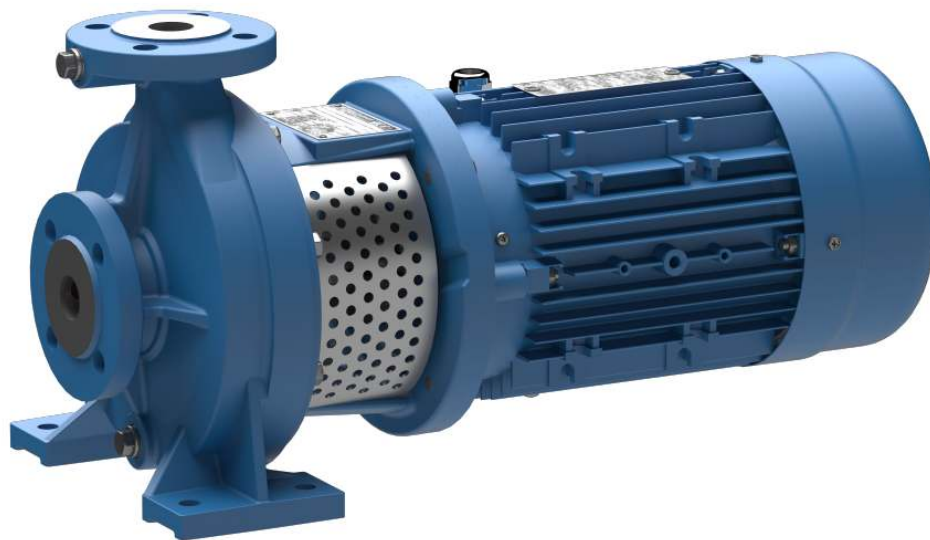




Centrifugal Pump Solutions

Characteristic Curve Booklet

Series NB



Doc No.: 192-275
Version: 0
Date: 02.05.2024

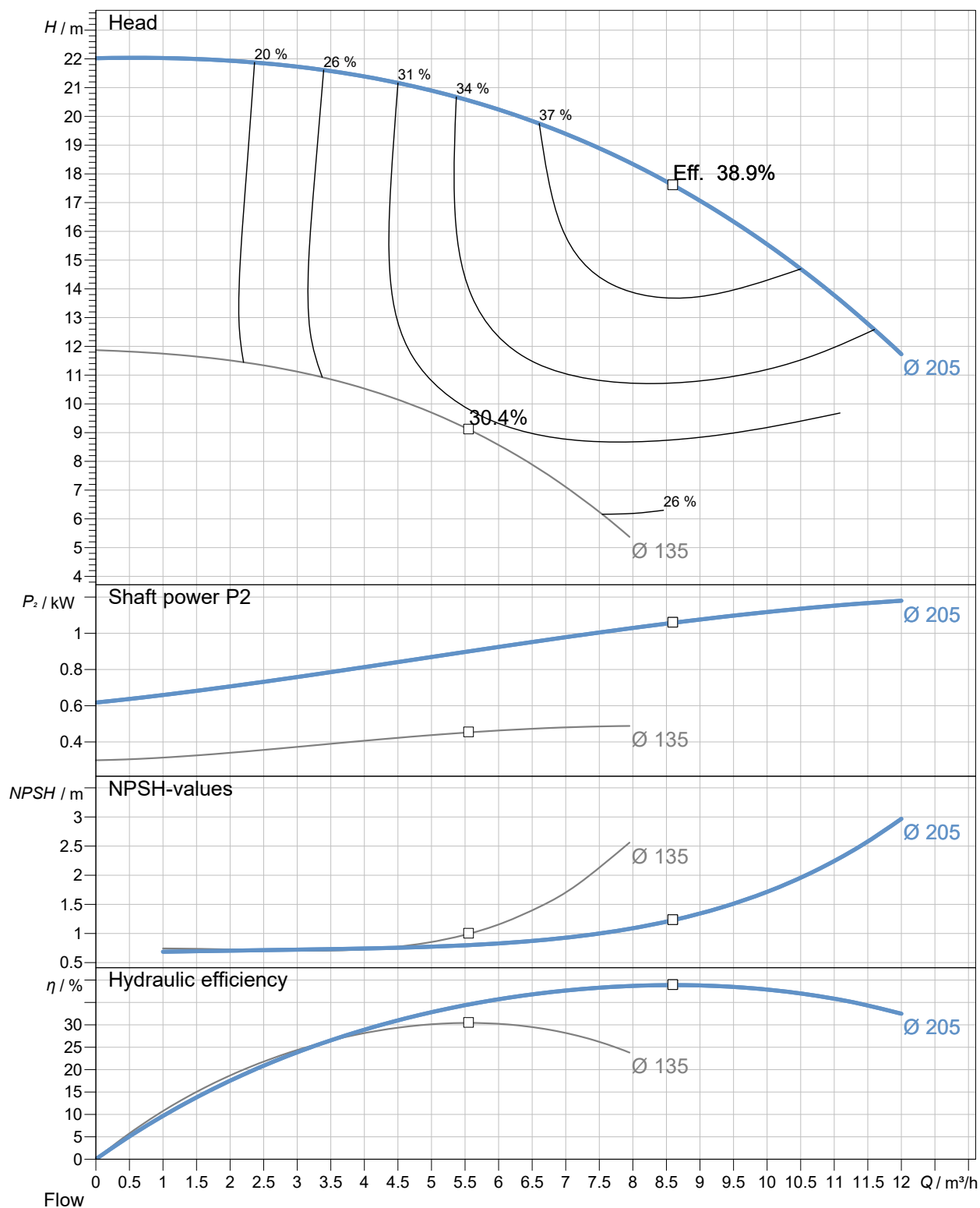
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NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**
Minimum capacity **Q_{min} = 0.1 * Q_{opt}**
Attention! At temperature $t < -10^{\circ}\text{C}$ please note materials!

Item
Pos.no.

Created by

Date

Power data referred to:

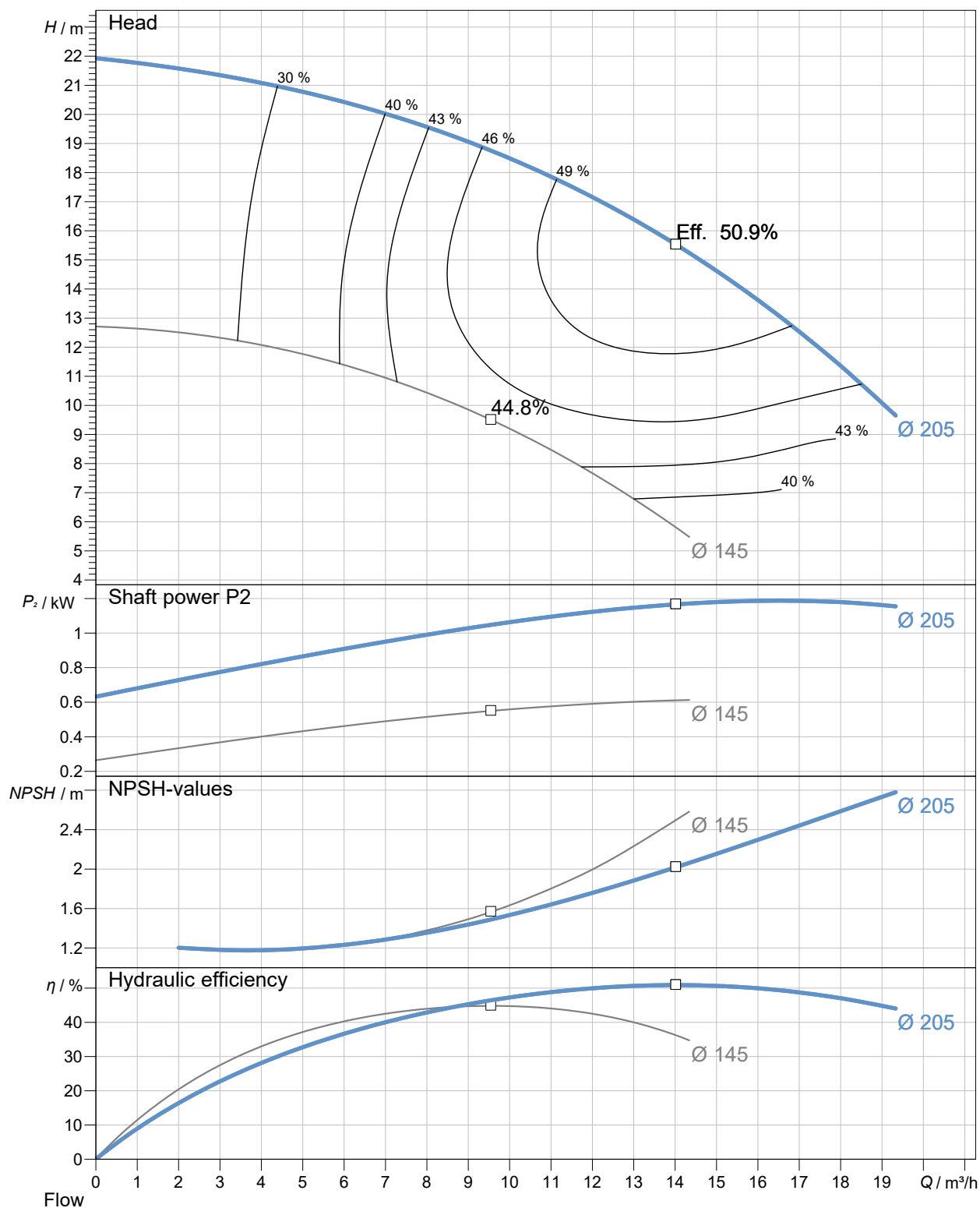
Water

Q **H** **P** **rated Torque** **Vis** **Temp** **Density**
1) **2)** **1.00 mm²/s** **20.0 °C** **0.998 kg/dm³**

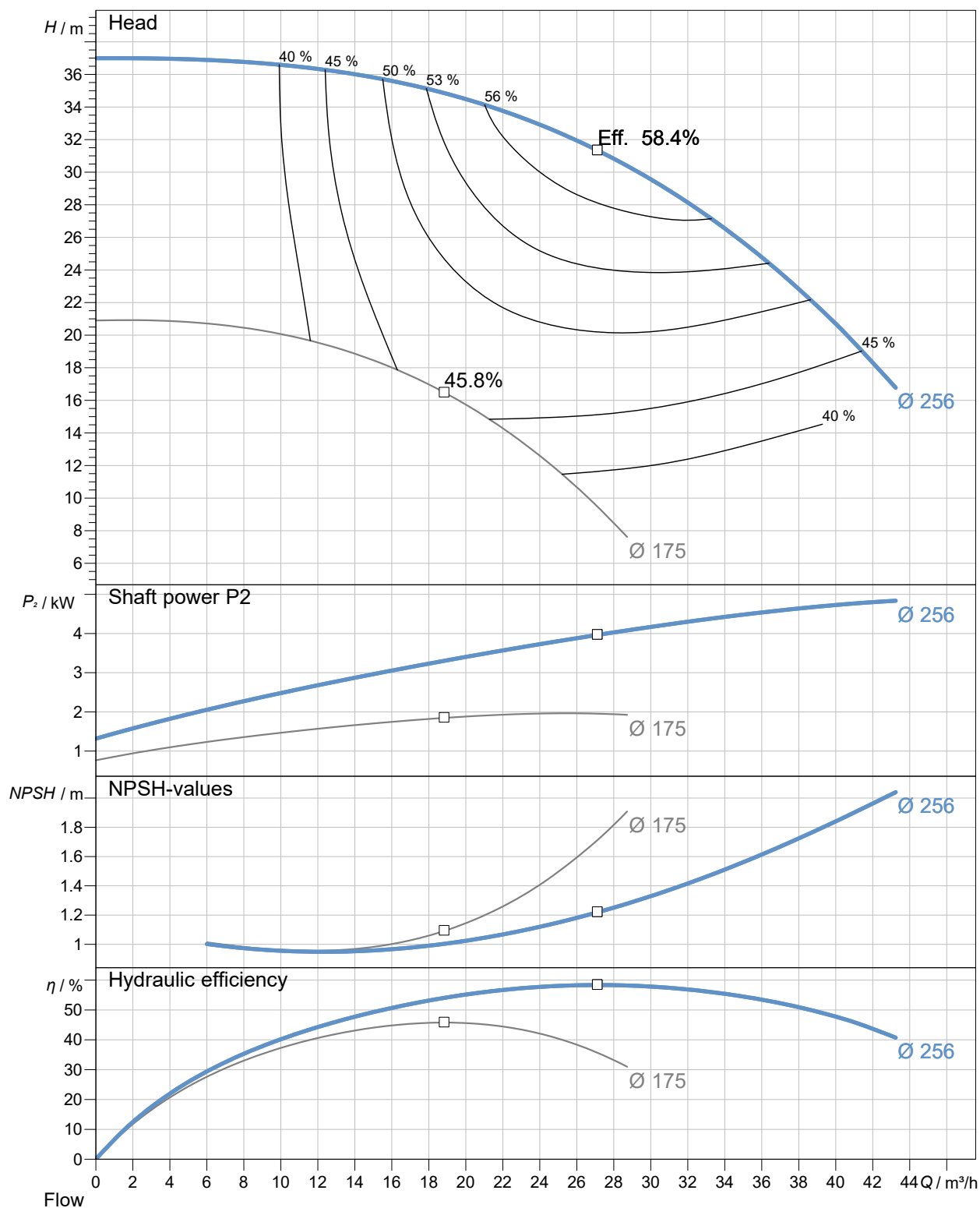
Speed
1450 1/min

Impeller Ø
205 mm

NPSH-value without safety margins



NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

$Q_{min} = 0.1 \cdot Q_{opt}$

Attention! Please note the maximum motor power, motor power limit 37 kW (motor typ 200L).

Power data referred to:

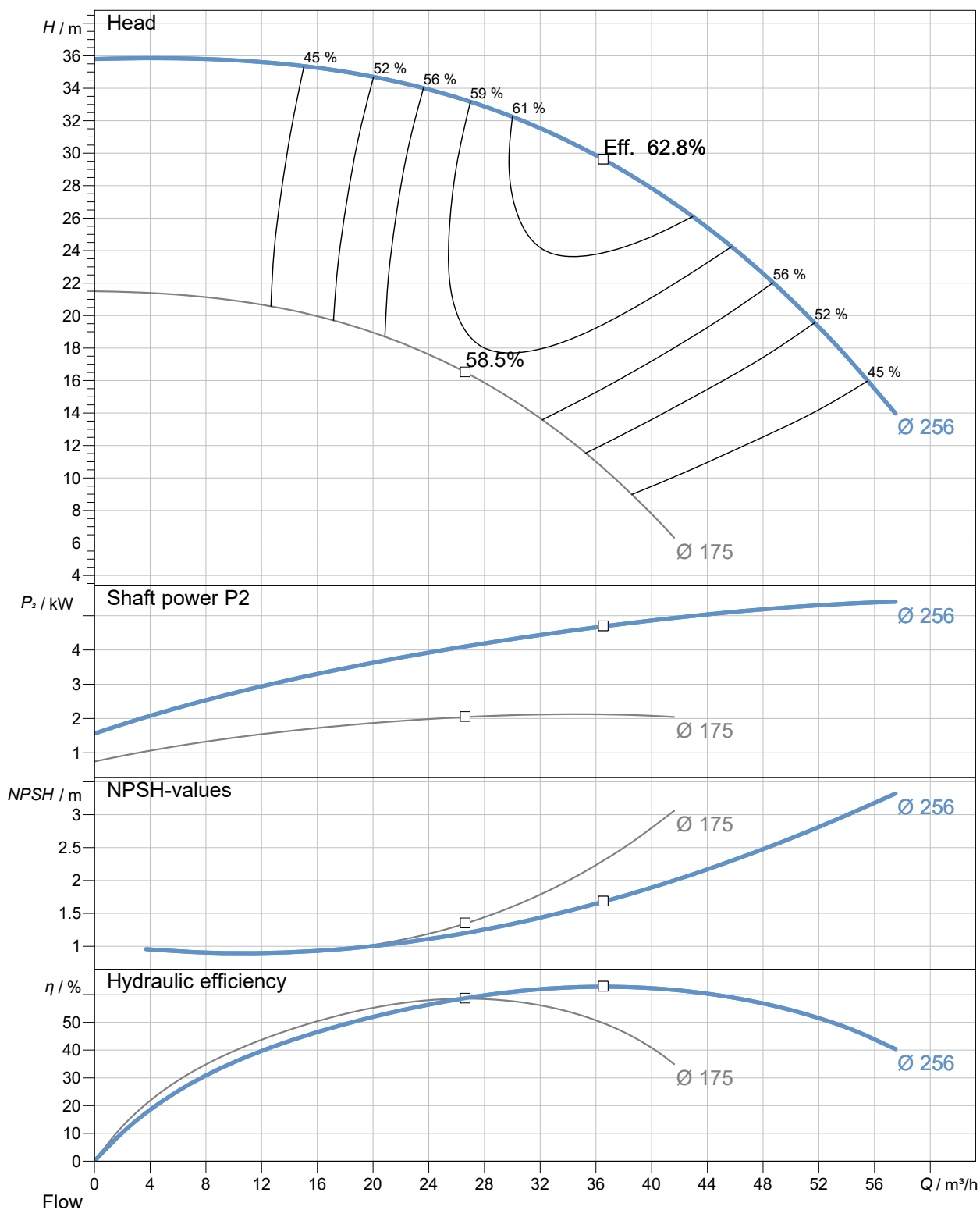
Water

Q **H** **P** **rated Torque** **Vis** **Temp** **Density**
1) **2)** **1.00 mm²/s** **20.0 °C** **0.998 kg/dm³**

