

Centrifugal Pump Solutions

Characteristic Curve Booklet

Series NI

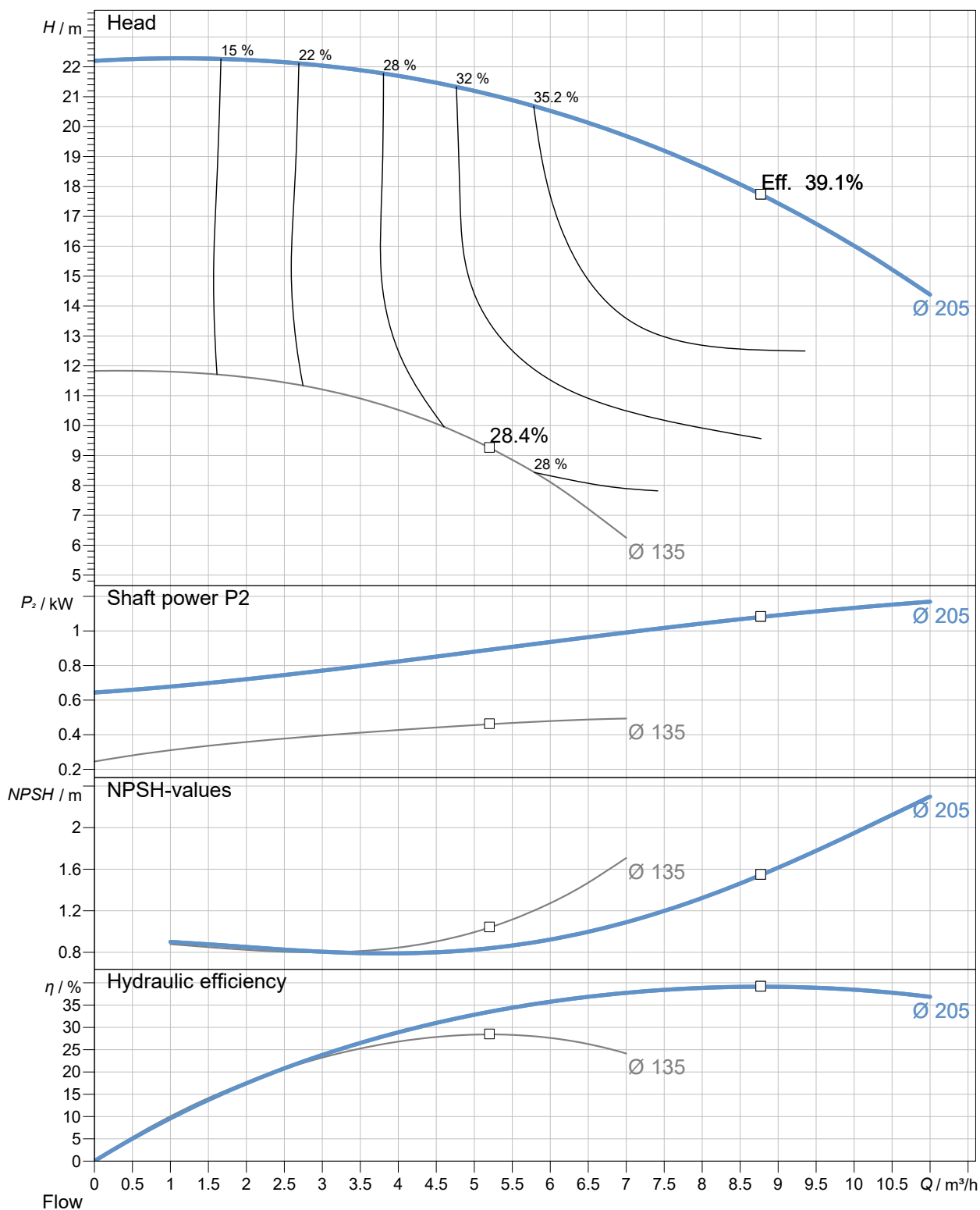


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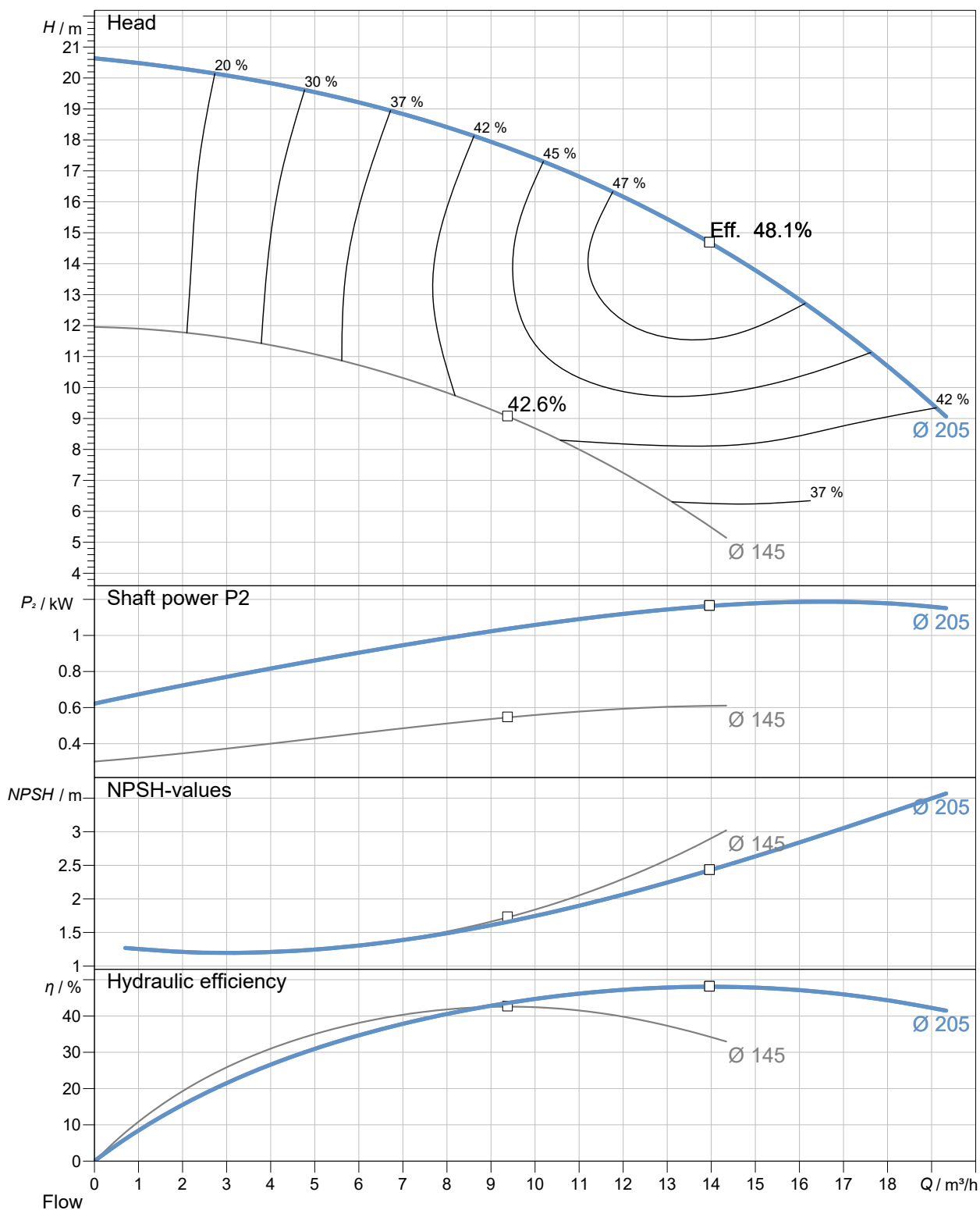
n 1450 rpm	4
NI 2/25-200/22	4
NI 2/32-200/01	5
NI 2/40-250/01	6
NI 2/50-250/01	7
NI 20-160/01	8
NI 25-200/22	9
NI 32-125/22	10
NI 32-160/22	11
NI 32-200/01	12
NI 40-125/01	13
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NI 40-250/01	16
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NI 80-250/22	29
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n 2900 rpm	35
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NI 40-125/01	44
NI 40-160/22	45
NI 40-200/01	46
NI 40-250/01	47
NI 50-125/22	48
NI 50-160/24	49
NI 50-200/01	50
NI 50-250/01	51
NI 65-125/22	52
NI 65-160/01	53
NI 65-200/23	54
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NI 80-160/01	56
NI 80-200/23	57
NI 80-250/22	58
NI 100-200/01	59
NI 100-250/01	60
NI 125-250/22	61

