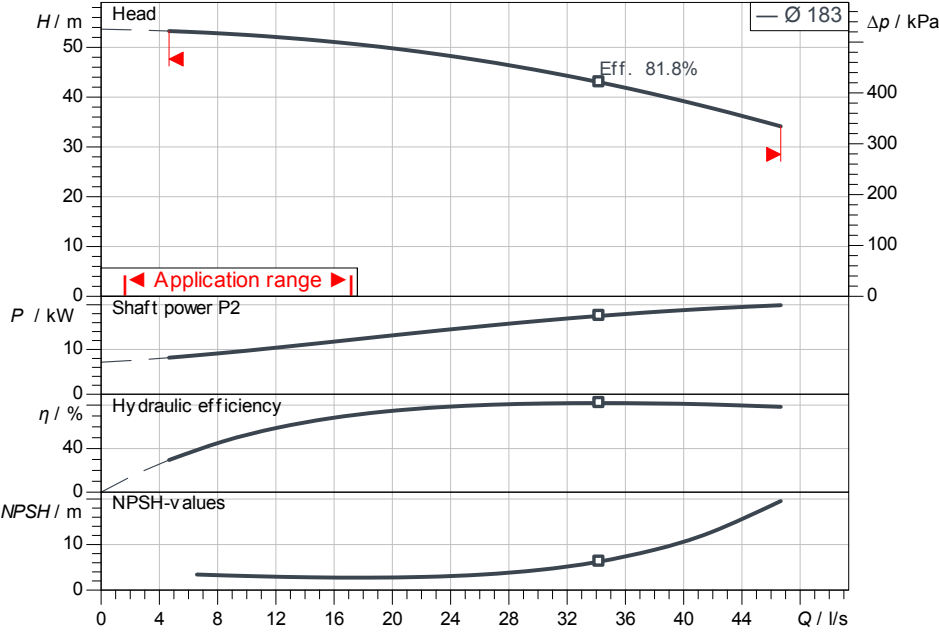
## Glanded standard single pump Atmos GIGA-I 80/160-22/2

Project ID: Untitled project 2025-03-01 19:22:28.264

Project name  
Installation location  
Customer pos. No.

Date: 2025-03-01

### 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 $P_2$	
Hydraulic efficiency	
NPSH	

### Product data

Glanded standard single pump	
Atmos GIGA-I 80/160-22/2	
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	IE3
Mains connection	3~ 400 V / 50 Hz
Permitted voltage tolerance	+/- 10 %
Rated speed	2,900 1/min
Rated power $P_2$	22.00 kW
Rated current	38.50 A
Power factor	0.9
Efficiency	
50% / 75% / 100%	91.7/92.9/92.7%
Degree of protection	IP55
Insulation class	F
Motor protection	PTC integrated

### Fitting dimensions

Pipe connection on the suction side	DN 80, PN 16
Pipe connection (pressure side)	DN 80, PN 16
Port to Port	440 mm

### Materials

Pump housing	5.1301, EN-GJL-250 cataphoretic-coated
Impeller	EN-GJL-200
Lantern	5.1301, EN-GJL-250 cataphoretic-coated
Shaft	1.4122
Shaft seal	AQ1EGG

### Information for order placements

Weight approx.	270 kg
Item number	2222604