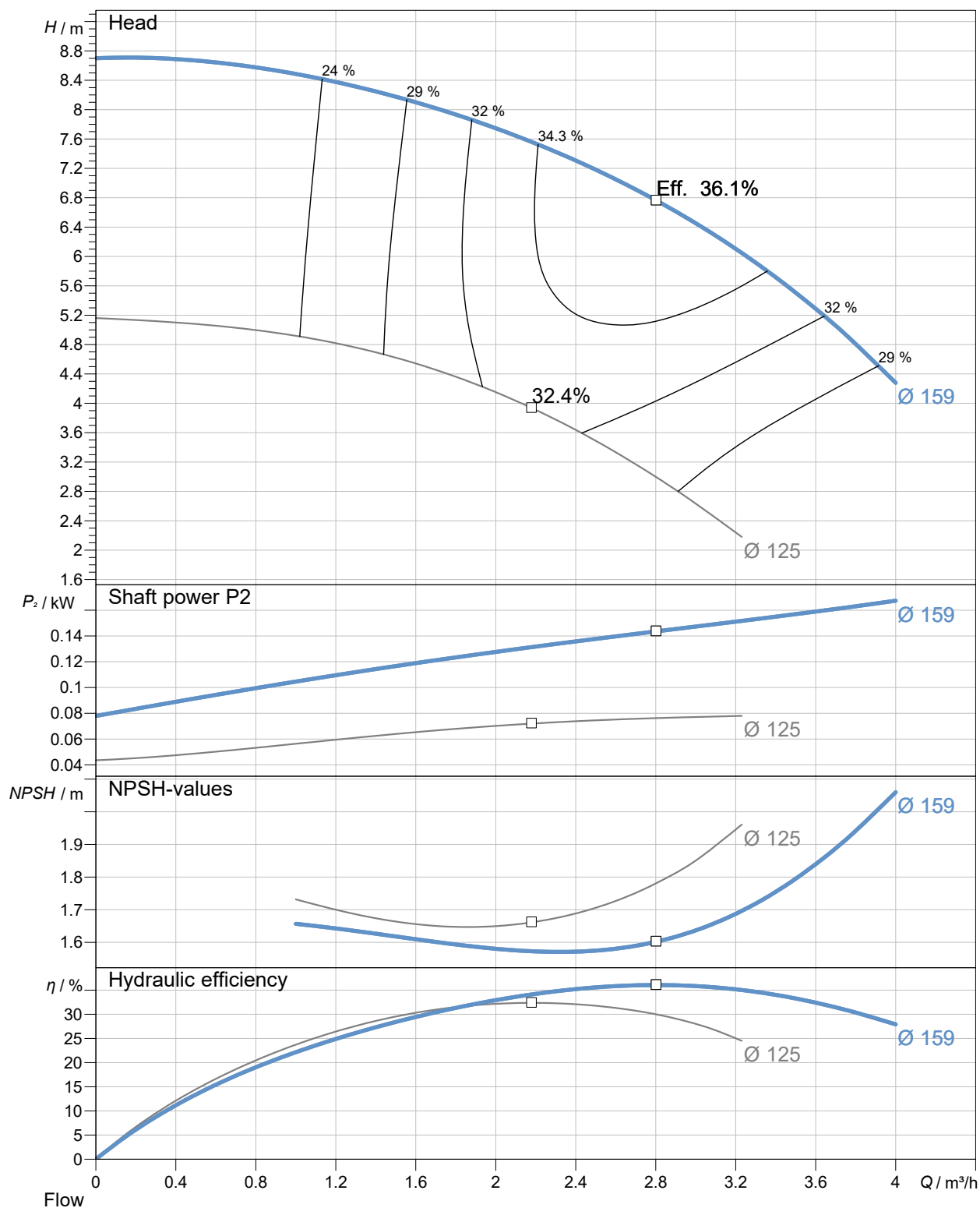
Speed
1450 1/min

Impeller Ø
256 mm

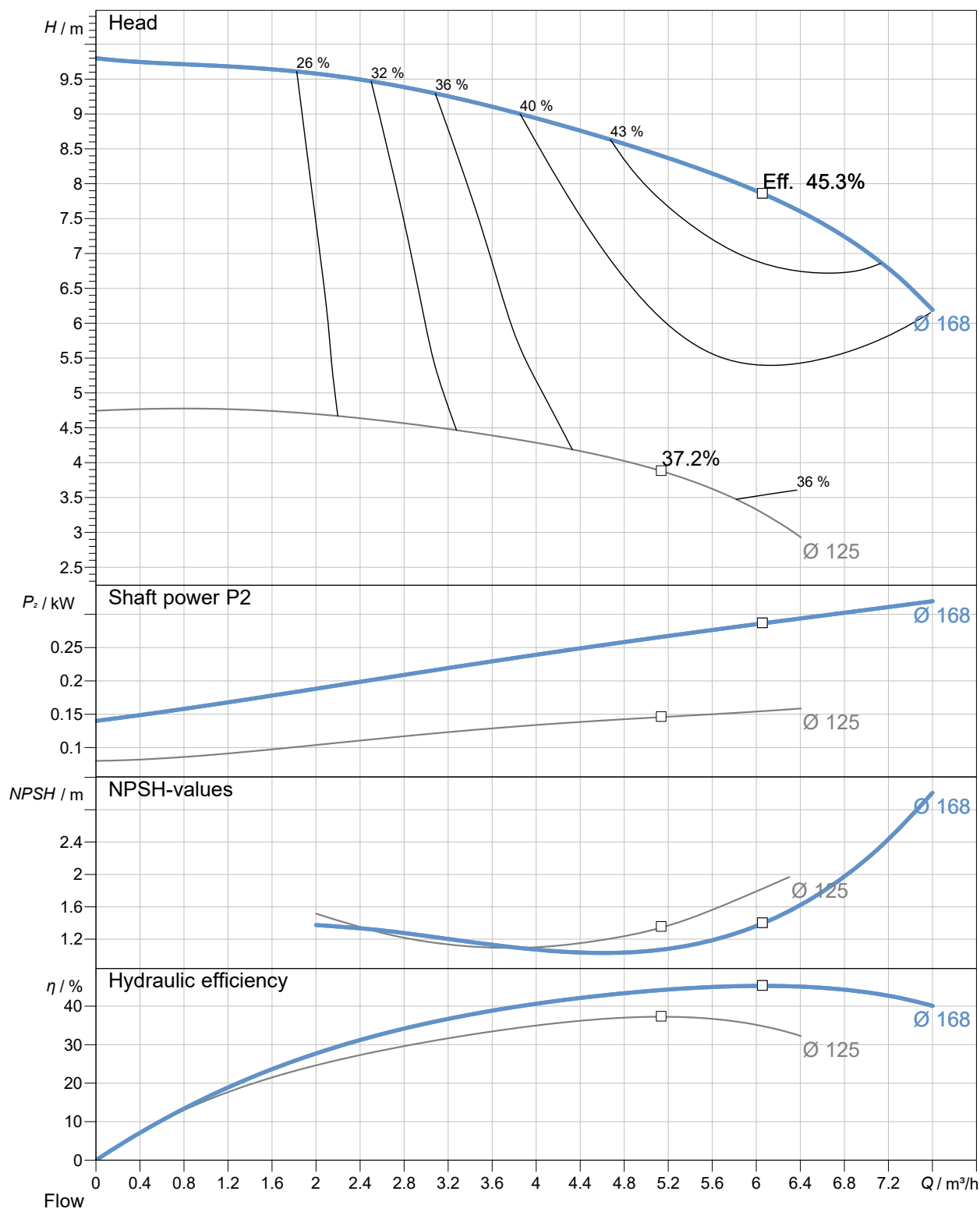
NPSH-value without safety margins



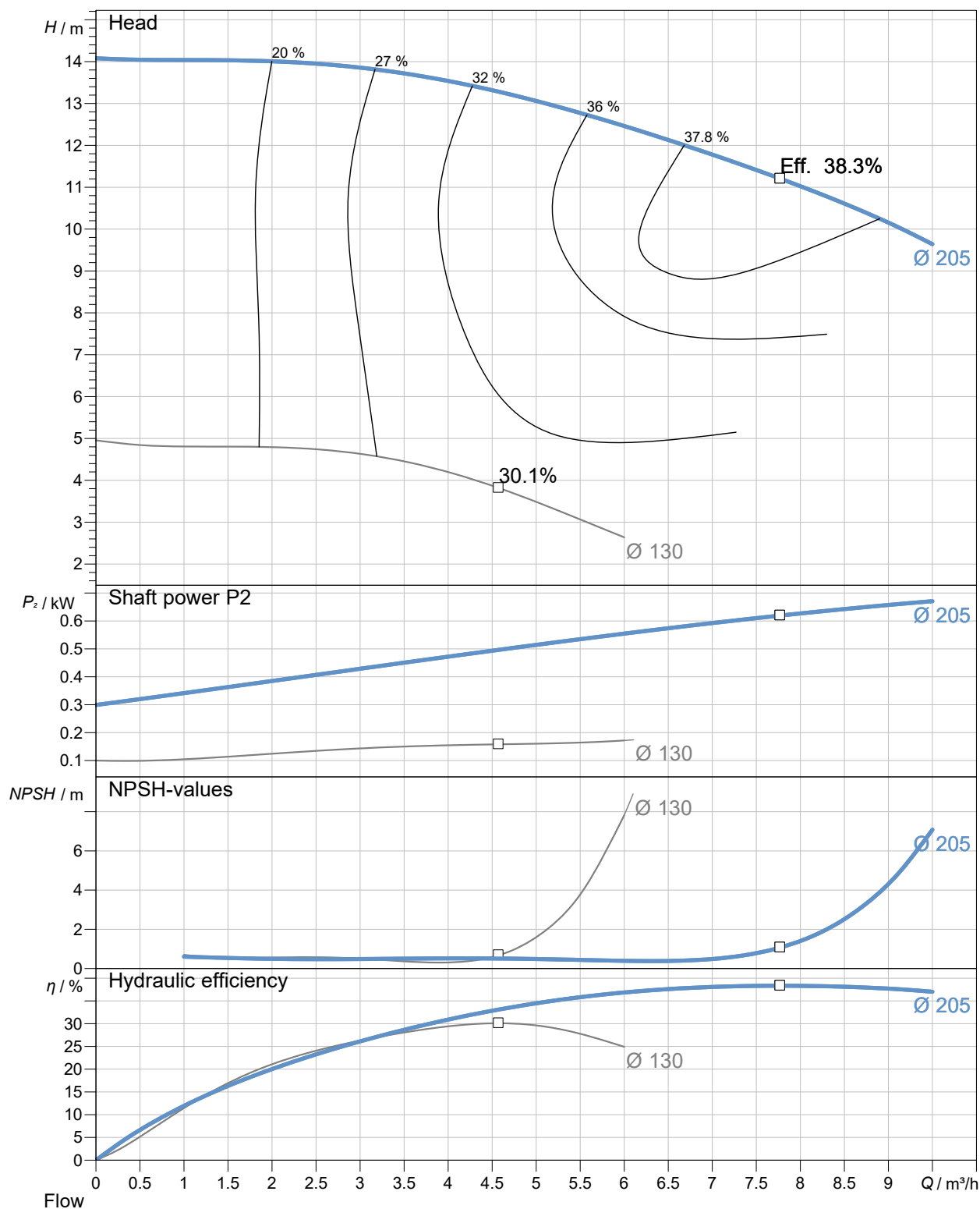
NPSH-value without safety margins



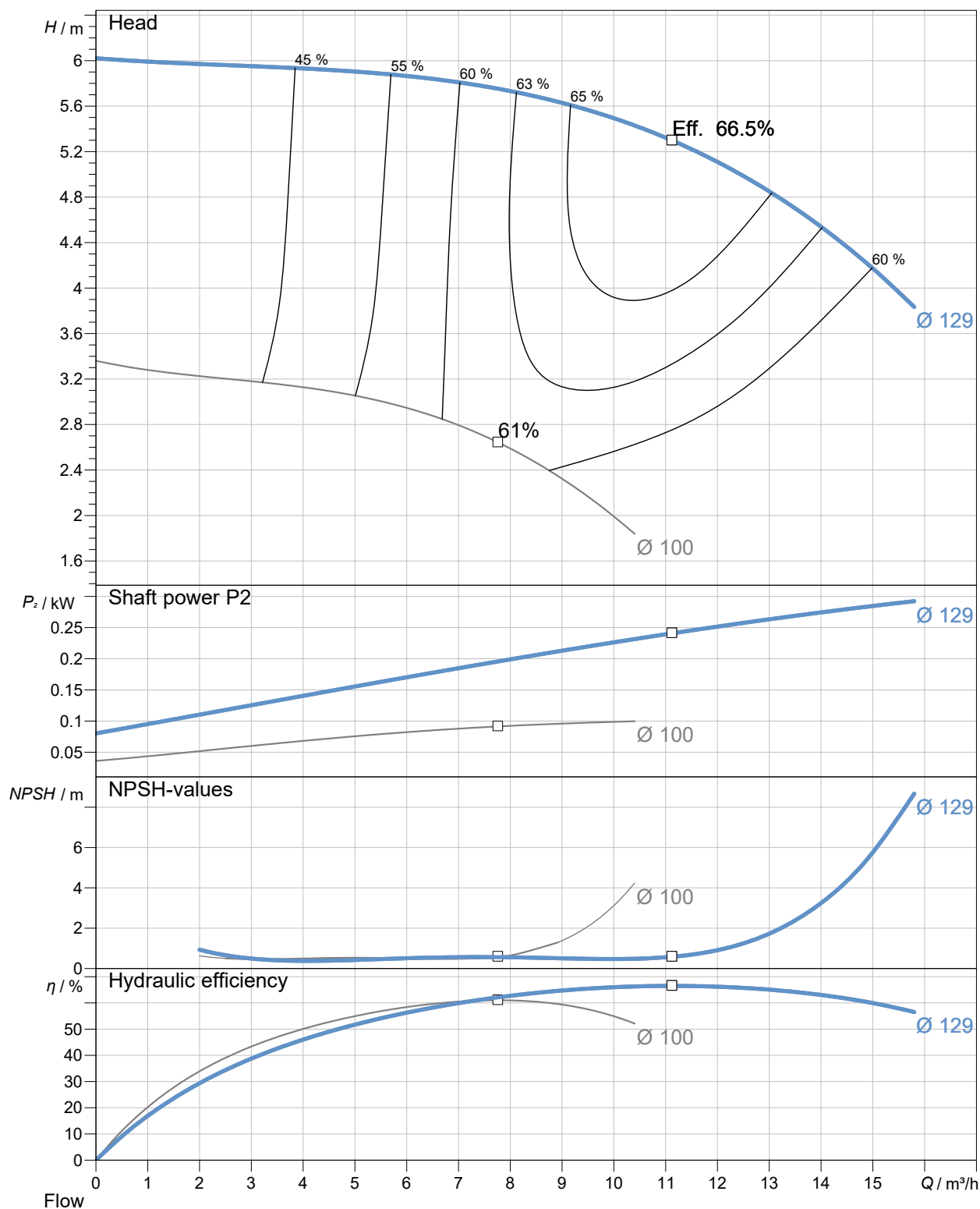
NPSH-value without safety margins



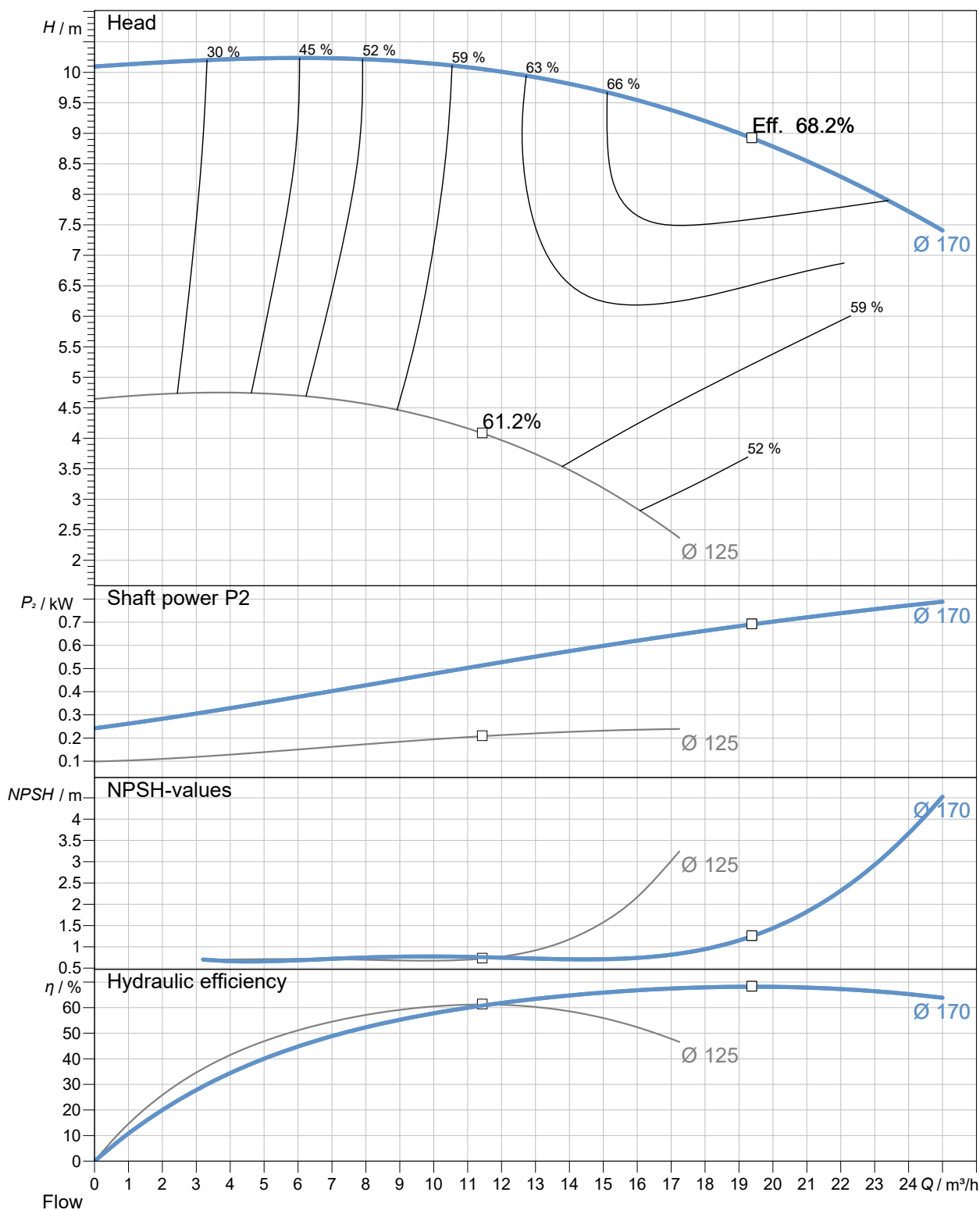
NPSH-value without safety margins



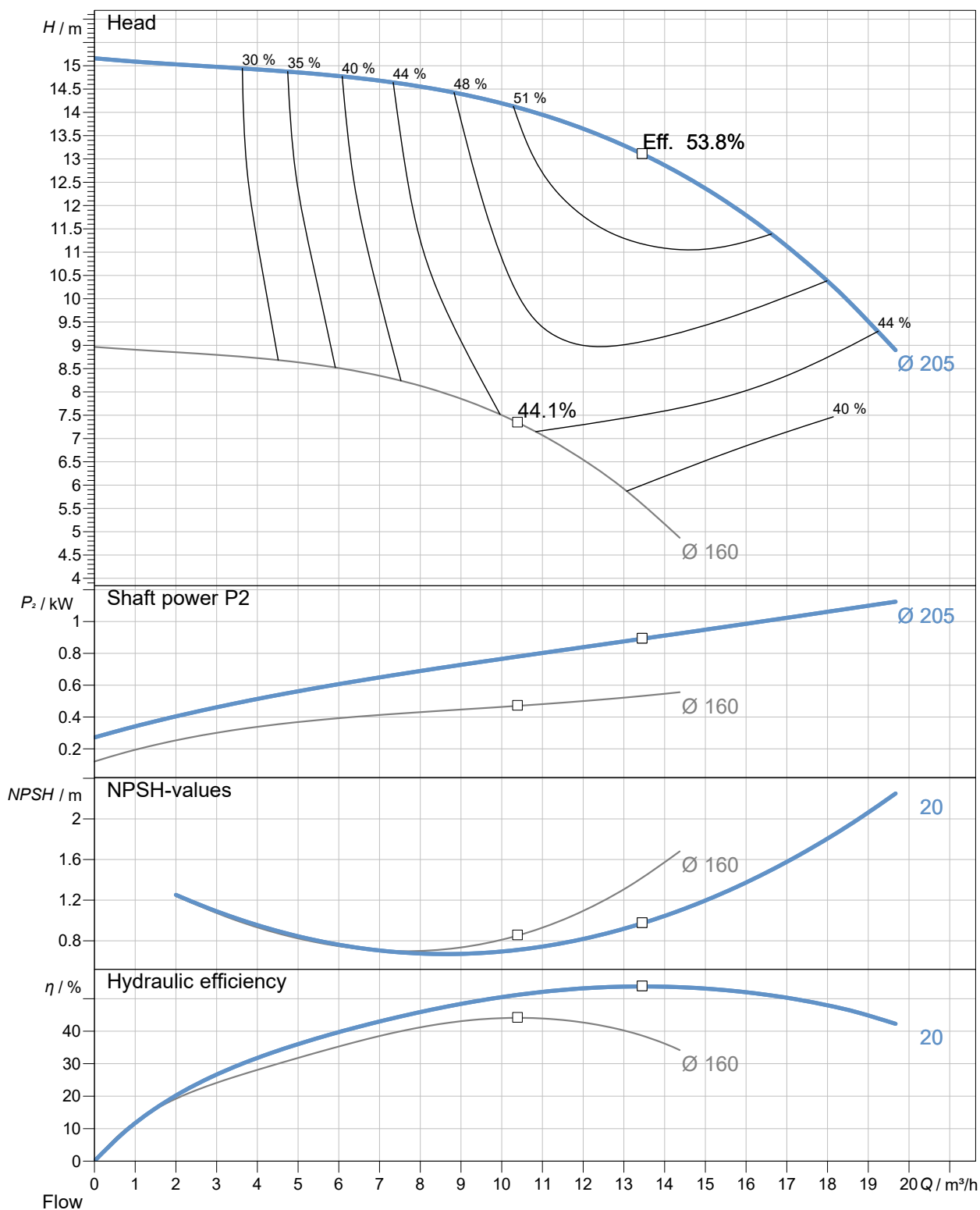
NPSH-value without safety margins



NPSH-value without safety margins



NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity **Q_{min} = 0.1 * Q_{opt}**

Attention! At temperature $t < -10^{\circ}\text{C}$ please note materials!

Power data referred to:

Water

Q	H	P	rated Torque	Vis	Temp	Density
1) Q				1.00 mm ² /s	20.0 °C	0.998 kg/dm ³
2) H						

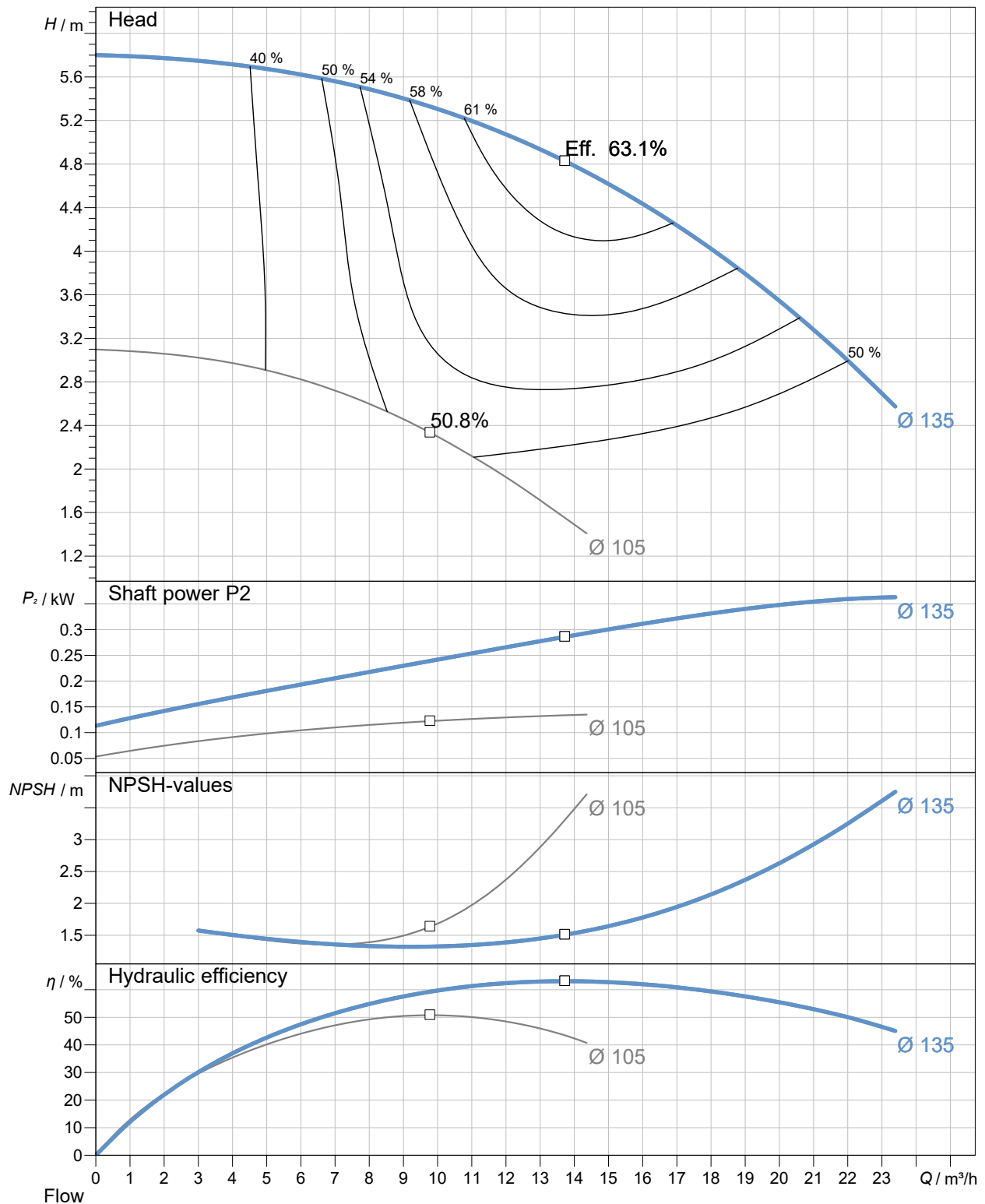
Speed

1450 1/min

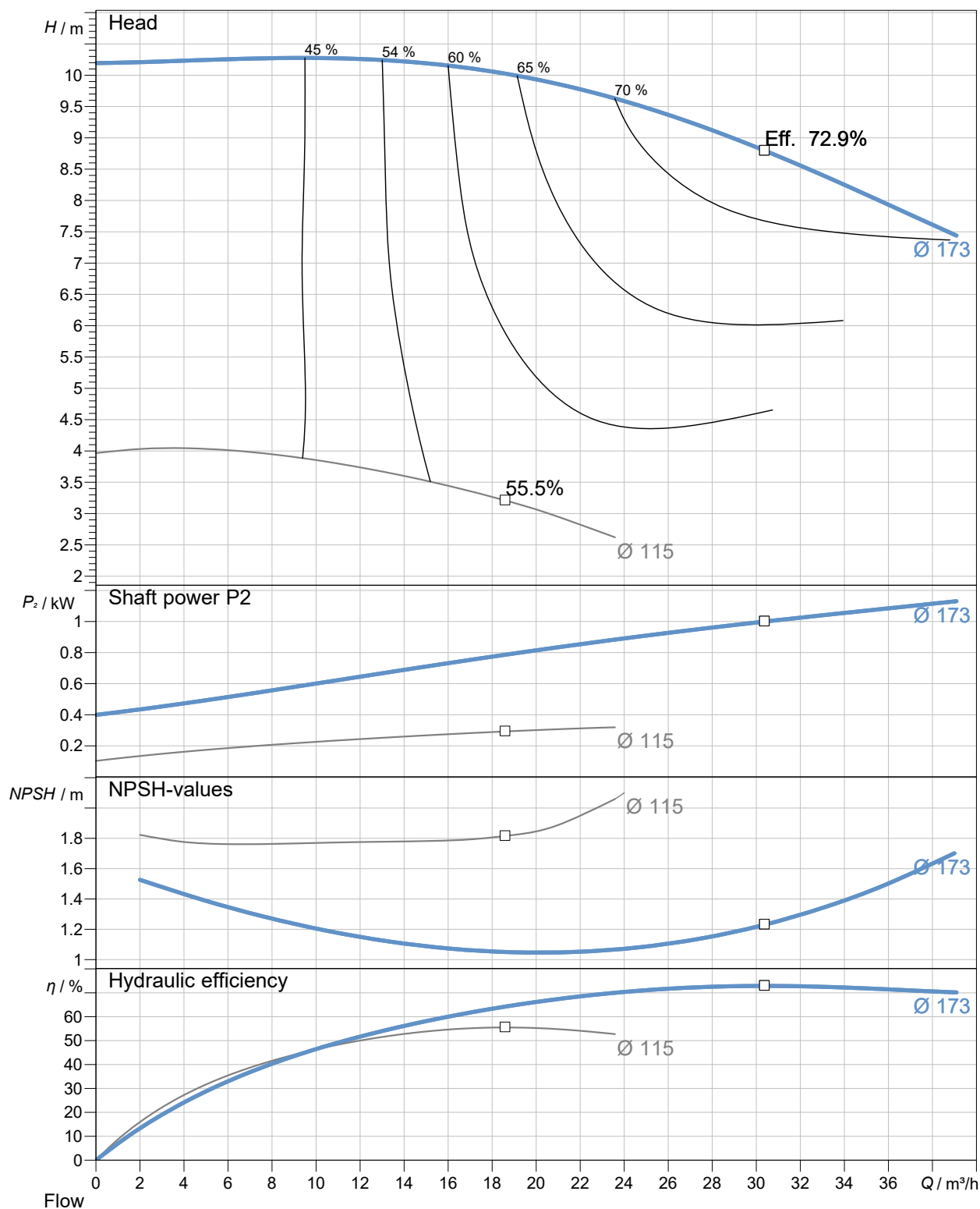
Impeller Ø

135 mm

NPSH-value without safety margins



NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

$Q_{min} = 0.1 \cdot Q_{opt}$

Attention! At temperature $t < -10^{\circ}\text{C}$ please note materials!

Power data referred to:

Water

	Q	H	P	rated Torque	Vis	Temp	Density
					1.00 mm²/s	20.0 °C	0.998 kg/dm³
1)							
2)							

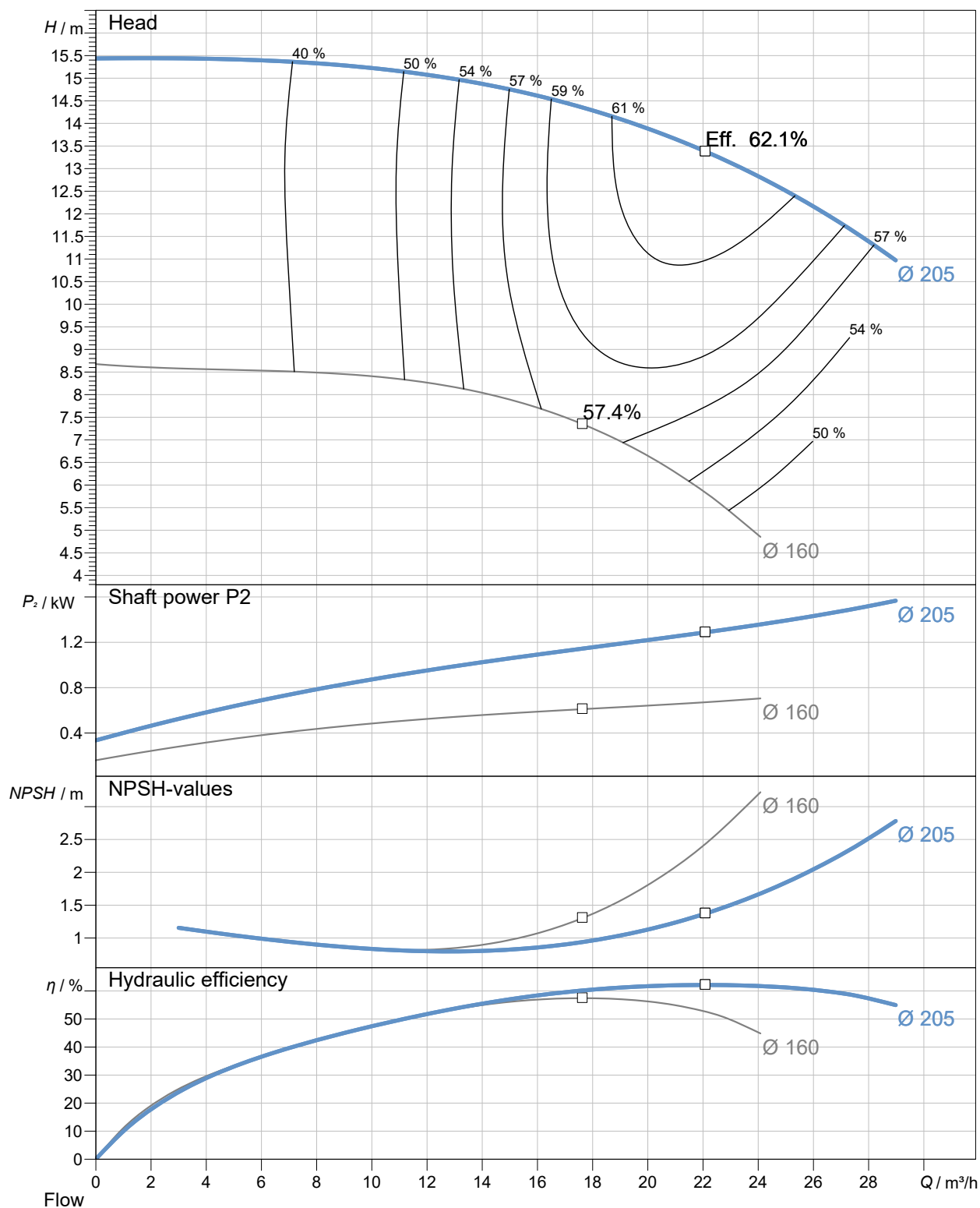
Speed

1450 1/min

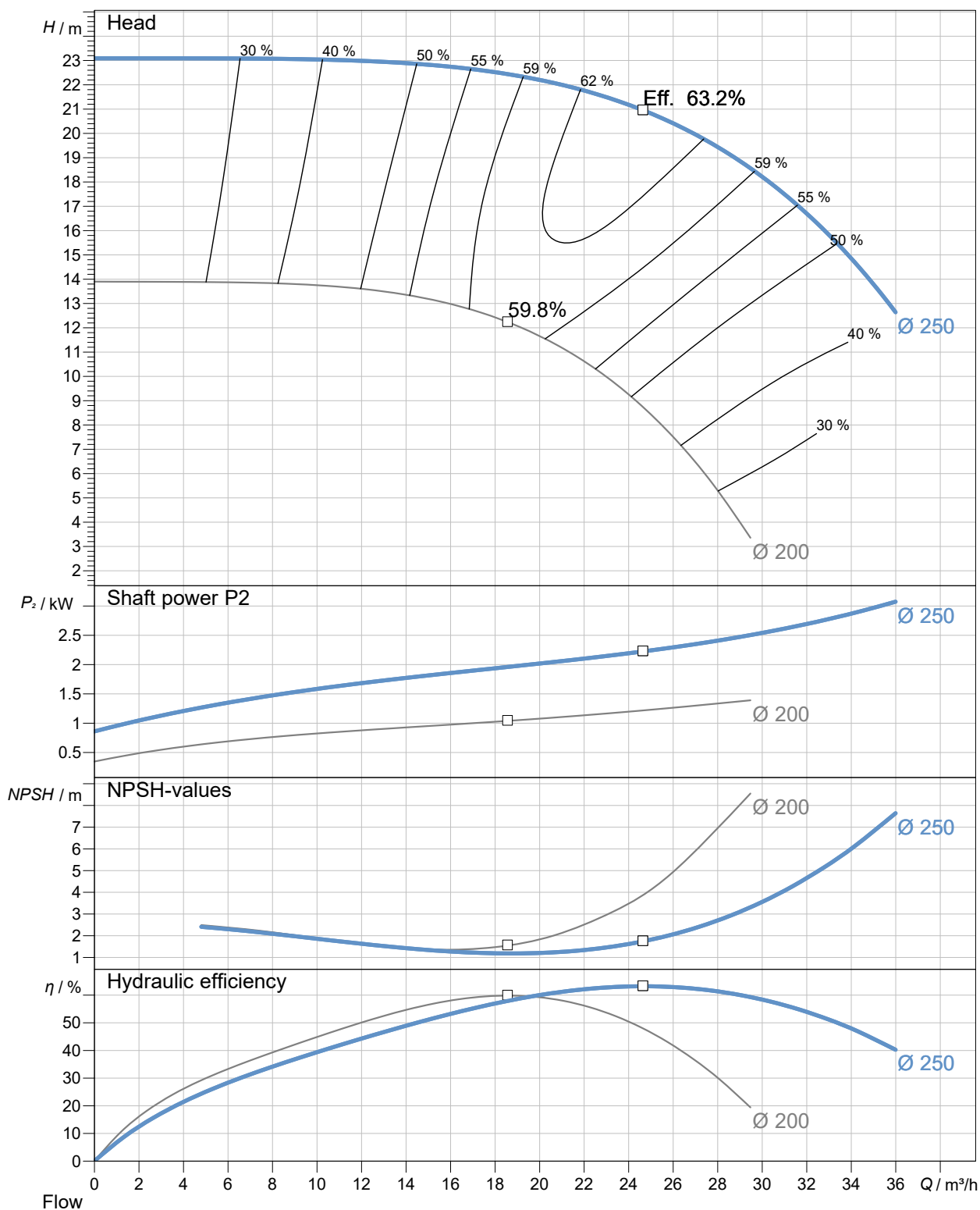
Impeller Ø

205 mm

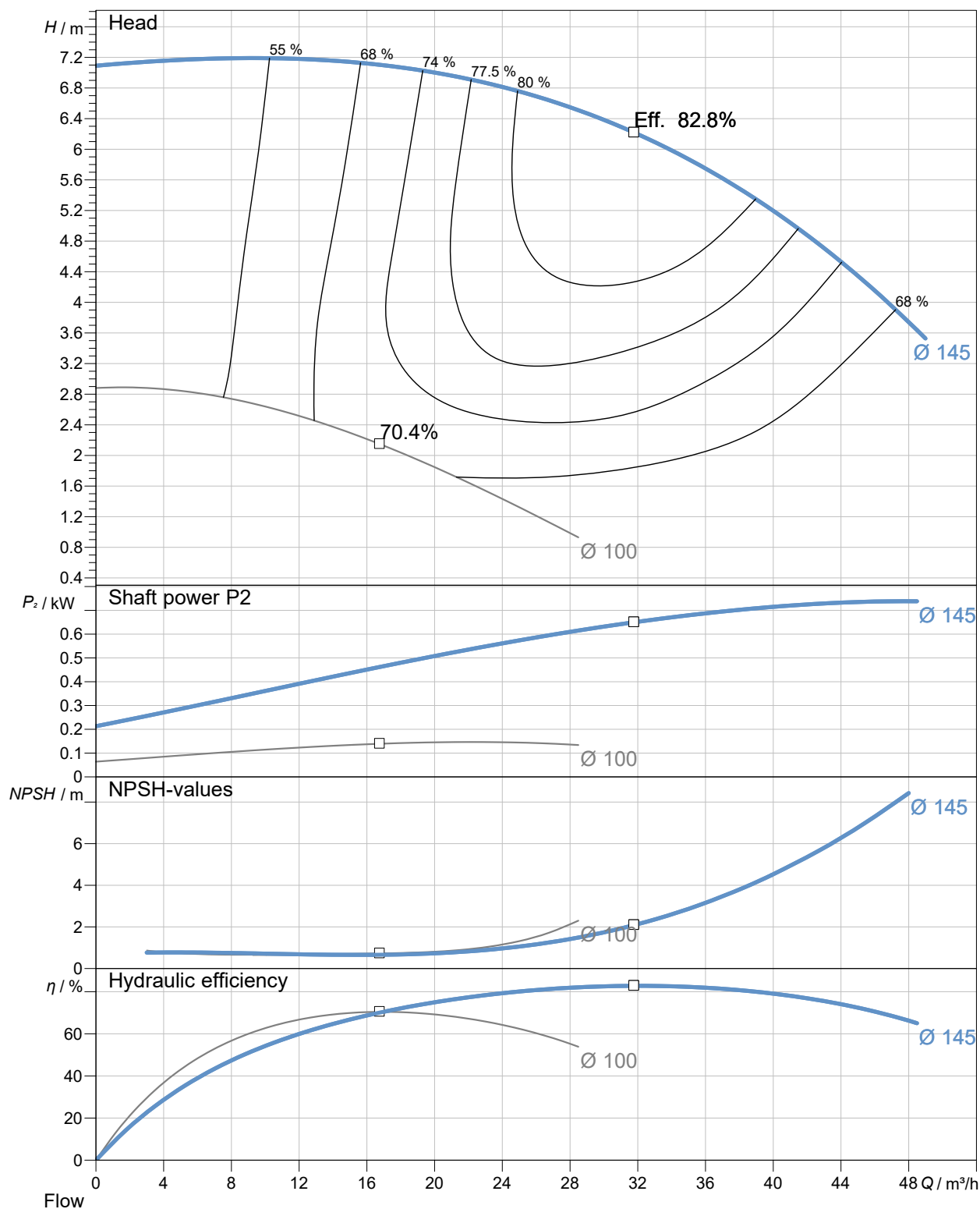
NPSH-value without safety margins



NPSH-value without safety margins



NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

$Q_{min} = 0.1 \cdot Q_{opt}$

Attention! At temperature $t < -10^{\circ}\text{C}$ please note materials!

Power data referred to:

Water

	Q	H	P	rated Torque	Vis 1.00 mm ² /s	Temp 20.0 °C	Density 0.998 kg/dm ³
1)							
2)							

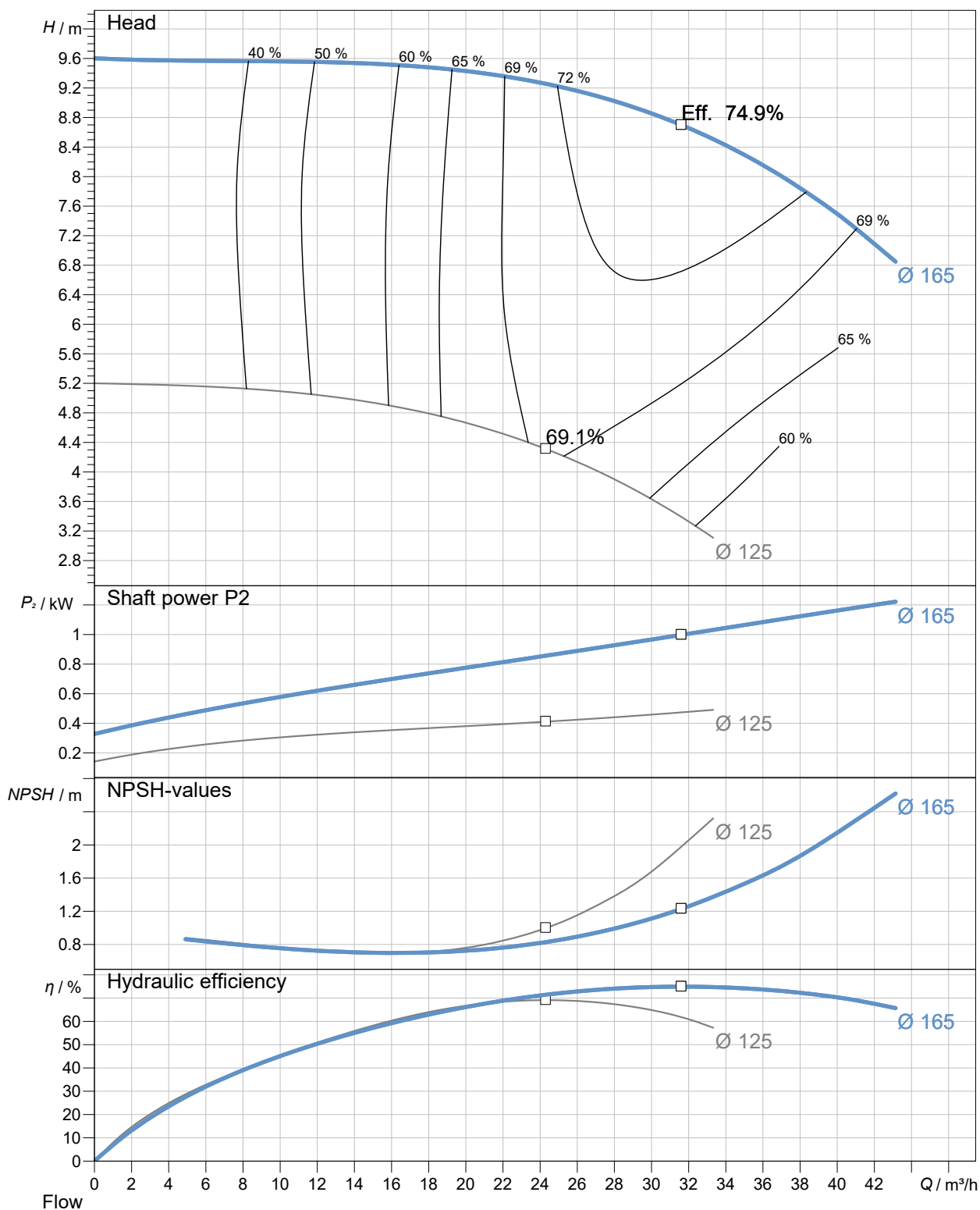
Speed

1450 1/min

Impeller Ø

165 mm

NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

$Q_{min} = 0.1 \cdot Q_{opt}$

Attention! Please note the maximum motor power, motor power limit 37 kW (motor typ 200L).