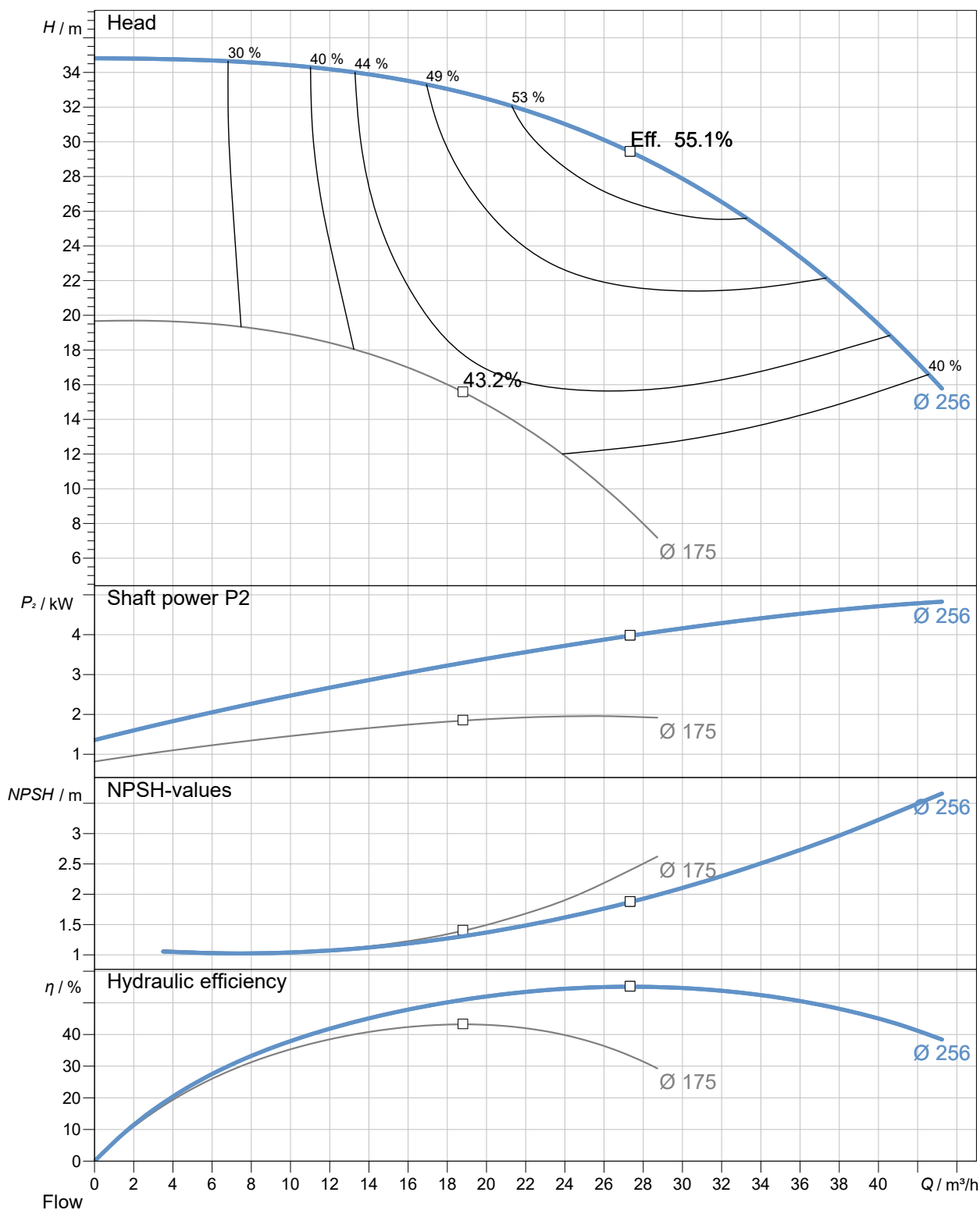
NPSH-value without safety margins



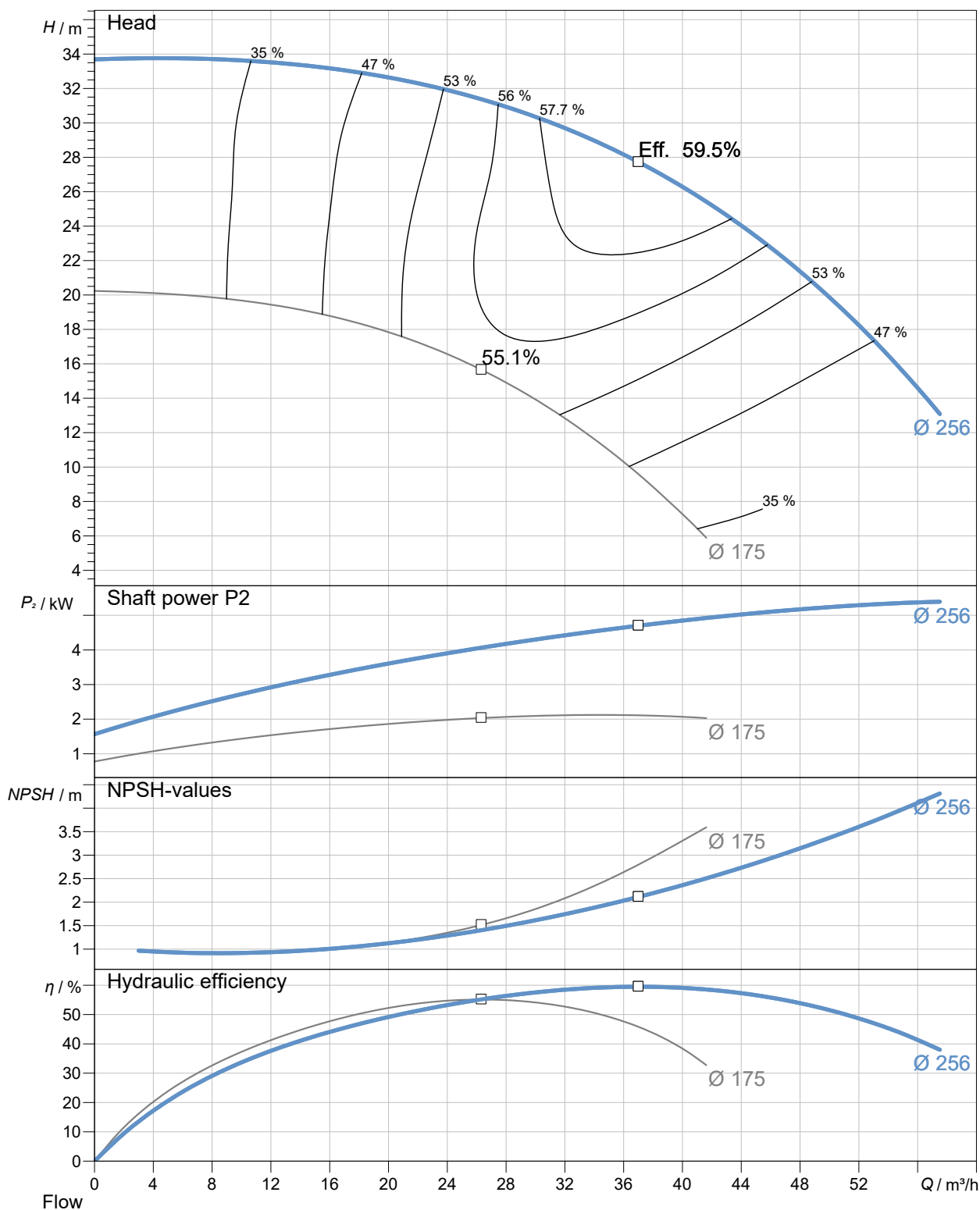
NPSH-value without safety margins



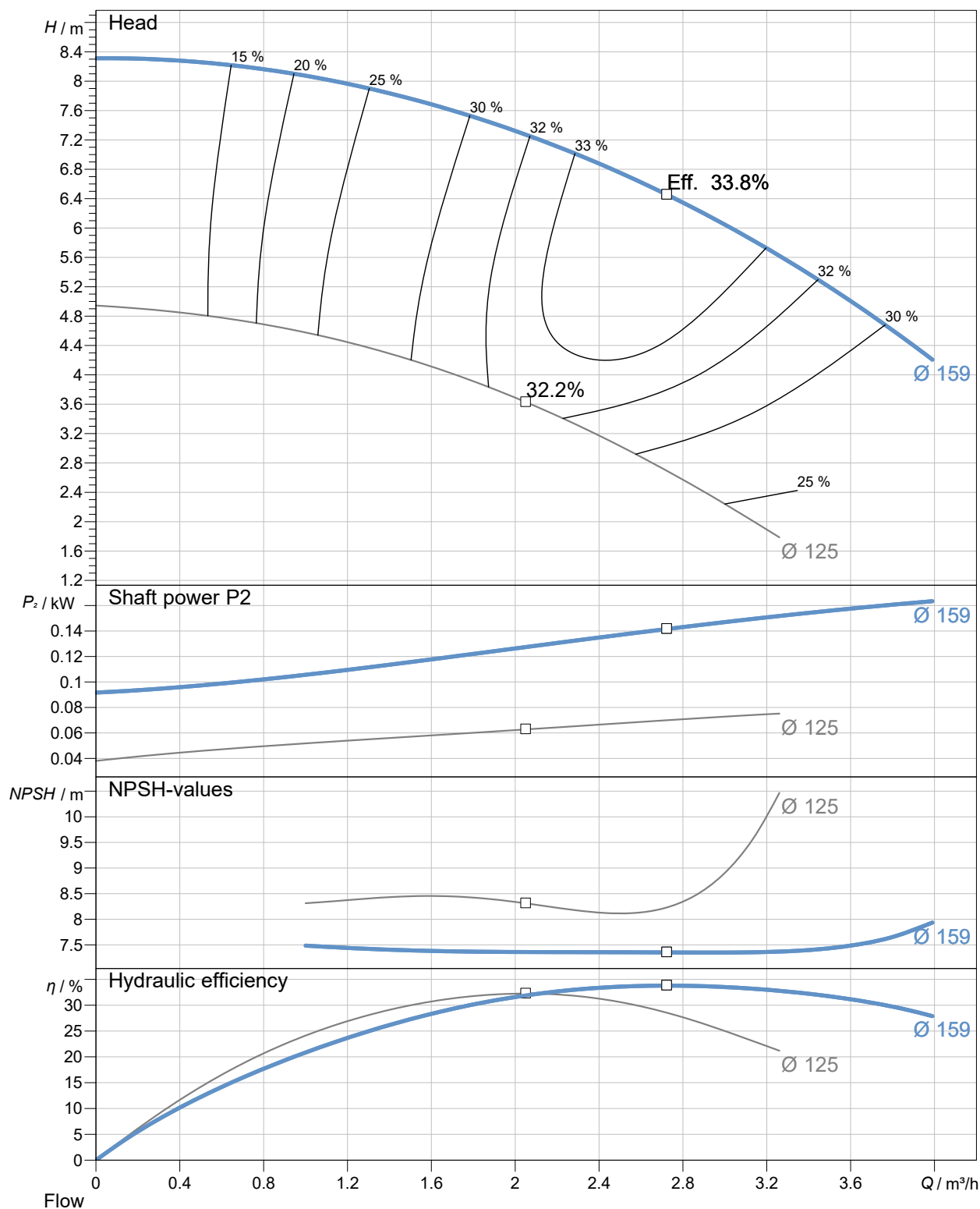
NPSH-value without safety margins



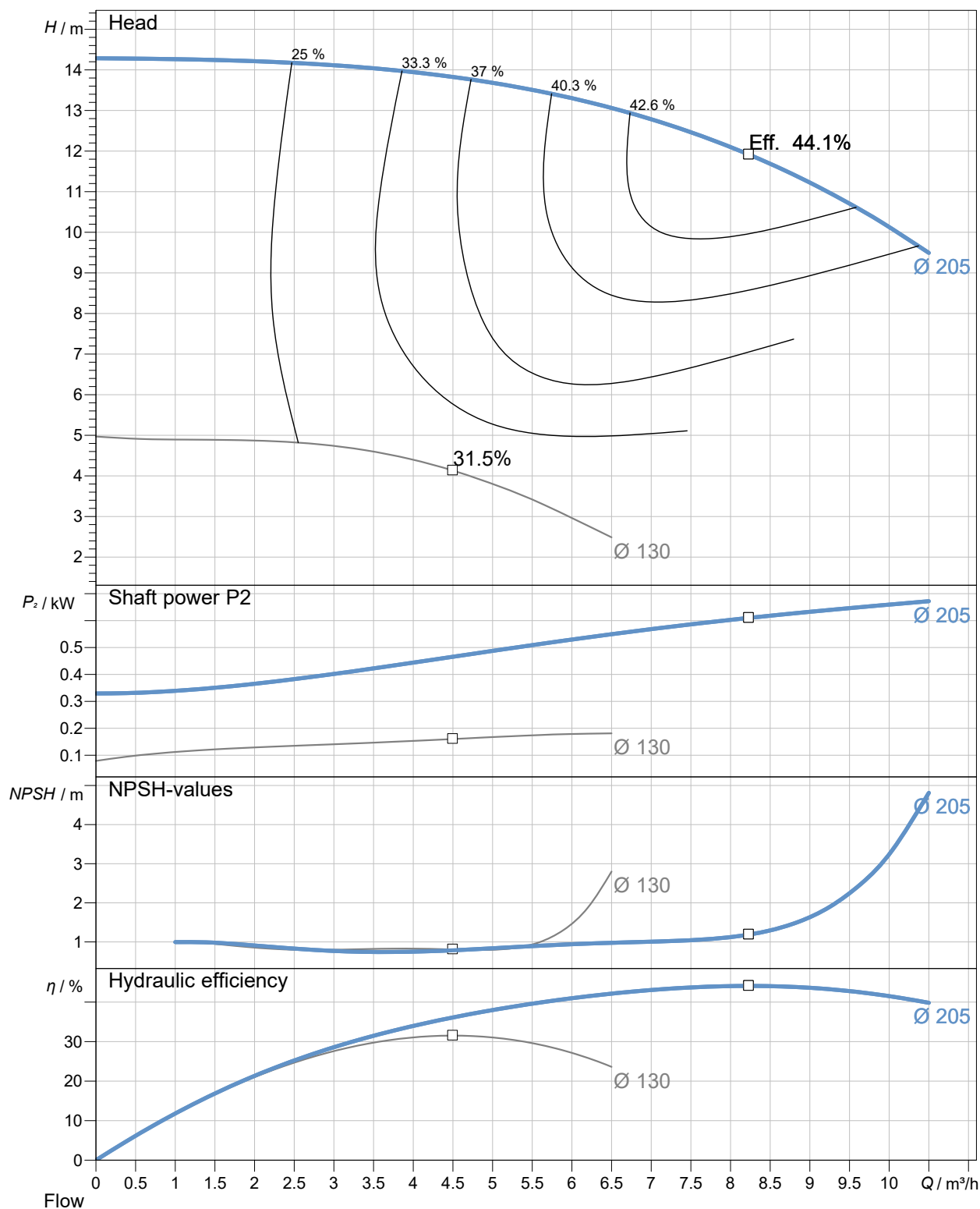
NPSH-value without safety margins



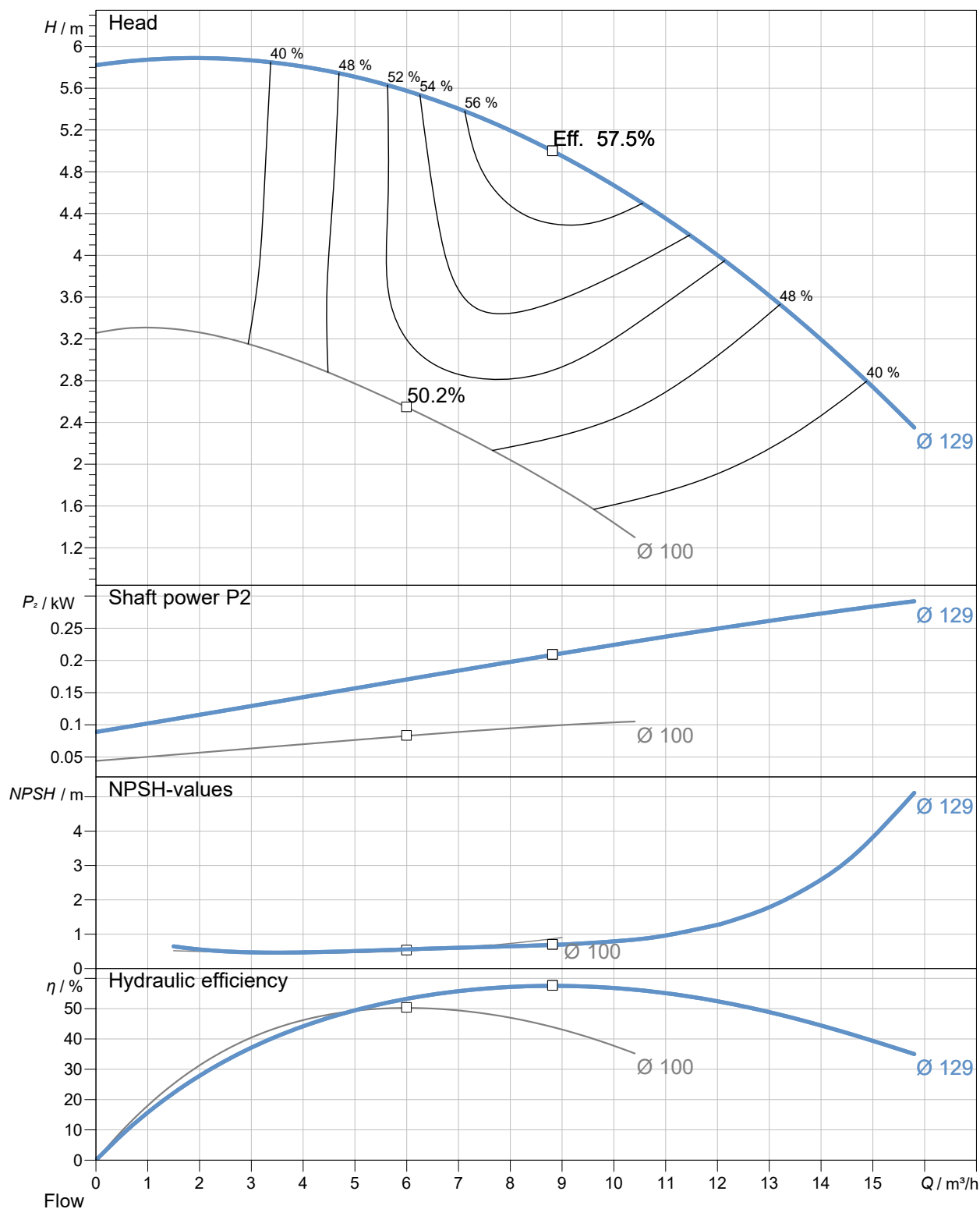
NPSH-value without safety margins



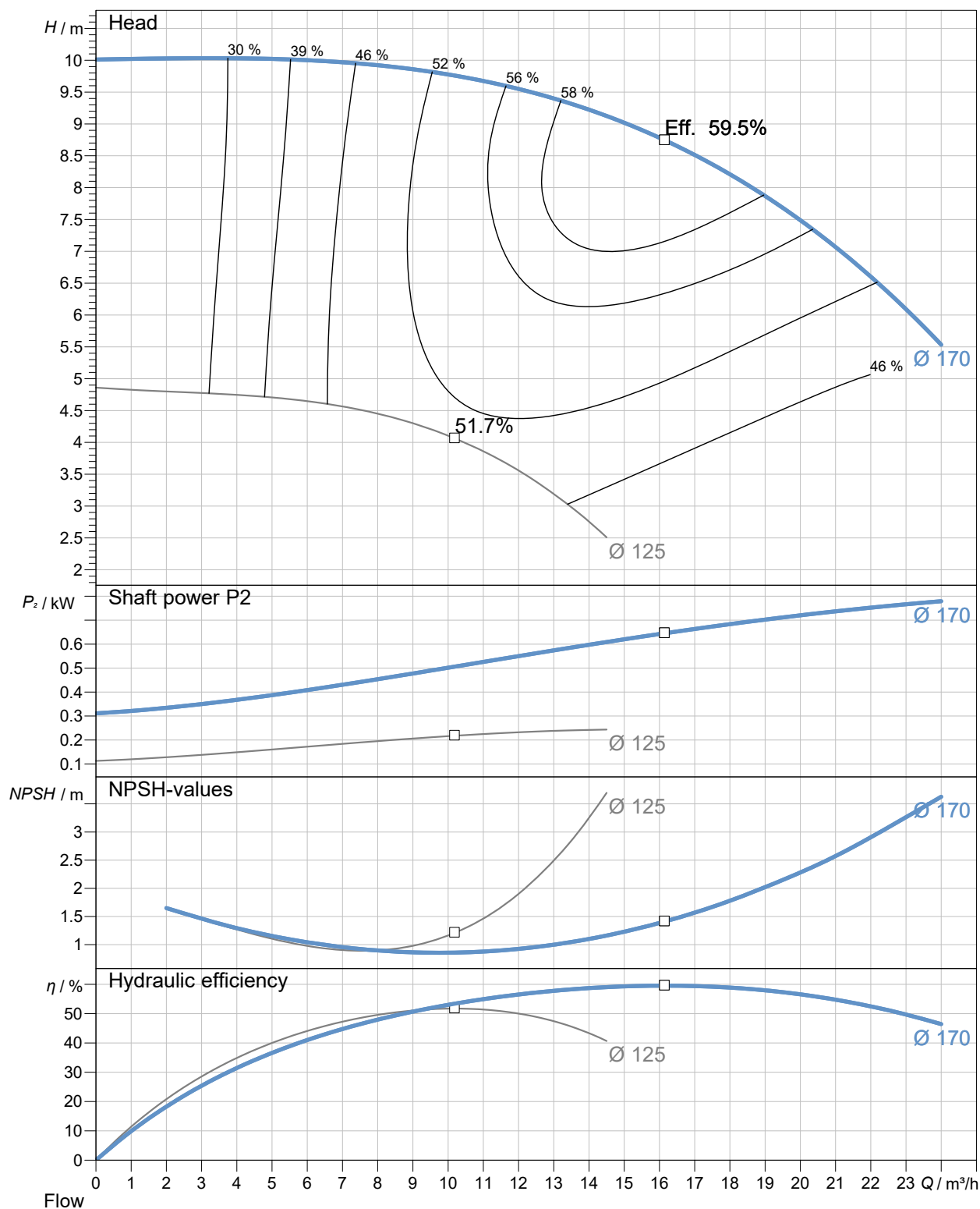
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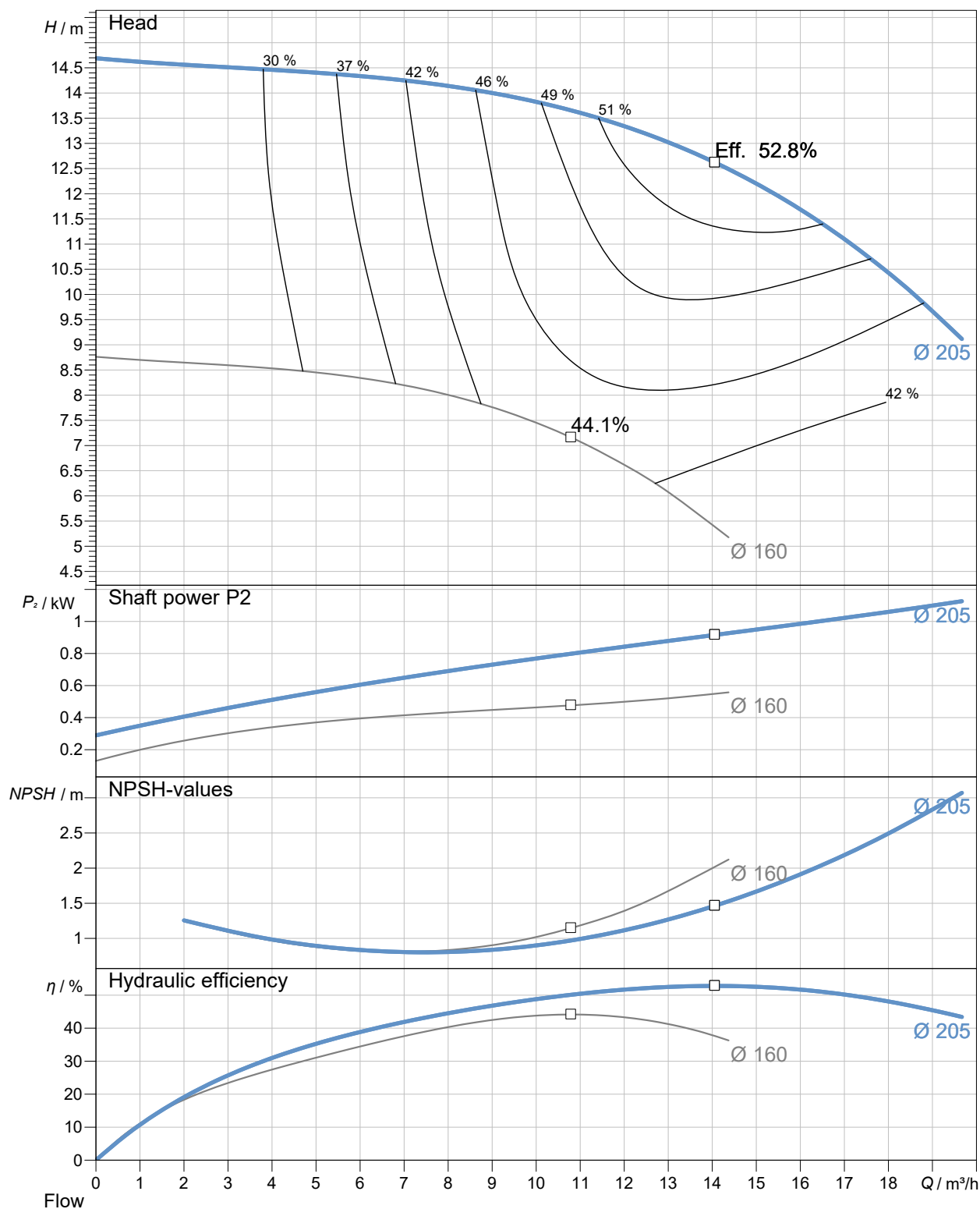
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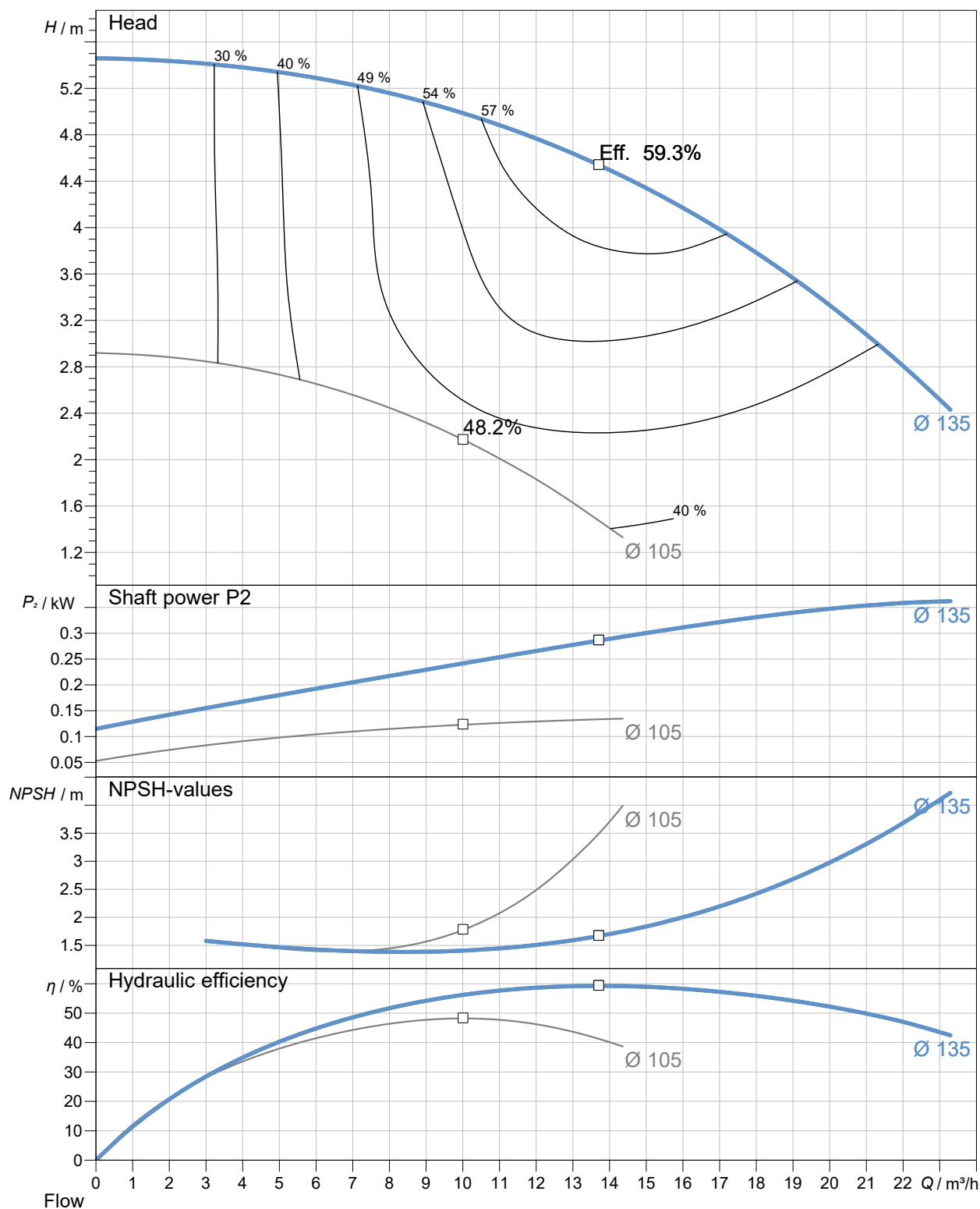
NPSH-value without safety margins