Power data referred to:

Water

	Q	H	P	rated Torque	Vis 1.00 mm ² /s	Temp 20.0 °C	Density 0.998 kg/dm ³
1)							
2)							

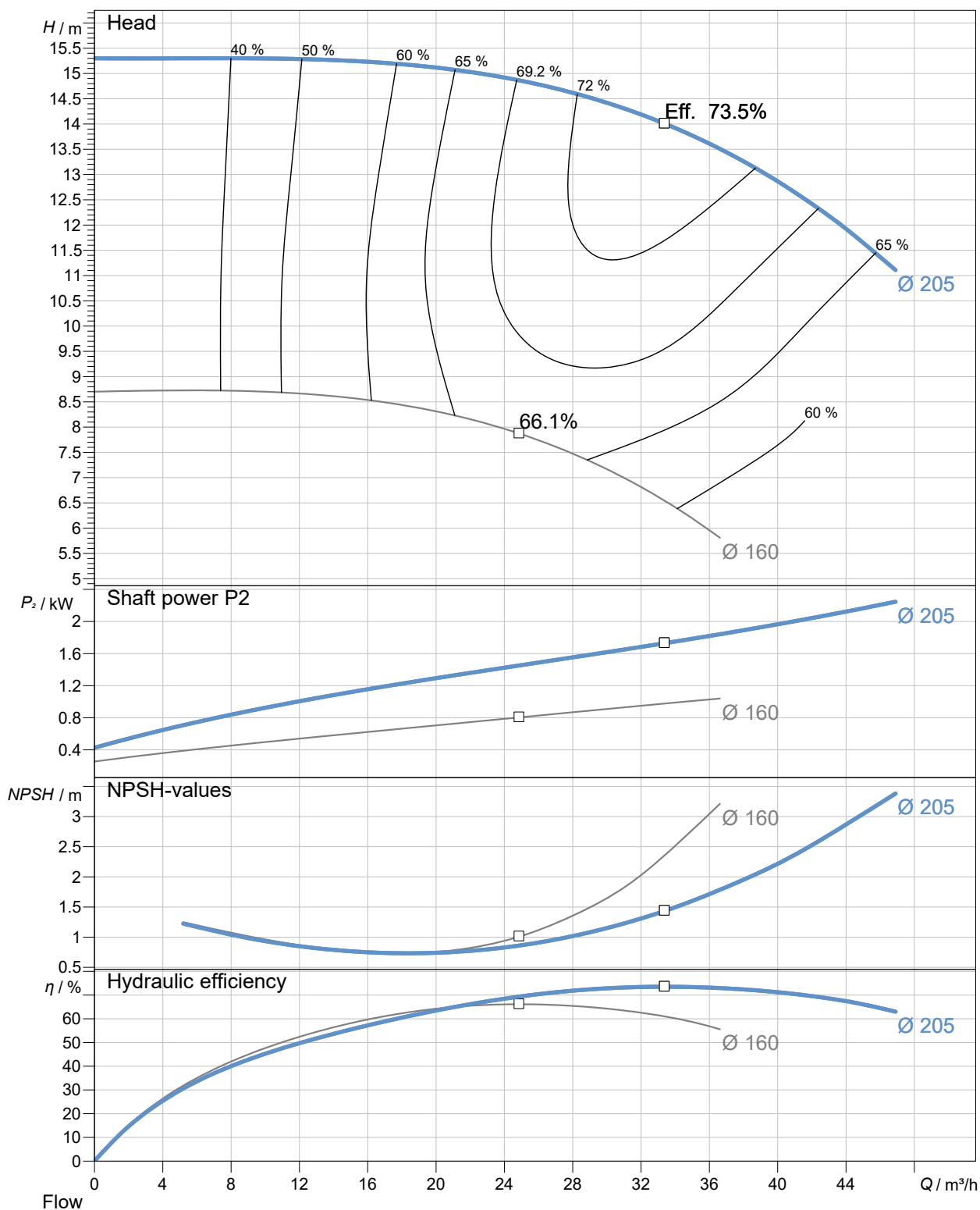
Speed

1450 1/min

Impeller Ø

205 mm

NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

$Q_{min} = 0.1 \cdot Q_{opt}$

Attention! Please note the maximum motor power, motor power limit 37 kW (motor typ 200L).

Power data referred to:

Water

Q **H** **P** **rated Torque** **Vis** **Temp** **Density**
1) **2)** **1.00 mm²/s** **20.0 °C** **0.998 kg/dm³**

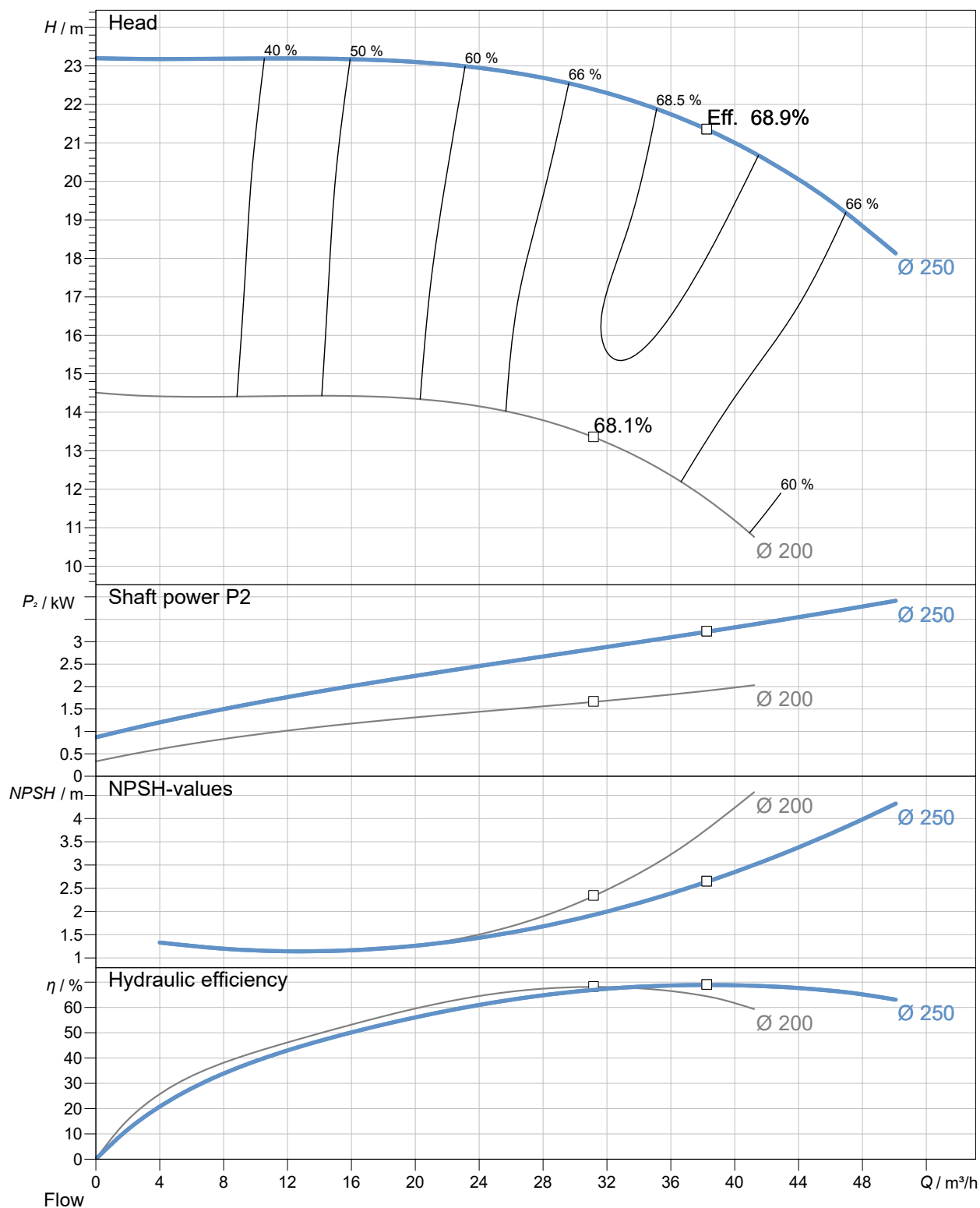
Speed

1450 1/min

Impeller Ø

250 mm

NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity **Q_{min} = 0.1 * Q_{opt}**

Attention! At temperature $t < -10^{\circ}\text{C}$ please note materials!

Power data referred to:

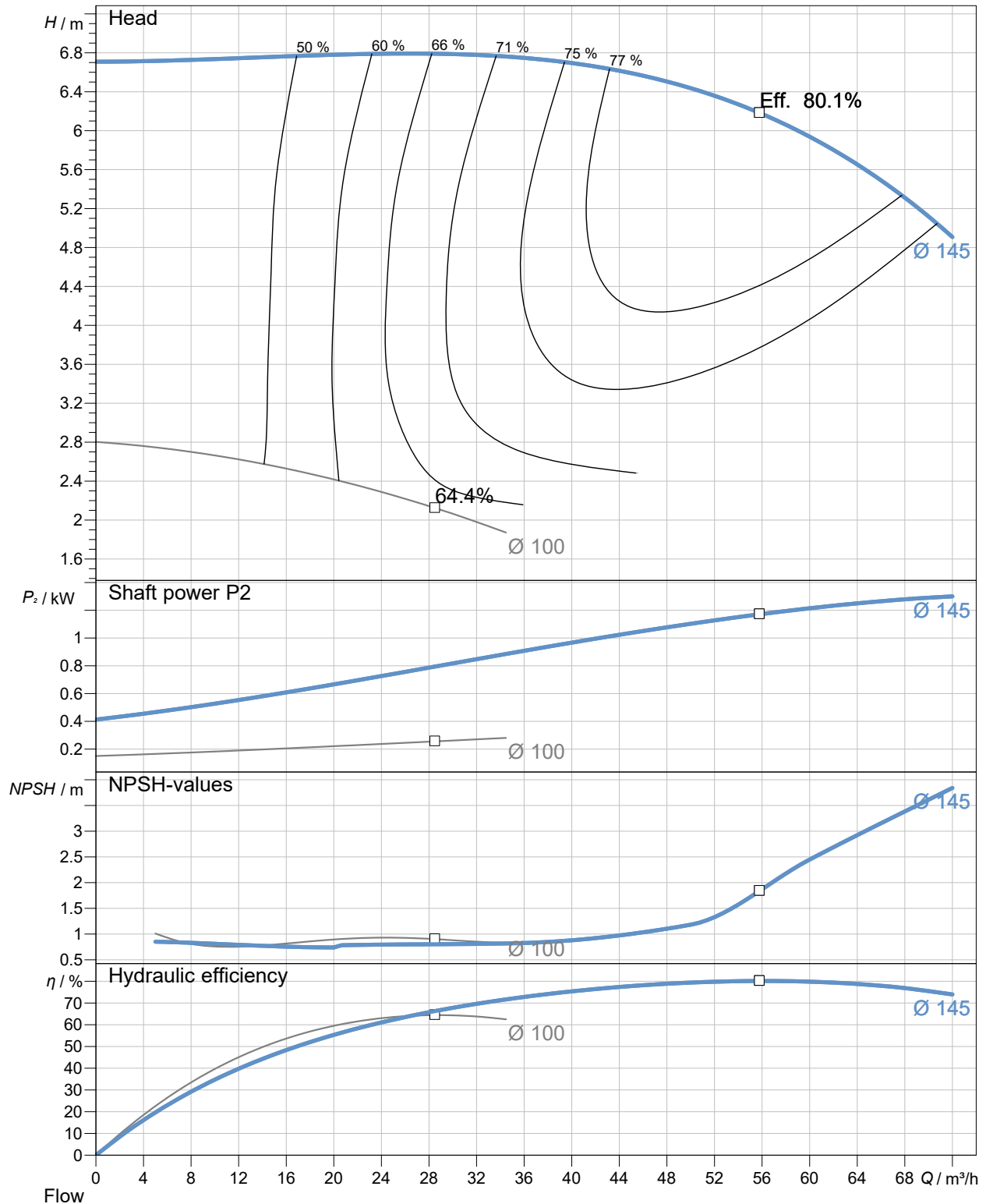
Water

Q **H** **P** **rated Torque** **Vis** **Temp** **Density**
1) **2)** **1.00 mm²/s** **20.0 °C** **0.998 kg/dm³**

Speed
1450 1/min

Impeller Ø
145 mm

NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**
Minimum capacity **Q_{min} = 0.1 * Q_{opt}**
Attention! At temperature $t < -10^{\circ}\text{C}$ please note materials!

Item
Pos.no.

Created by

Date

Power data referred to:

Water

Q **H** **P** **rated Torque** **Vis** **Temp** **Density**
1) **2)** **1.00 mm²/s** **20.0 °C** **0.998 kg/dm³**

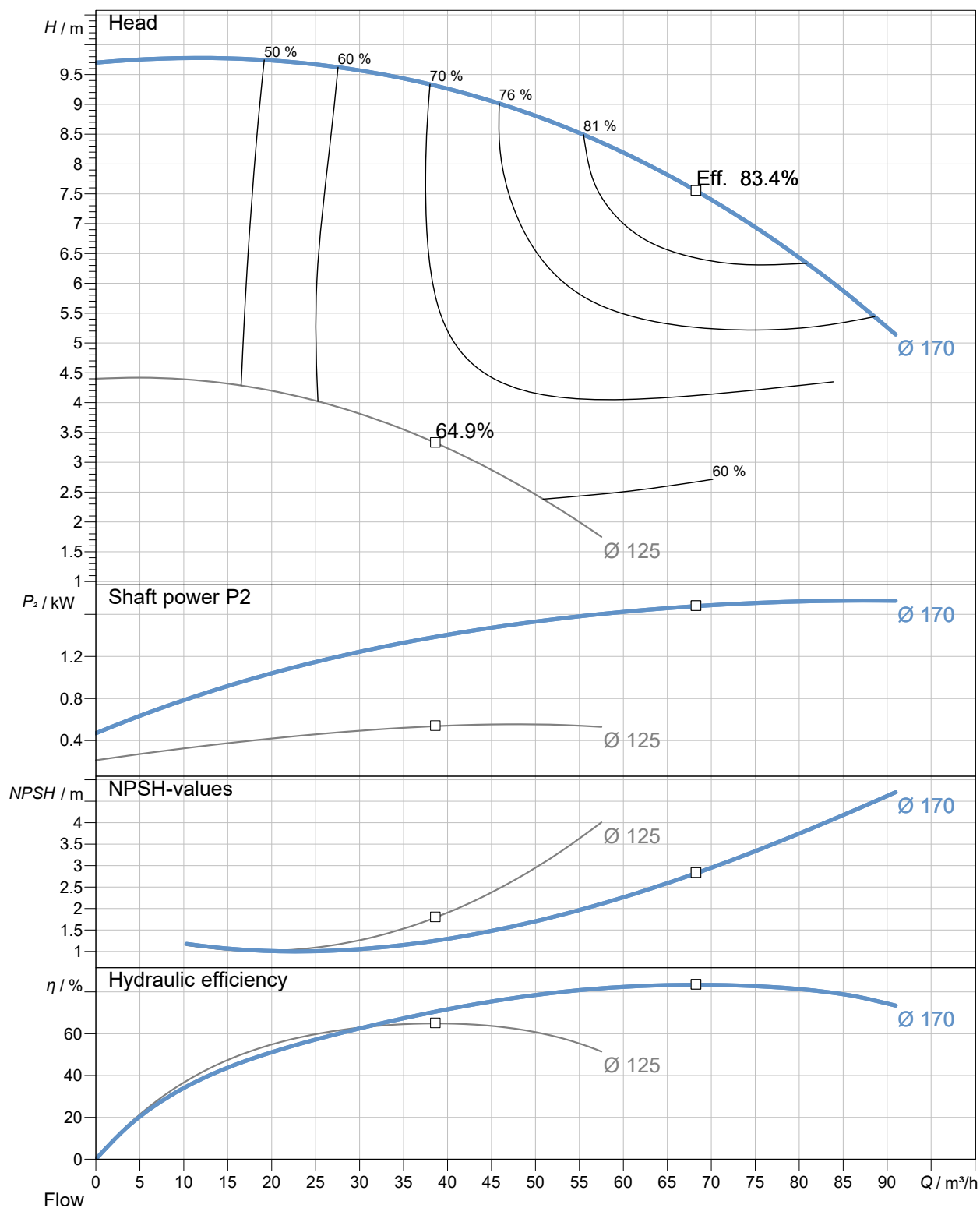
Speed

1450 1/min

Impeller Ø

170 mm

NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

$Q_{min} = 0.1 \cdot Q_{opt}$

Attention! Please note the maximum motor power, motor power limit 37 kW (motor typ 200L).

Power data referred to:

Water

	Q	H	P	rated Torque	Vis 1.00 mm²/s	Temp 20.0 °C	Density 0.998 kg/dm³
1)							
2)							

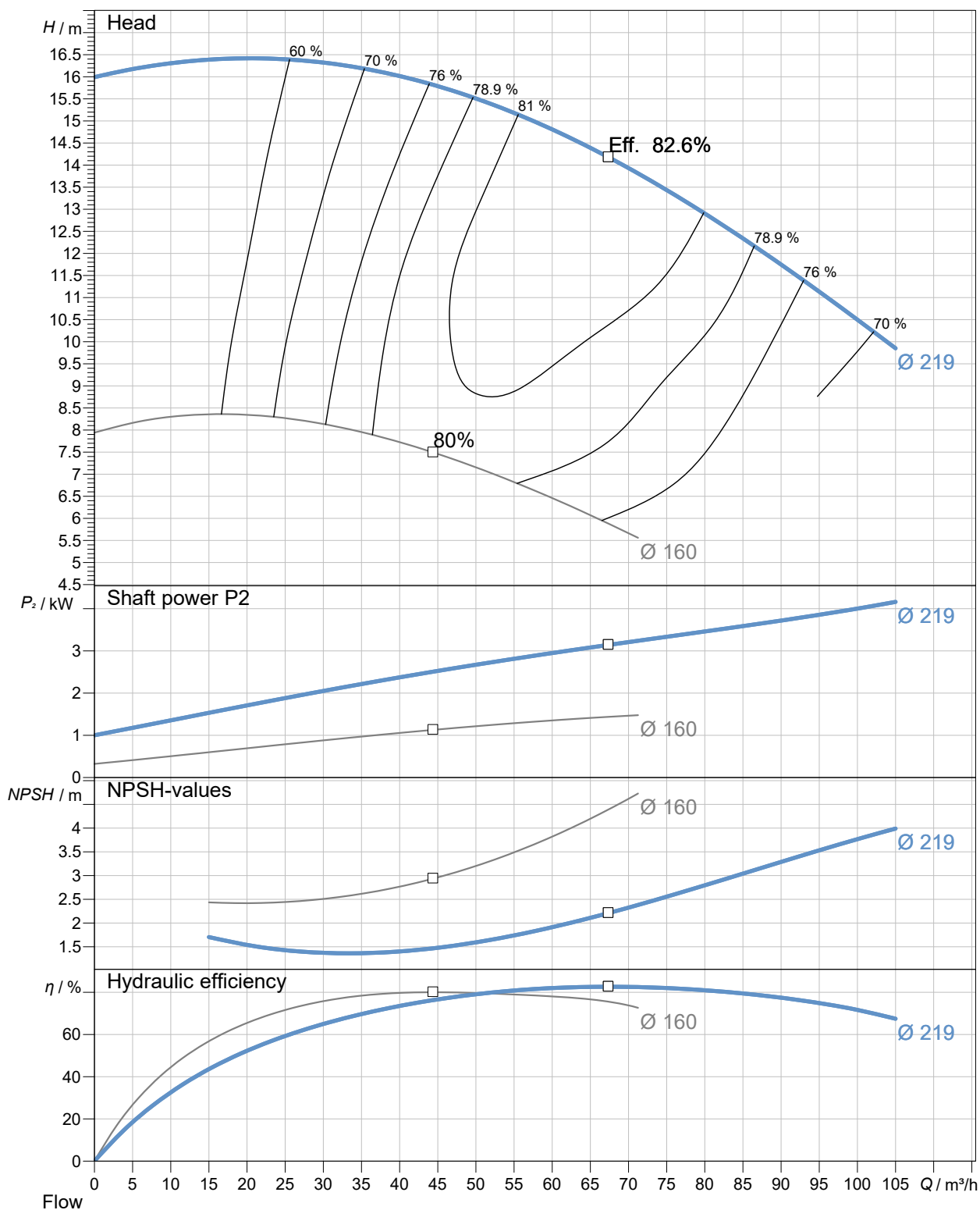
Speed

1450 1/min

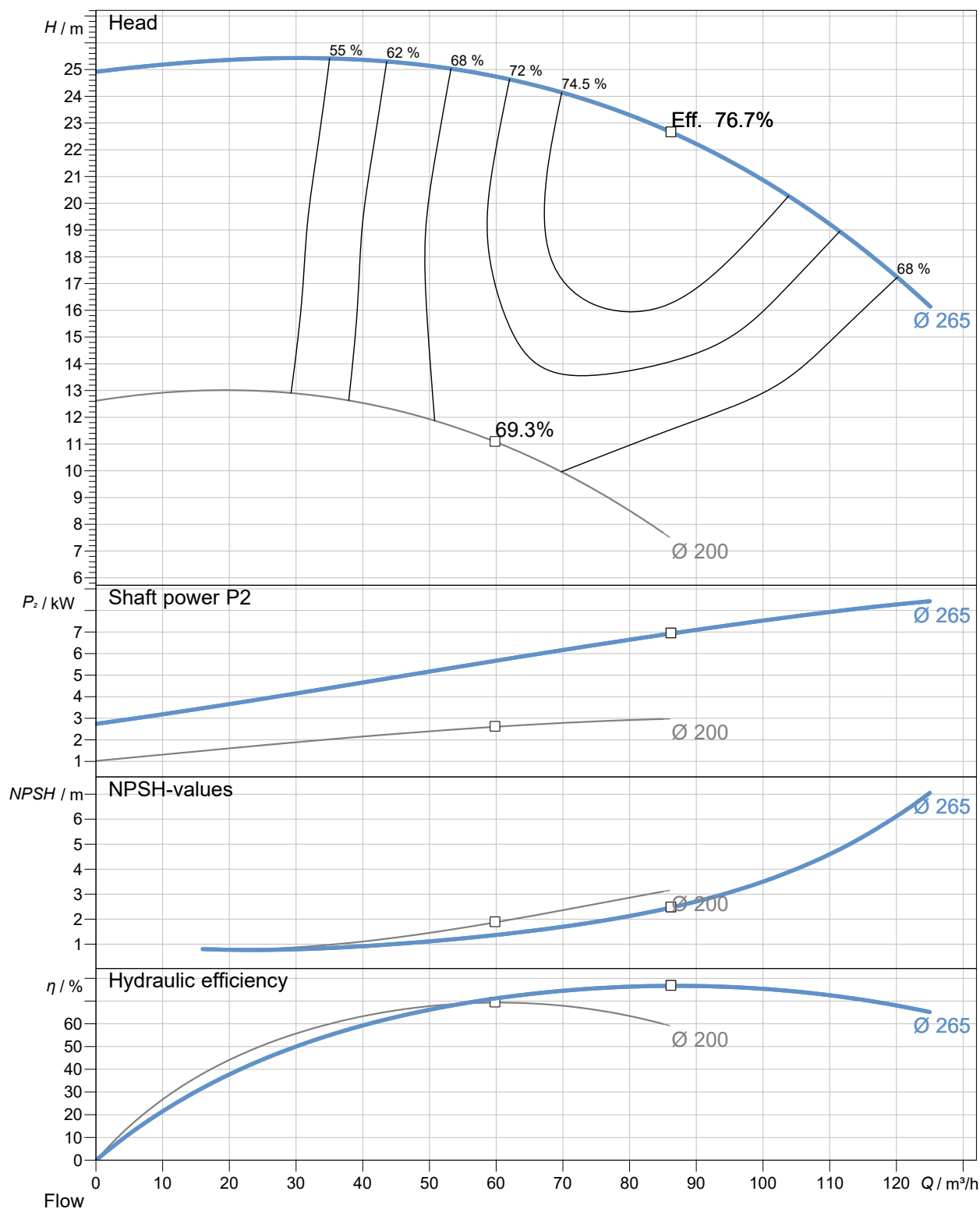
Impeller Ø

219 mm

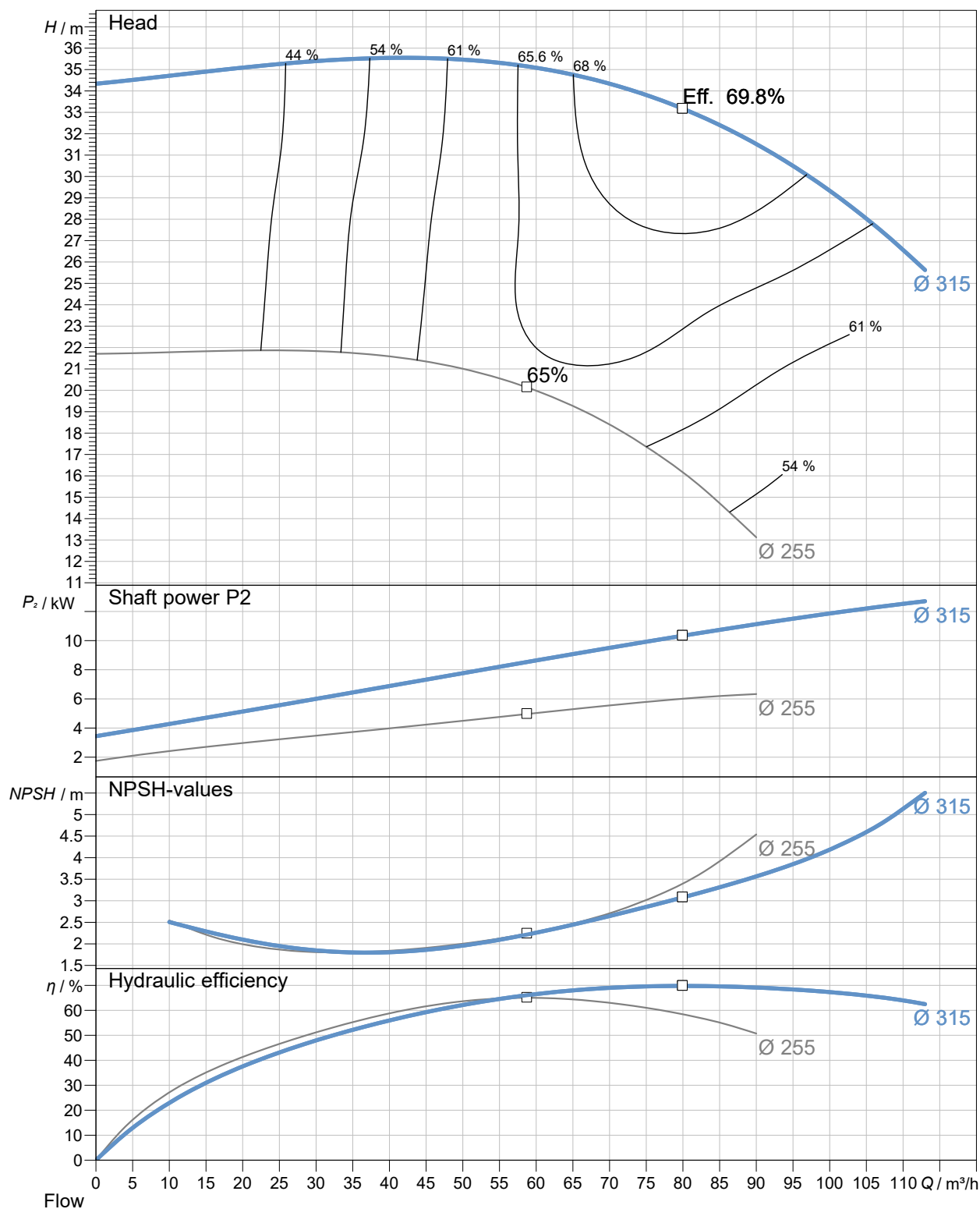
NPSH-value without safety margins



NPSH-value without safety margins



NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

$Q_{min} = 0.1 \cdot Q_{opt}$

Attention! Please note the maximum motor power, motor power limit 37 kW (motor typ 200L).

Power data referred to:

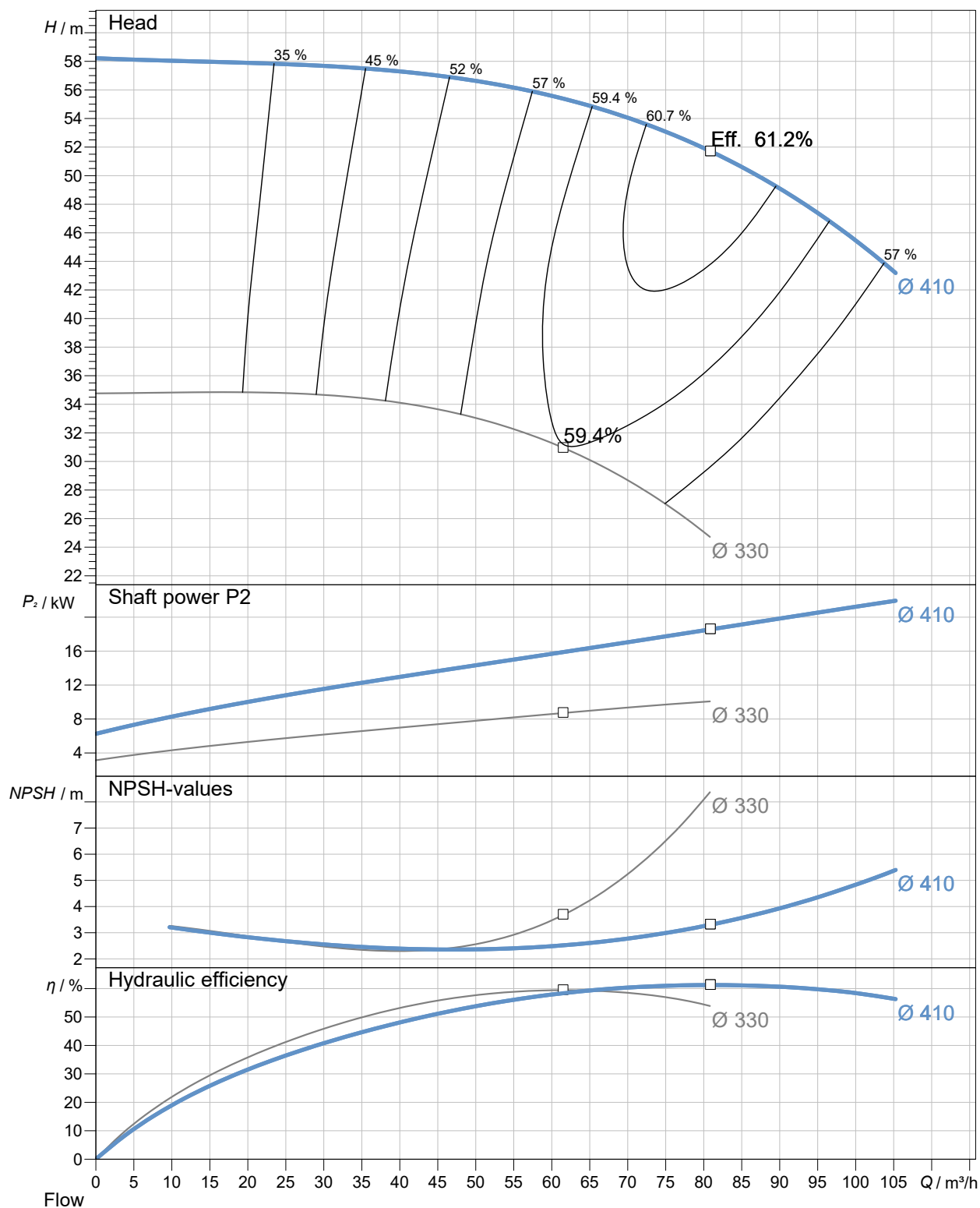
Water

	Q	H	P	rated Torque	Vis 1.00 mm²/s	Temp 20.0 °C	Density 0.998 kg/dm³
1)							
2)							

Speed
1450 1/min

Impeller Ø
410 mm

NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

 $Q_{min} = 0.1 \cdot Q_{opt}$

Attention! Please note the maximum motor power, motor power limit 37 kW (motor typ 200L).