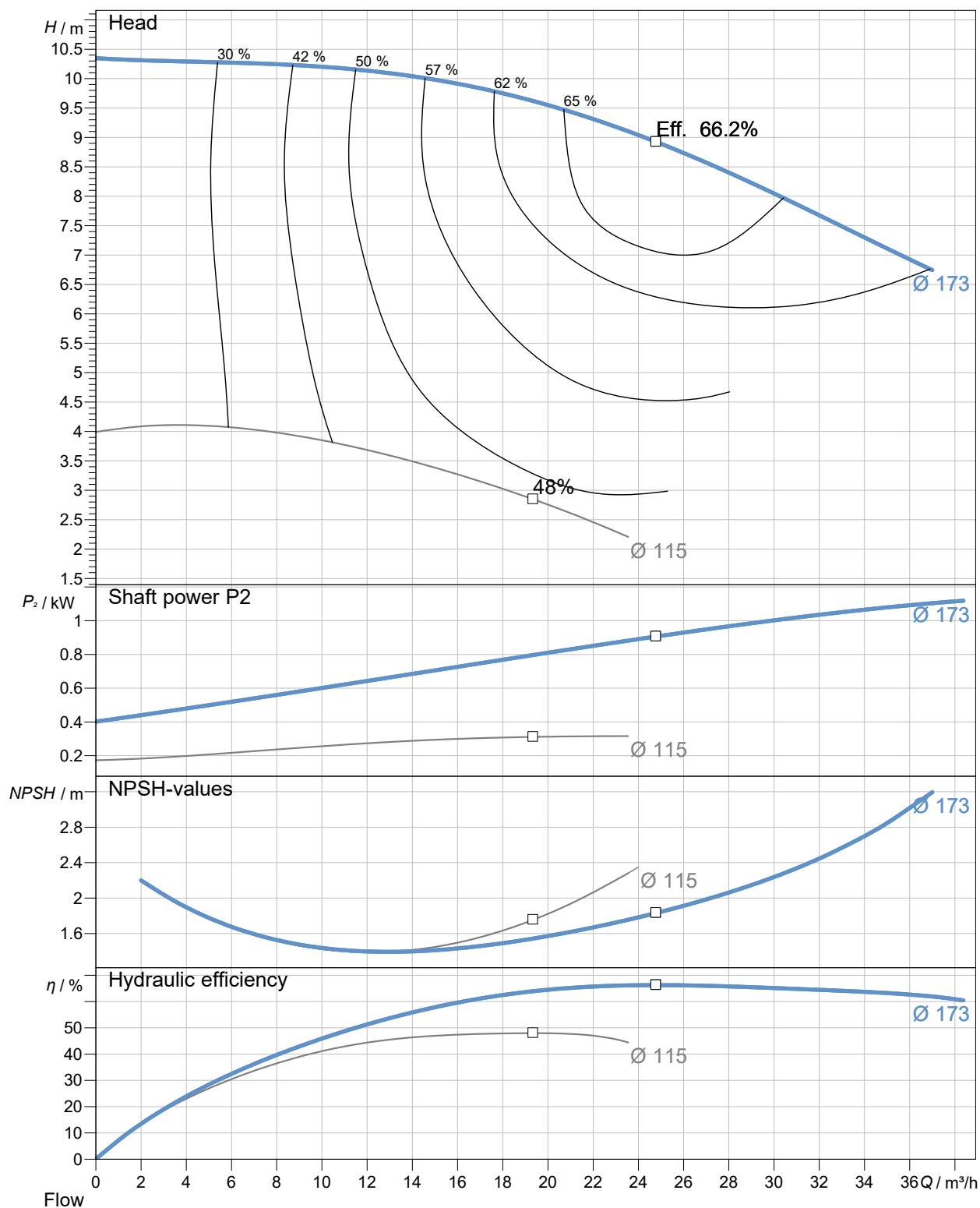
NPSH-value without safety margins



NPSH-value without safety margins



NPSH-value without safety margins



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

Minimum capacity

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

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**

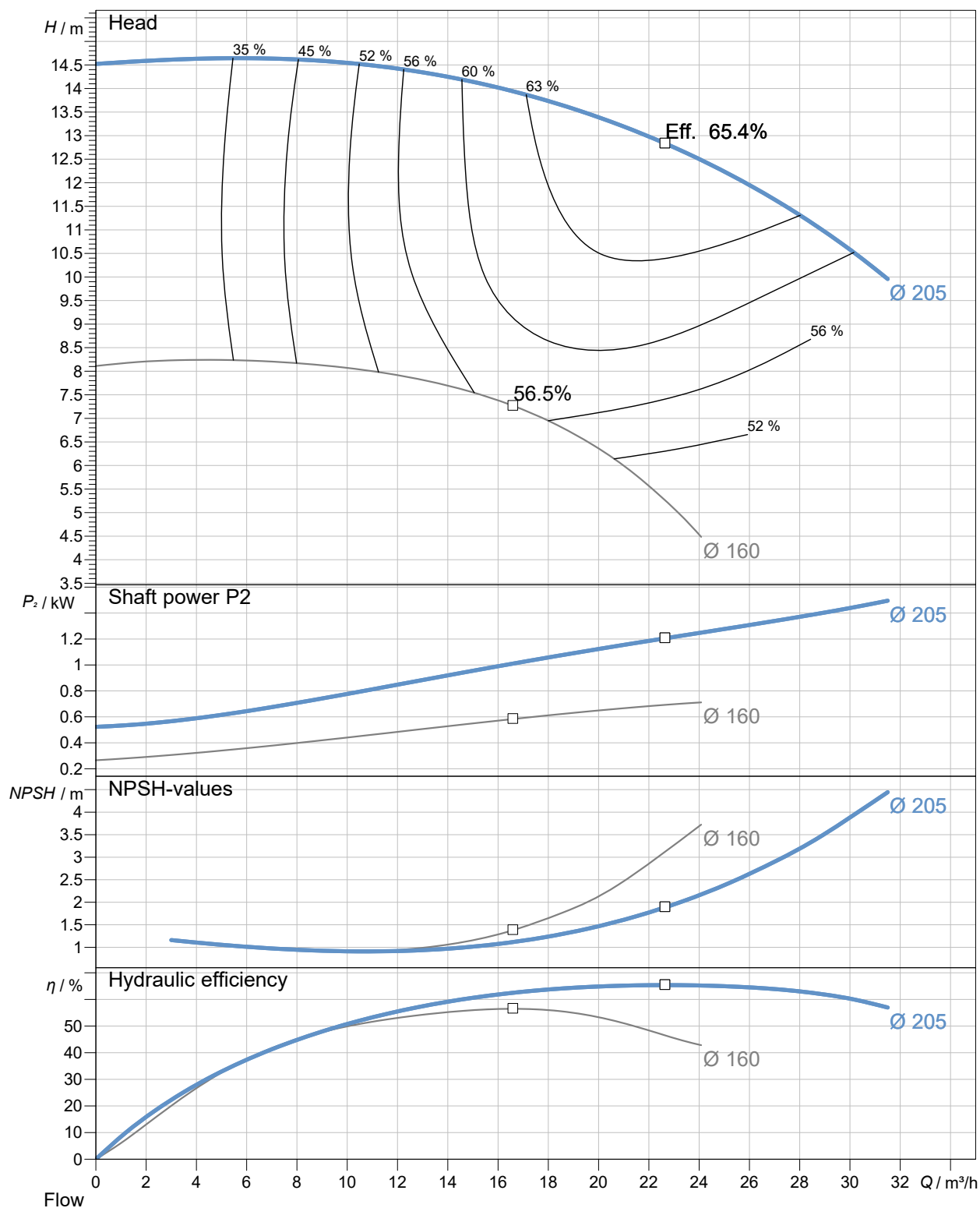
Speed

1450 1/min

Impeller Ø

205 mm

NPSH-value without safety margins



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

Minimum capacity

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

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**

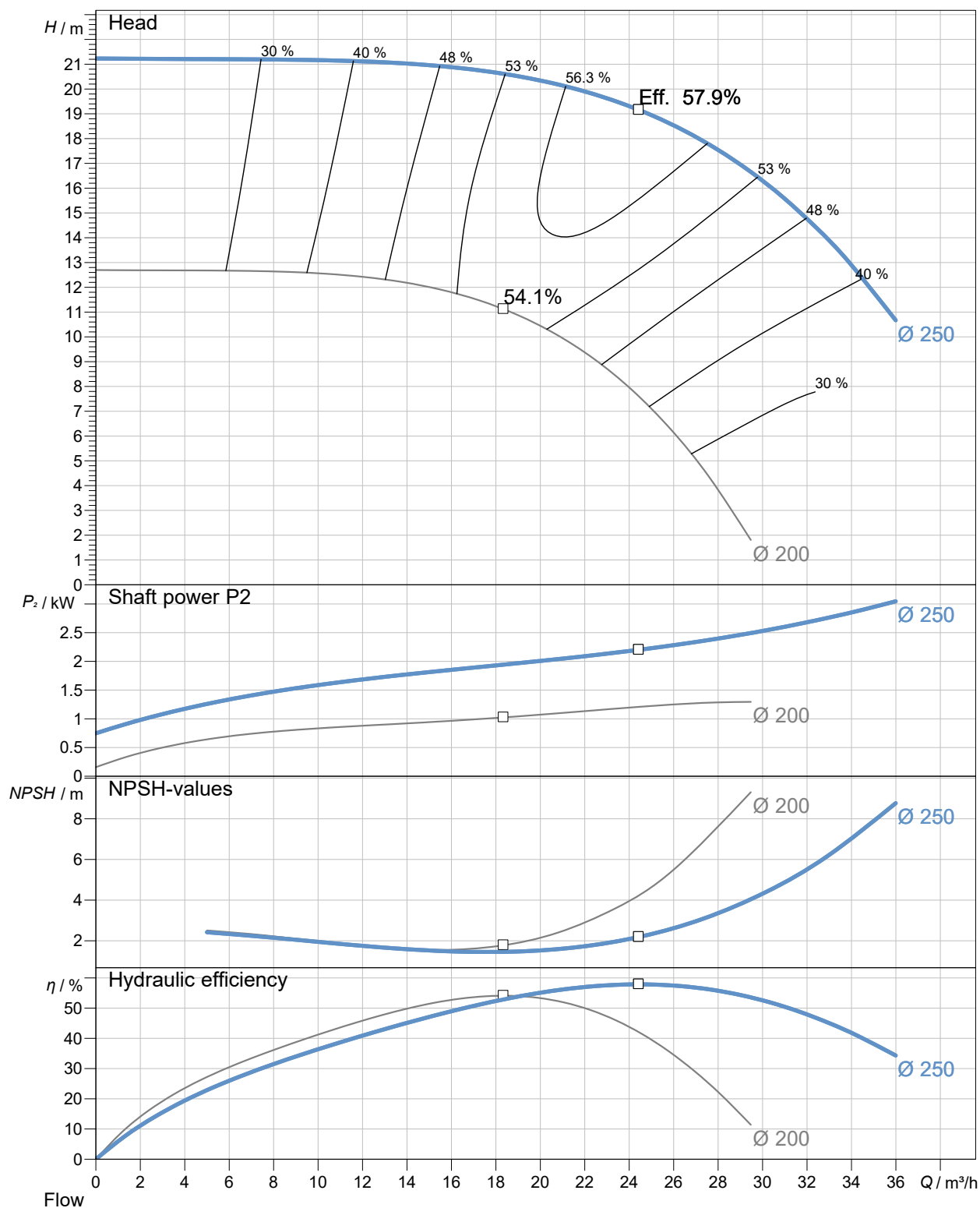
Speed

1450 1/min

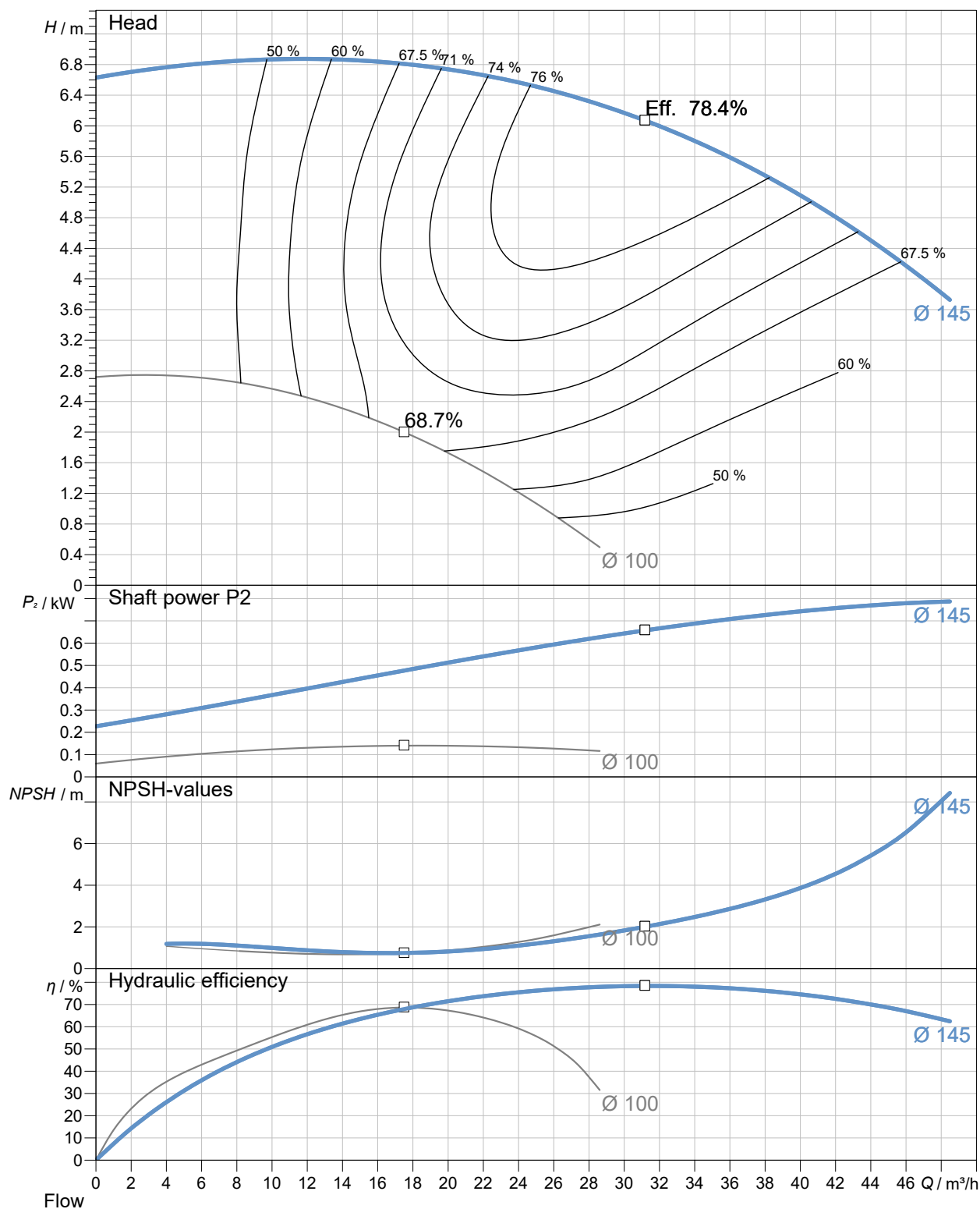
Impeller Ø

250 mm

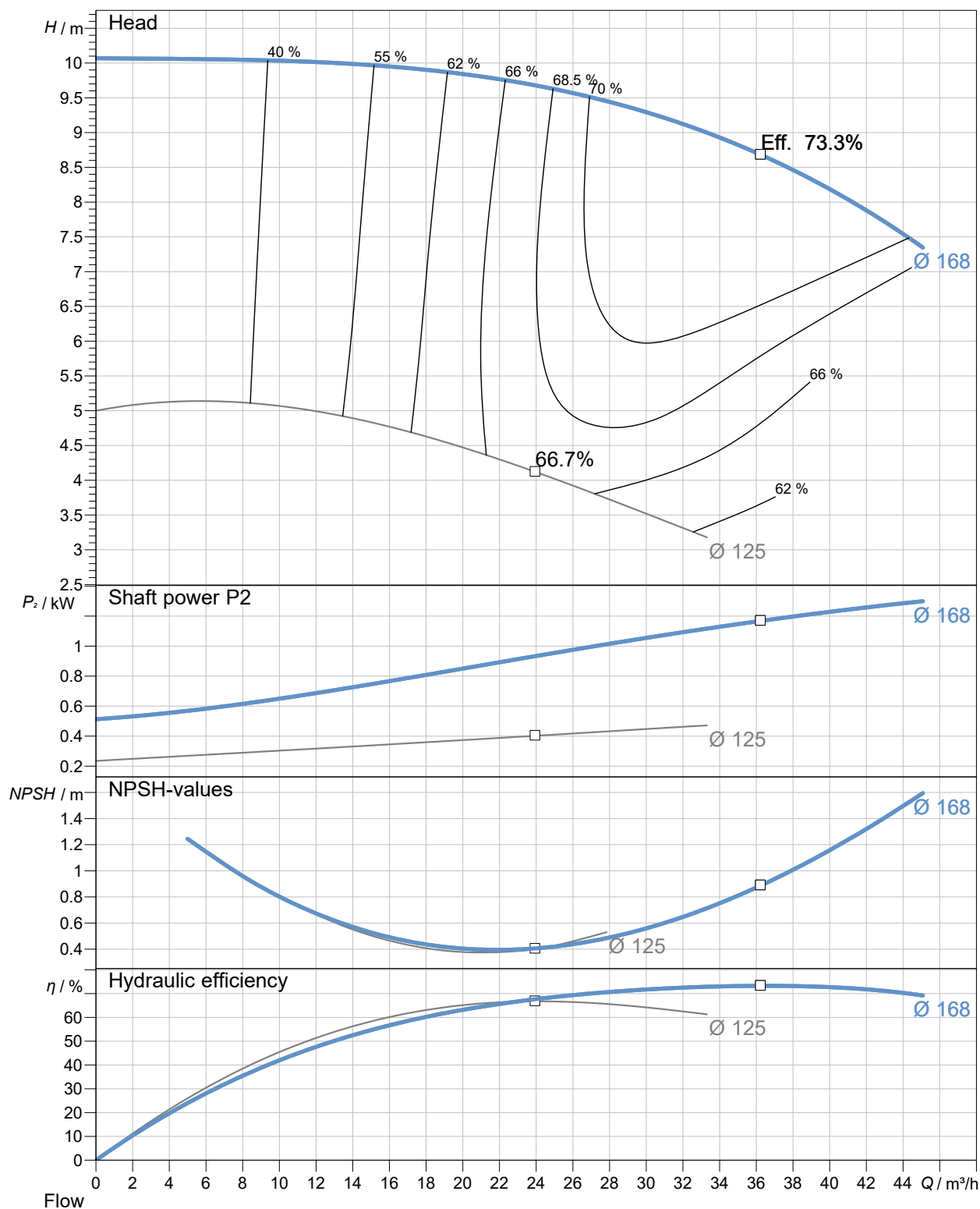
NPSH-value without safety margins