Power data referred to:

Water

	Q	H	P	rated Torque	Vis 1.00 mm²/s	Temp 20.0 °C	Density 0.998 kg/dm³
1)							
2)							

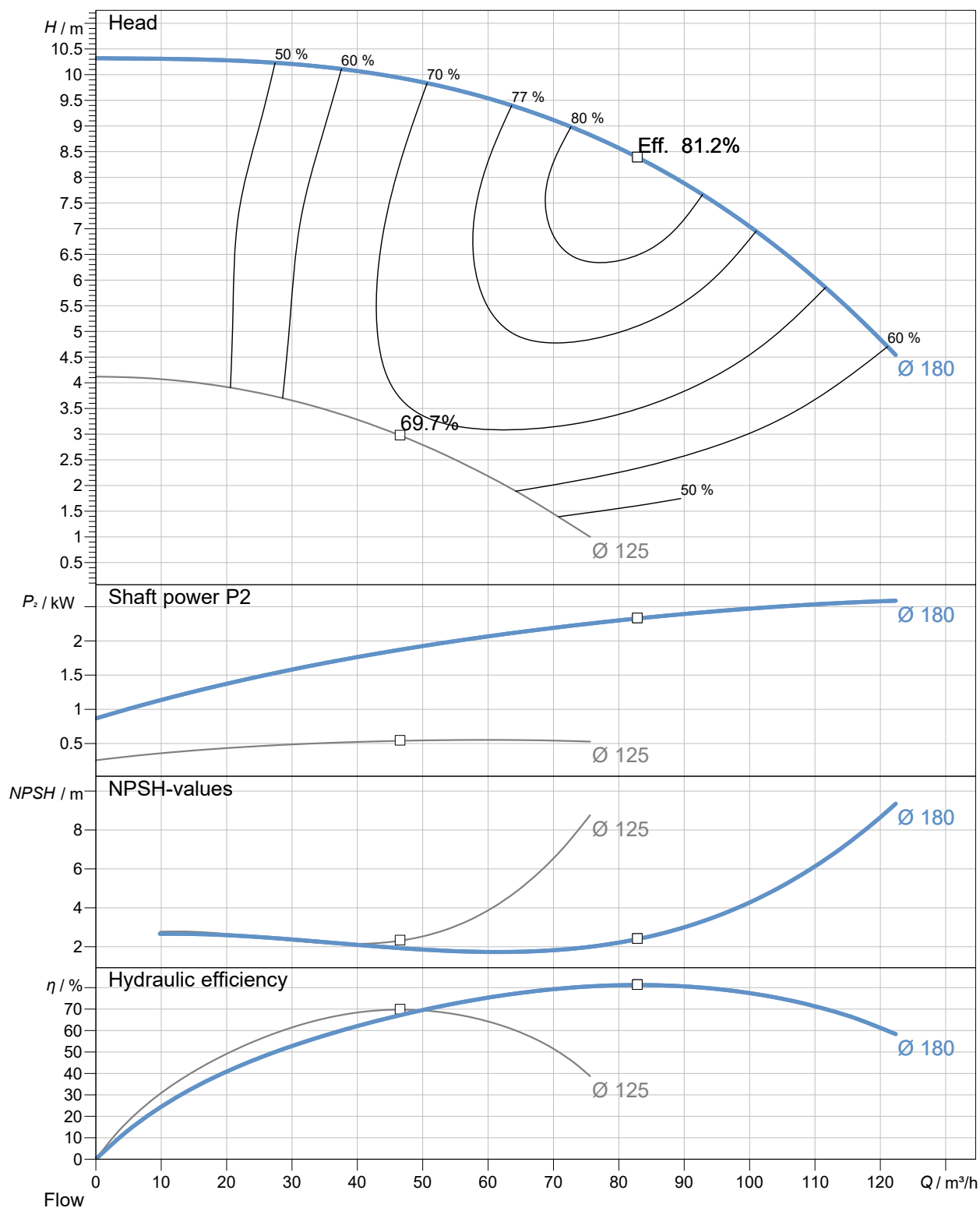
Speed

1450 1/min

Impeller Ø

180 mm

NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

$Q_{min} = 0.1 \cdot Q_{opt}$

Attention! Please note the maximum motor power, motor power limit 37 kW (motor typ 200L).

Power data referred to:

Water

	Q	H	P	rated Torque	Vis 1.00 mm²/s	Temp 20.0 °C	Density 0.998 kg/dm³
1)							
2)							

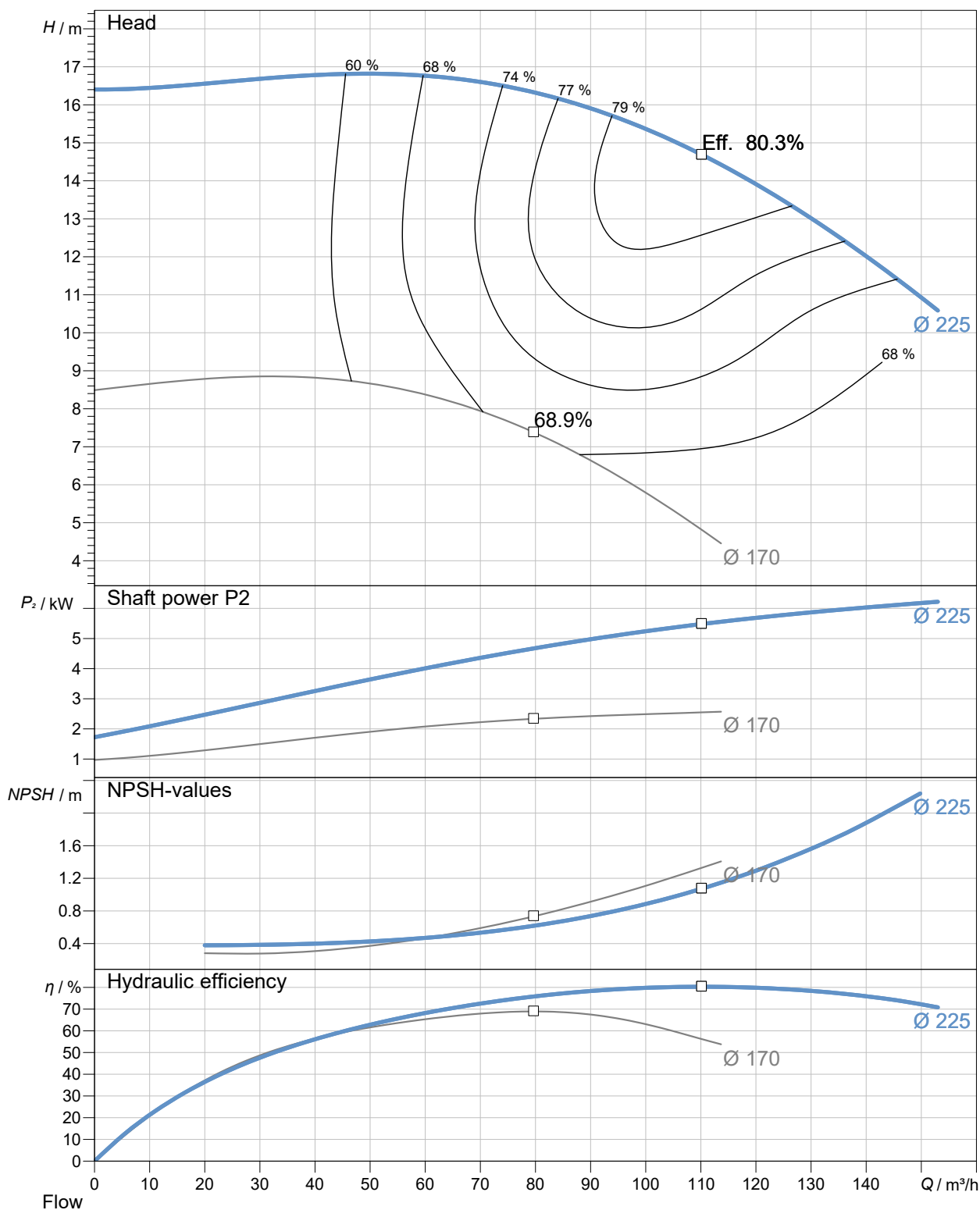
Speed

1450 1/min

Impeller Ø

225 mm

NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

$Q_{min} = 0.1 \cdot Q_{opt}$

Attention! Please note the maximum motor power, motor power limit 37 kW (motor typ 200L).

Power data referred to:

Water

	Q	H	P	rated Torque	Vis 1.00 mm²/s	Temp 20.0 °C	Density 0.998 kg/dm³
1)							
2)							

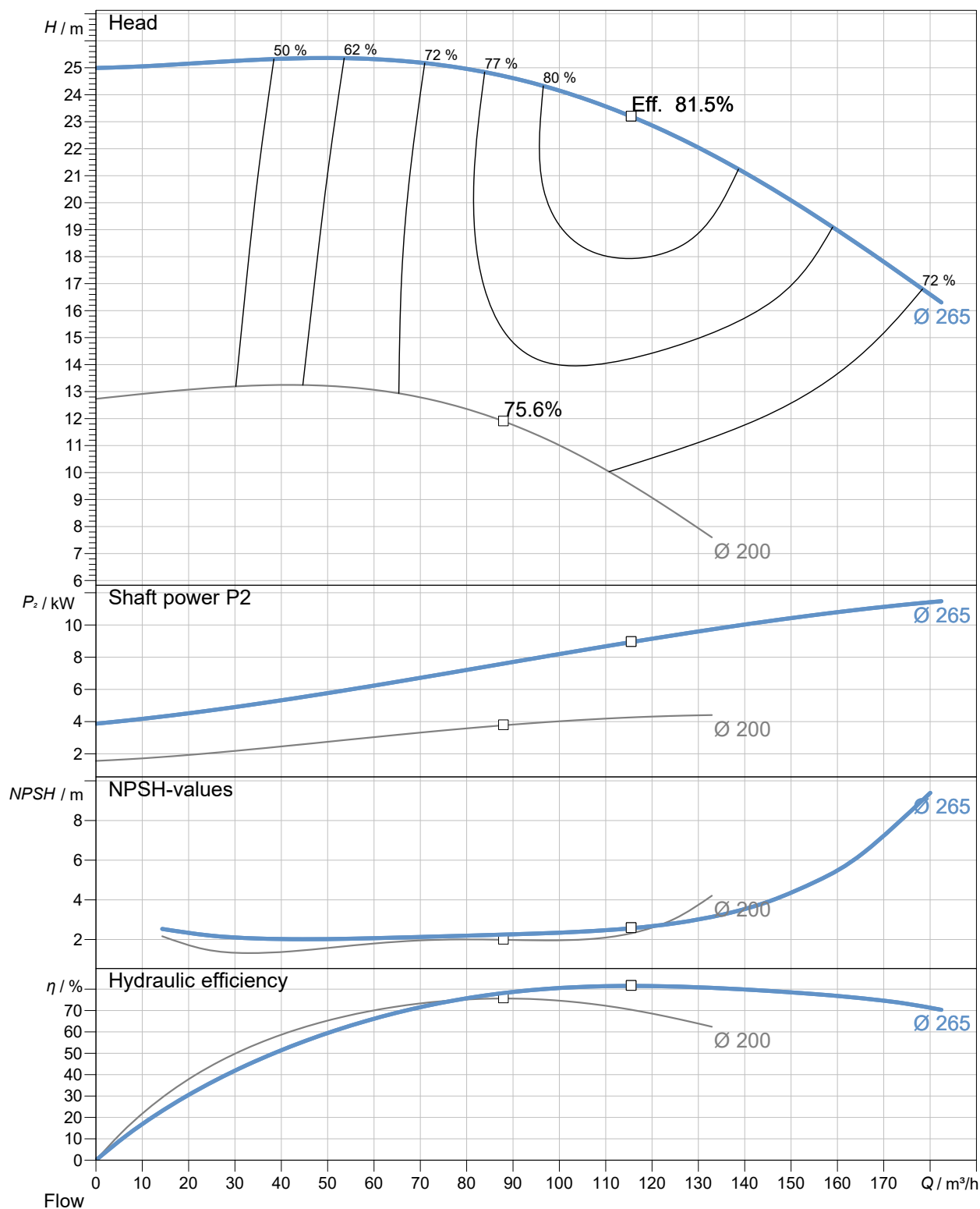
Speed

1450 1/min

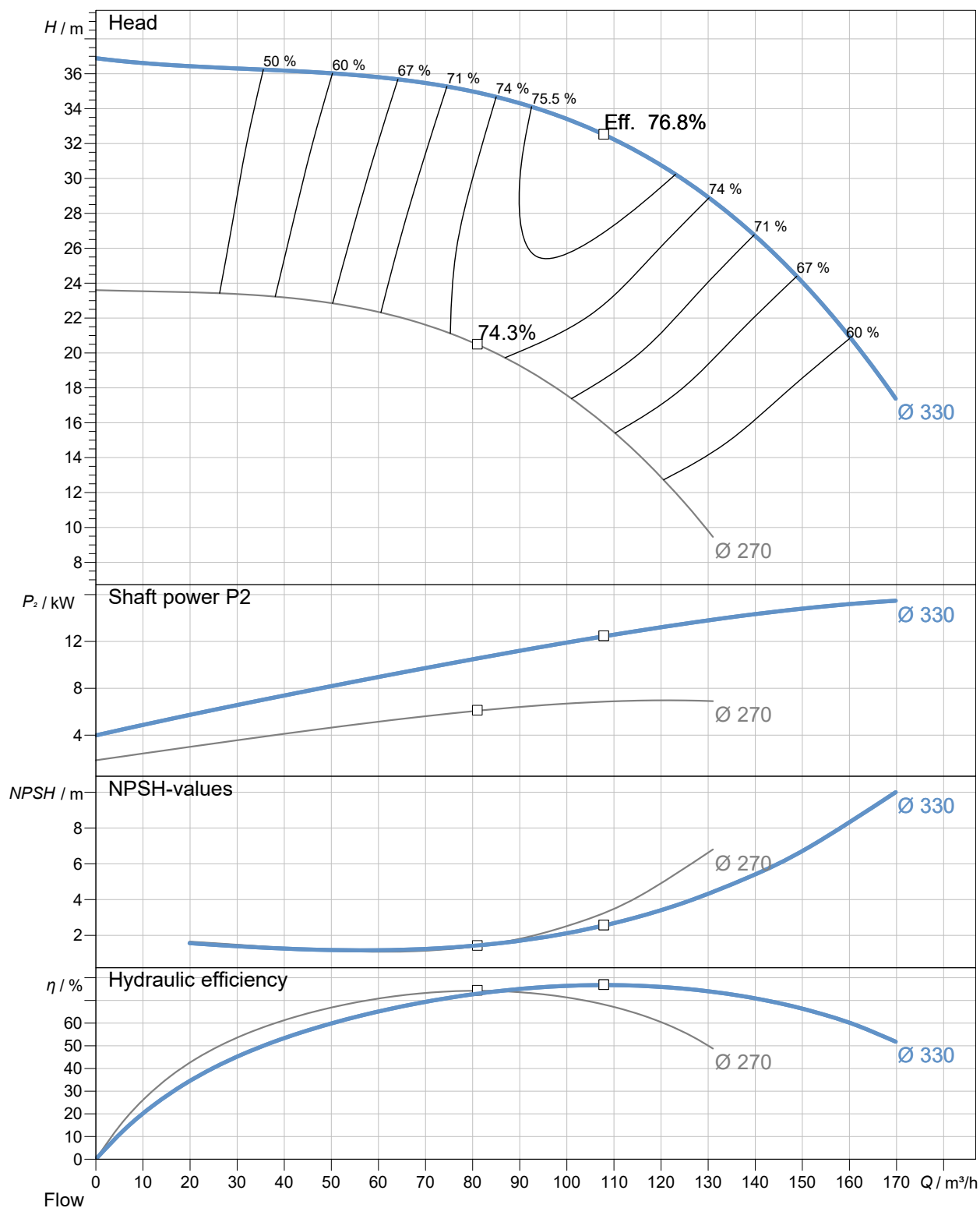
Impeller Ø

265 mm

NPSH-value without safety margins



NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

 $Q_{min} = 0.1 \cdot Q_{opt}$

Attention! Please note the maximum motor power, motor power limit 37 kW (motor typ 200L).

Power data referred to:

Water

	Q	H	P	rated Torque	Vis	Temp	Density
1)					1.00 mm²/s	20.0 °C	0.998 kg/dm³
2)							

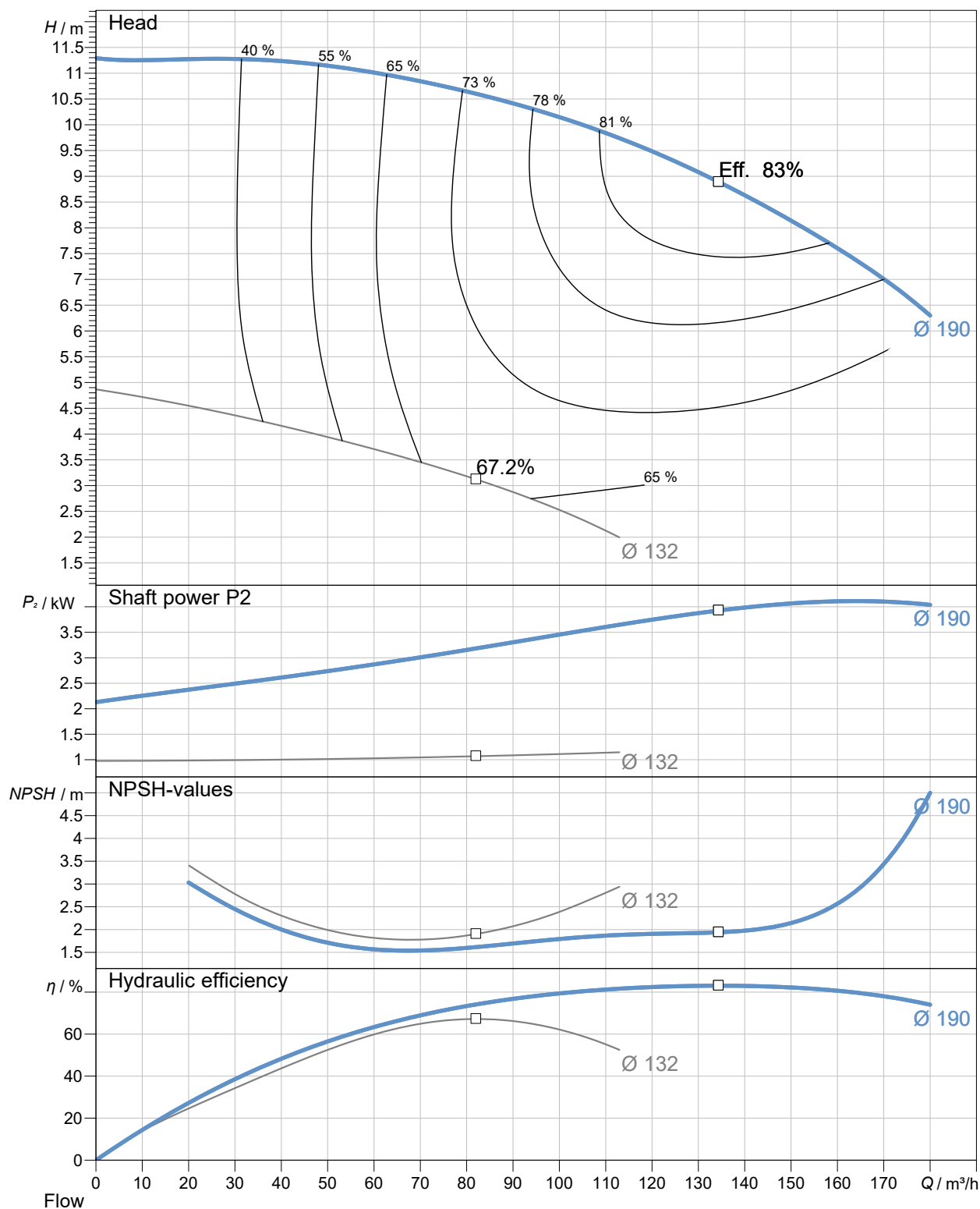
Speed

1450 1/min

Impeller Ø

190 mm

NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

$Q_{min} = 0.1 \cdot Q_{opt}$

Attention! Please note the maximum motor power, motor power limit 37 kW (motor typ 200L).

Power data referred to:

Water

Q	H	P	rated Torque	Vis	Temp	Density
1) 2)				1.00 mm²/s	20.0 °C	0.998 kg/dm³

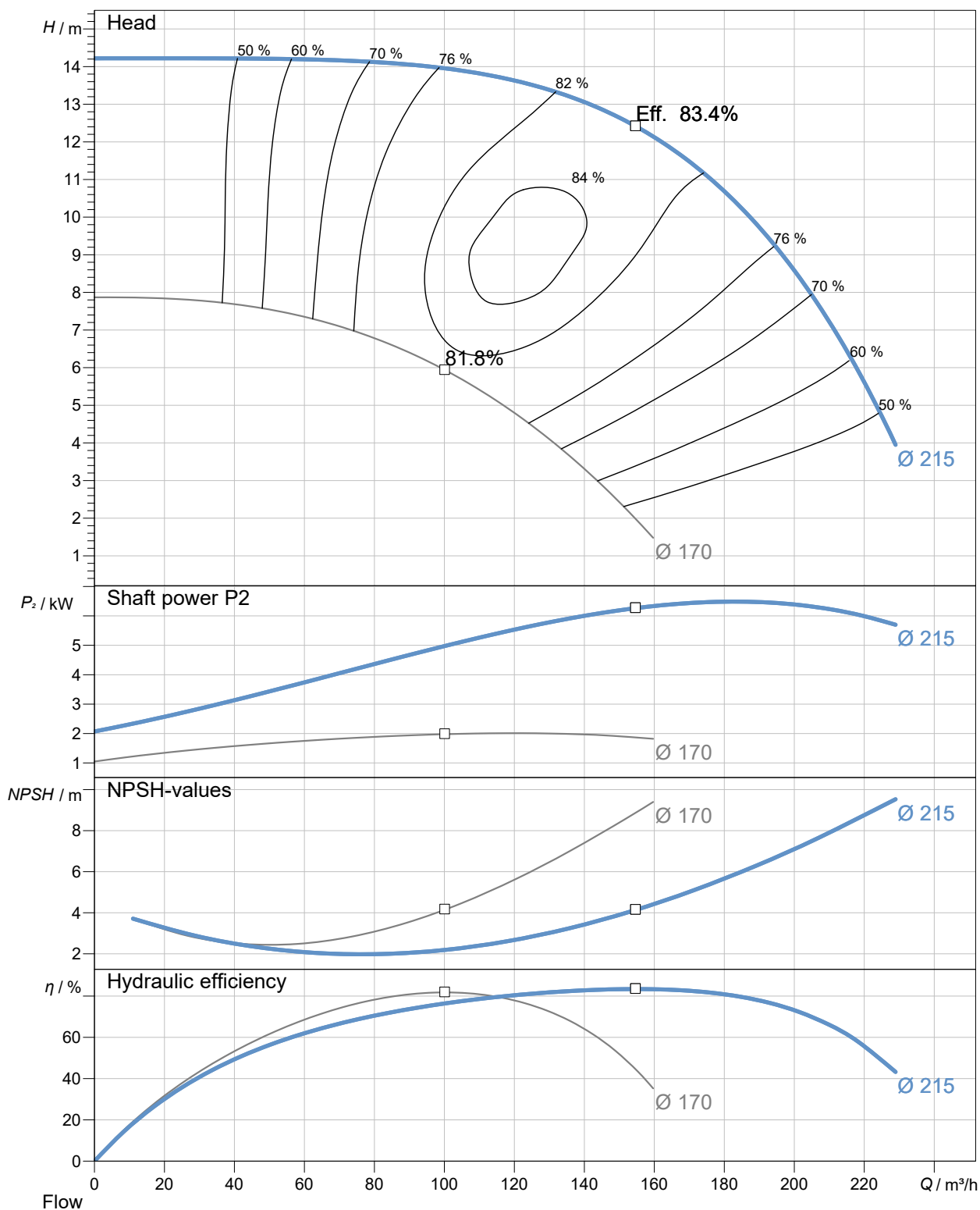
Speed

1450 1/min

Impeller Ø

215 mm

NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

$Q_{min} = 0.1 \cdot Q_{opt}$

Attention! Please note the maximum motor power, motor power limit 37 kW (motor typ 200L).

Power data referred to:

Water

	Q	H	P	rated Torque	Vis 1.00 mm²/s	Temp 20.0 °C	Density 0.998 kg/dm³
1)							
2)							

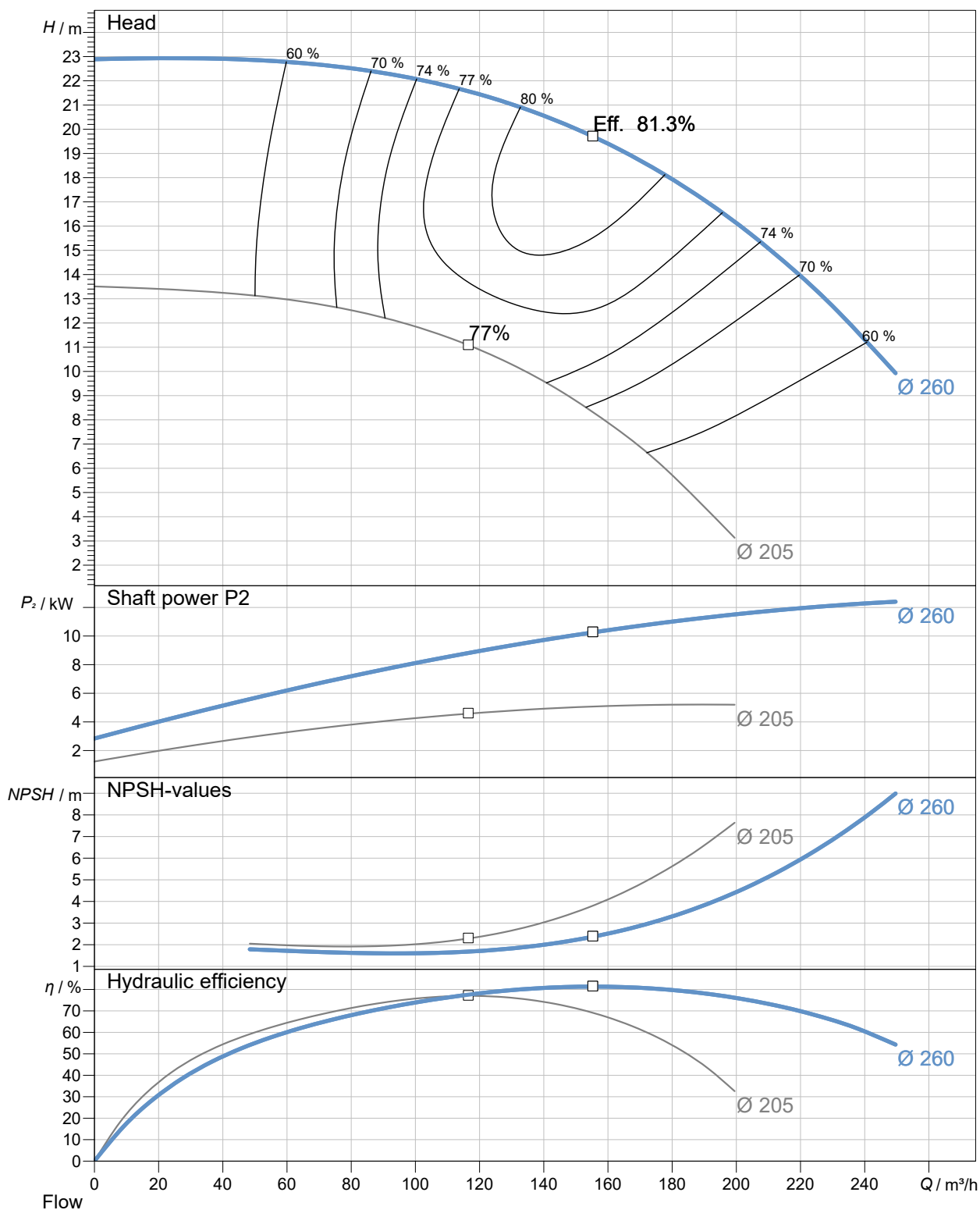
Speed

1450 1/min

Impeller Ø

260 mm

NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

$Q_{min} = 0.1 \cdot Q_{opt}$

Attention! Please note the maximum motor power, motor power limit 37 kW (motor typ 200L).

Power data referred to:

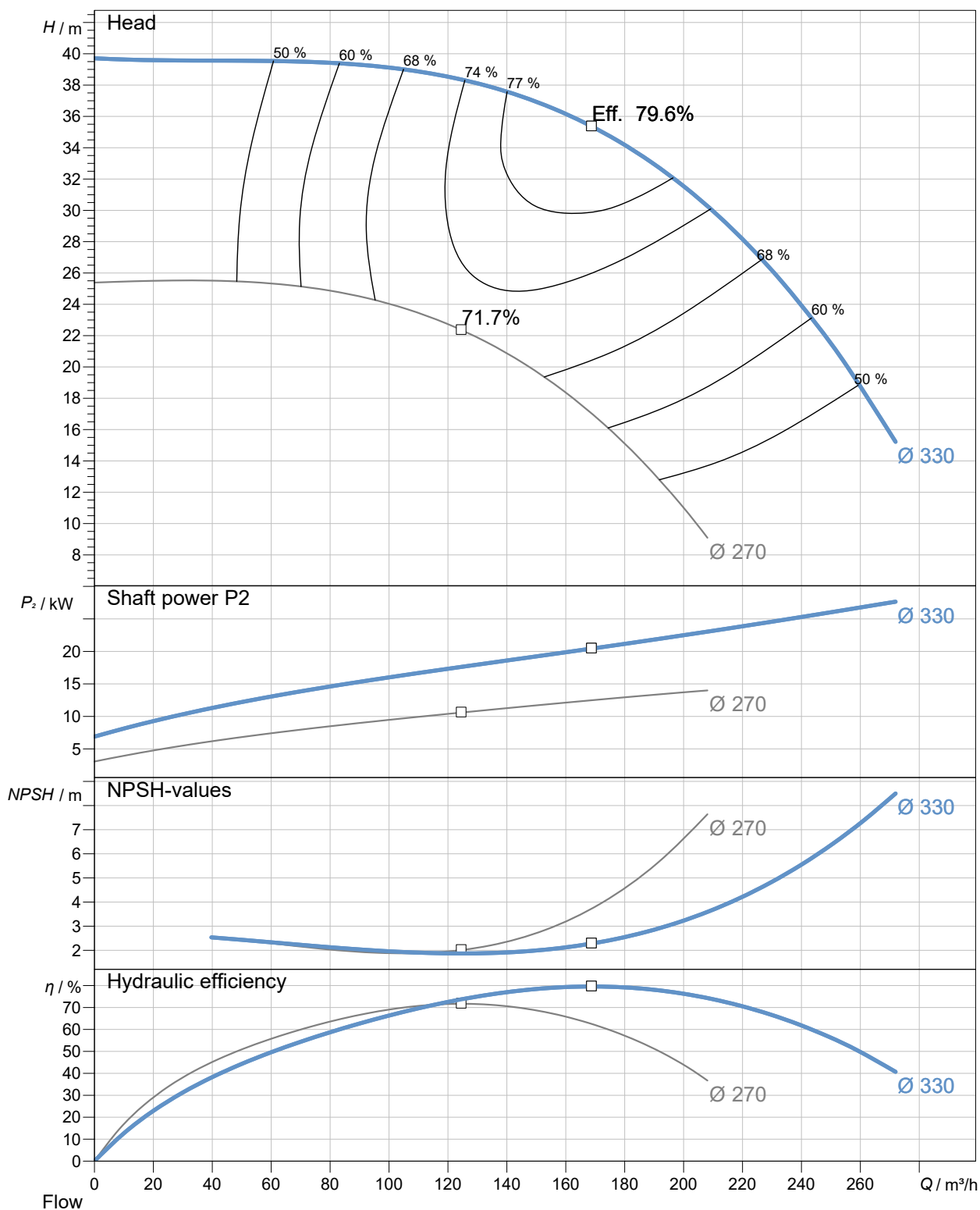
Water

	Q	H	P	rated Torque	Vis 1.00 mm ² /s	Temp 20.0 °C	Density 0.998 kg/dm ³
1)							
2)							

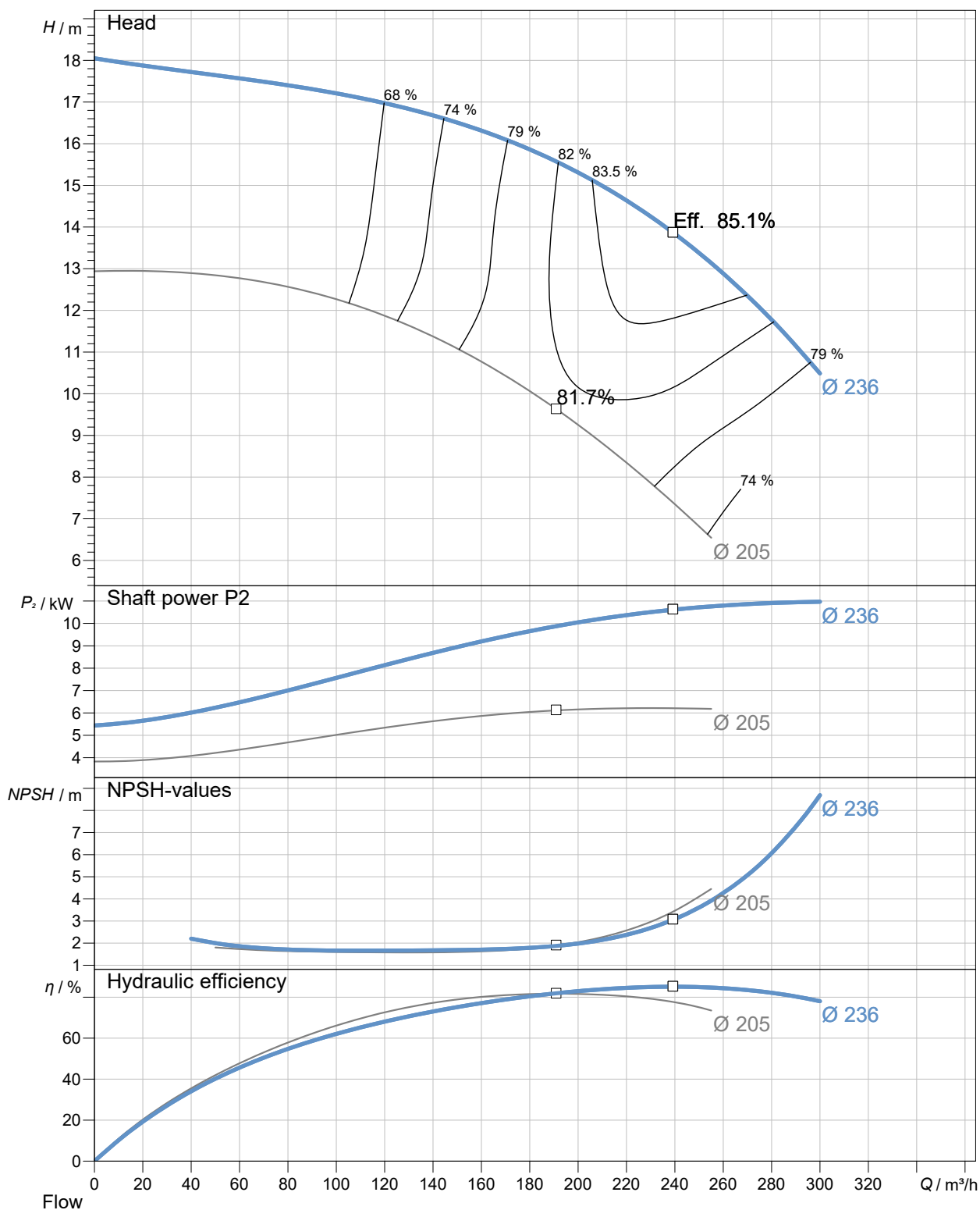
Speed
1450 1/min

Impeller Ø
330 mm

NPSH-value without safety margins



NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

$Q_{min} = 0.1 \cdot Q_{opt}$

Attention! Please note the maximum motor power, motor power limit 37 kW (motor typ 200L).