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! Motor sizes > 200L only allowed for installation with vertical pedestal.

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)							

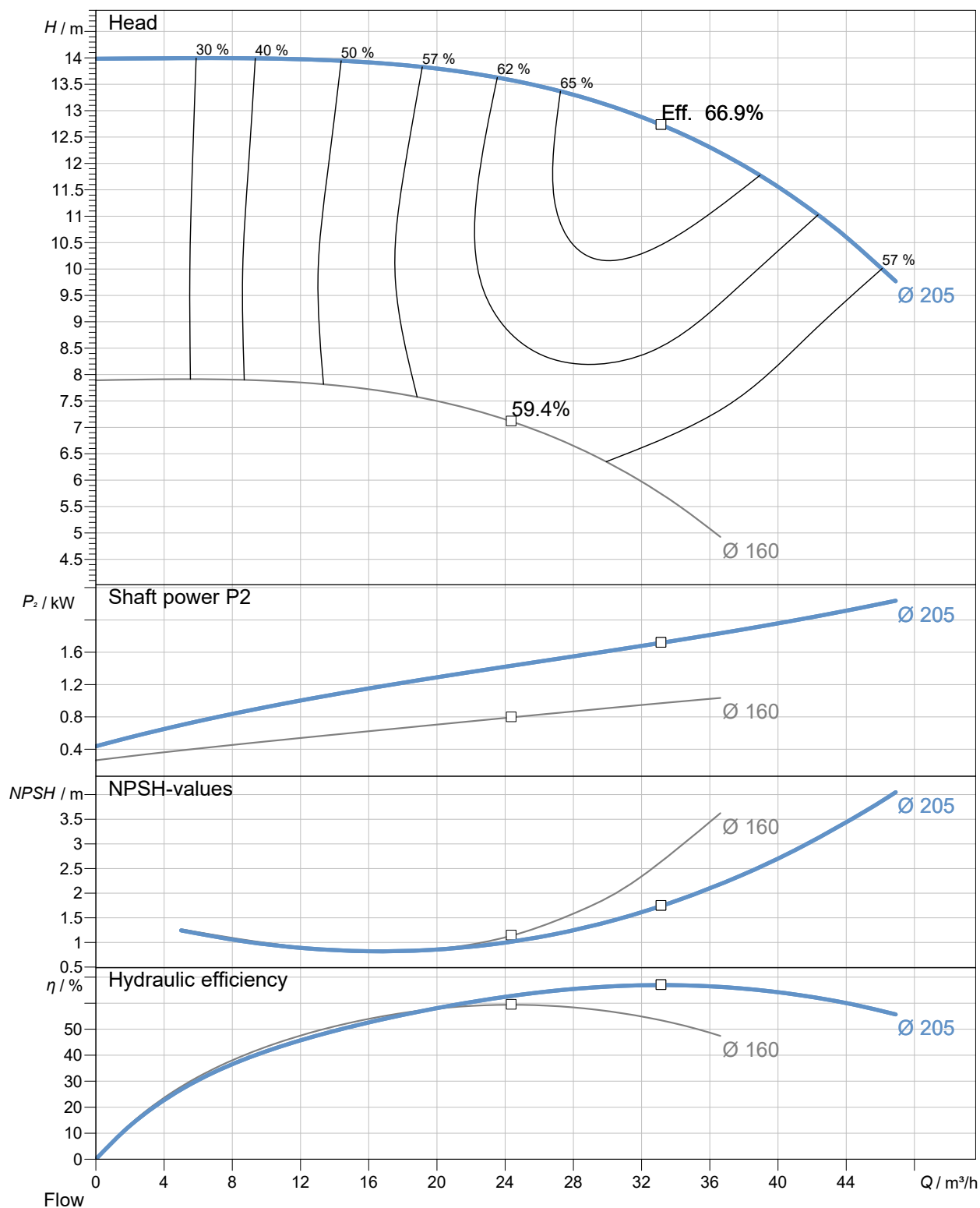
Speed

1450 1/min

Impeller Ø

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! Motor sizes > 200L only allowed for installation with vertical pedestal.

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)							

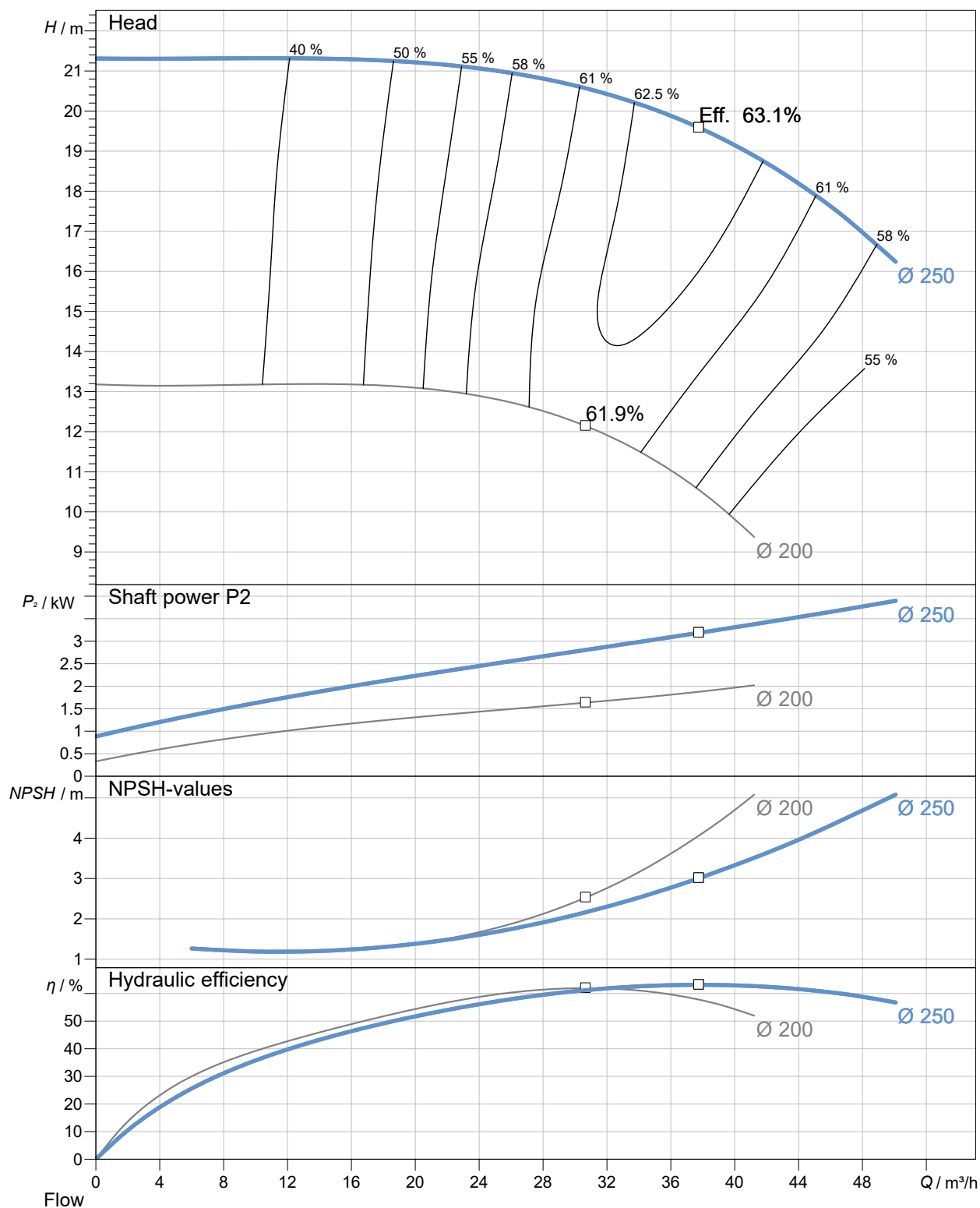
Speed

1450 1/min

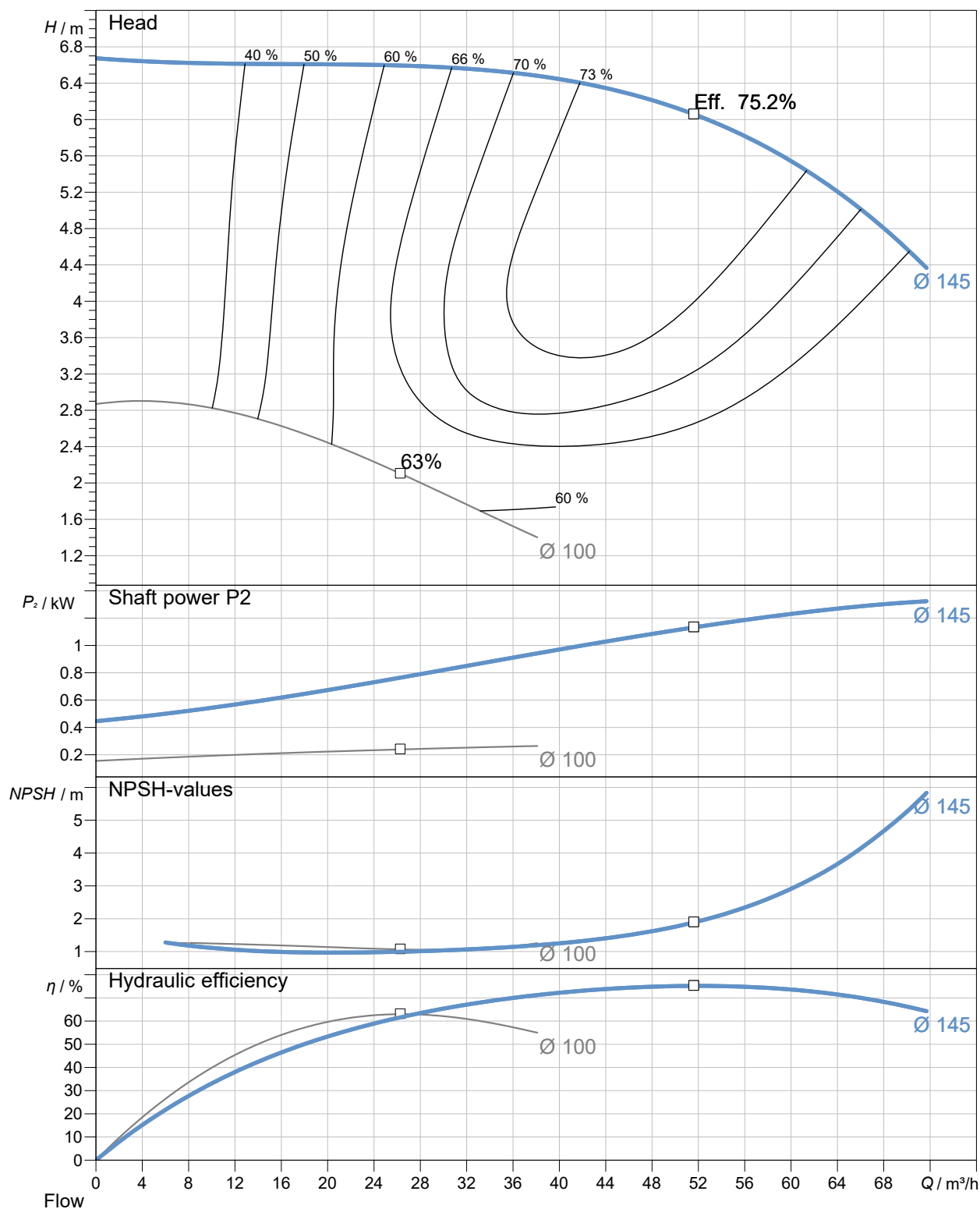
Impeller Ø

250 mm

NPSH-value without safety margins



NPSH-value without safety margins



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

Minimum capacity

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

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)							

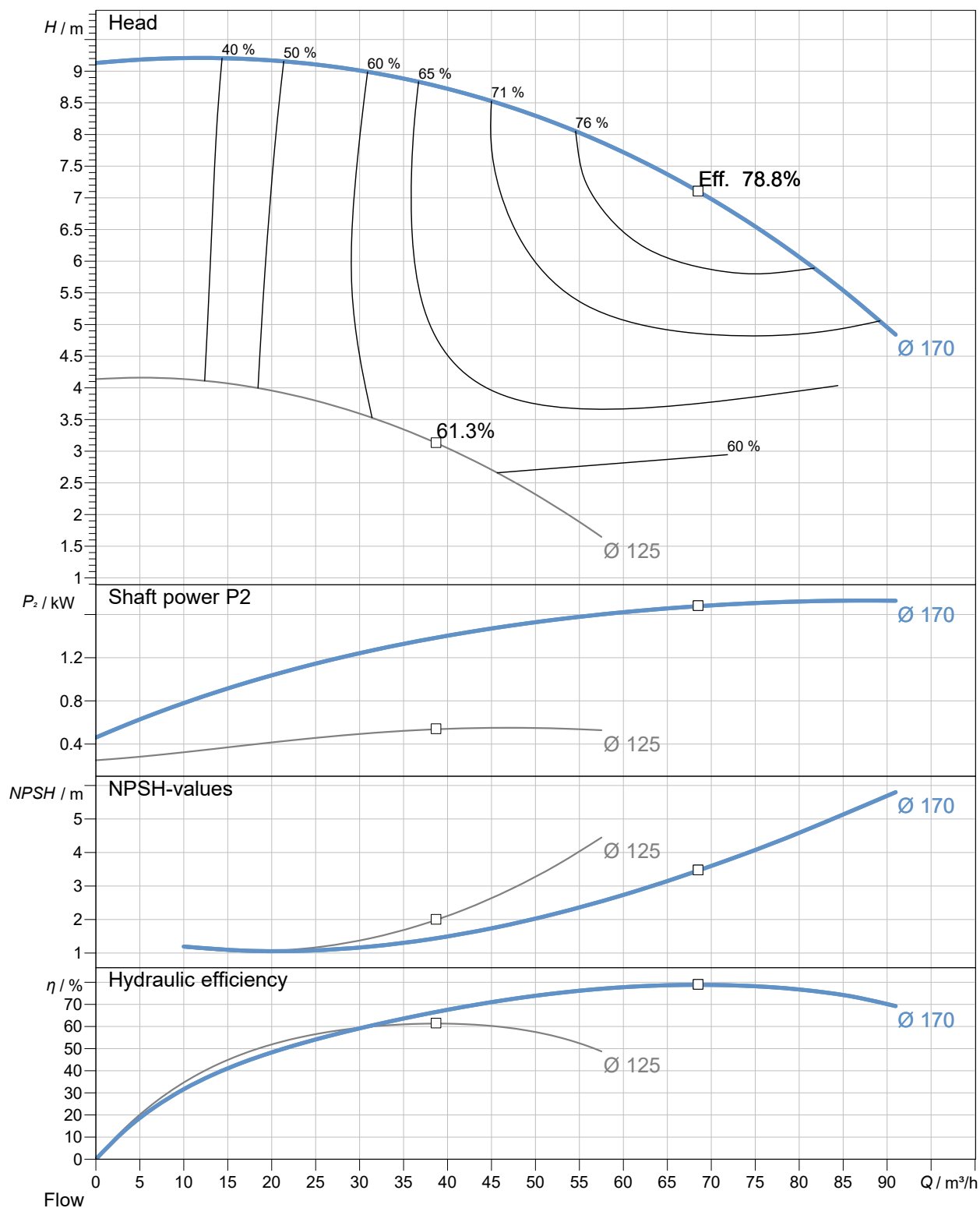
Speed

1450 1/min

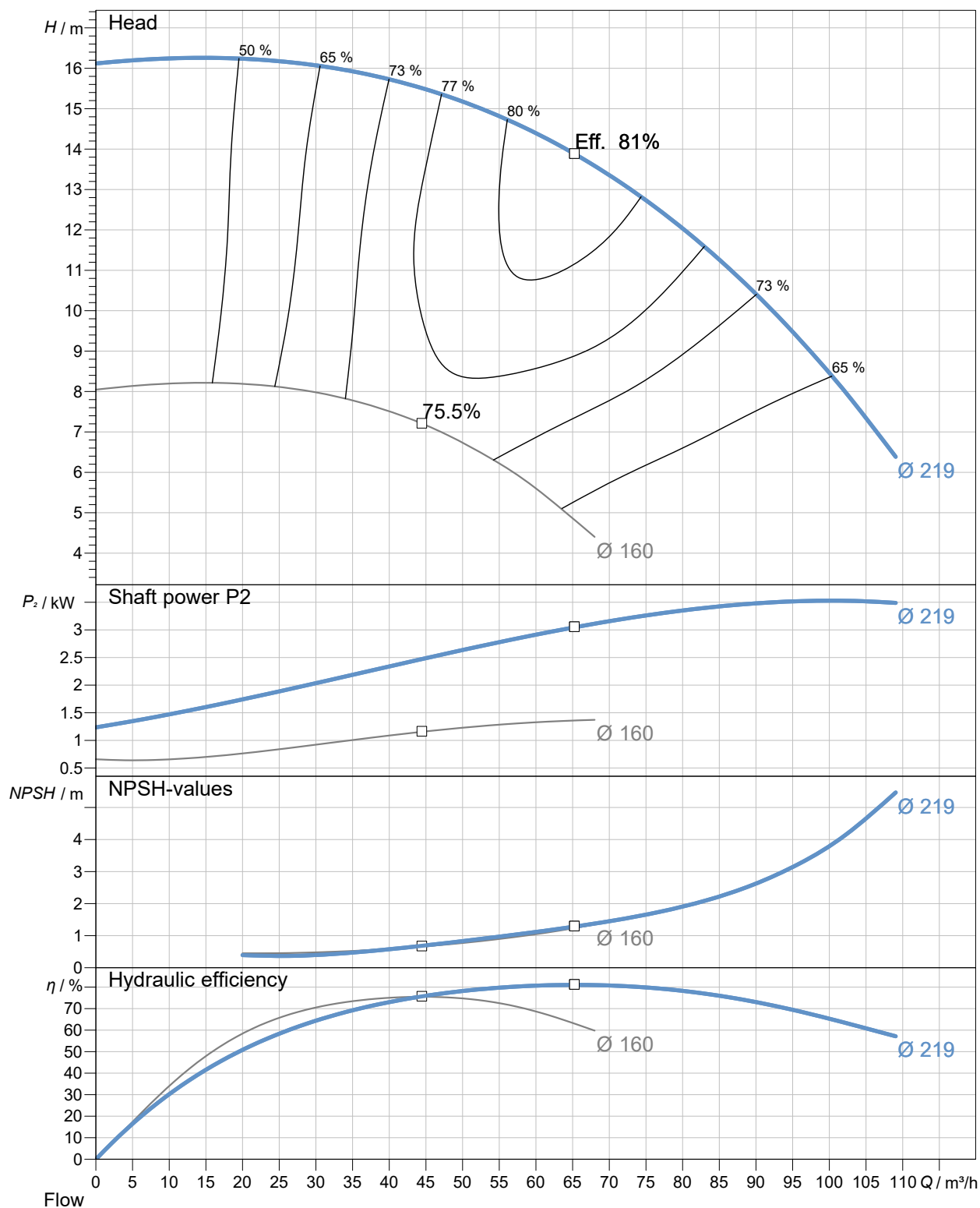
Impeller Ø

170 mm

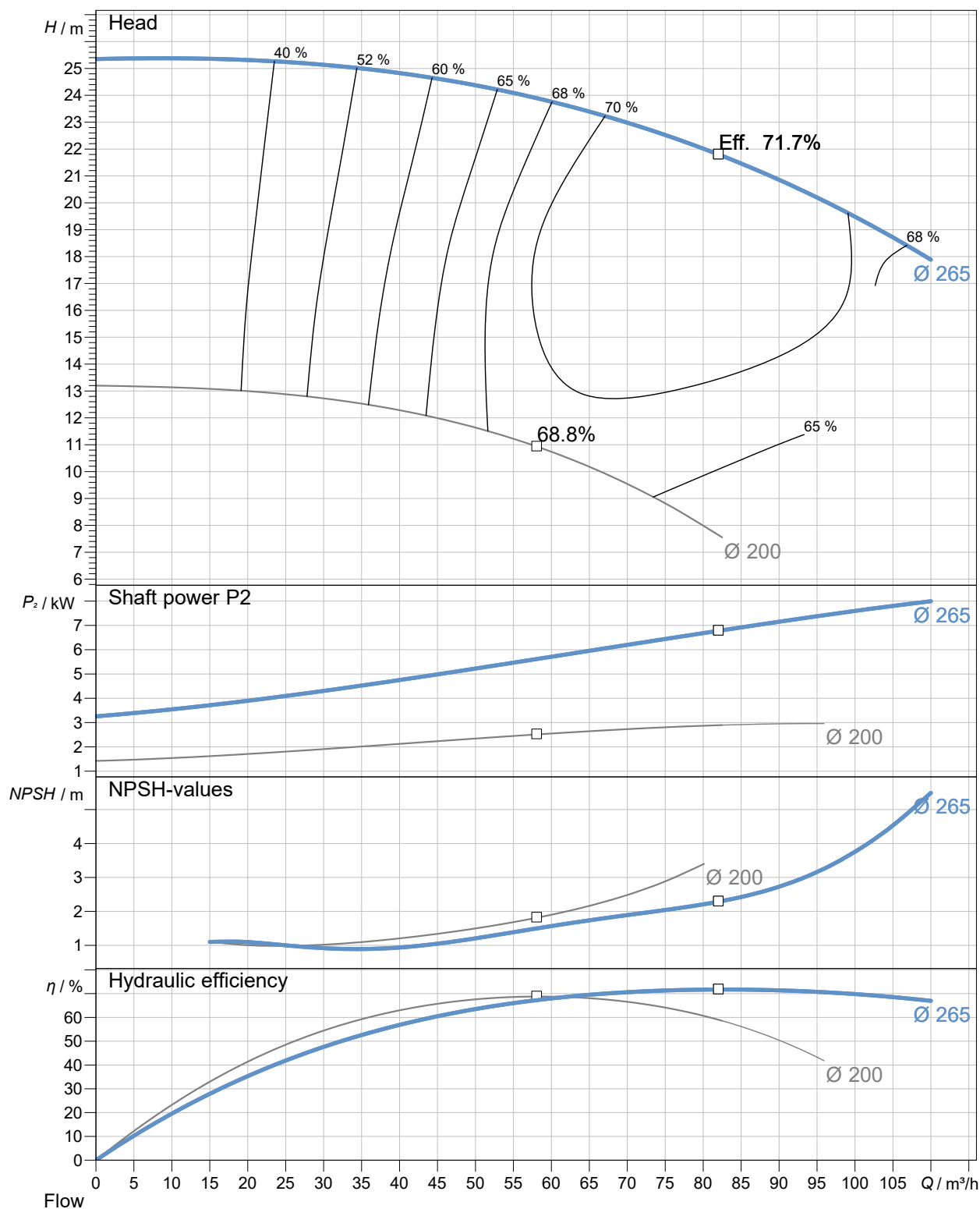
NPSH-value without safety margins



NPSH-value without safety margins



NPSH-value without safety margins



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

Minimum capacity

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

Attention! Motor sizes > 200L only allowed for installation with vertical pedestal.

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)							

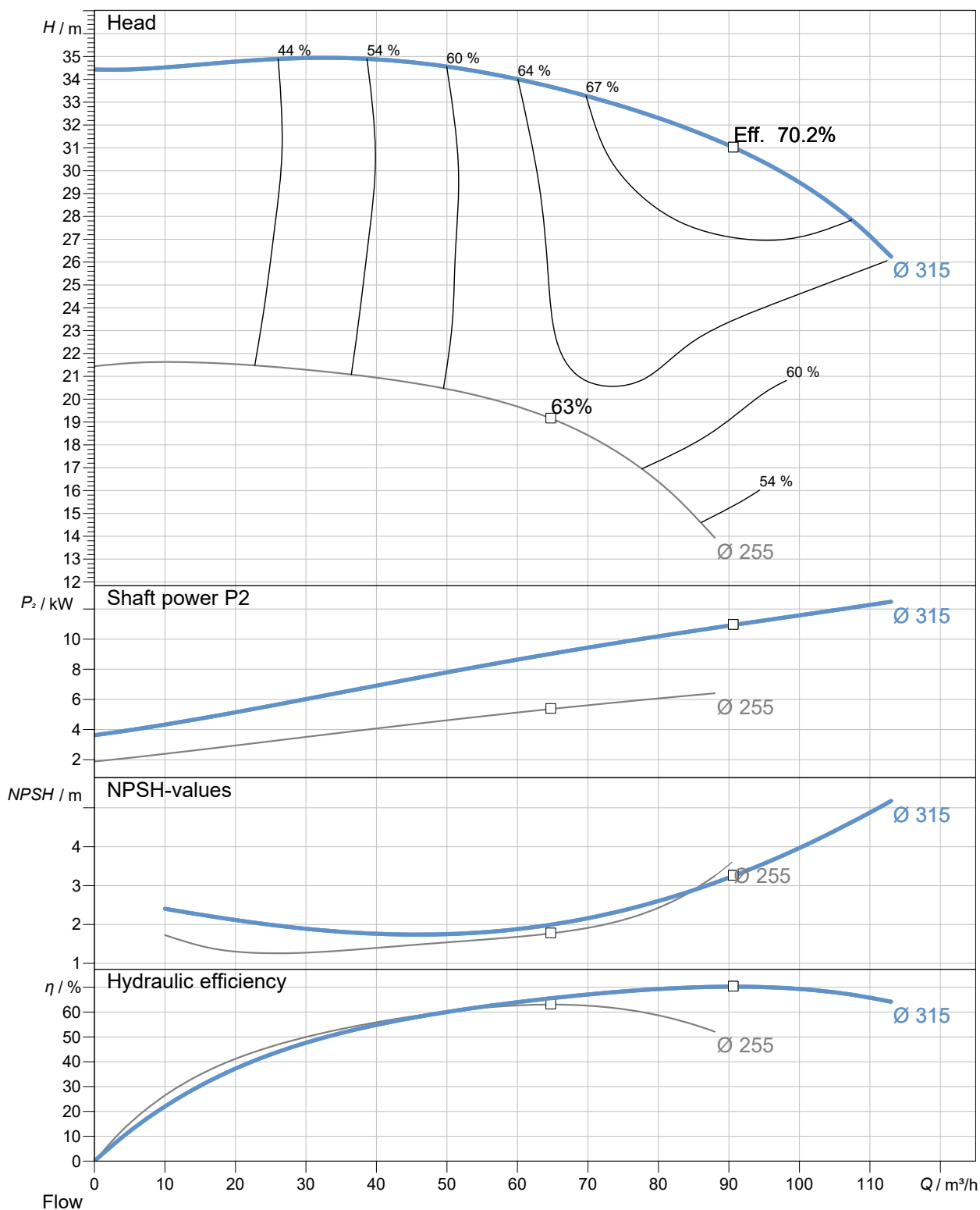
Speed

1450 1/min

Impeller Ø

315 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! Motor sizes > 200L only allowed for installation with vertical pedestal.

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)							

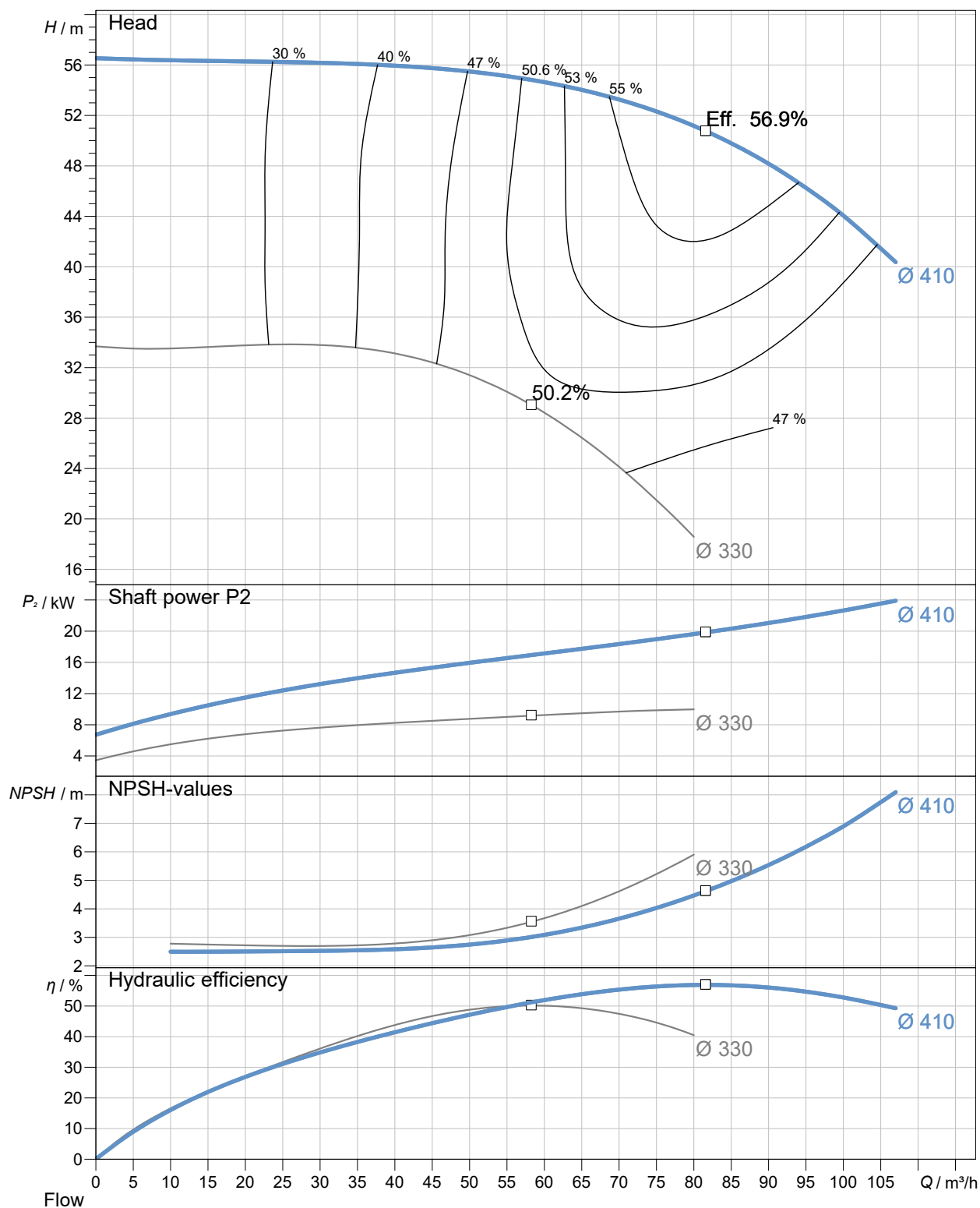
Speed

1450 1/min

Impeller Ø

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! Motor sizes > 200L only allowed for installation with vertical pedestal.