Power data referred to:

Water

Q **H** **P** **rated Torque** **Vis** **Temp** **Density**
1) **2)** **1.00 mm²/s** **20.0 °C** **0.998 kg/dm³**

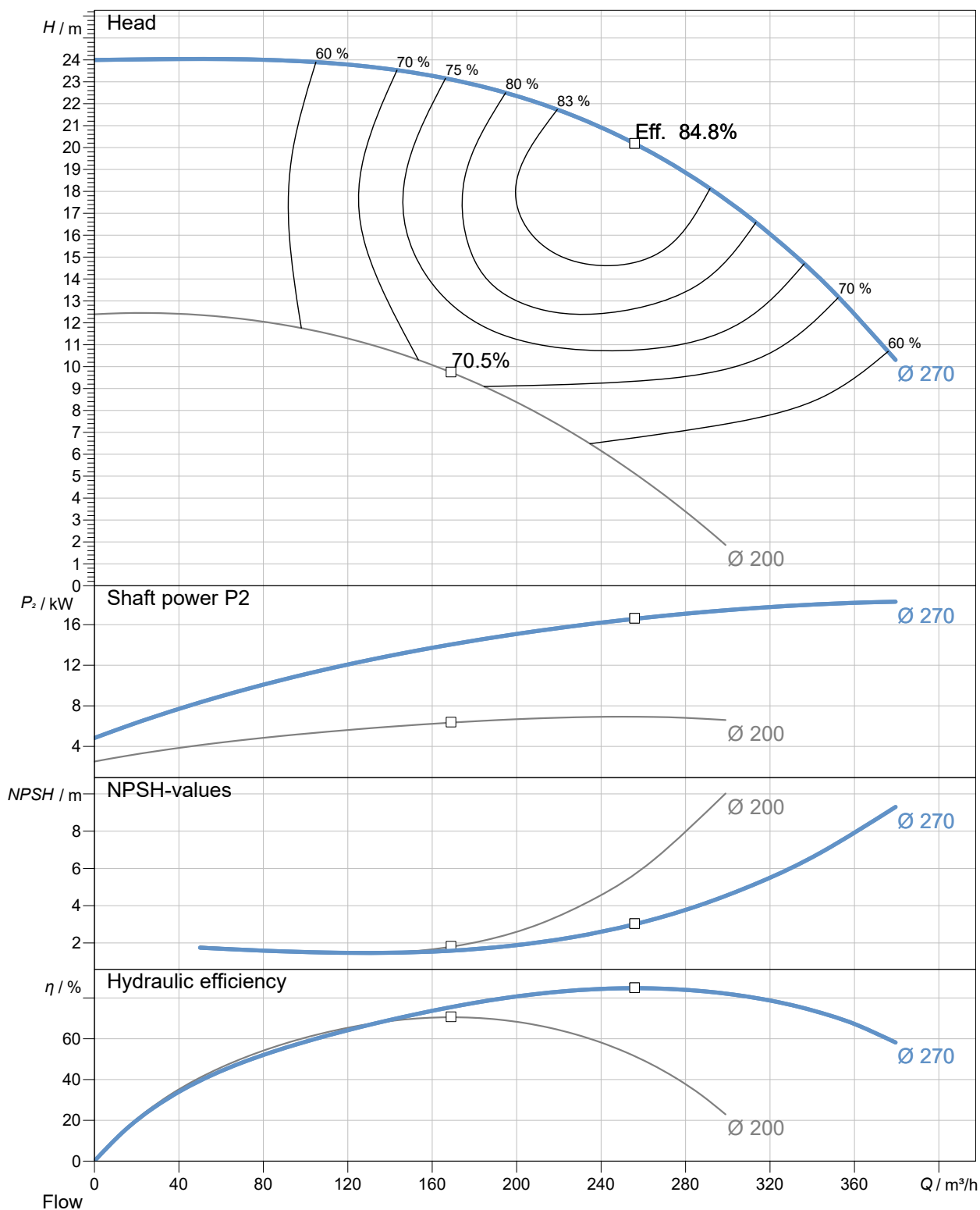
Speed

1450 1/min

Impeller Ø

270 mm

NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity **Q_{min} = 0.1 * Q_{opt}**

Attention! Please note the maximum motor power, motor power limit 37 kW (motor typ 200L).

Power data referred to:

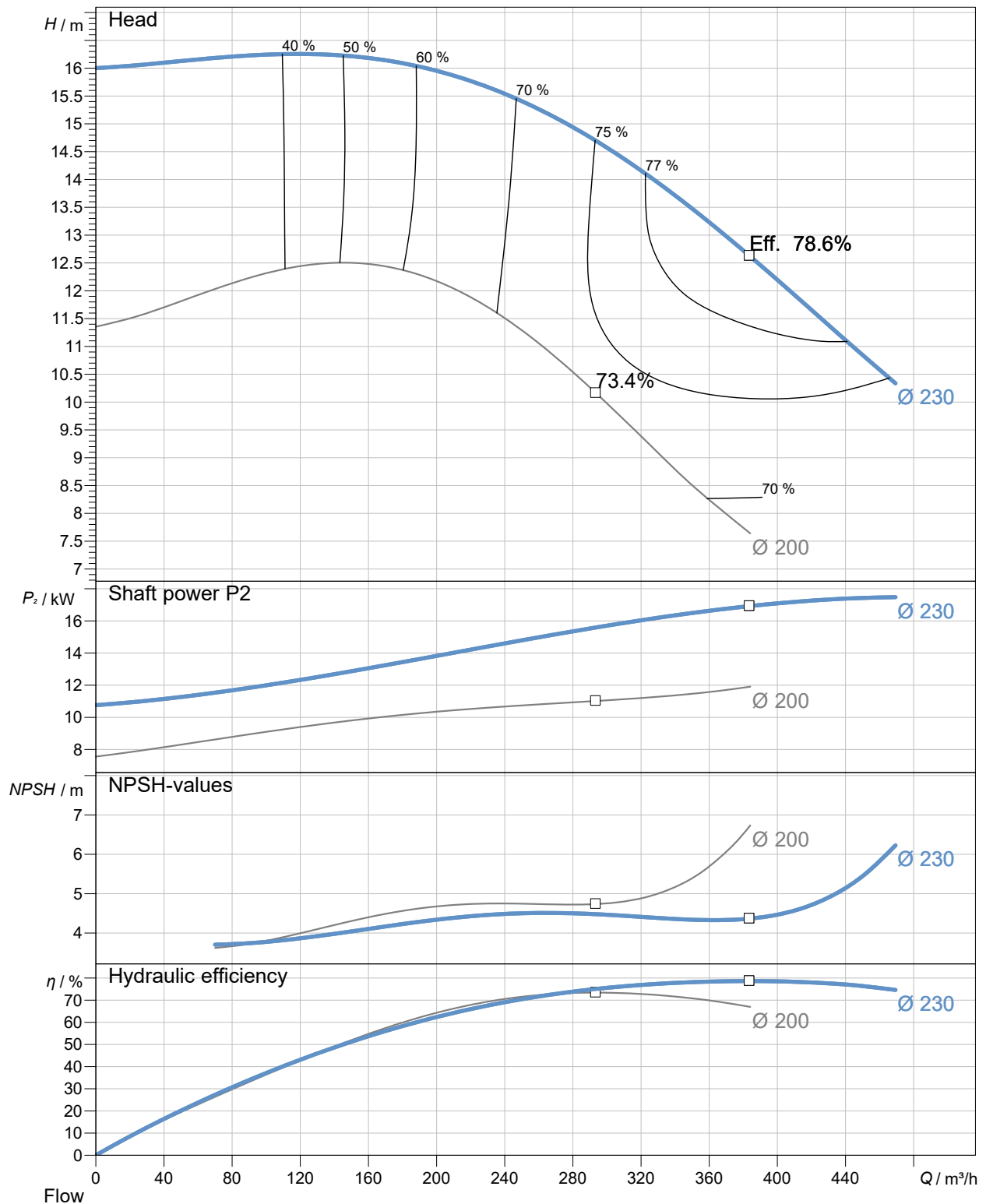
Water

Q **H** **P** **rated Torque** **Vis** **Temp** **Density**
1) **2)** **1.00 mm²/s** **20.0 °C** **0.998 kg/dm³**

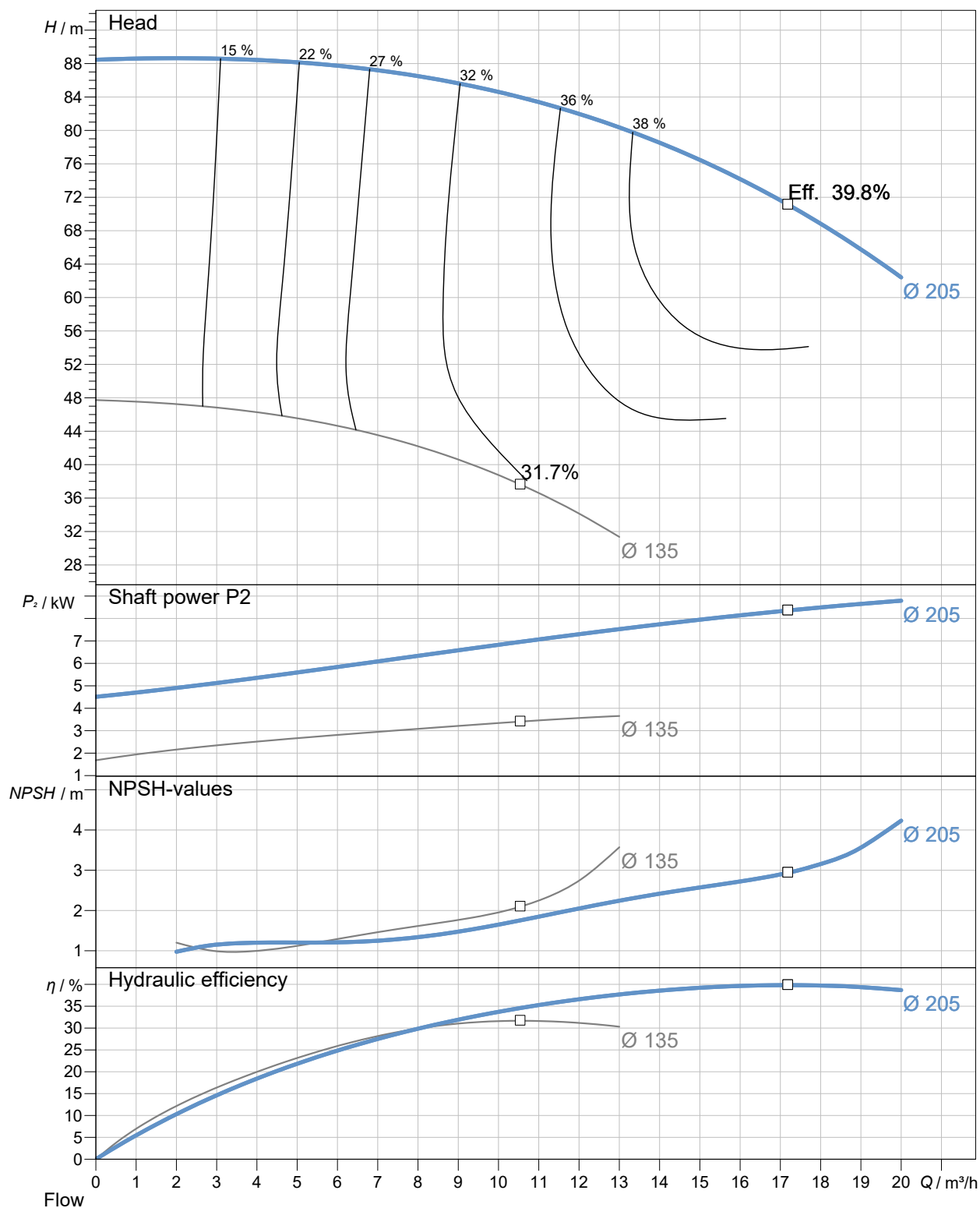
Speed
1450 1/min

Impeller Ø
230 mm

NPSH-value without safety margins



NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**
Minimum capacity **Q_{min} = 0.1 * Q_{opt}**
Attention! At temperature $t < -10^{\circ}\text{C}$ please note materials!

Item
Pos.no.

Created by

Date

Power data referred to:

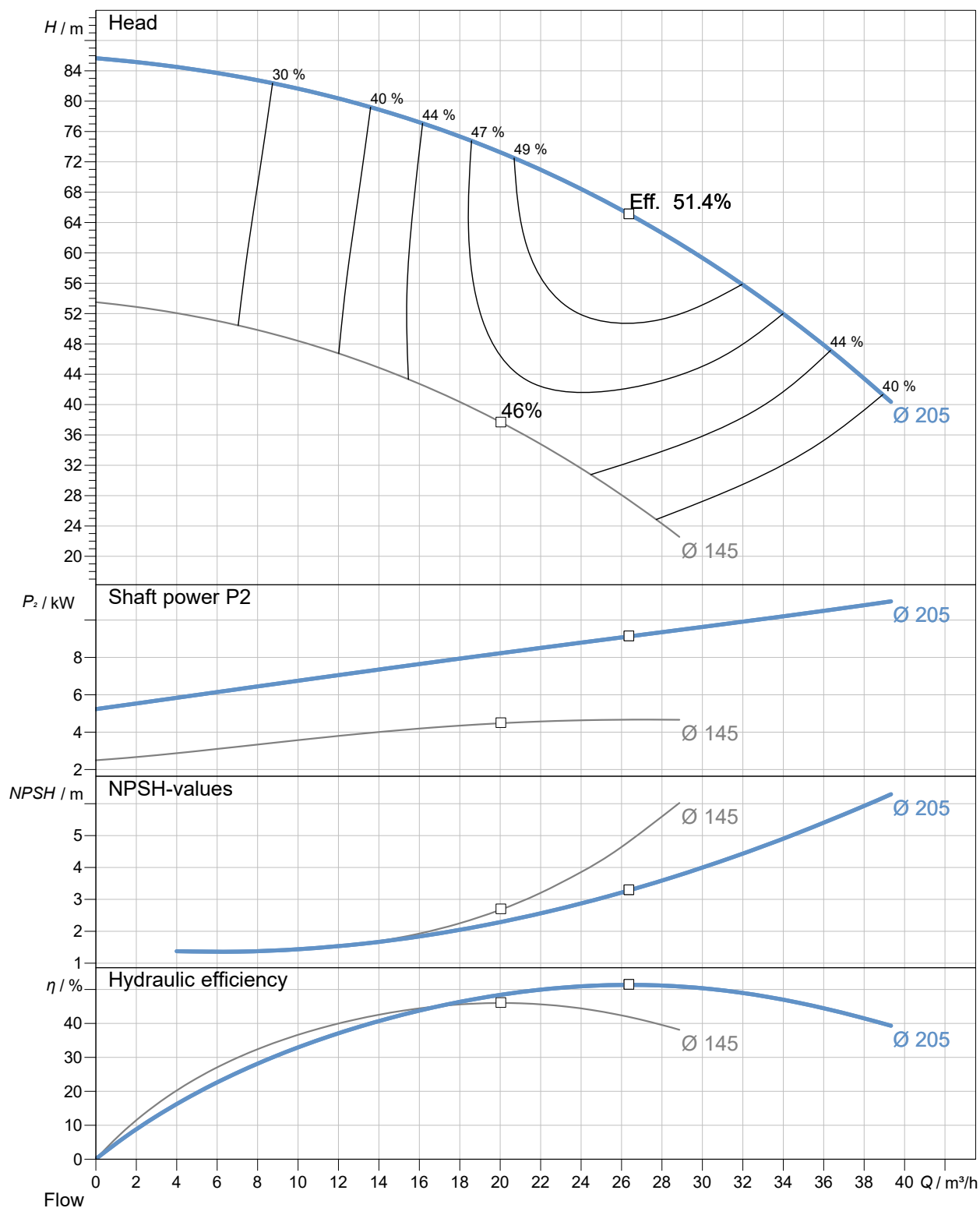
Water

Q **H** **P** **rated Torque** **Vis** **Temp** **Density**
1) **2)** **1.00 mm²/s** **20.0 °C** **0.998 kg/dm³**

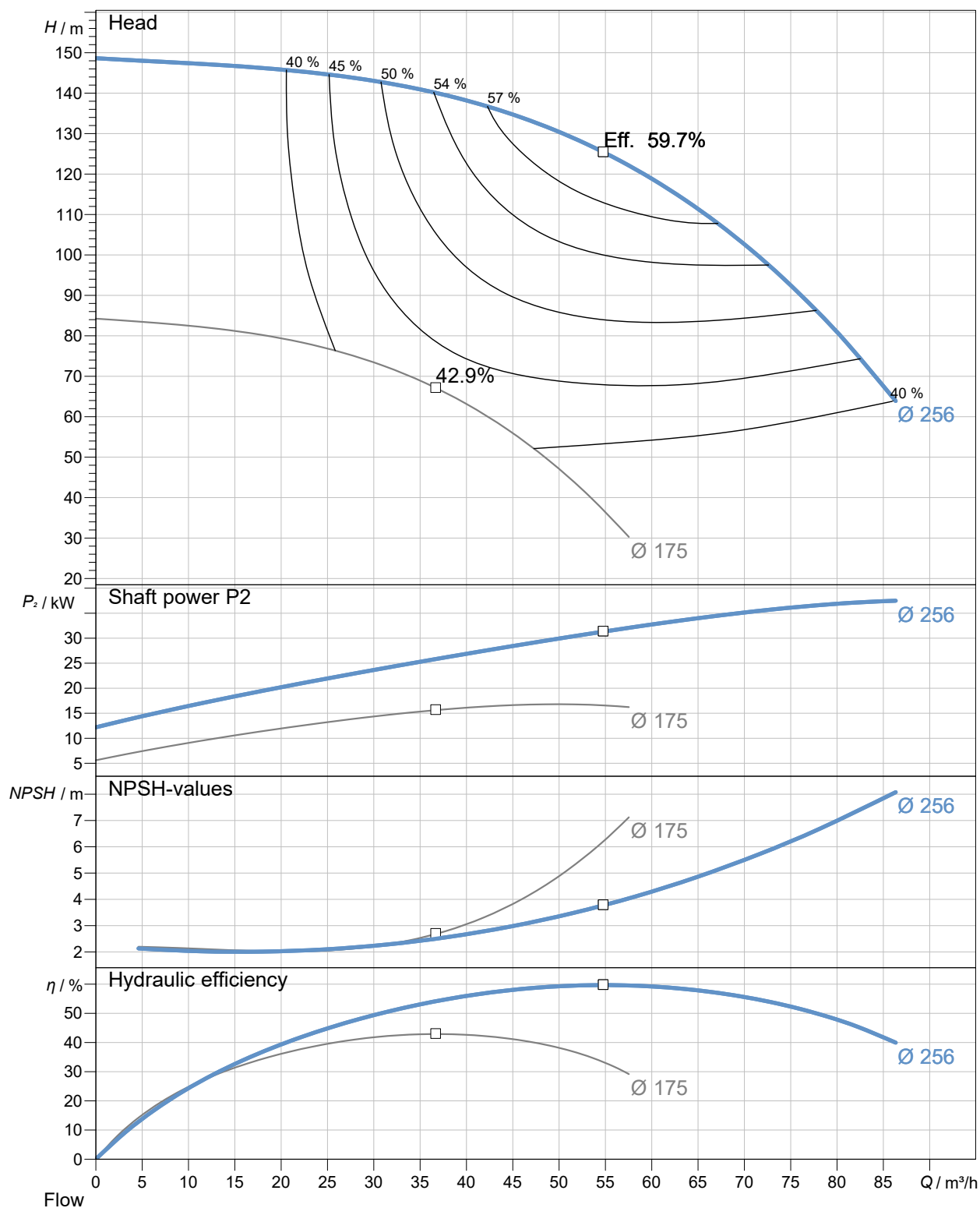
Speed
2900 1/min

Impeller Ø
205 mm

NPSH-value without safety margins



NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

Q_{min} = 0.1 * Q_{opt}

Attention! Please note the maximum motor power, motor power limit 37 kW (motor typ 200L).

Power data referred to:

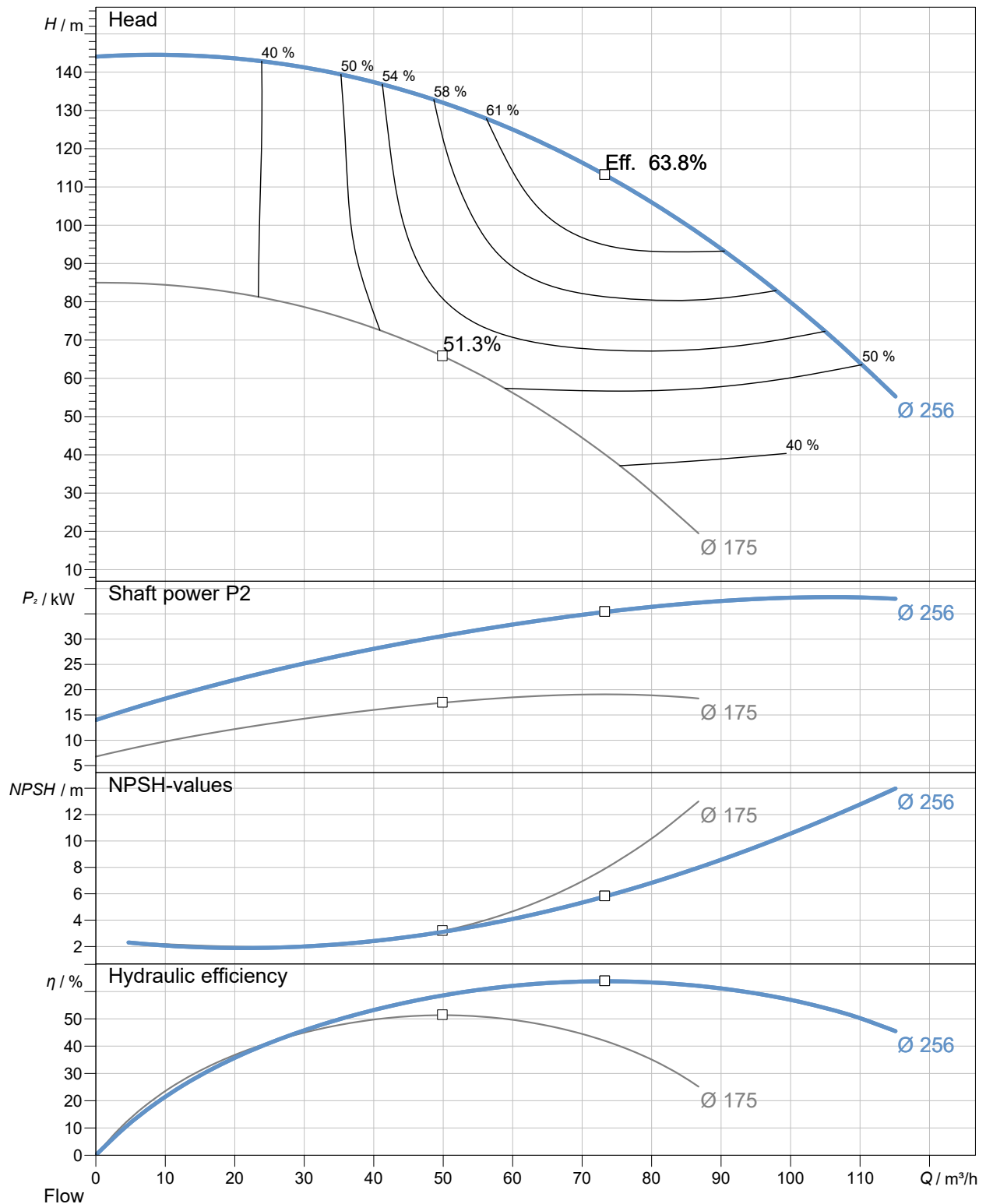
Water

Q **H** **P** **rated Torque** **Vis** **Temp** **Density**
1) **2)** **1.00 mm²/s** **20.0 °C** **0.998 kg/dm³**

Speed
2900 1/min

Impeller Ø
256 mm

NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**
Minimum capacity **Q_{min} = 0.1 * Q_{opt}**
Attention! At temperature $t < -10^{\circ}\text{C}$ please note materials!

Item
Pos.no.

Created by

Date

Power data referred to:

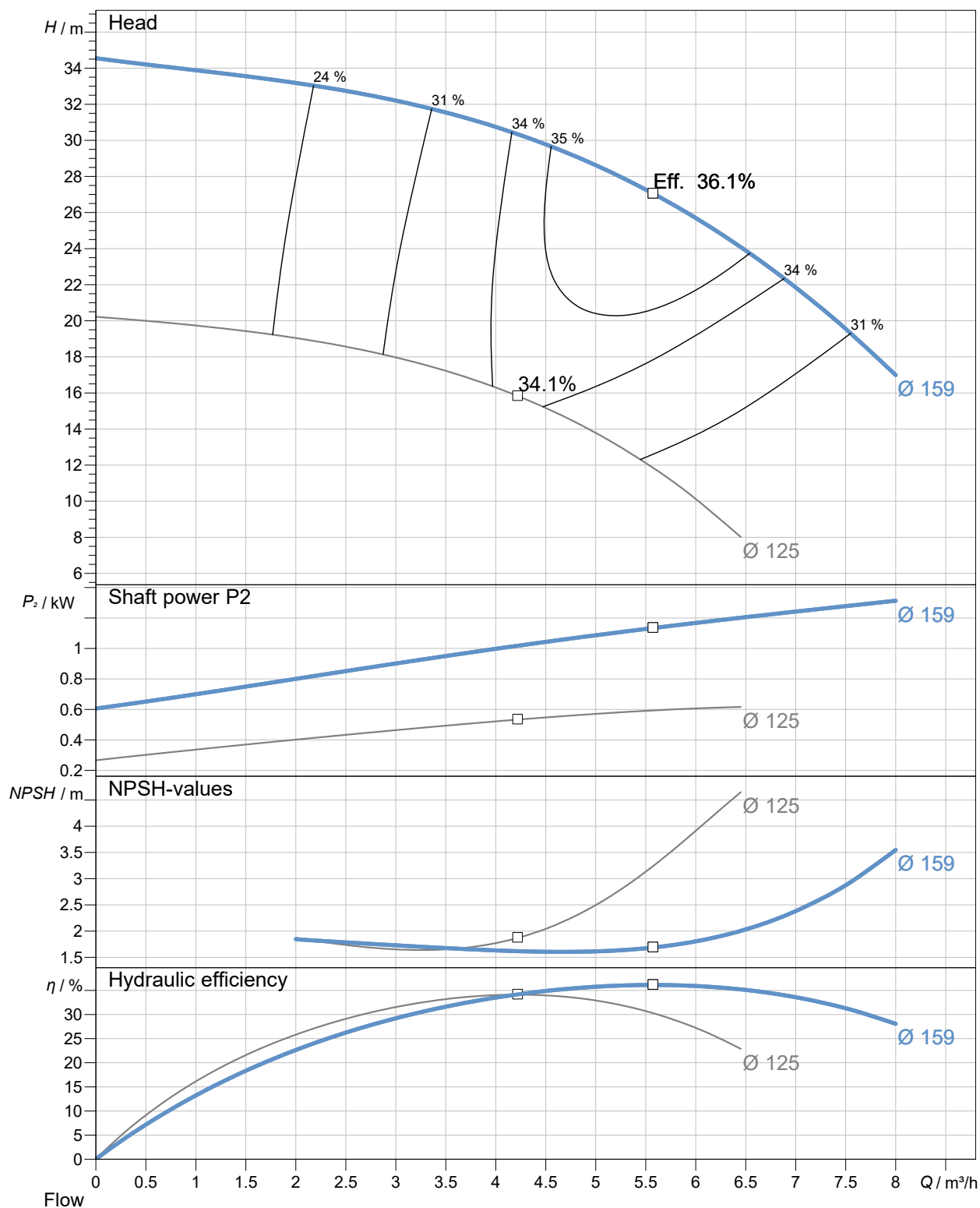
Water

Q **H** **P** **rated Torque** **Vis** **Temp** **Density**
1) **2)** **1.00 mm²/s** **20.0 °C** **0.998 kg/dm³**

Speed
2900 1/min

Impeller Ø
159 mm

NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity **Q_{min} = 0.1 * Q_{opt}**

Attention! At temperature $t < -10^{\circ}\text{C}$ please note materials!