Power data referred to:

Water

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

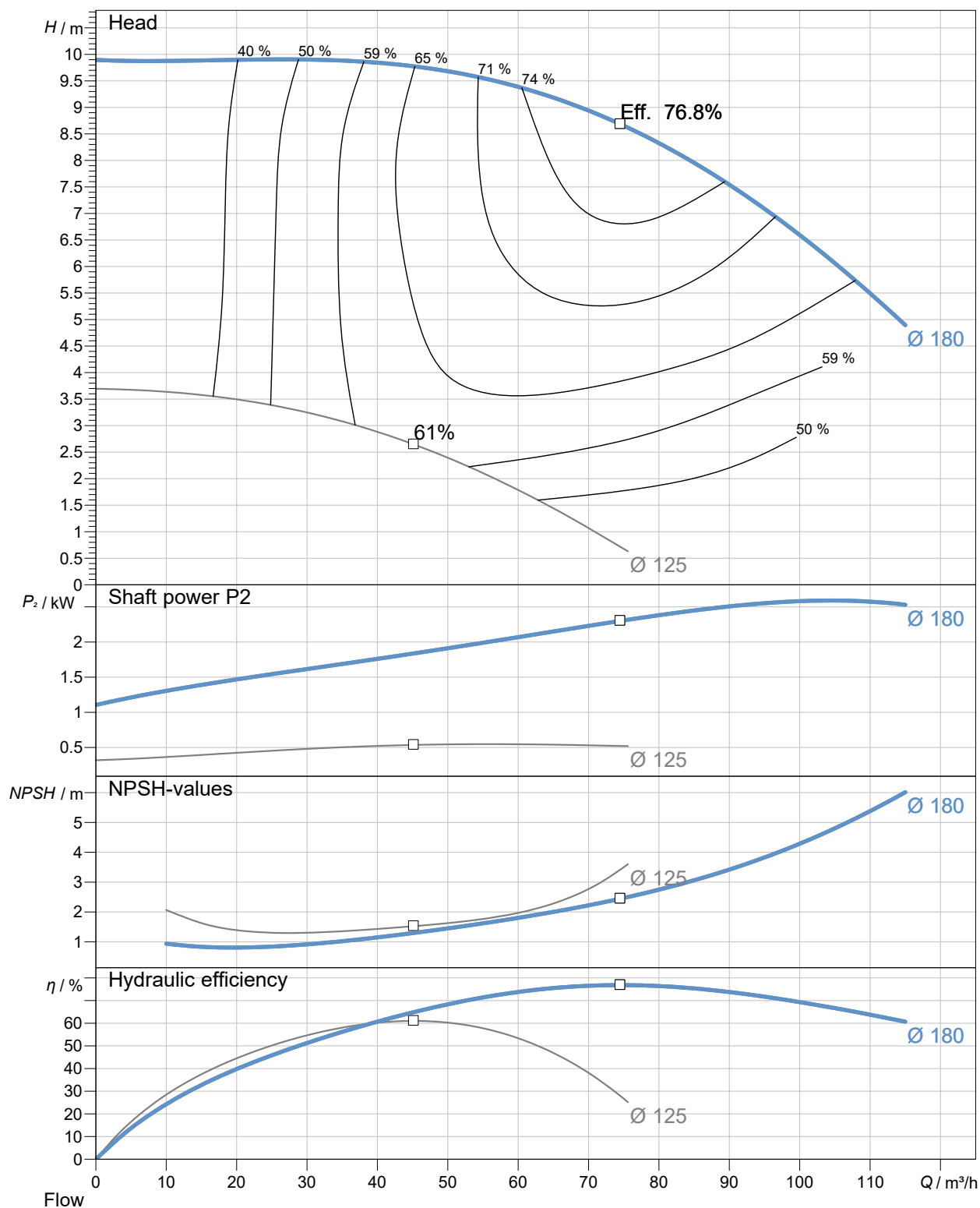
Speed

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! Motor sizes > 200L only allowed for installation with vertical pedestal.

Power data referred to:

Water

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

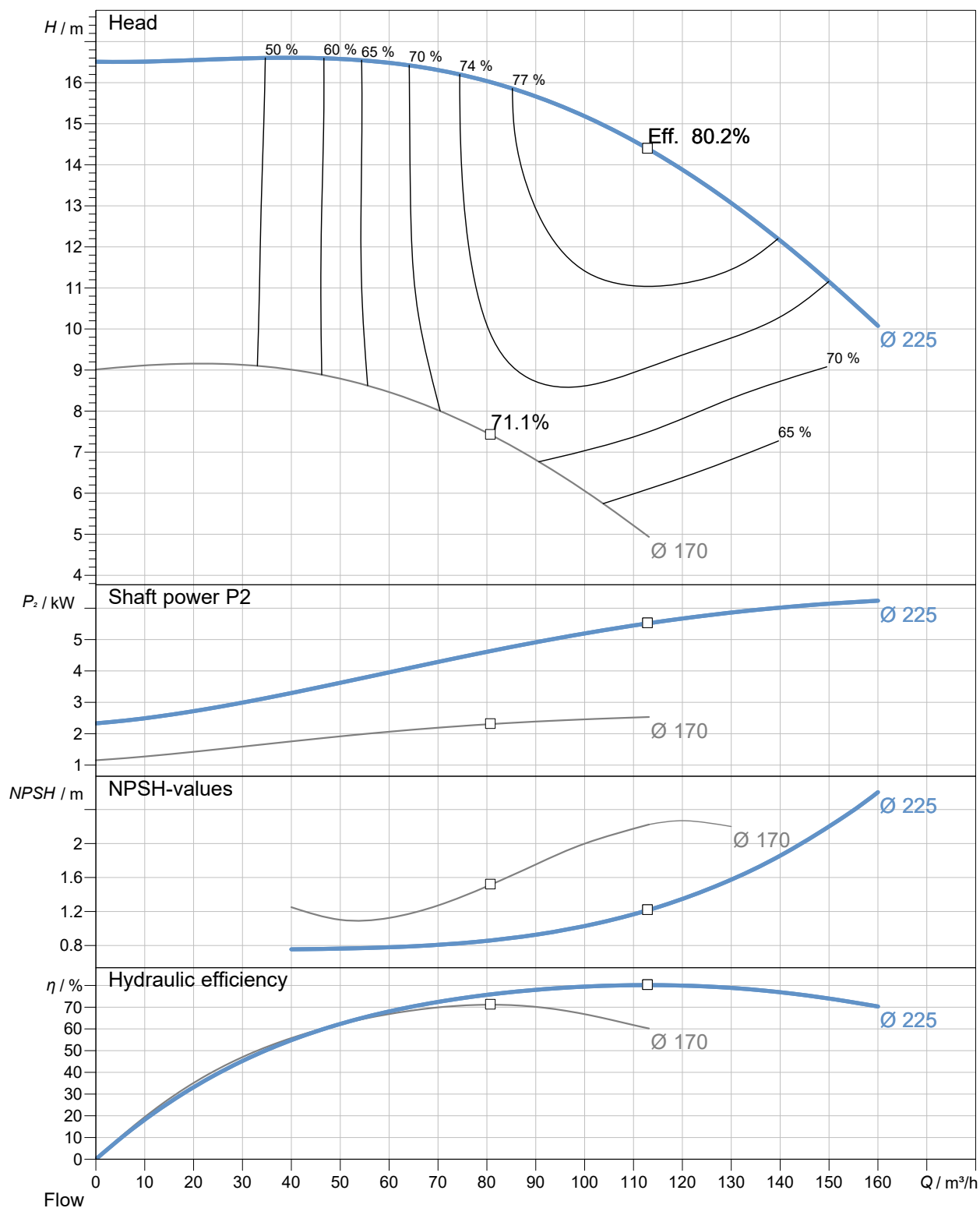
Speed

1450 1/min

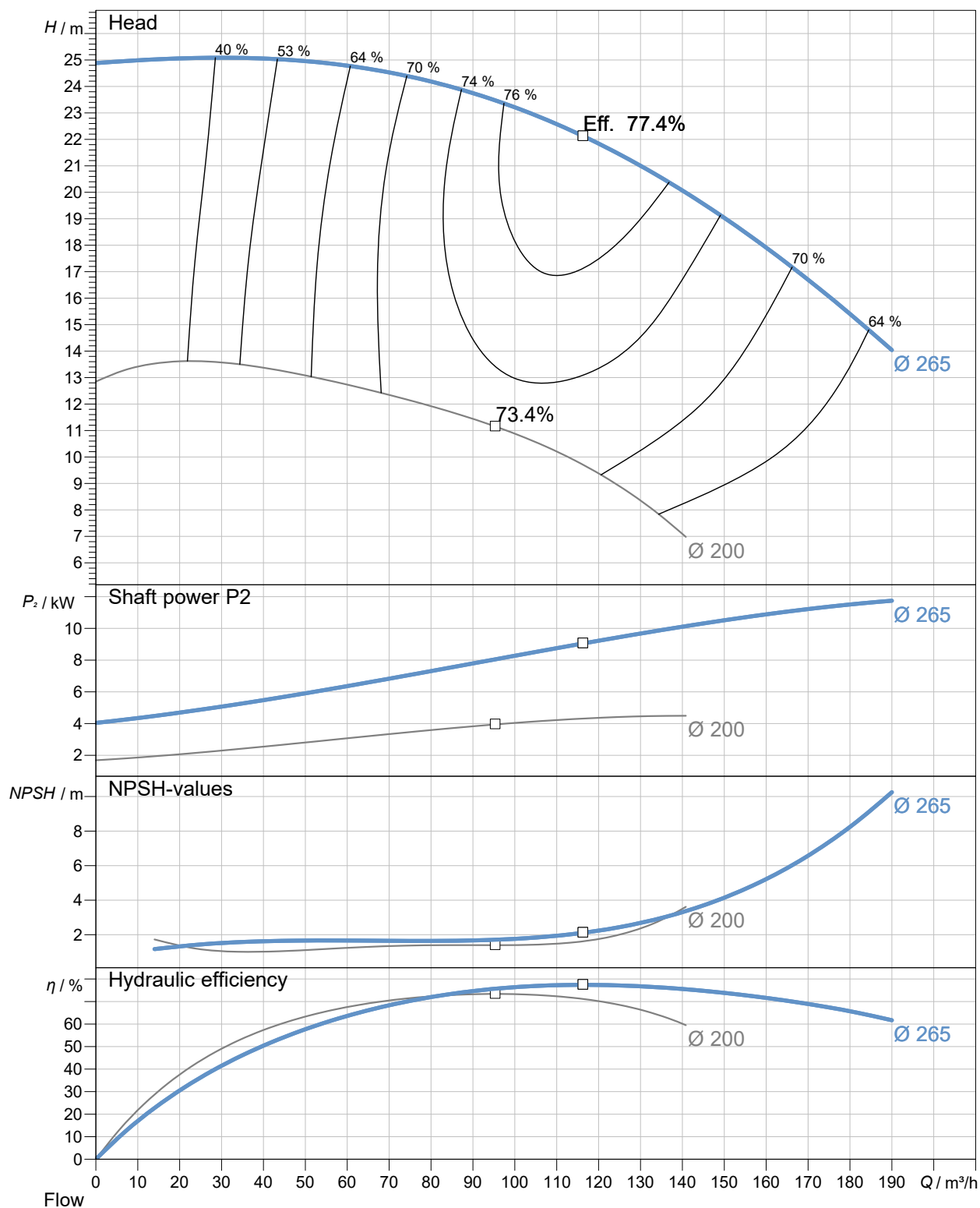
Impeller Ø

225 mm

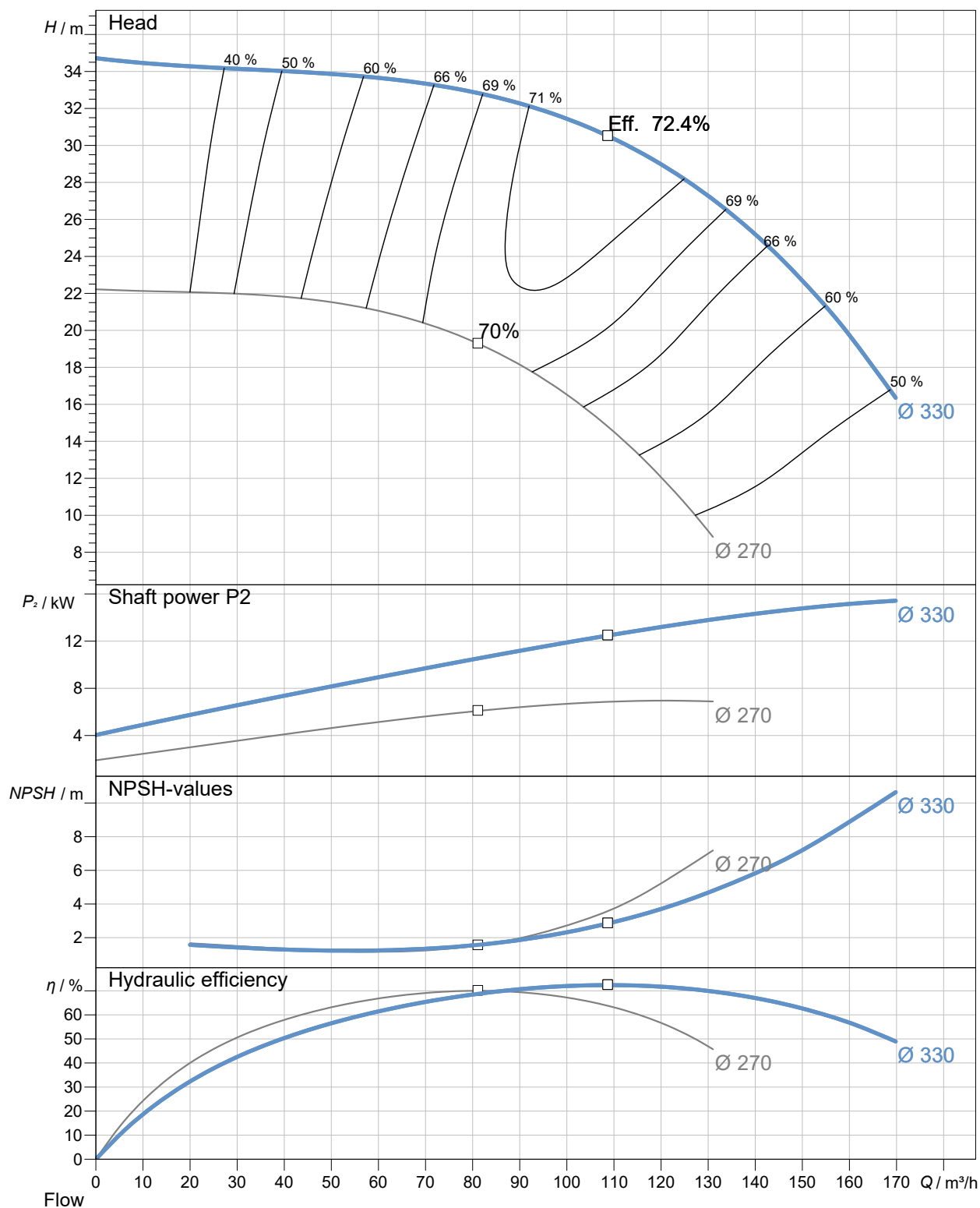
NPSH-value without safety margins



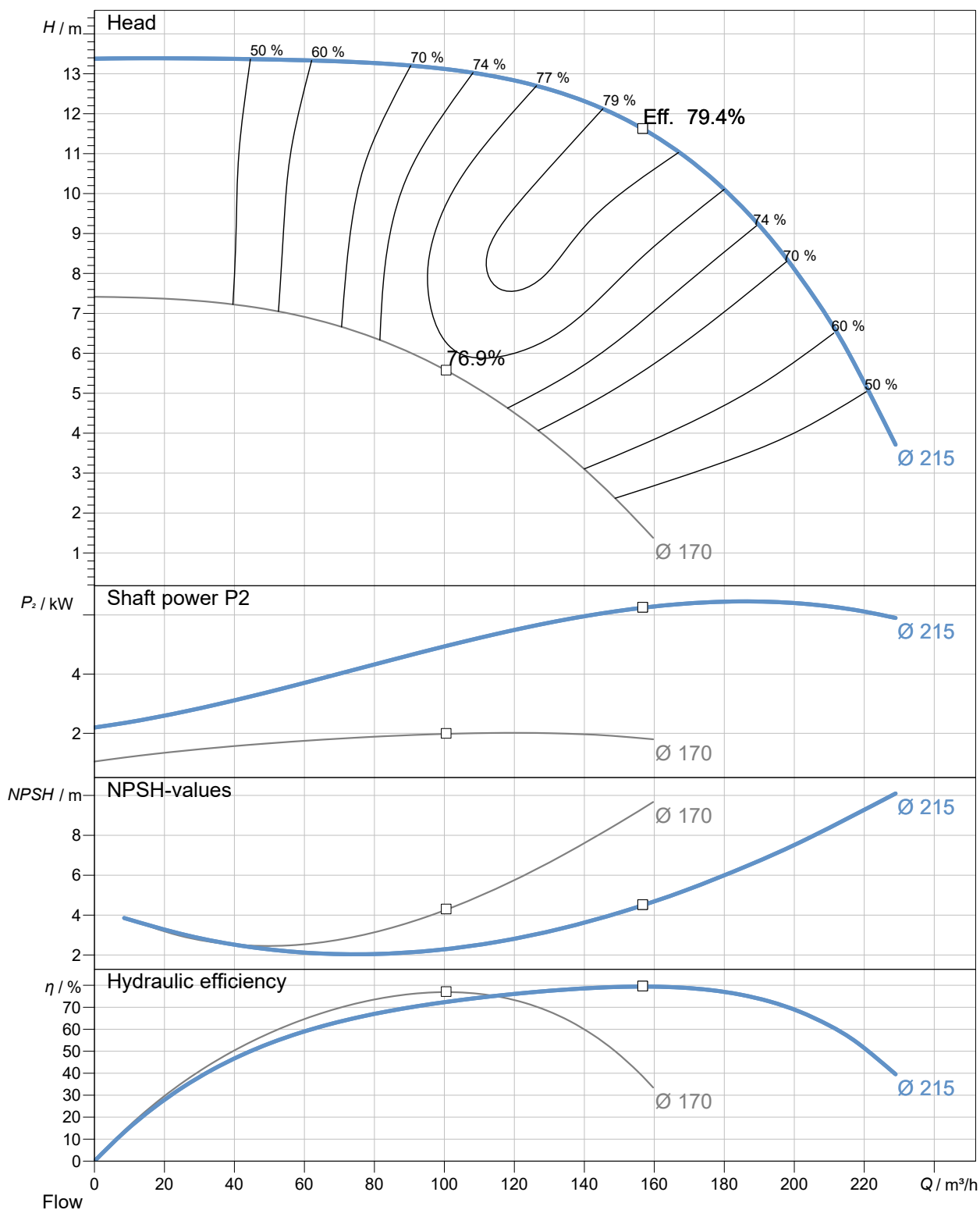
NPSH-value without safety margins



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! Motor sizes > 200L only allowed for installation with vertical pedestal.