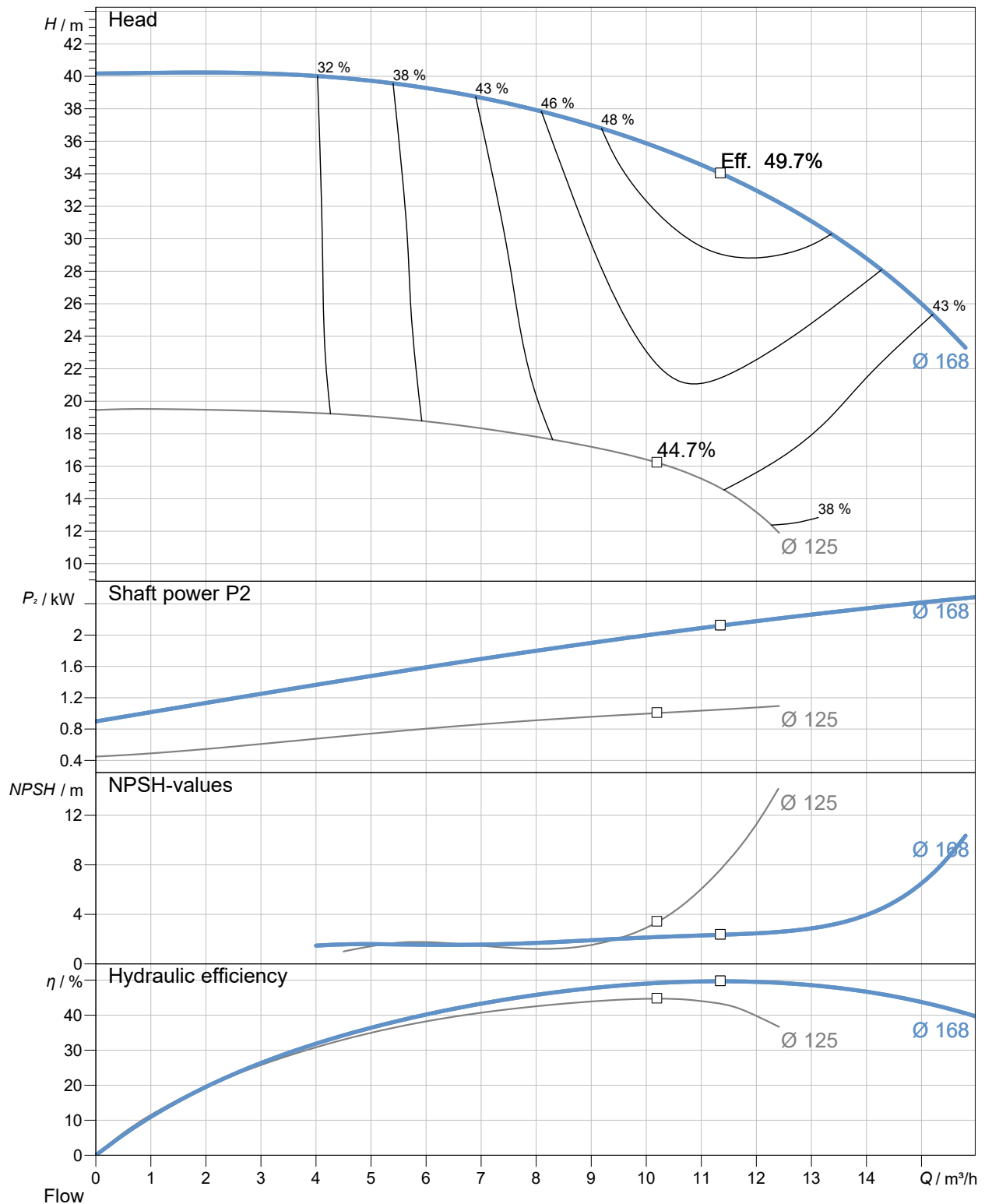
Power data referred to:

Water

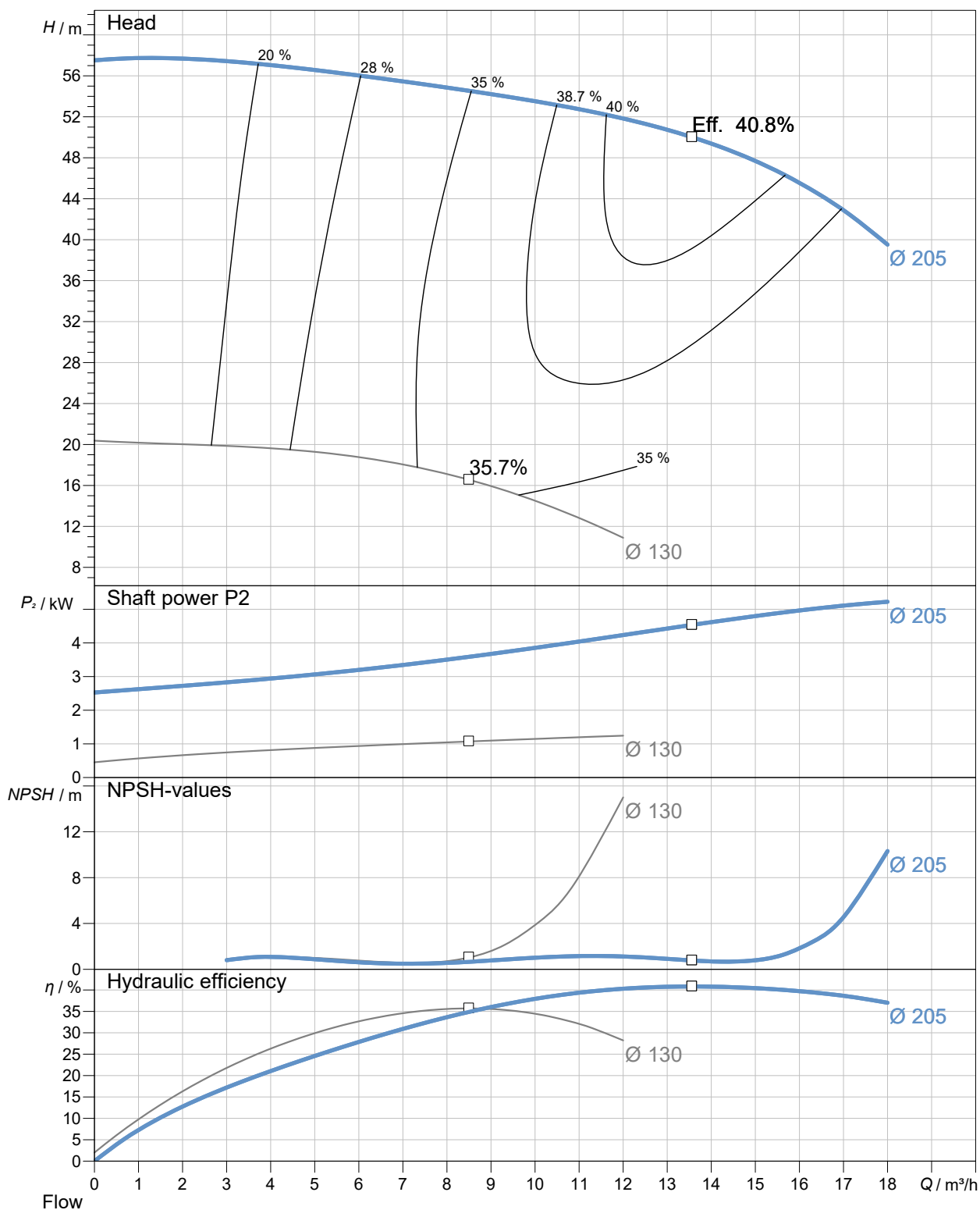
	Q	H	P	rated Torque	Vis 1.00 mm ² /s	Temp 20.0 °C	Density 0.998 kg/dm ³
1)							
2)							

Speed
2900 1/min
Impeller Ø
168 mm

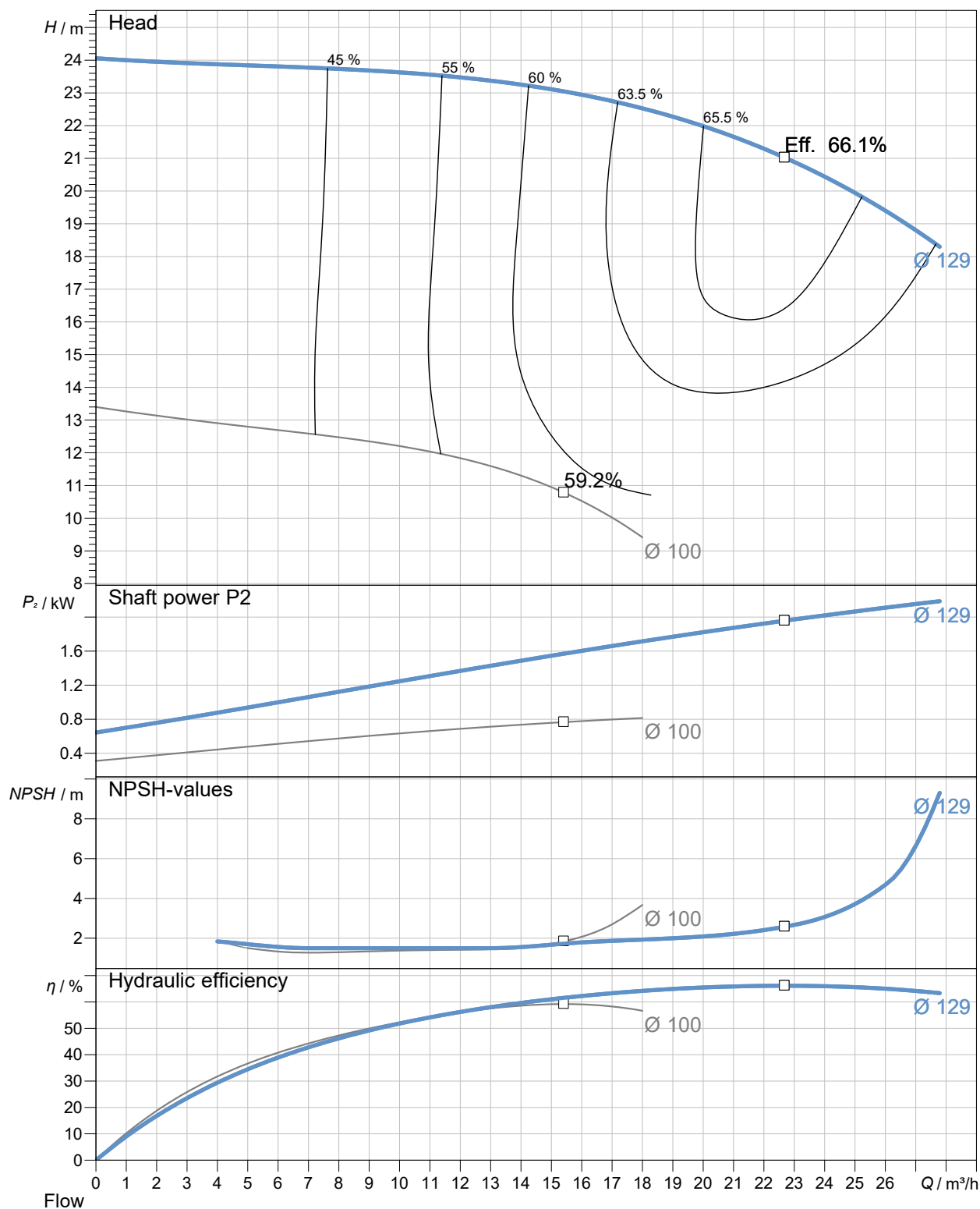
NPSH-value without safety margins



NPSH-value without safety margins



NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**
 Minimum capacity **Q_{min} = 0.1 * Q_{opt}**
 Attention! At temperature $t < -10^{\circ}\text{C}$ please note materials!

Item
Pos.no.

Created by

Date

Power data referred to:

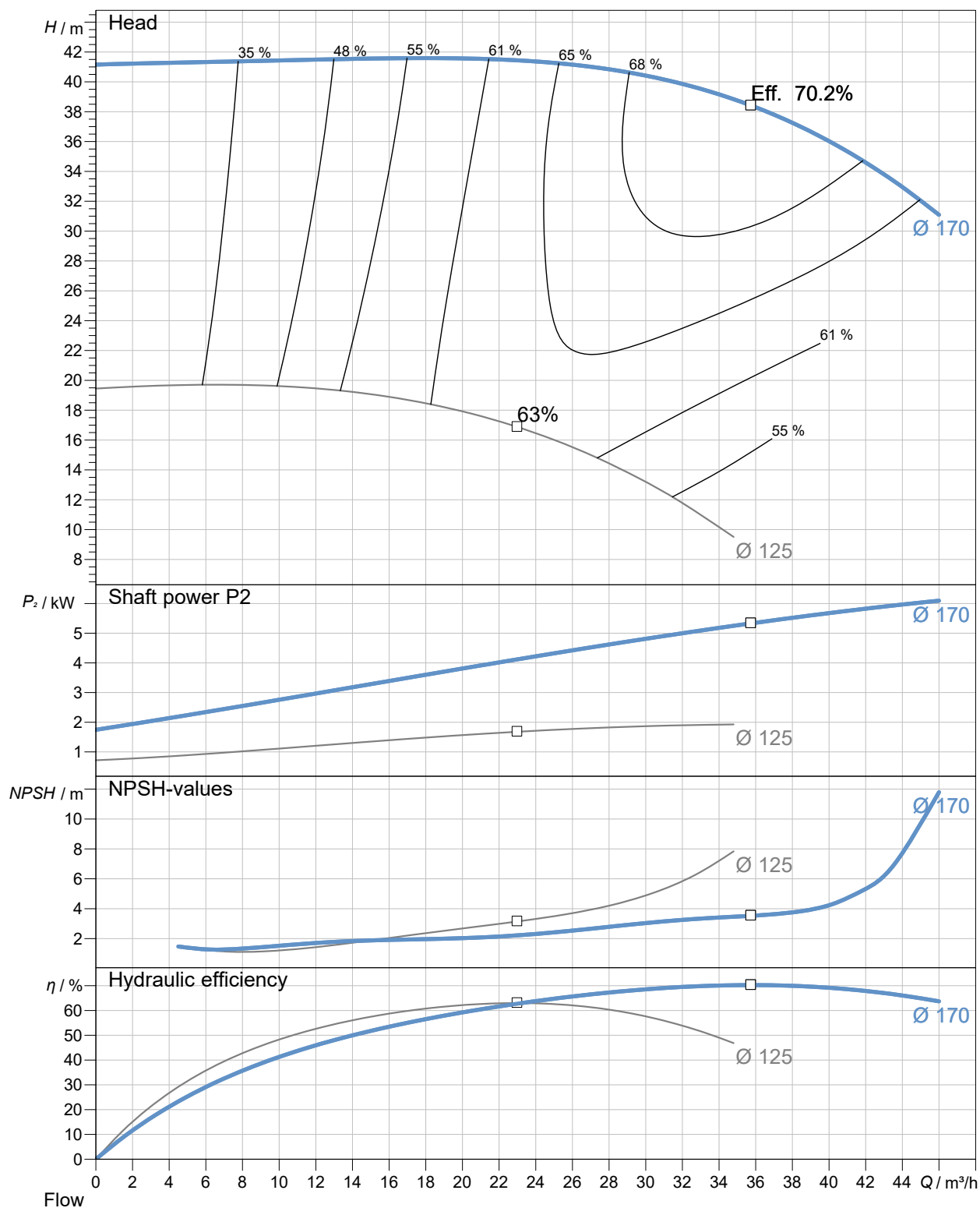
Water

	Q	H	P	rated Torque	Vis 1.00 mm ² /s	Temp 20.0 °C	Density 0.998 kg/dm ³
1)							
2)							

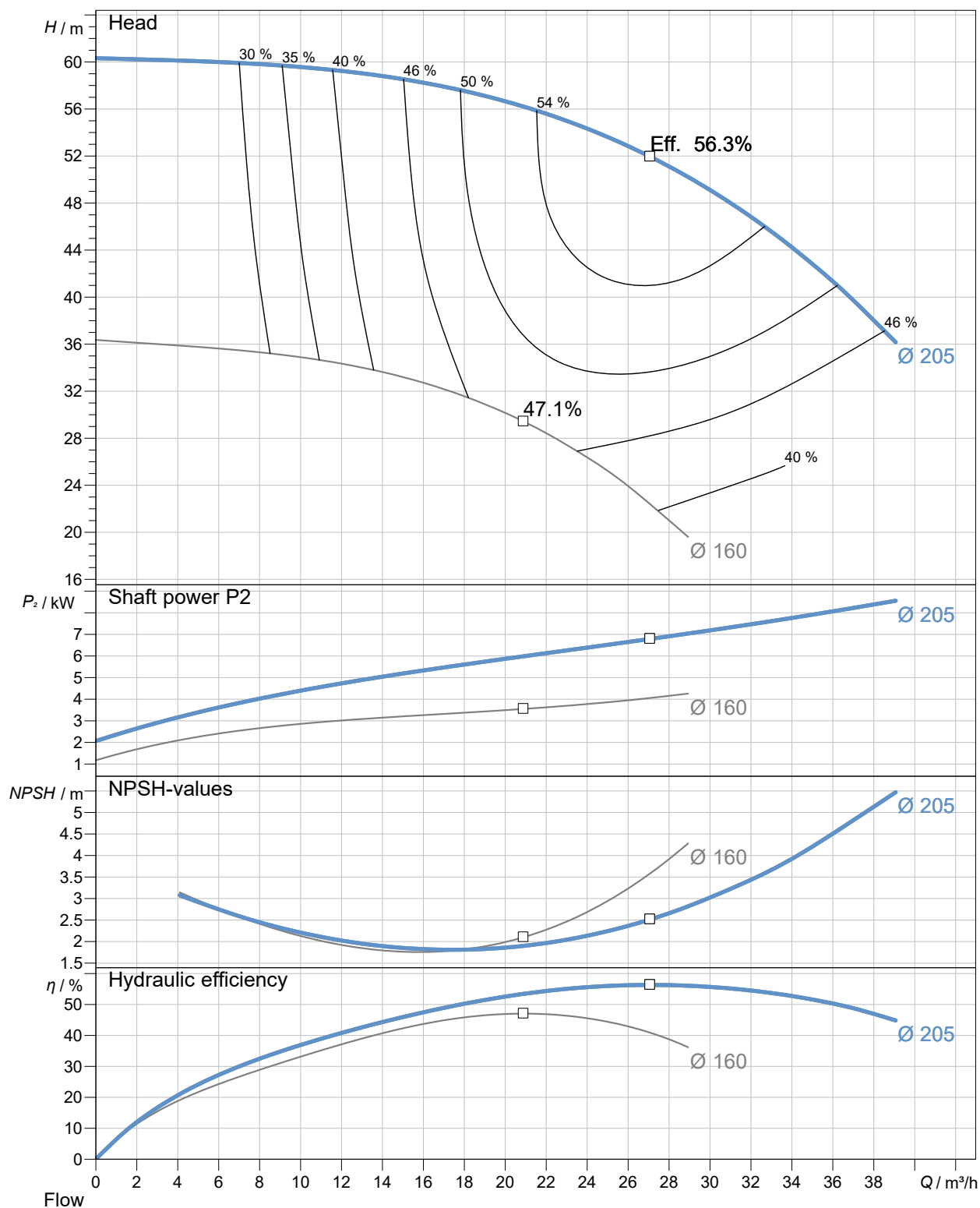
Speed
2900 1/min

Impeller Ø
170 mm

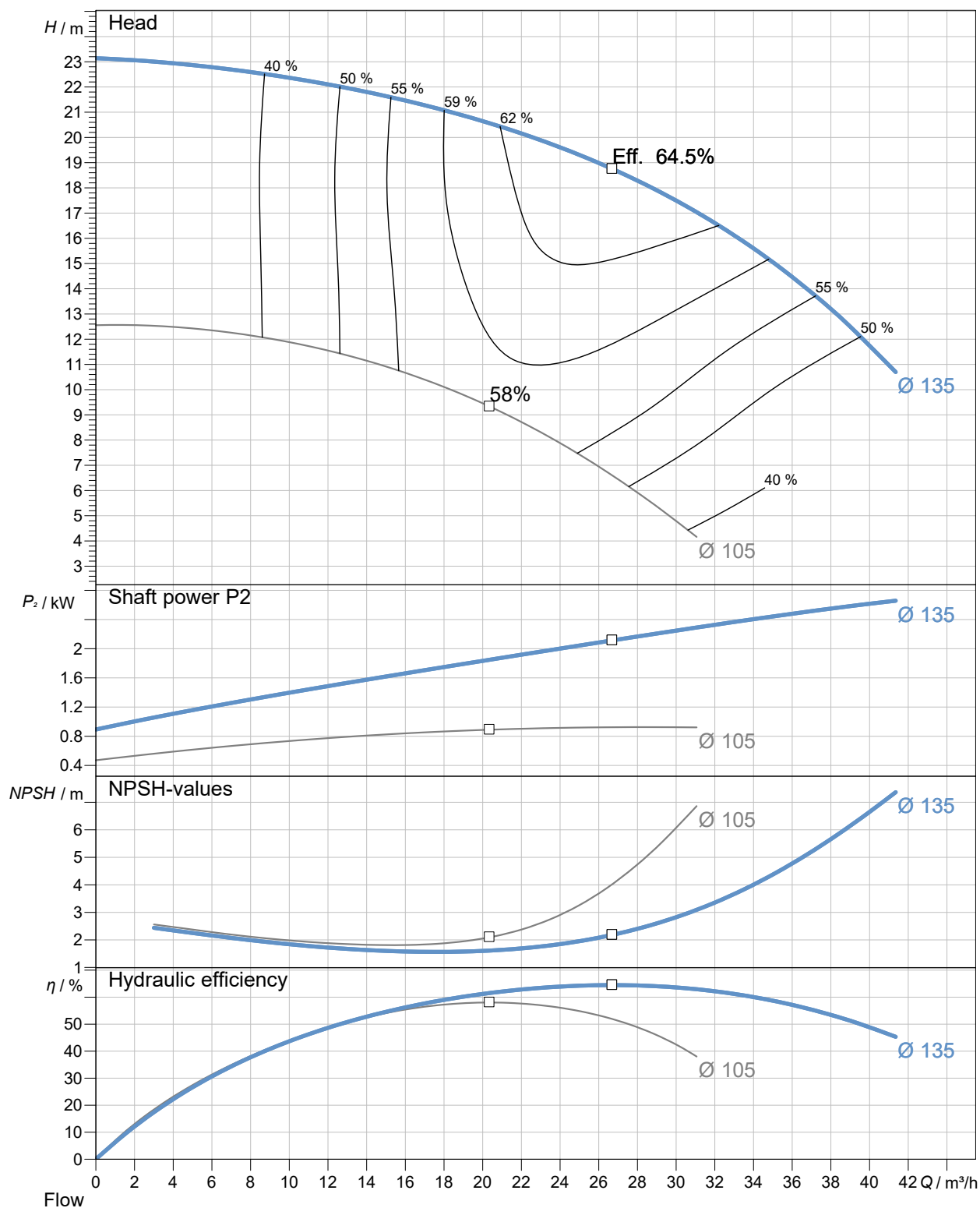
NPSH-value without safety margins



NPSH-value without safety margins



NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**
Minimum capacity **Q_{min} = 0.1 * Q_{opt}**
Attention! At temperature $t < -10^{\circ}\text{C}$ please note materials!

Item
Pos.no.

Created by

Date

Power data referred to:

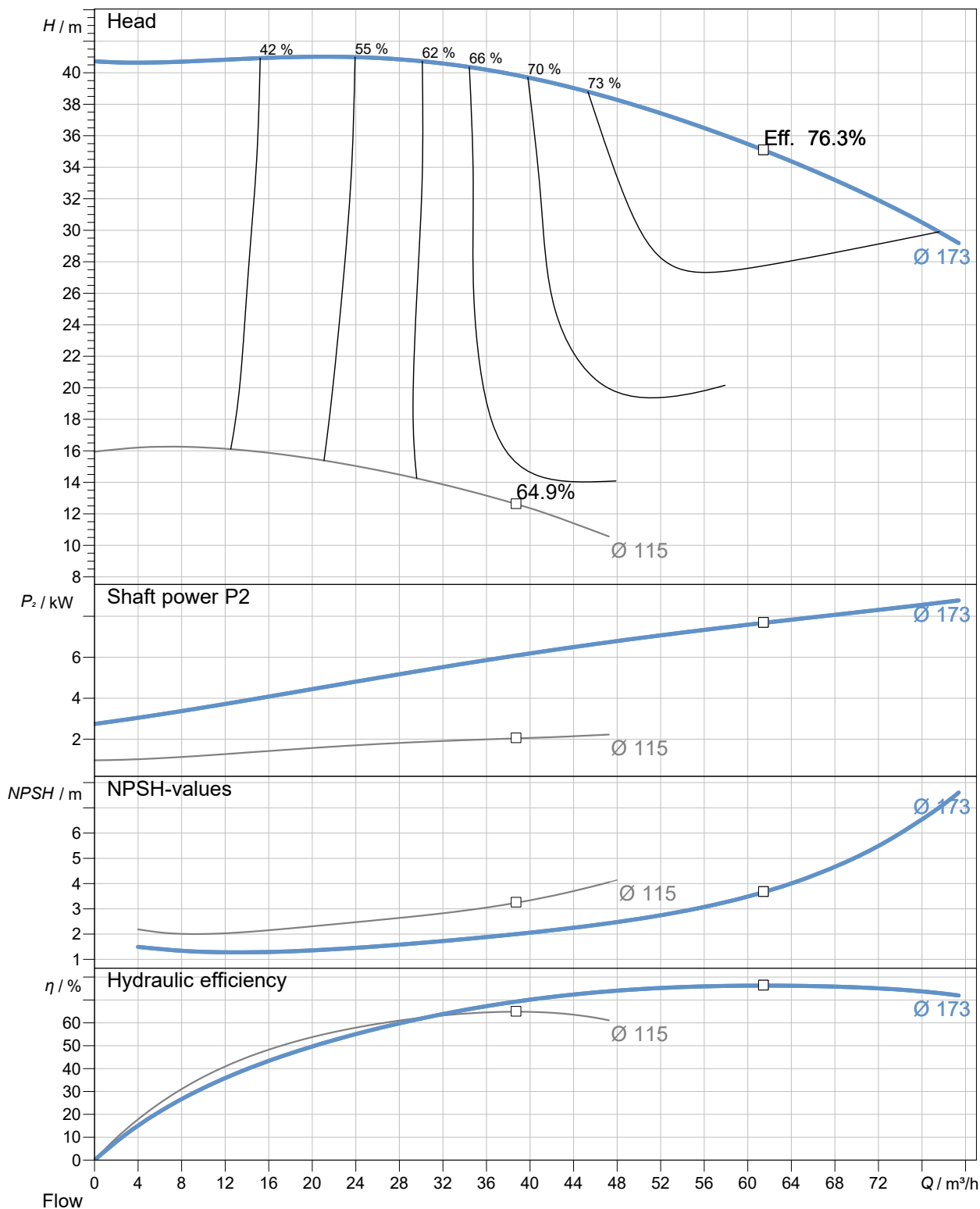
Water

Q **H** **P** **rated Torque** **Vis** **Temp** **Density**
1) **2)** **1.00 mm²/s** **20.0 °C** **0.998 kg/dm³**

Speed
2900 1/min

Impeller Ø
173 mm

NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**
Minimum capacity **Q_{min} = 0.1 * Q_{opt}**
Attention! At temperature $t < -10^{\circ}\text{C}$ please note materials!

Item
Pos.no.

Created by

Date

Power data referred to:

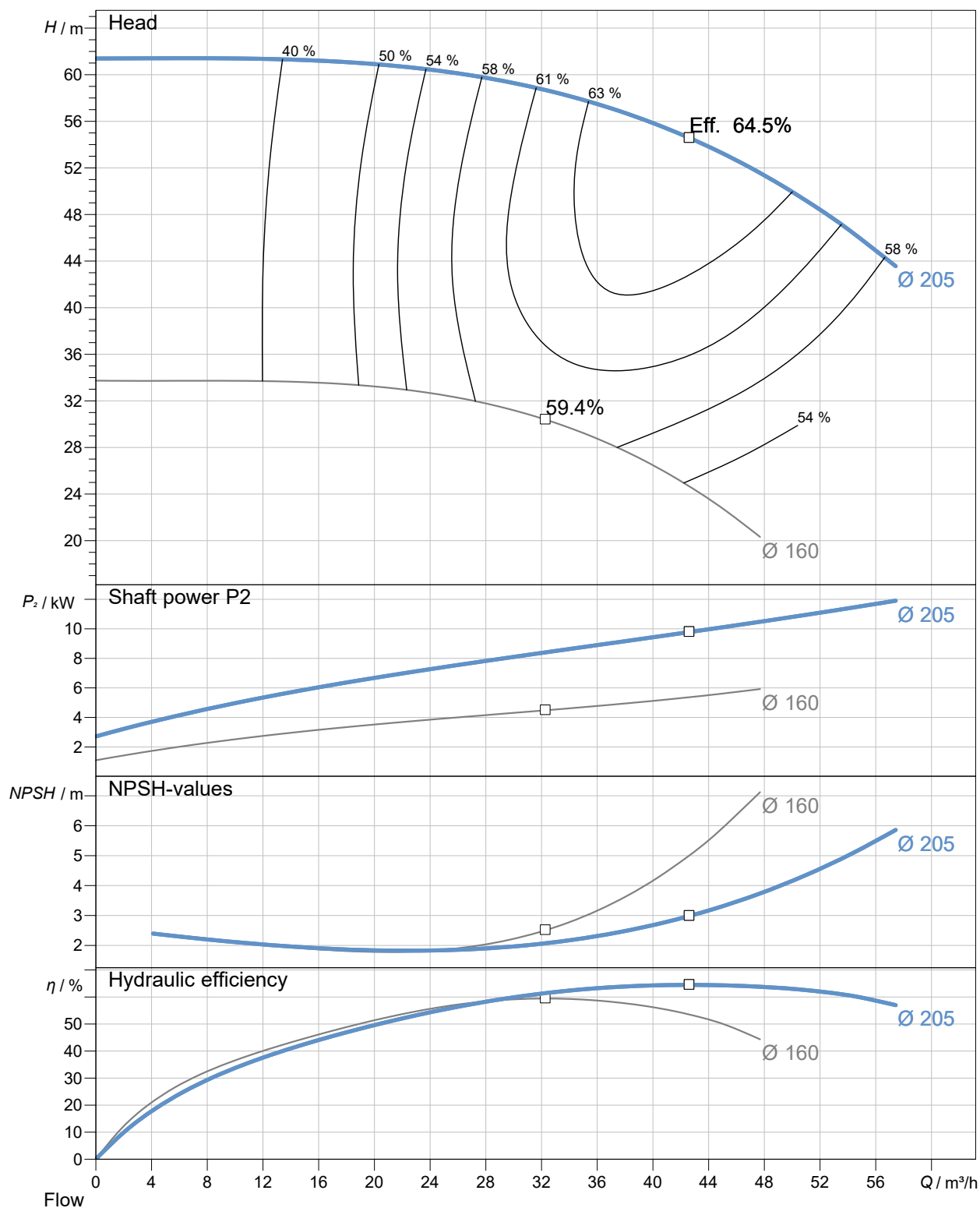
Water

Q **H** **P** **rated Torque** **Vis** **Temp** **Density**
1) **2)** **1.00 mm²/s** **20.0 °C** **0.998 kg/dm³**

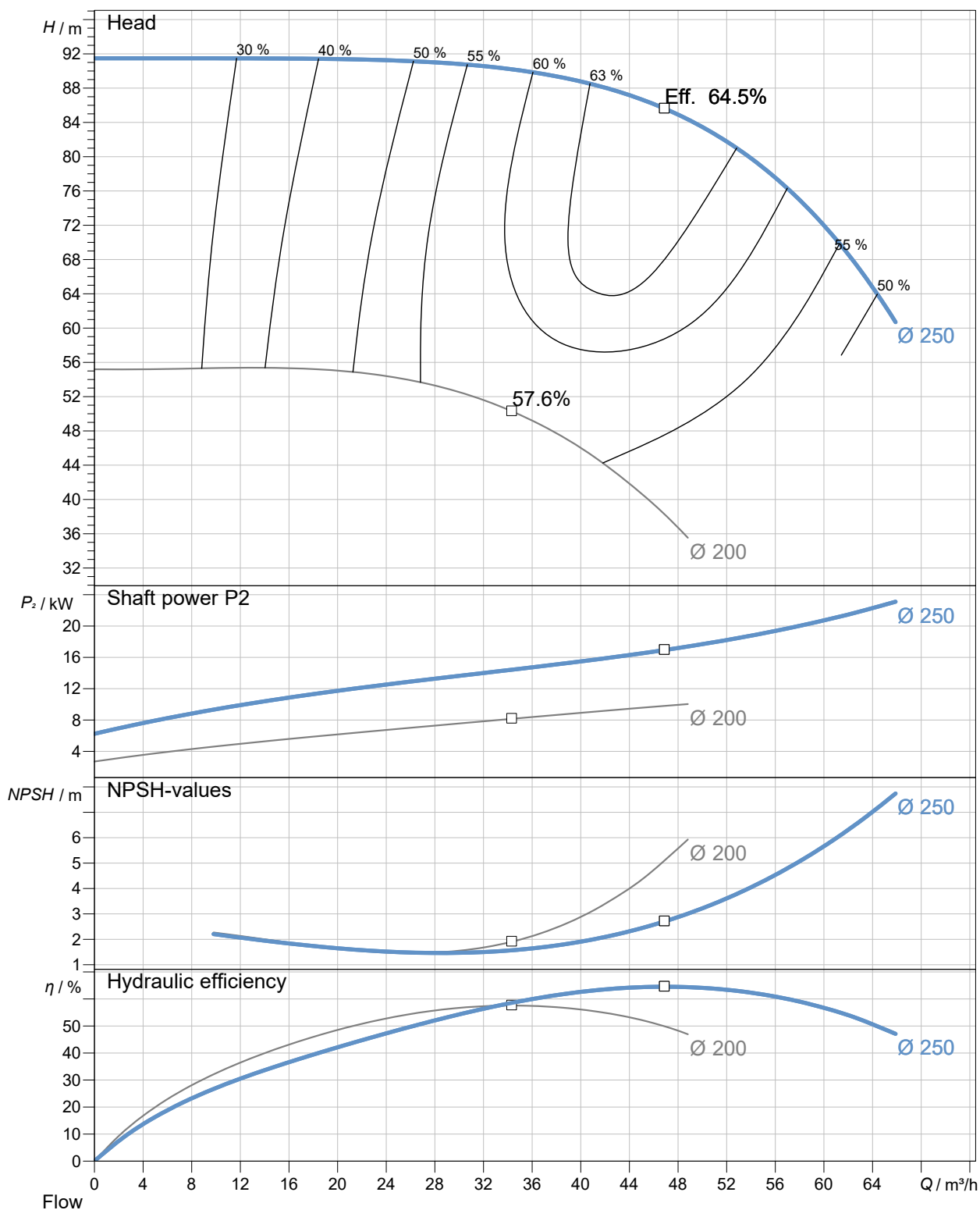
Speed
2900 1/min

Impeller Ø
205 mm

NPSH-value without safety margins



NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

$Q_{min} = 0.1 \cdot Q_{opt}$

Attention! At temperature $t < -10^{\circ}\text{C}$ please note materials!

Power data referred to:

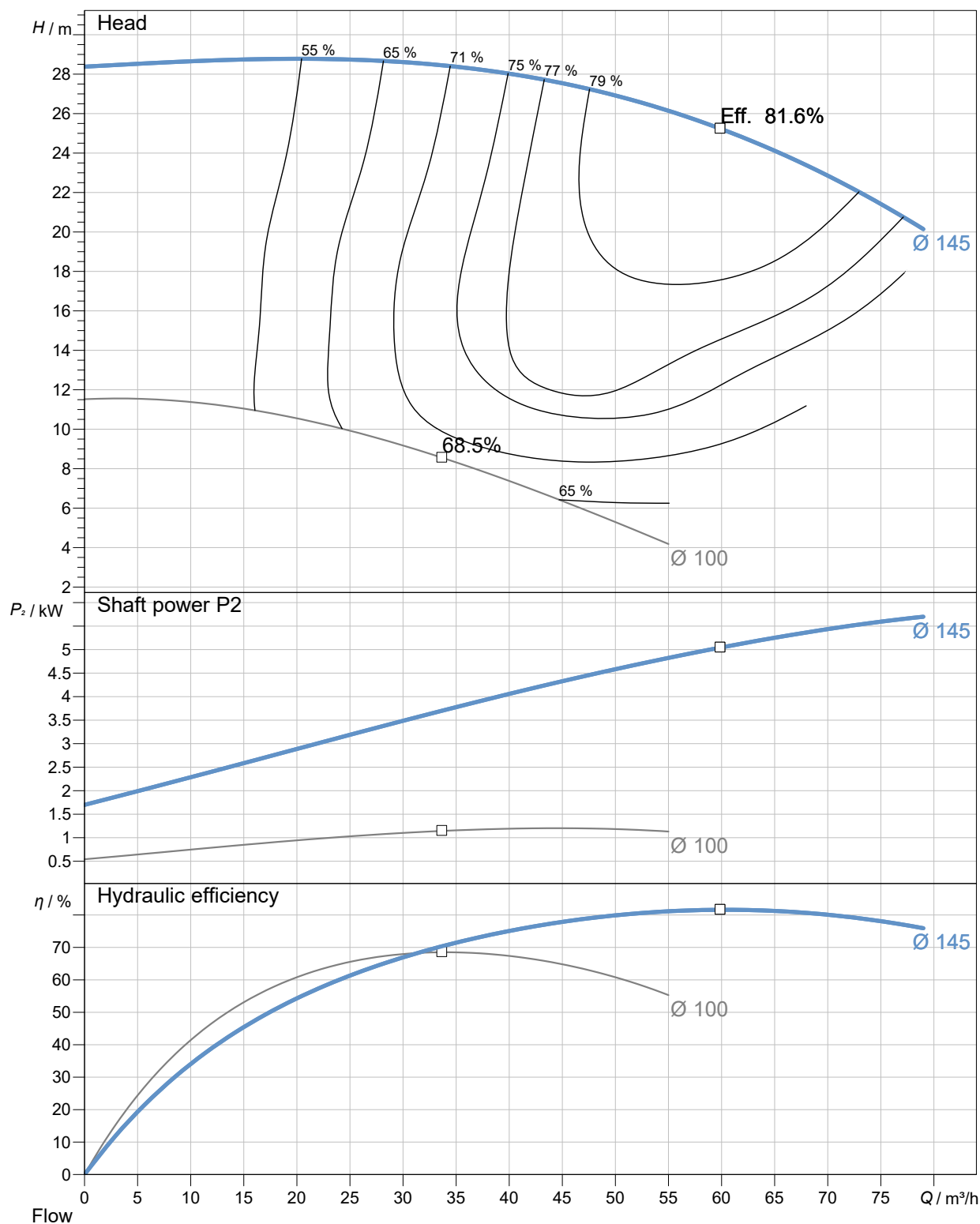
Water

	Q	H	P	rated Torque	Vis 1.00 mm ² /s	Temp 20.0 °C	Density 0.998 kg/dm ³
1)							
2)							

Speed
2900 1/min

Impeller Ø
145 mm

NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

$Q_{min} = 0.1 \cdot Q_{opt}$

Attention! At temperature $t < -10^{\circ}\text{C}$ please note materials!

Power data referred to:

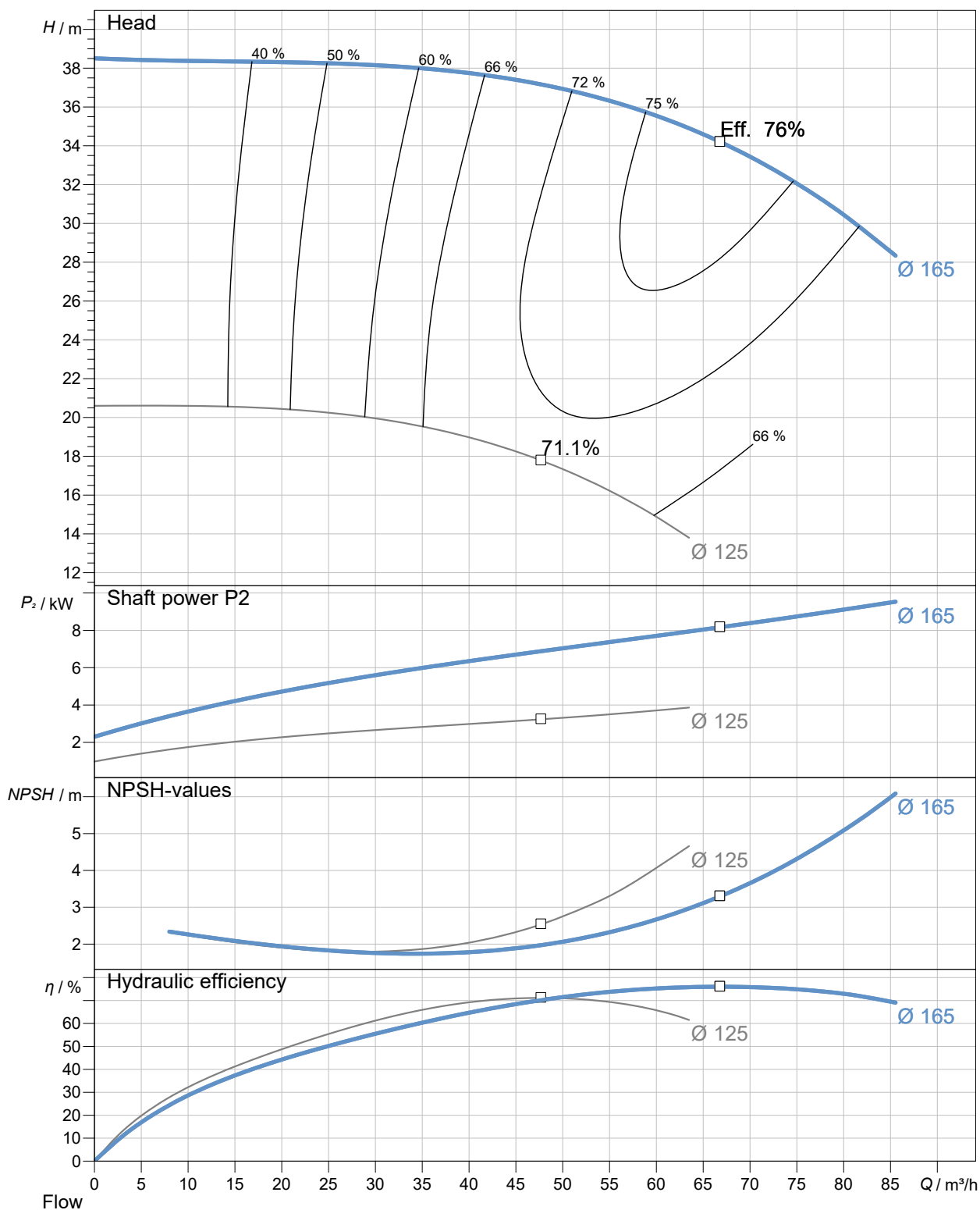
Water

	Q	H	P	rated Torque	Vis 1.00 mm ² /s	Temp 20.0 °C	Density 0.998 kg/dm ³
1)							
2)							

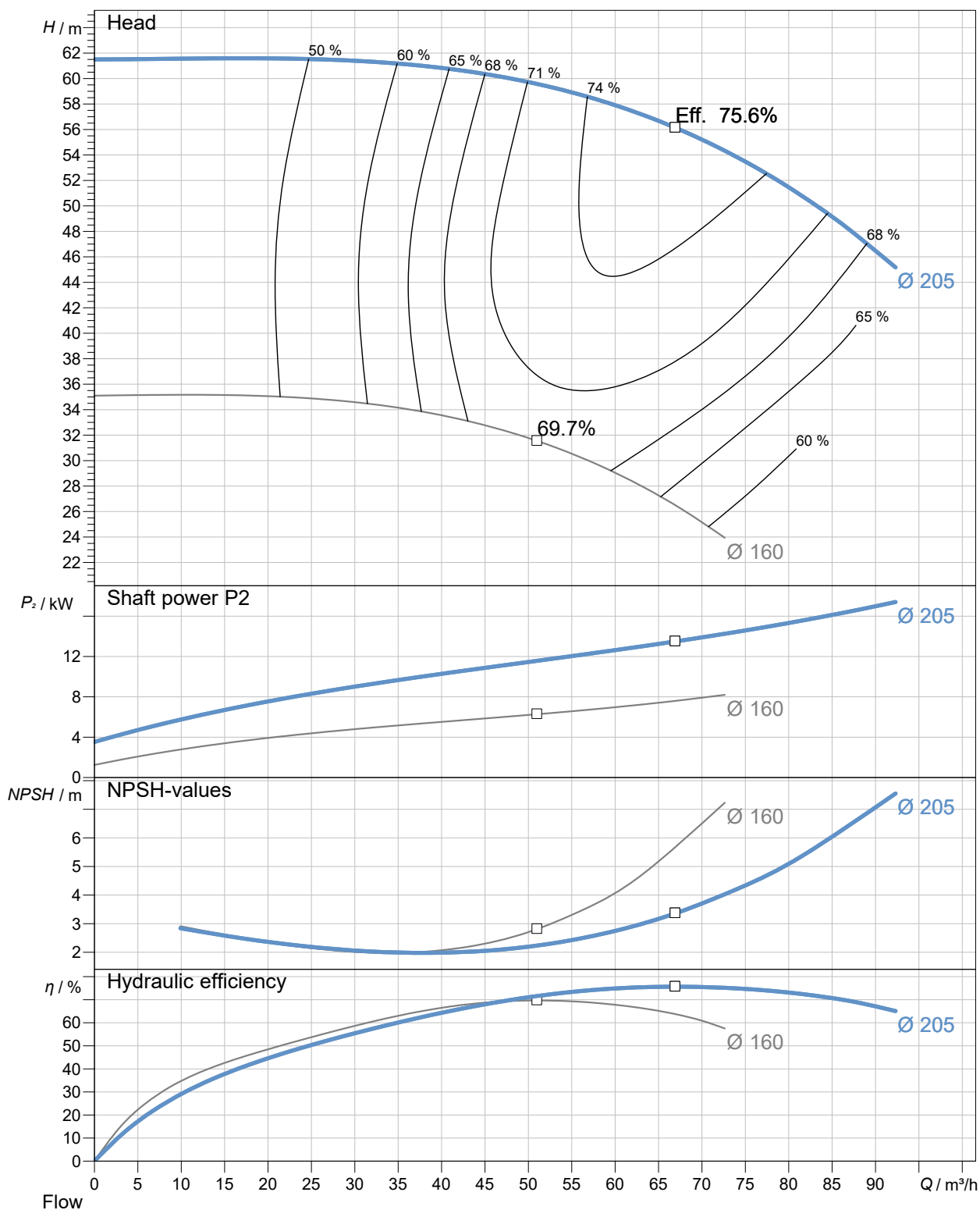
Speed
2900 1/min

Impeller Ø
165 mm

NPSH-value without safety margins



NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

$Q_{min} = 0.1 \cdot Q_{opt}$

Attention! Please note the maximum motor power, motor power limit 37 kW (motor typ 200L).

Power data referred to:

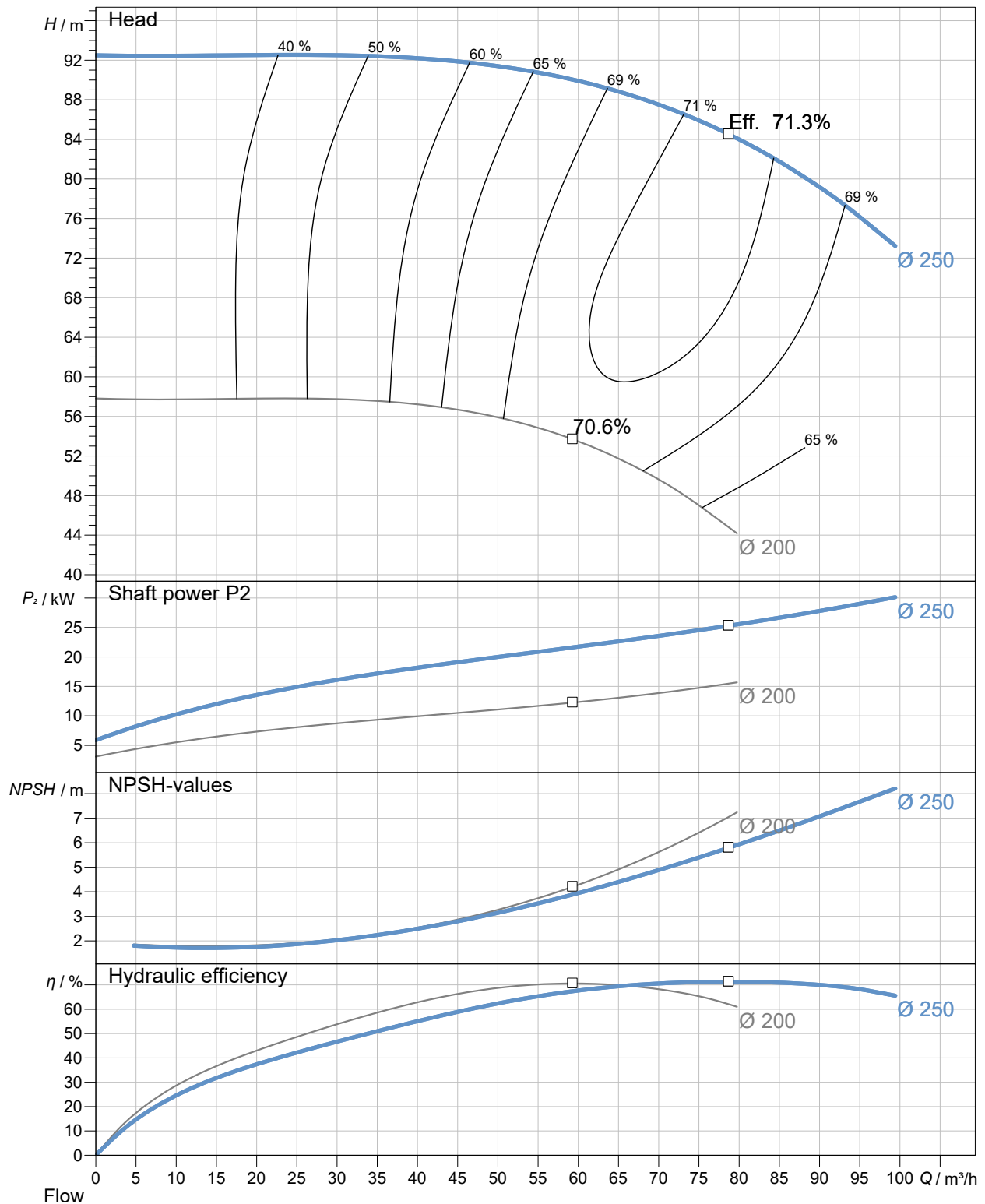
Water

	Q	H	P	rated Torque	Vis 1.00 mm²/s	Temp 20.0 °C	Density 0.998 kg/dm³
1)							
2)							

Speed
2900 1/min

Impeller Ø
250 mm

NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**
Minimum capacity **Q_{min} = 0.1 * Q_{opt}**
Attention! At temperature $t < -10^{\circ}\text{C}$ please note materials!

Item
Pos.no.

Created by

Date

Power data referred to:

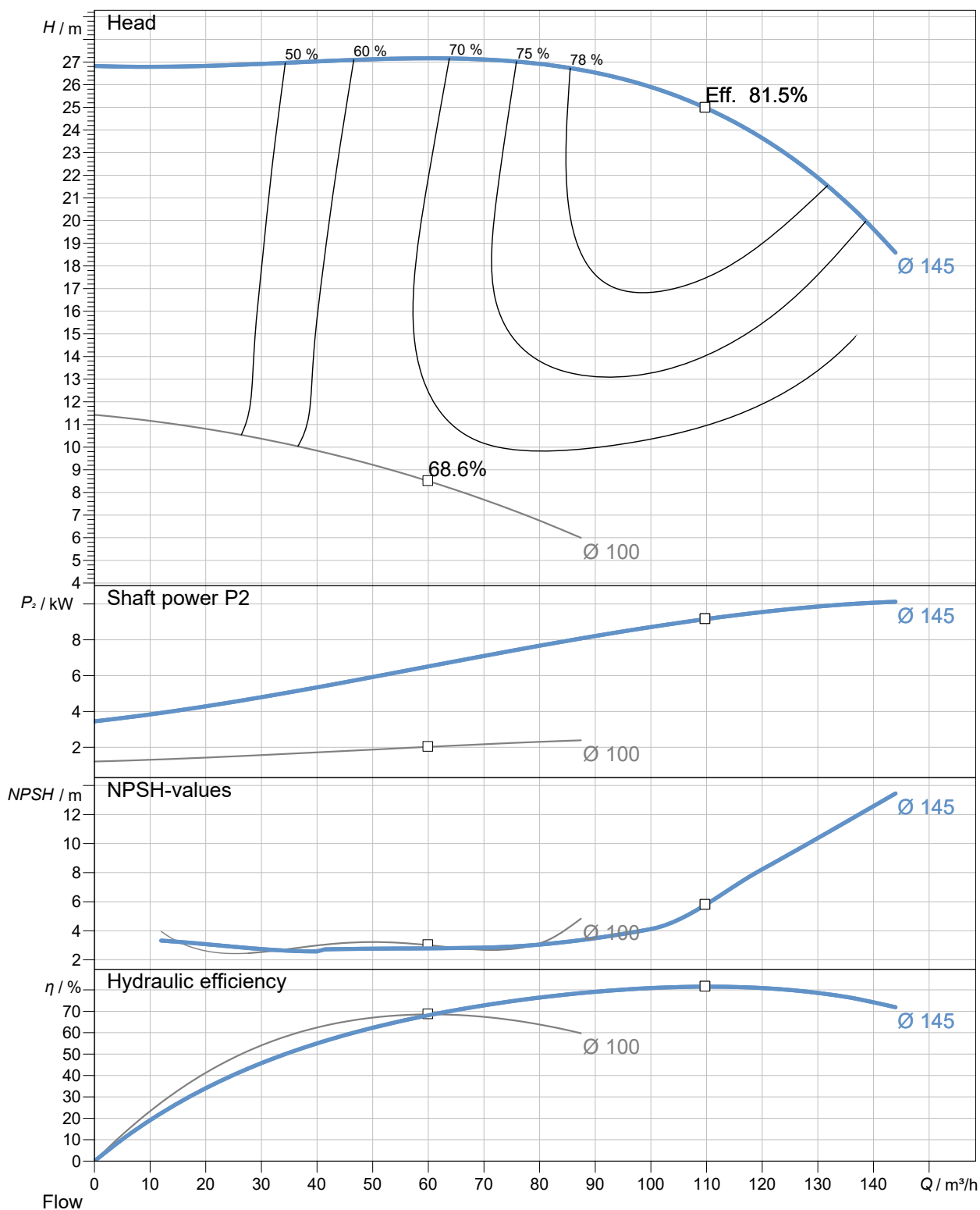
Water

Q **H** **P** **rated Torque** **Vis** **Temp** **Density**
1) **2)** **1.00 mm²/s** **20.0 °C** **0.998 kg/dm³**