Power data referred to:

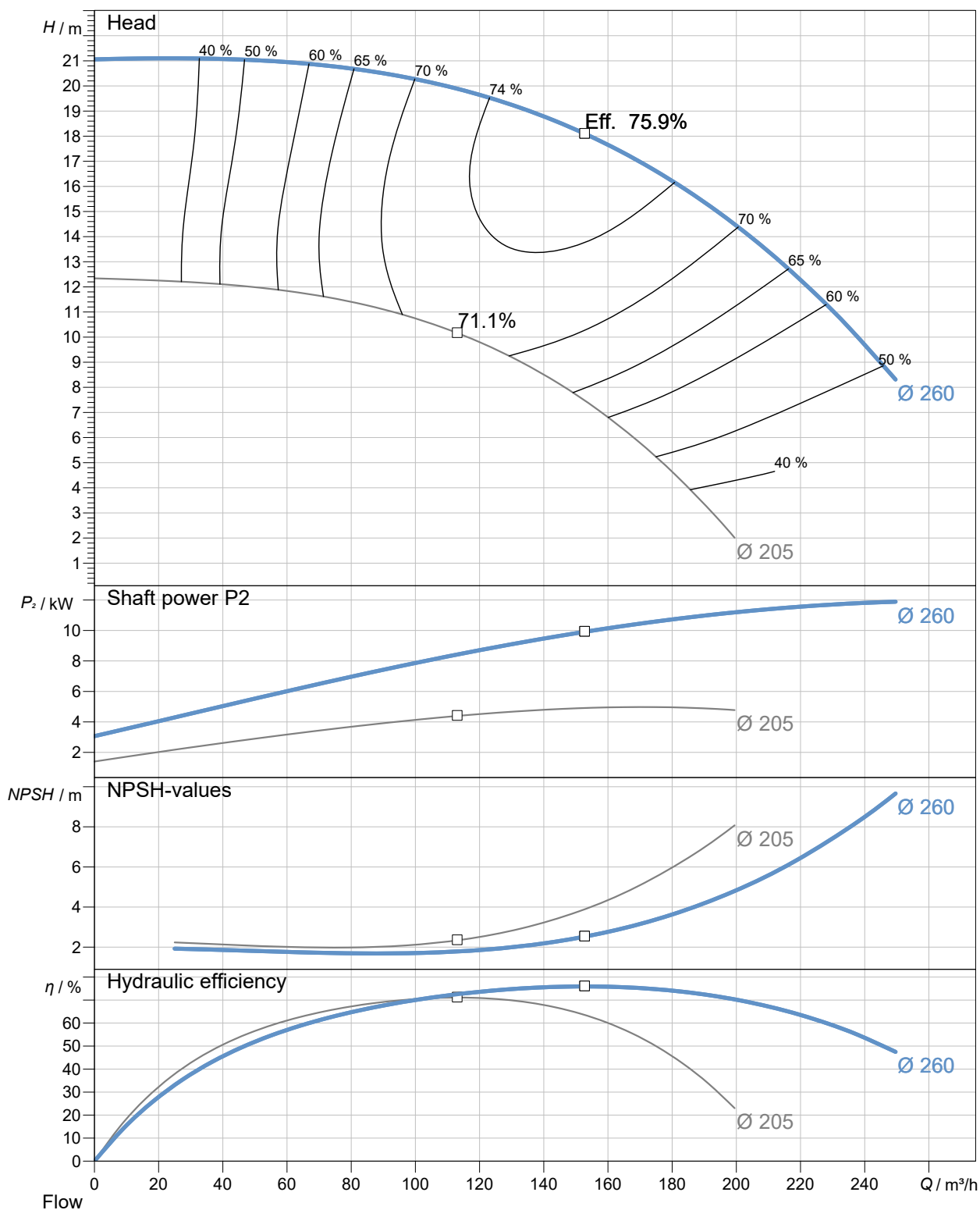
Water

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

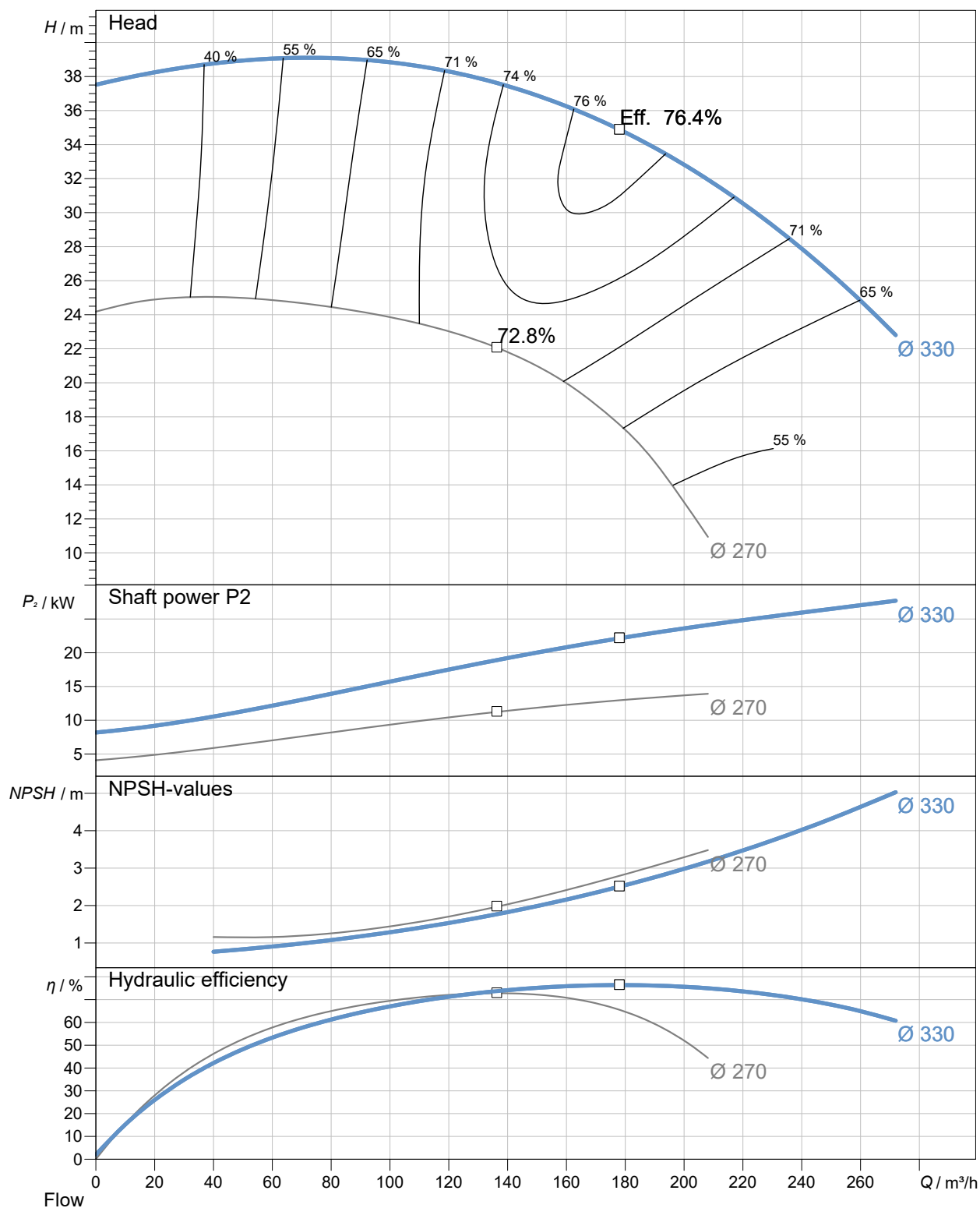
Speed
1450 1/min

Impeller Ø
260 mm

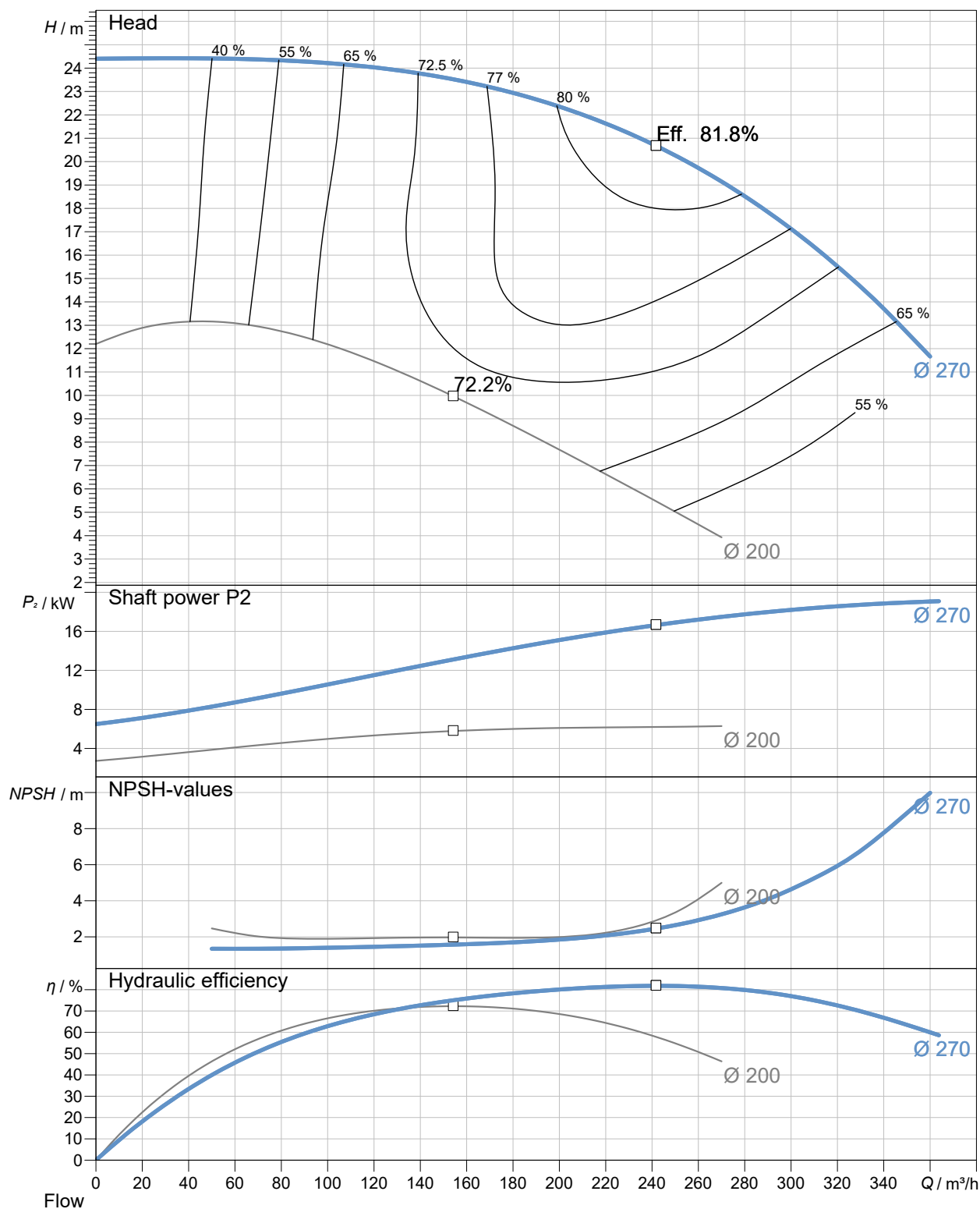
NPSH-value without safety margins



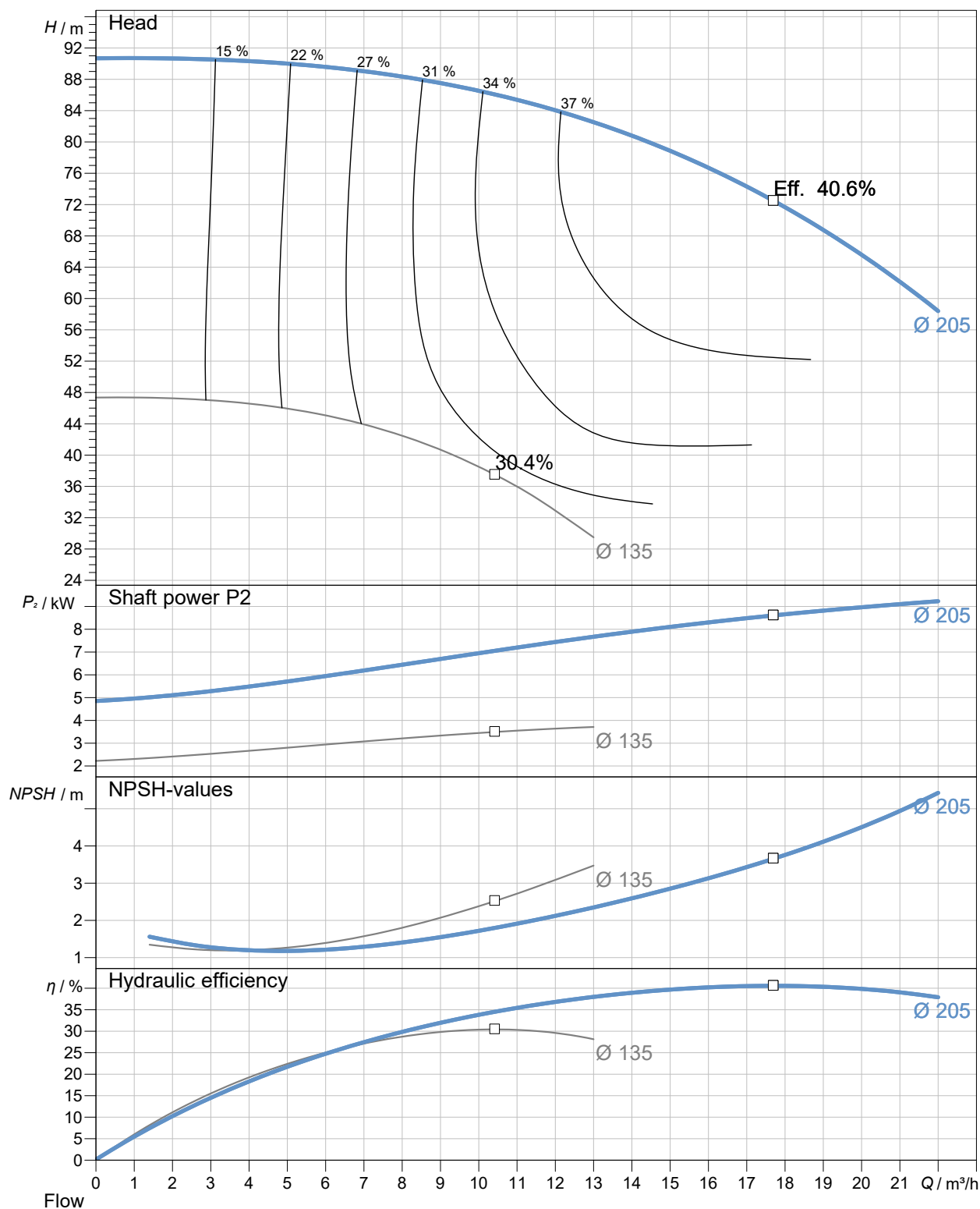
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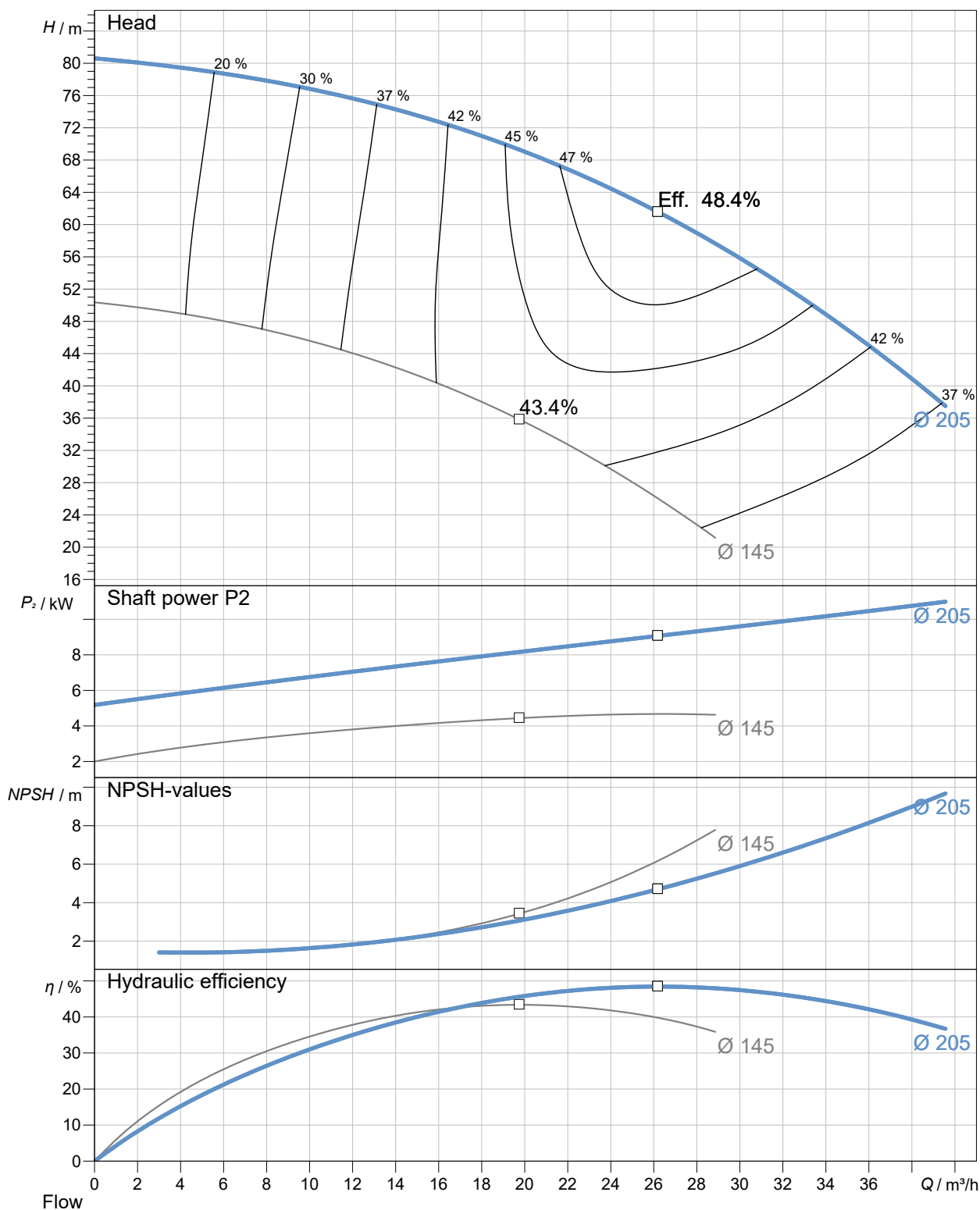
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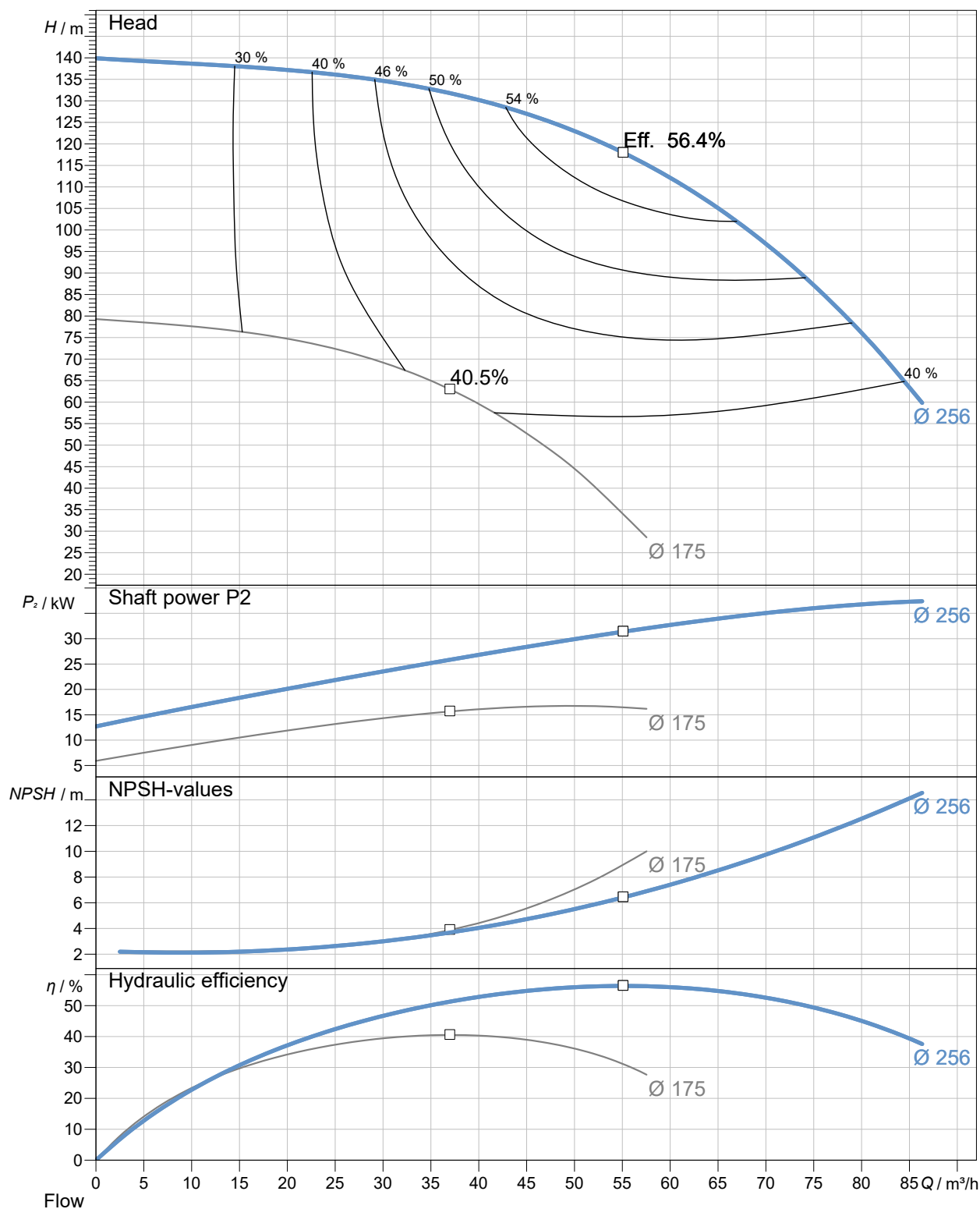
NPSH-value without safety margins



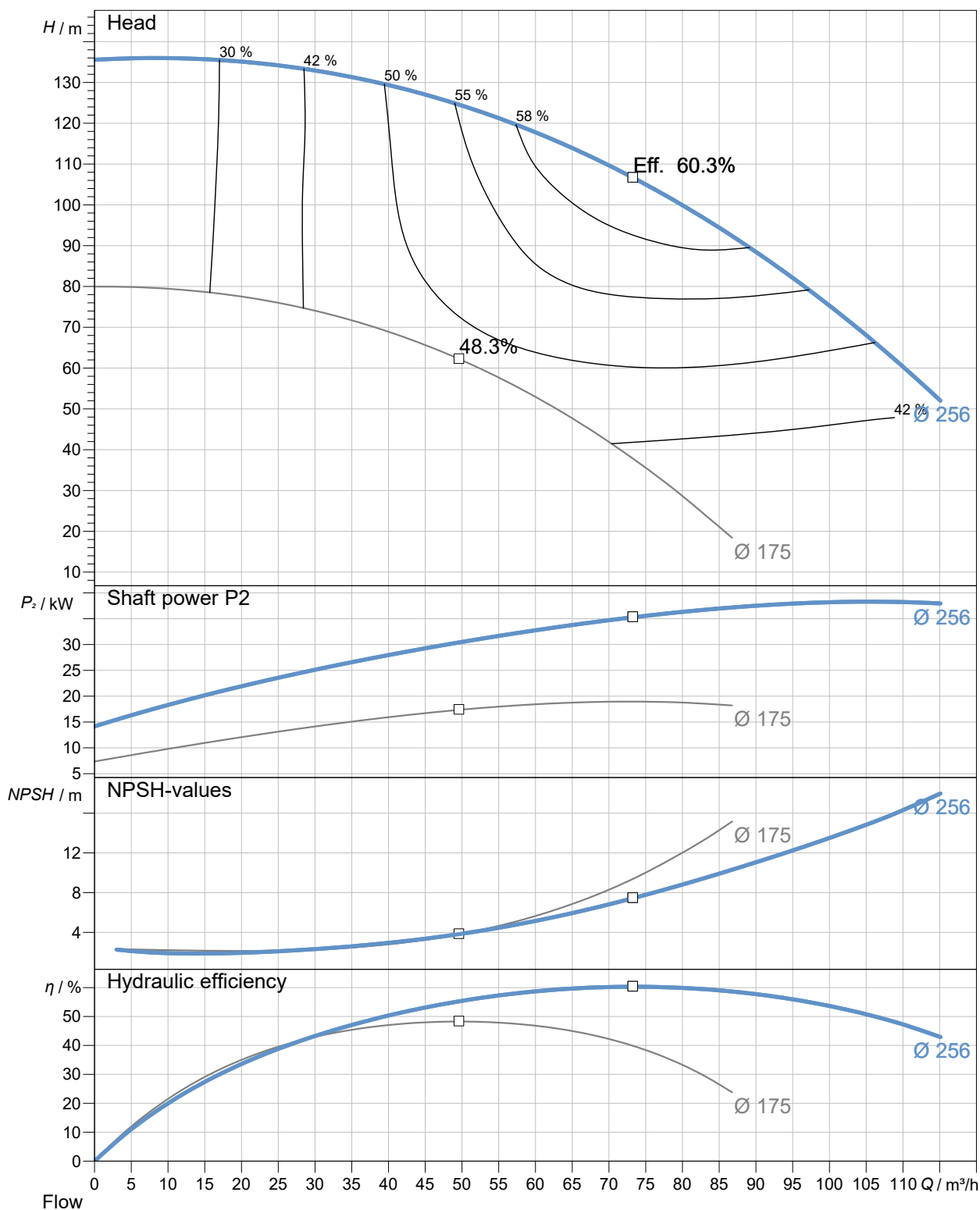