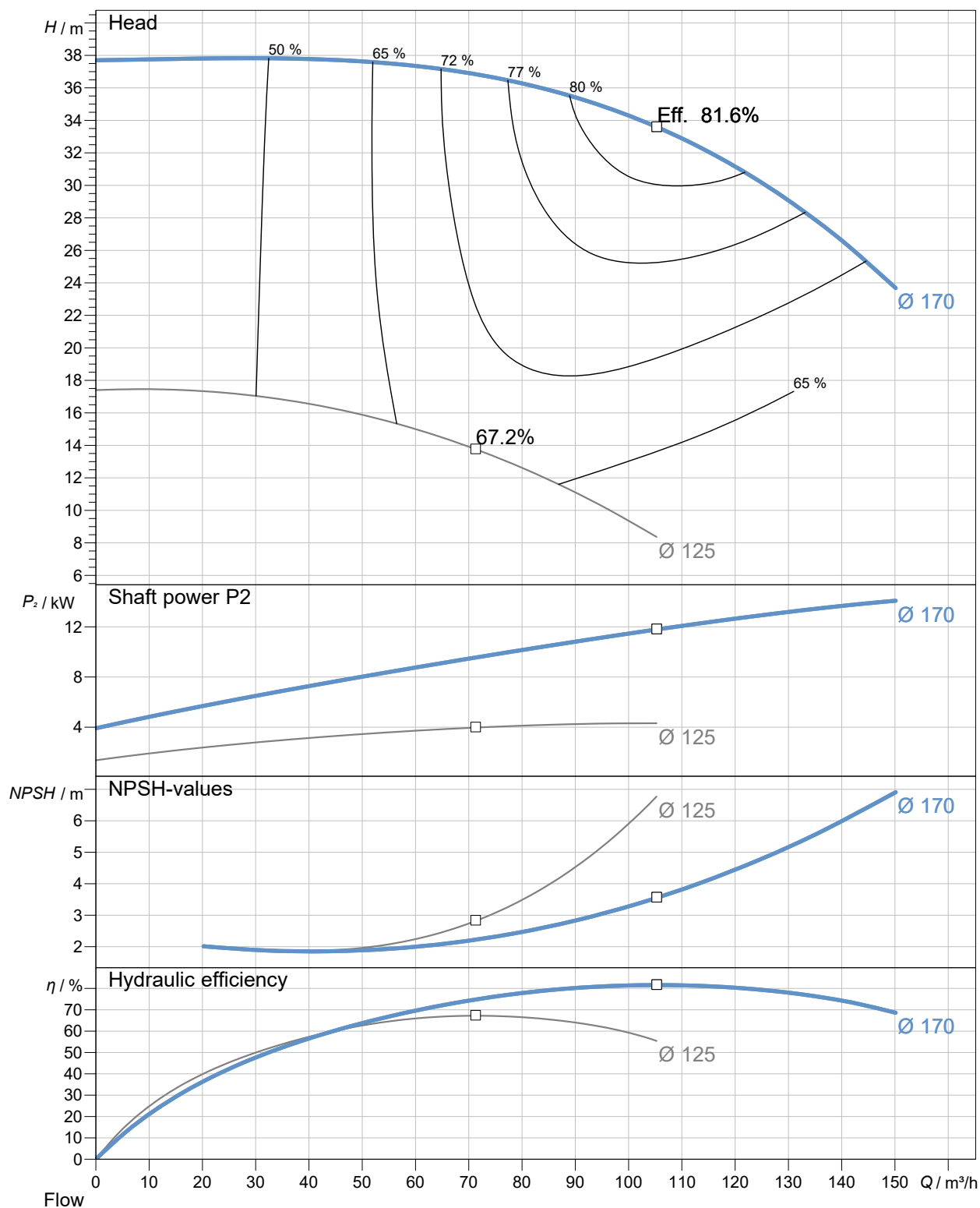
Speed
2900 1/min

Impeller Ø
145 mm

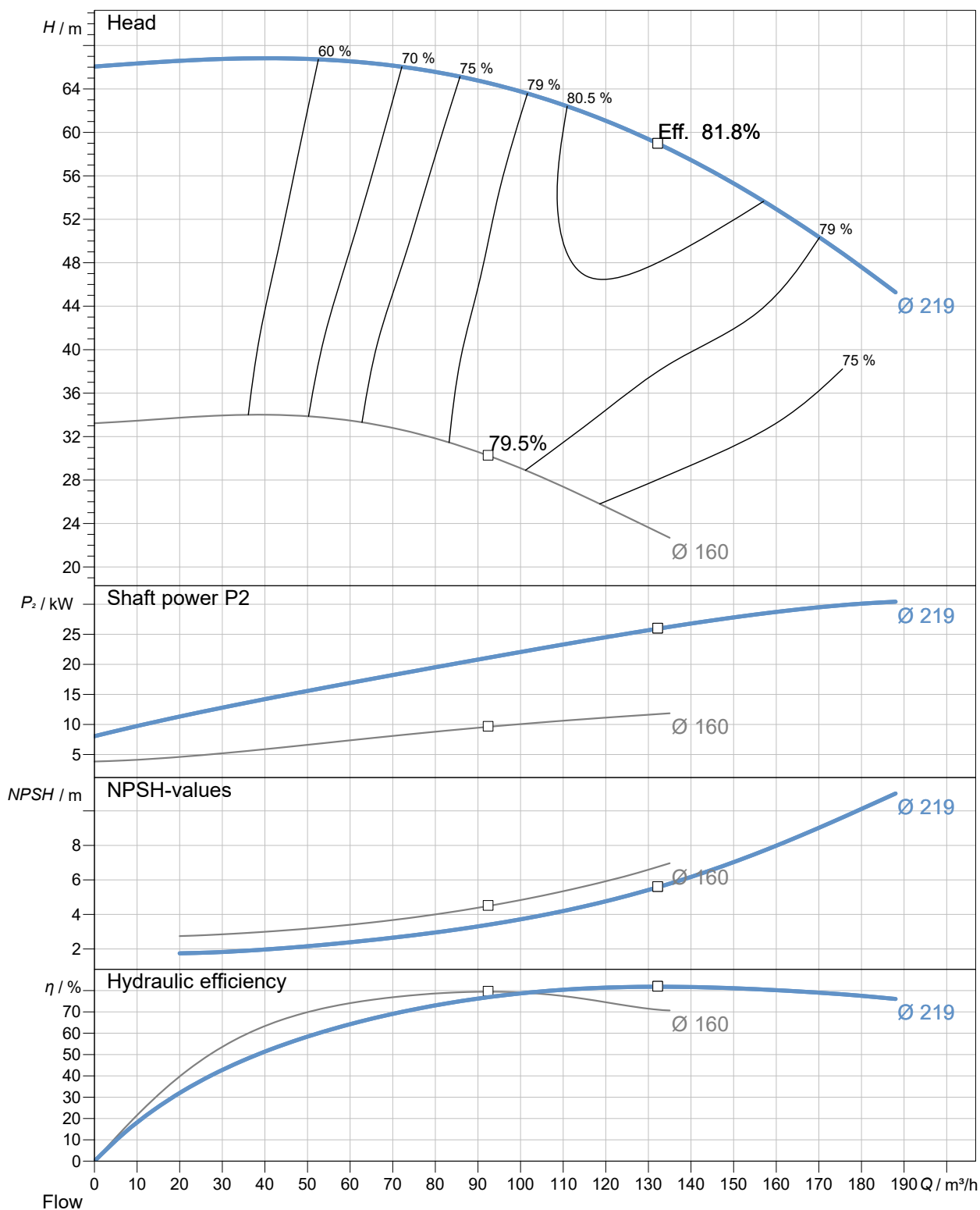
NPSH-value without safety margins



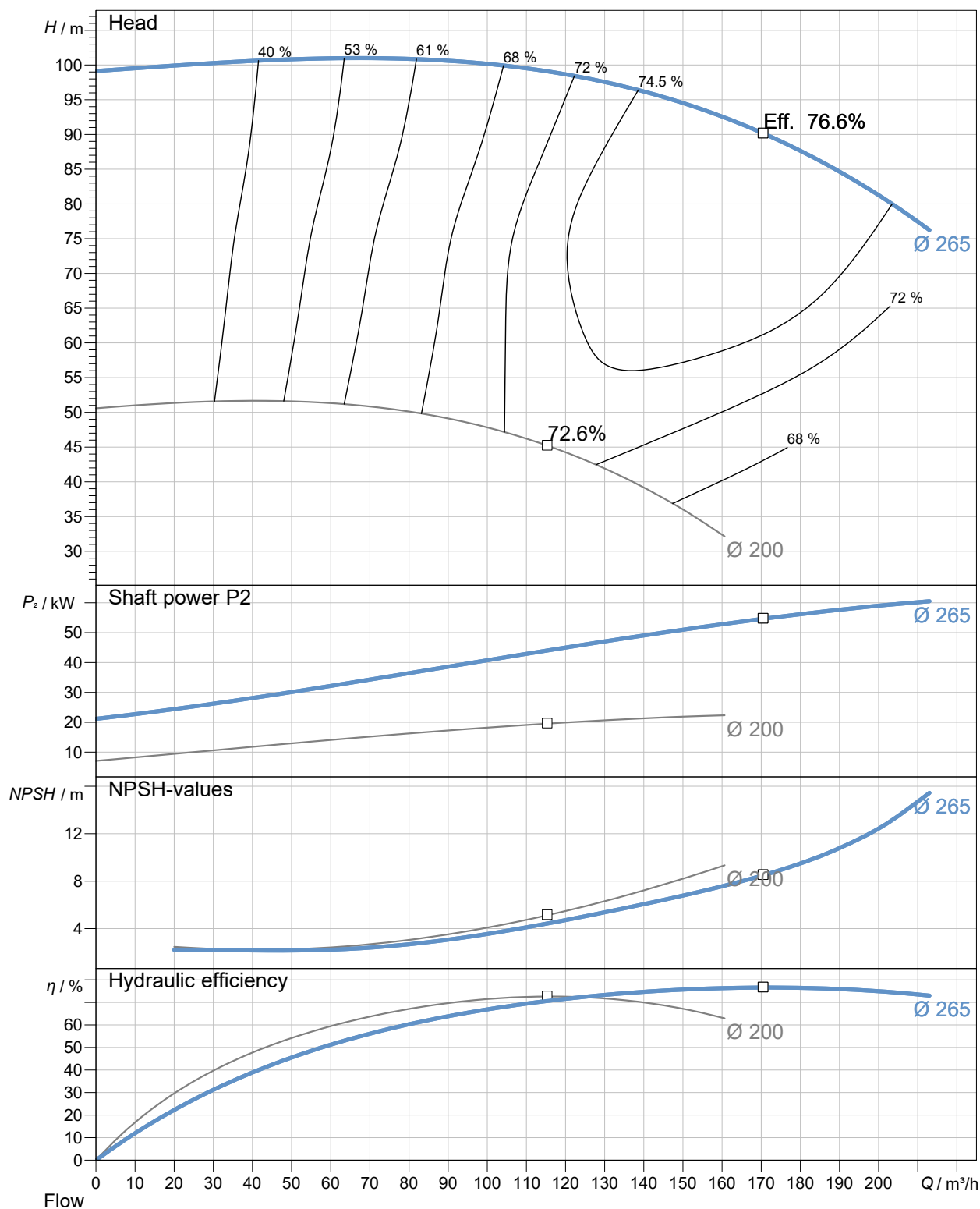
NPSH-value without safety margins



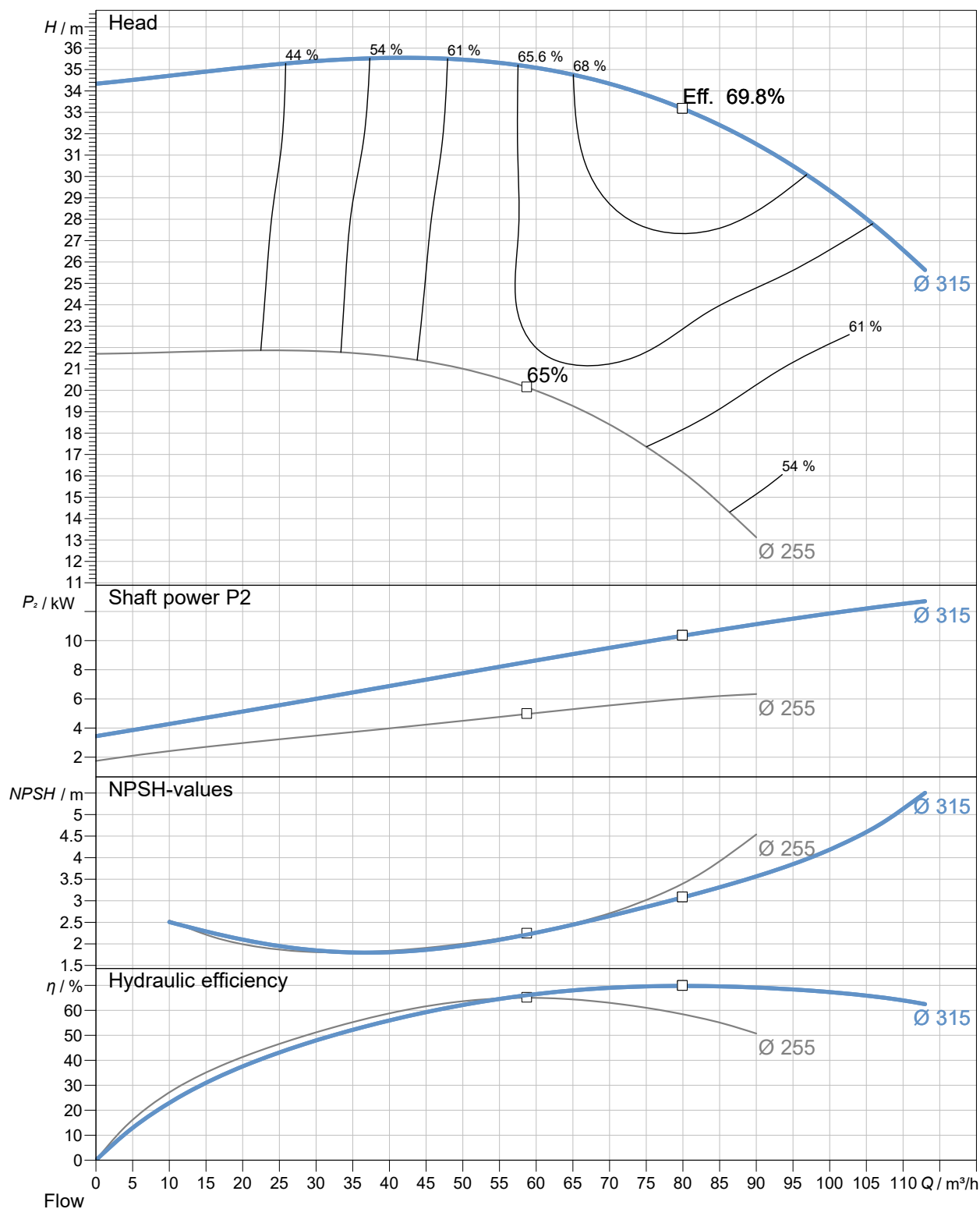
NPSH-value without safety margins



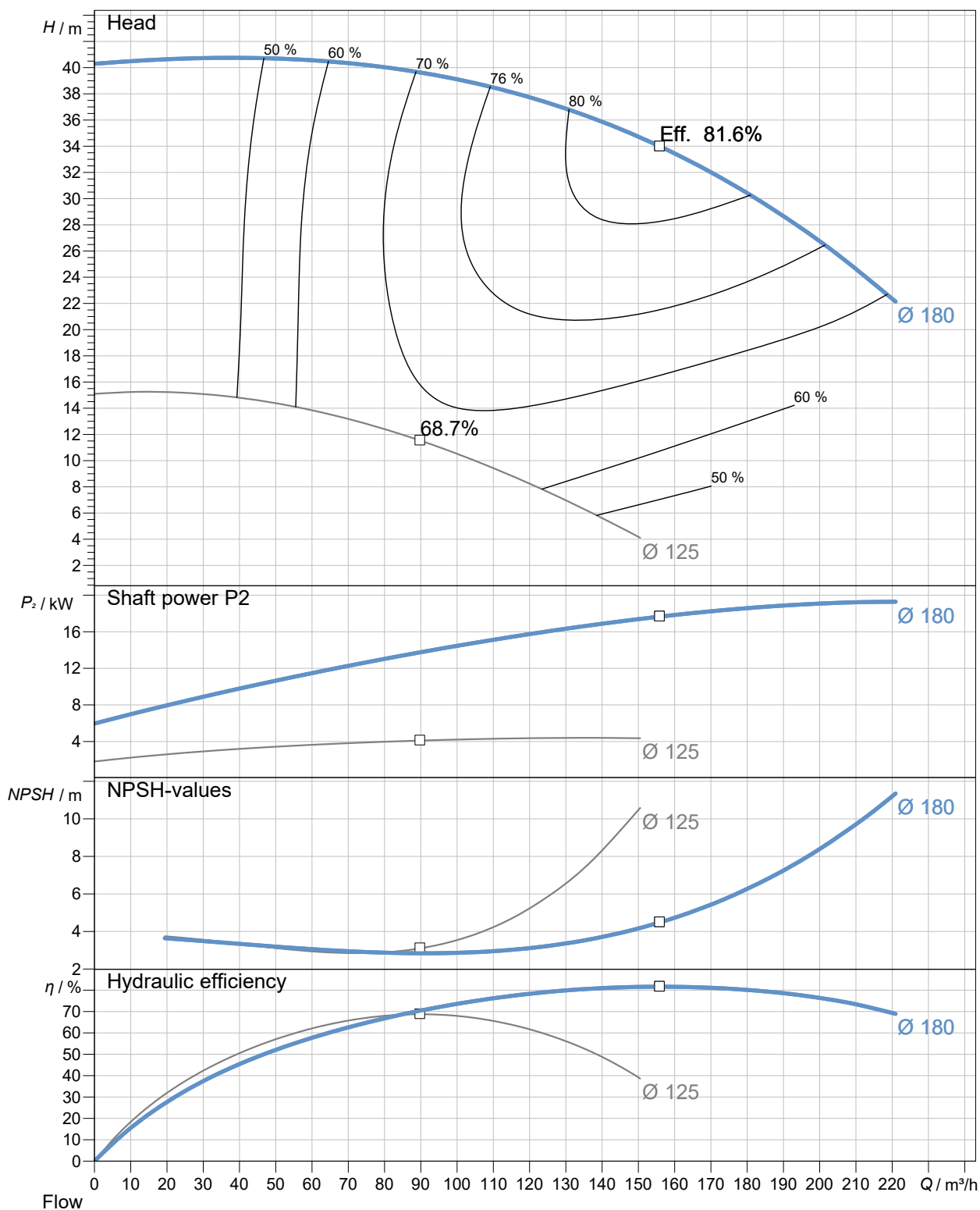
NPSH-value without safety margins



NPSH-value without safety margins



NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

$Q_{min} = 0.1 \cdot Q_{opt}$

Attention! Please note the maximum motor power, motor power limit 37 kW (motor typ 200L).

Power data referred to:

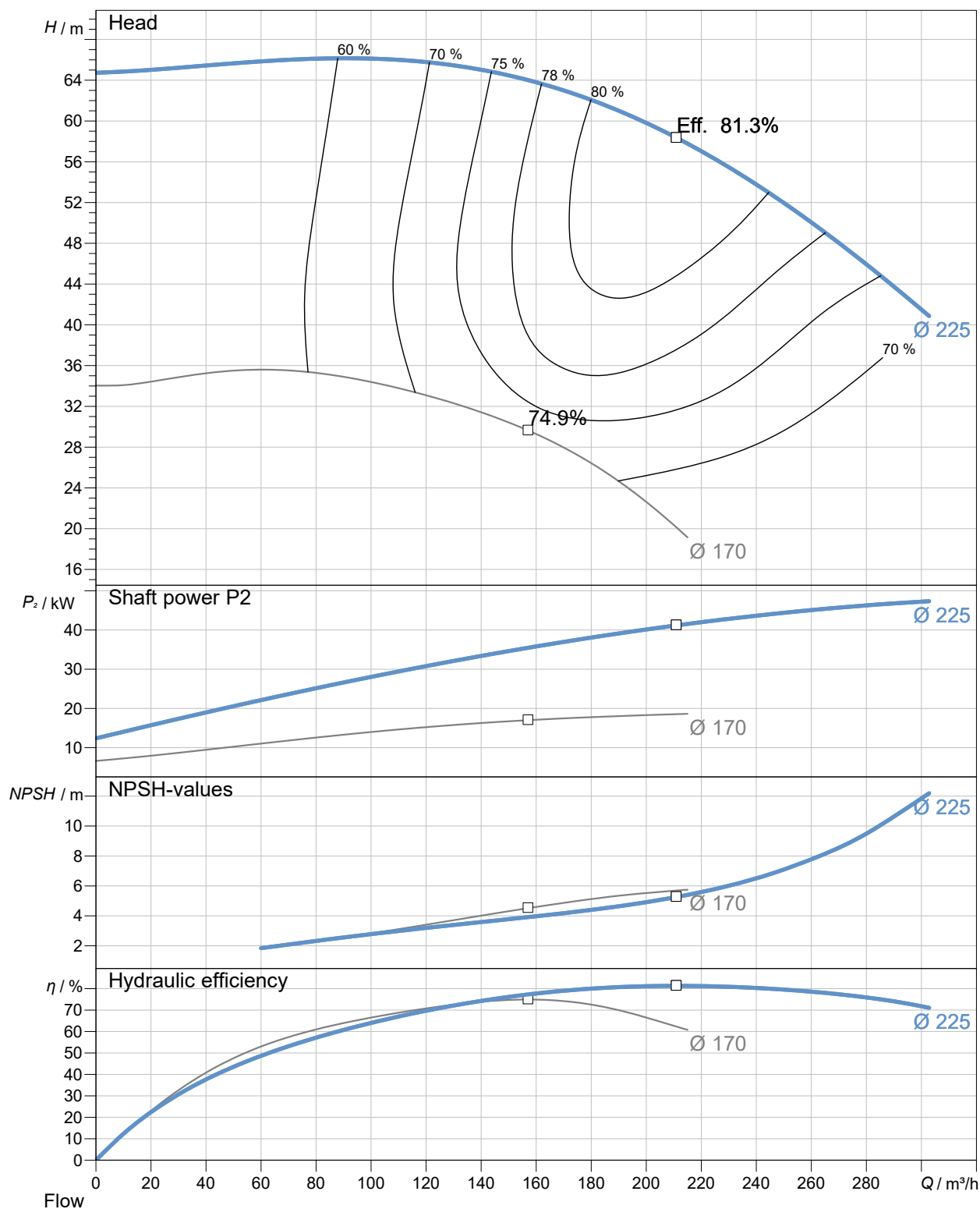
Water

	Q	H	P	rated Torque	Vis 1.00 mm²/s	Temp 20.0 °C	Density 0.998 kg/dm³
1)							
2)							

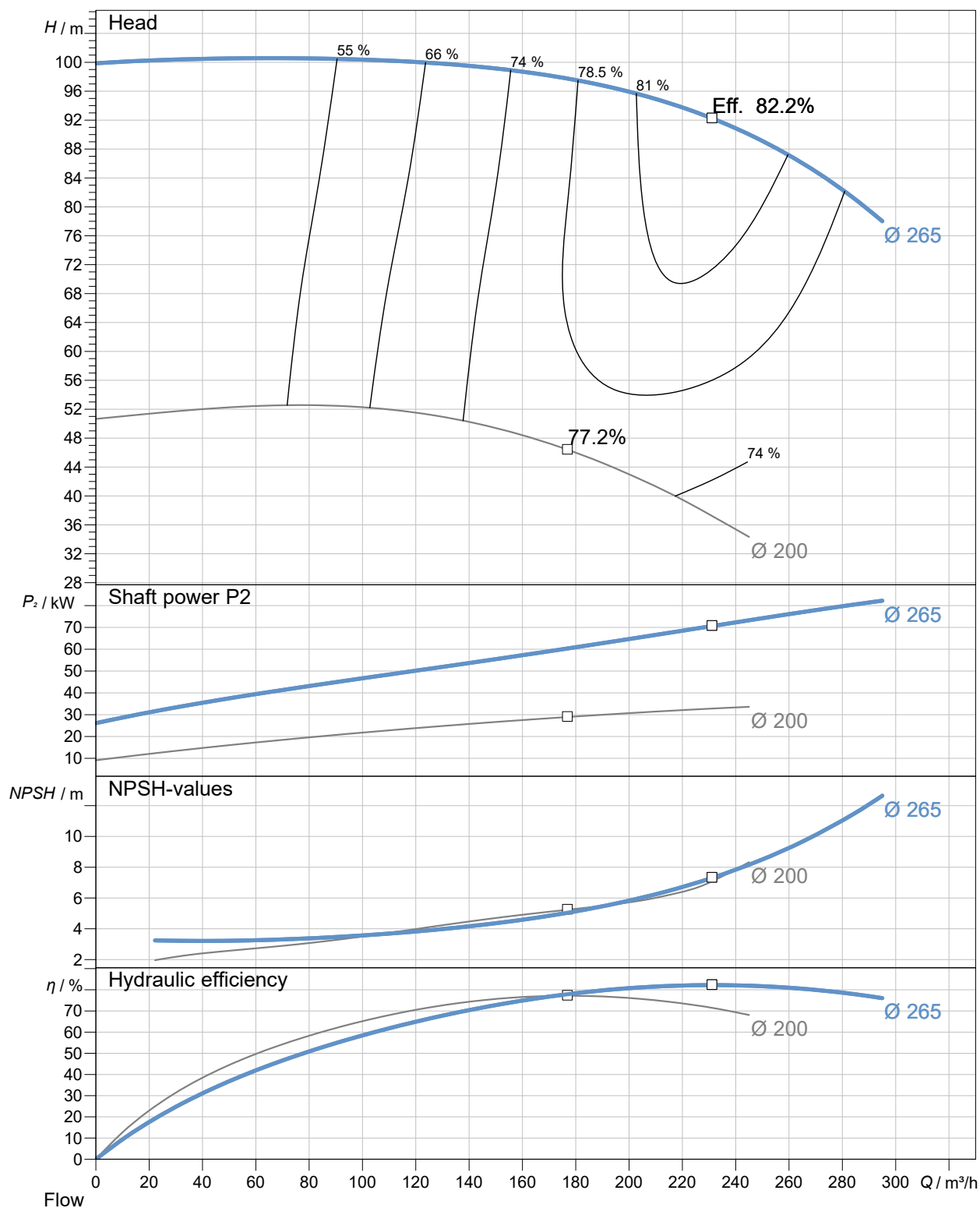
Speed
2900 1/min

Impeller Ø
225 mm

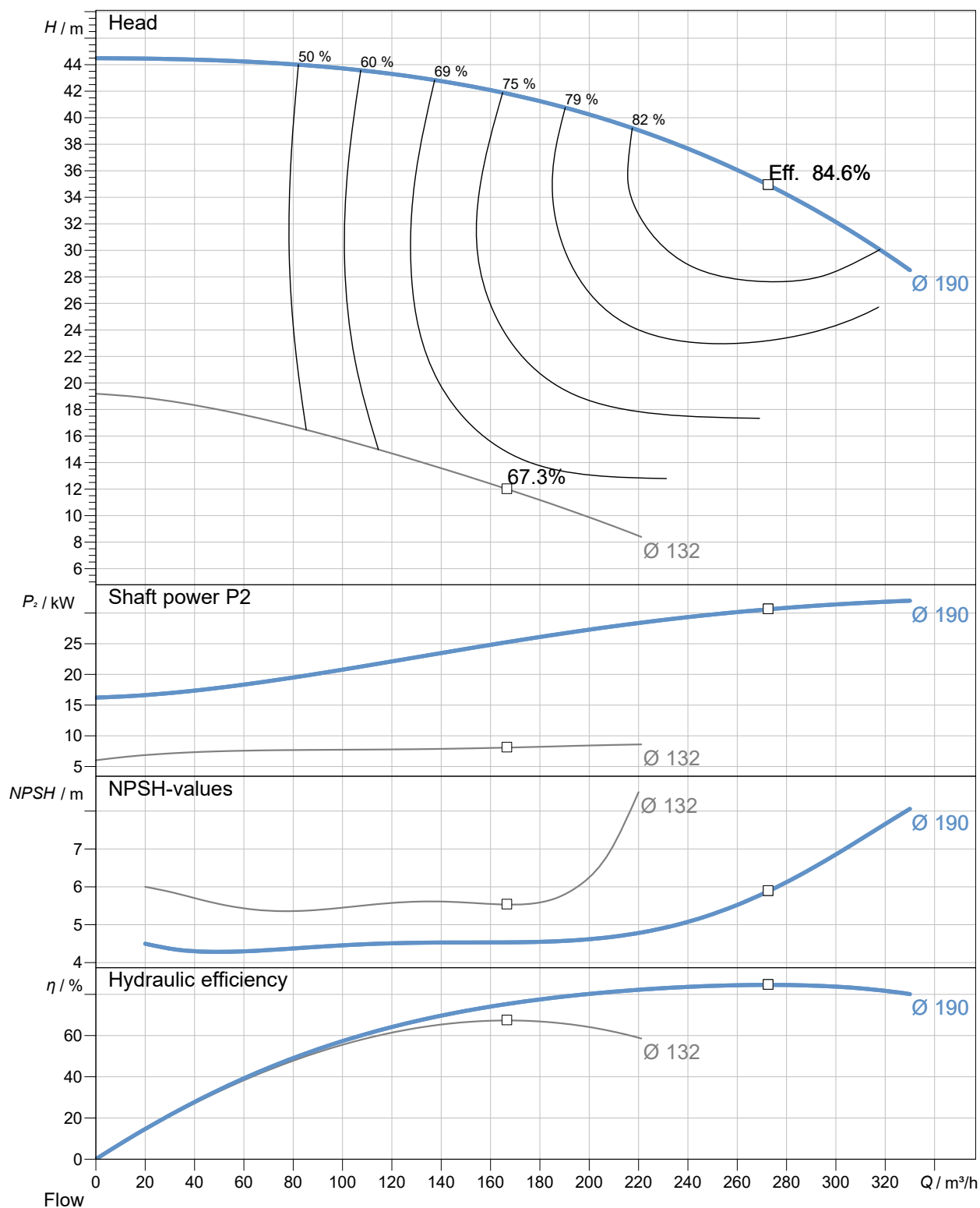
NPSH-value without safety margins



NPSH-value without safety margins



NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

$Q_{min} = 0.1 \cdot Q_{opt}$

Attention! Please note the maximum motor power, motor power limit 37 kW (motor typ 200L).

Power data referred to:

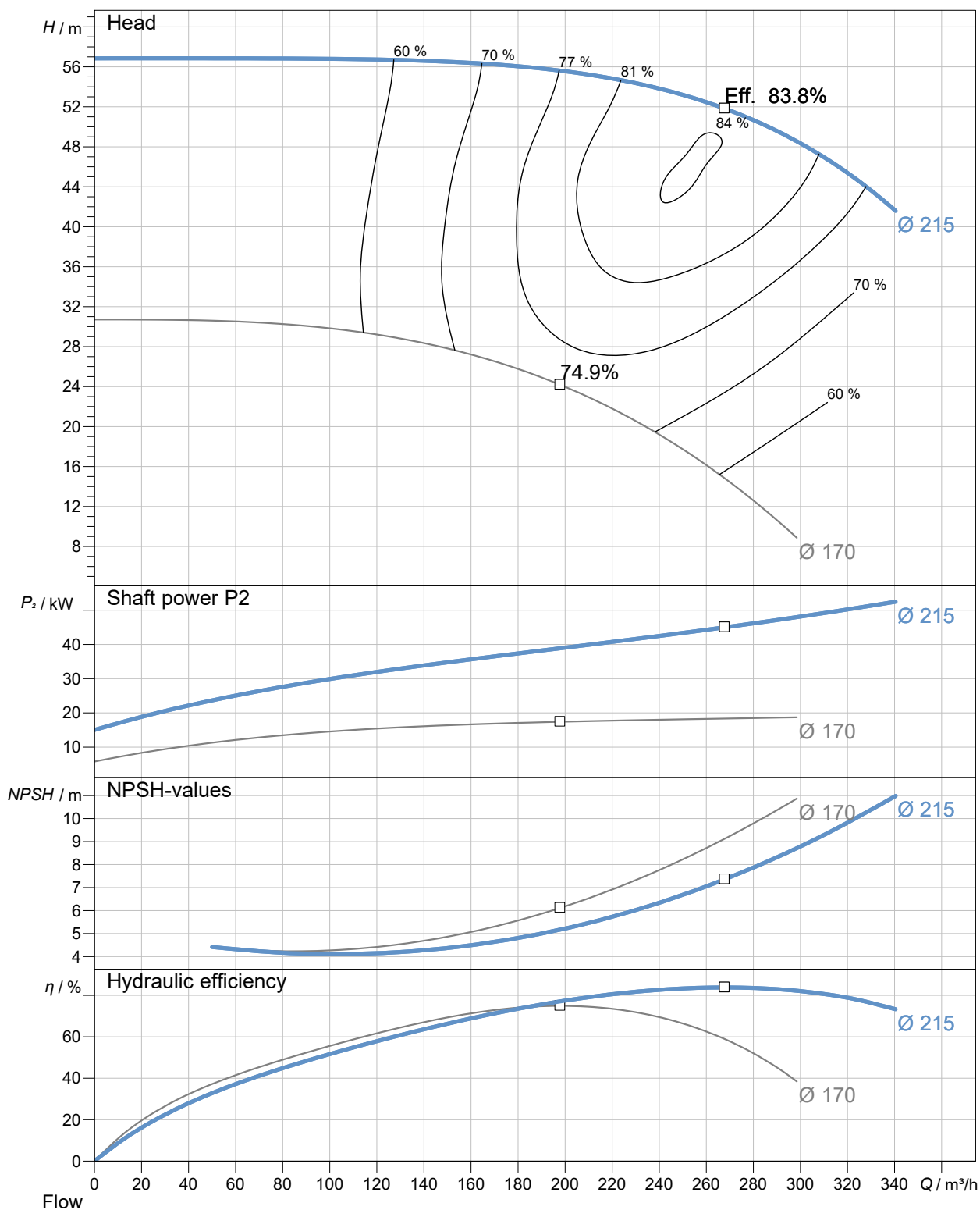
Water

	Q	H	P	rated Torque	Vis 1.00 mm ² /s	Temp 20.0 °C	Density 0.998 kg/dm ³
1)							
2)							

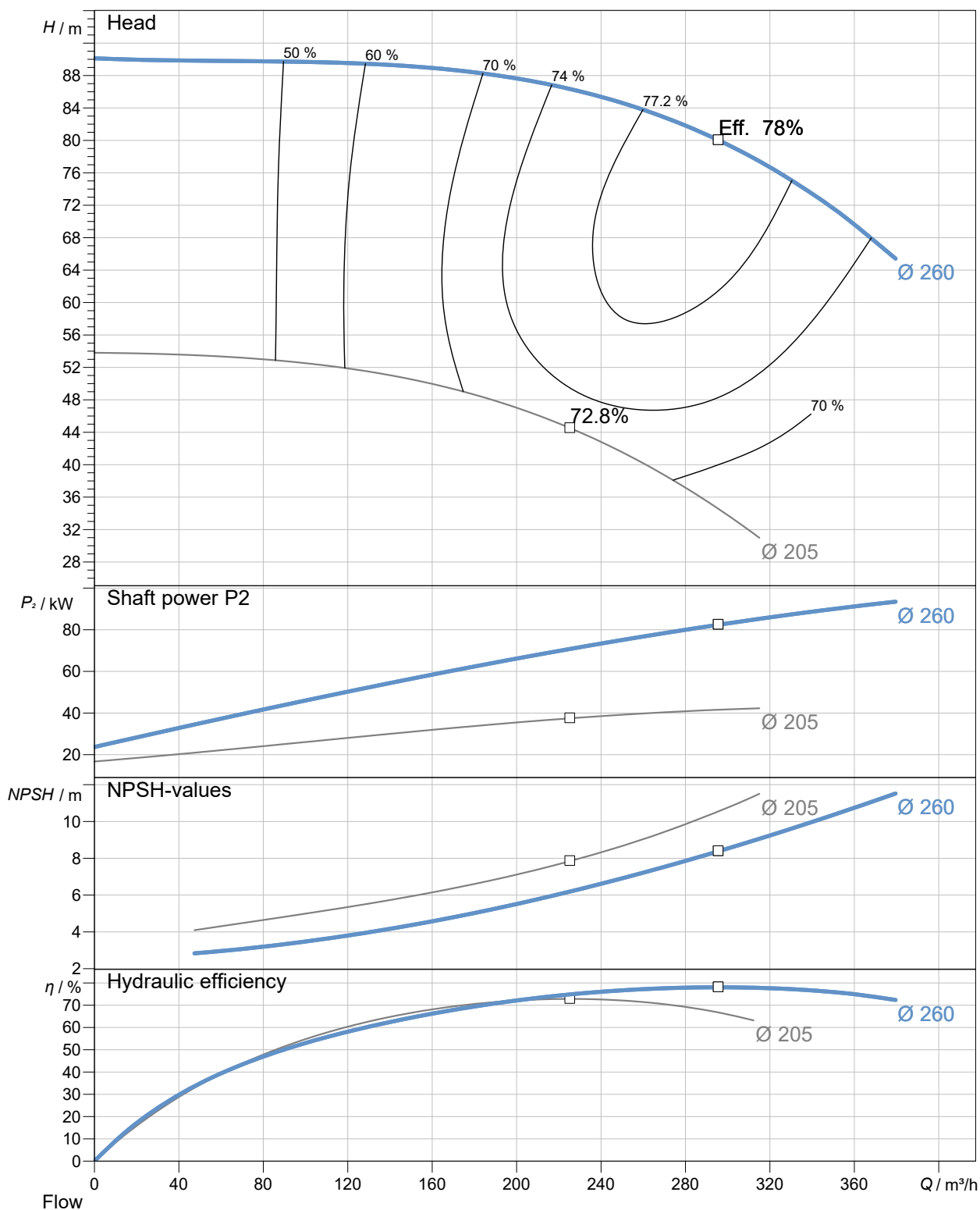
Speed
2900 1/min

Impeller Ø
215 mm

NPSH-value without safety margins



NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**

Minimum capacity

$Q_{min} = 0.1 \cdot Q_{opt}$

Attention! Please note the maximum motor power, motor power limit 37 kW (motor typ 200L).

Power data referred to:

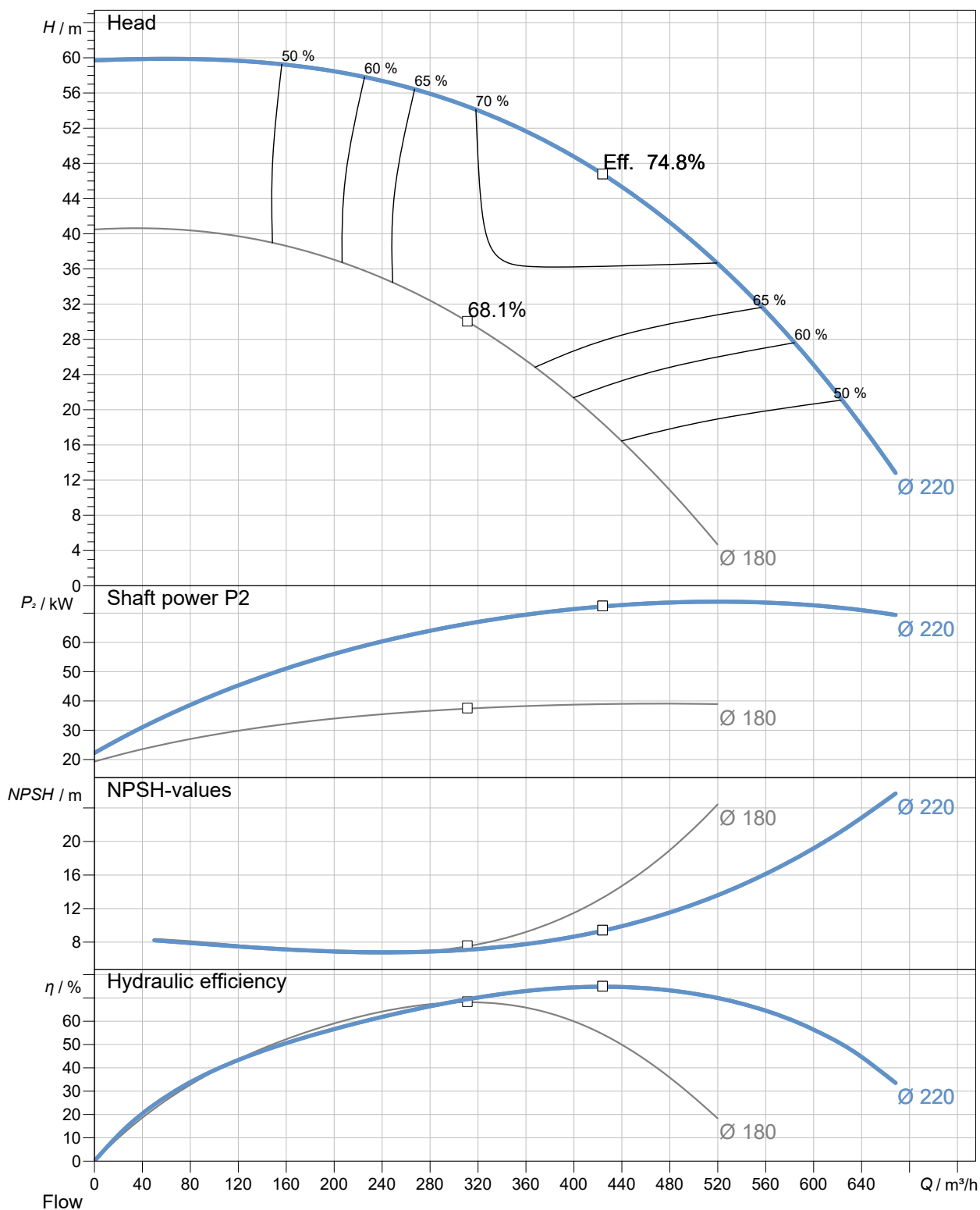
Water

	Q	H	P	rated Torque	Vis 1.00 mm²/s	Temp 20.0 °C	Density 0.998 kg/dm³
1)							
2)							

Speed
2900 1/min

Impeller Ø
220 mm

NPSH-value without safety margins



We reserve the right to make technical changes.

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