NPSH-value without safety margins



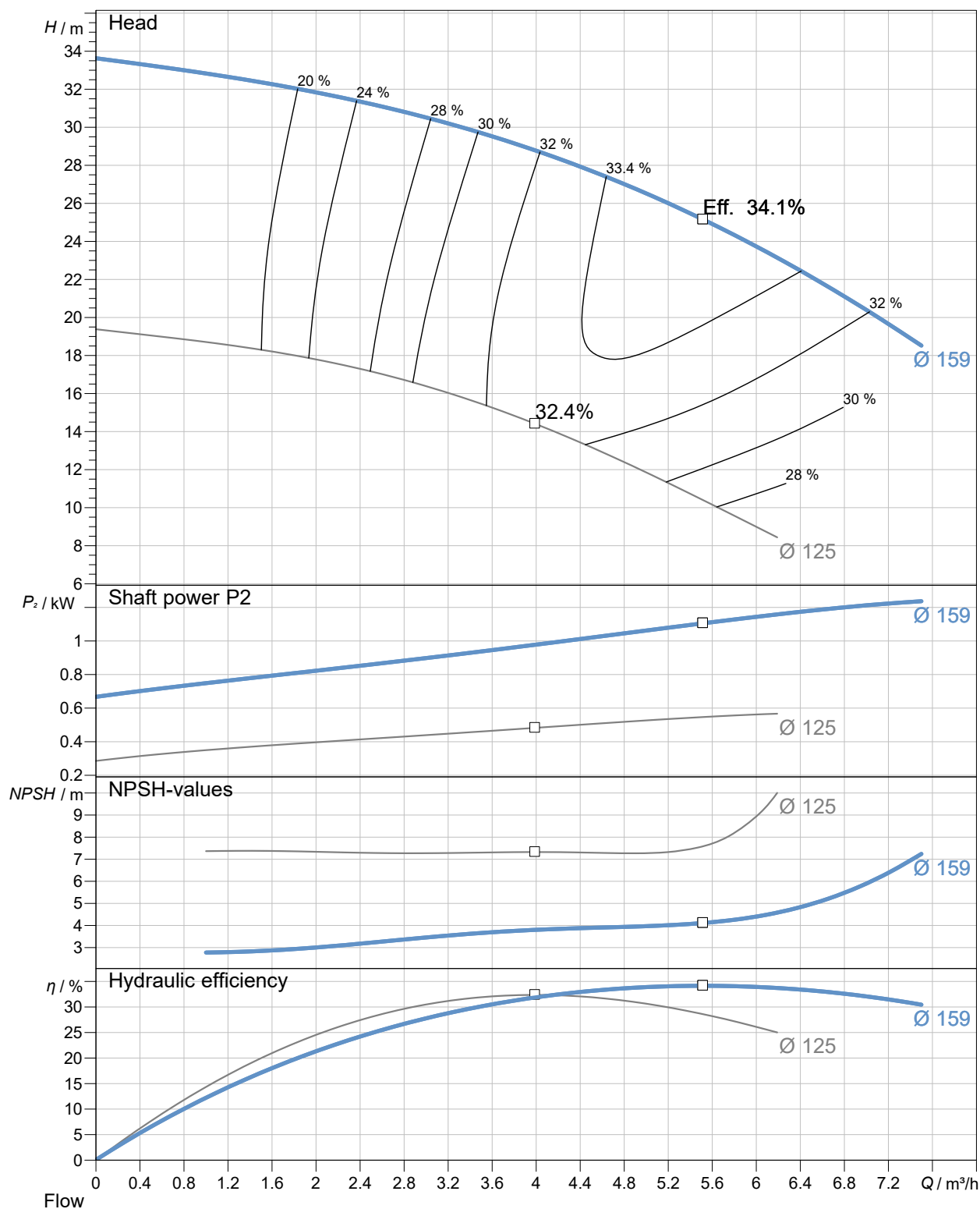
NPSH-value without safety margins



NPSH-value without safety margins



NPSH-value without safety margins



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

Minimum capacity

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

Power data referred to:

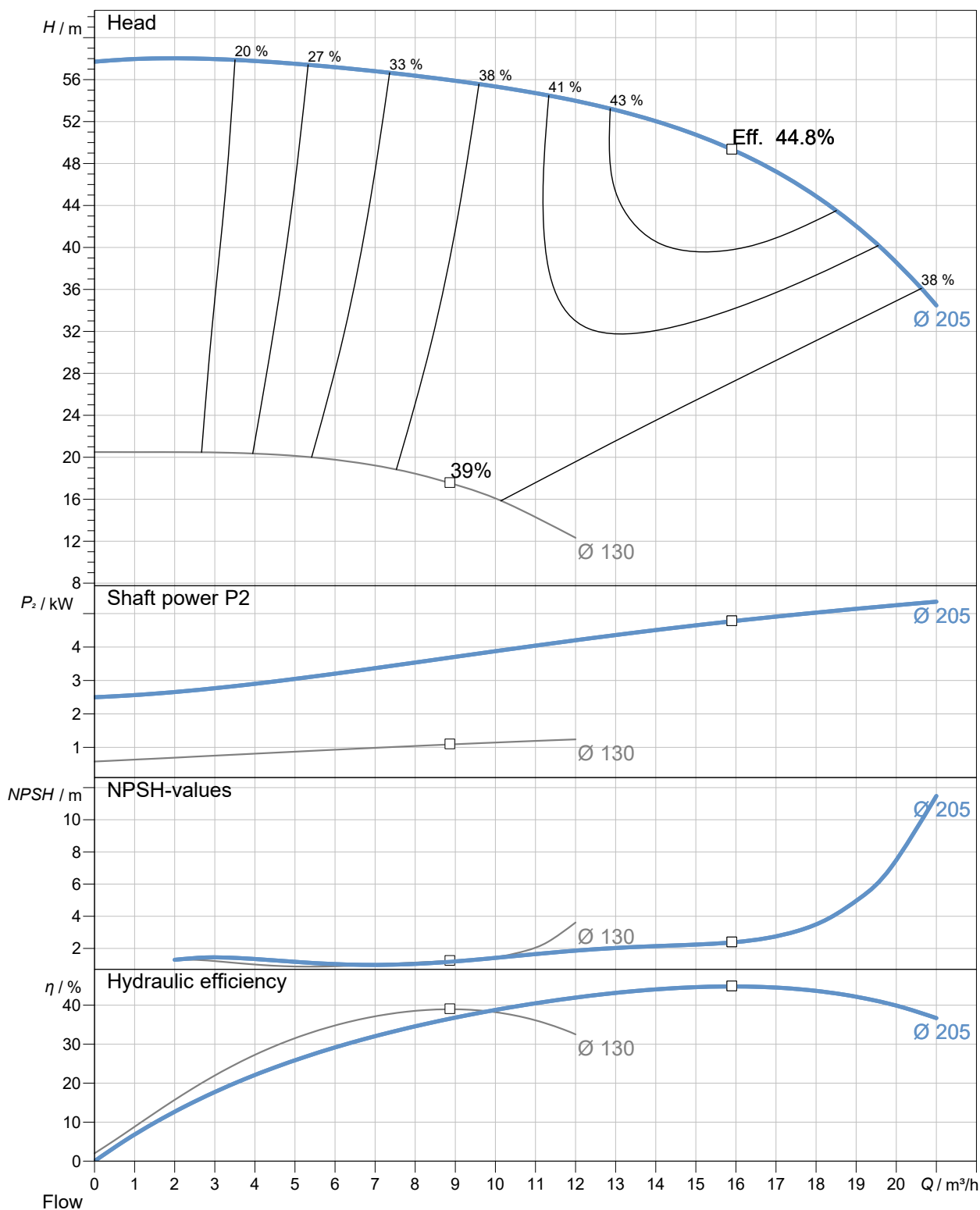
Water

	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
205 mm

NPSH-value without safety margins



Charact. curves acc. **DIN EN ISO 9906:2013-03 3B**
Minimum capacity $Q_{min} = 0.1 \cdot Q_{opt}$

Power data referred to:

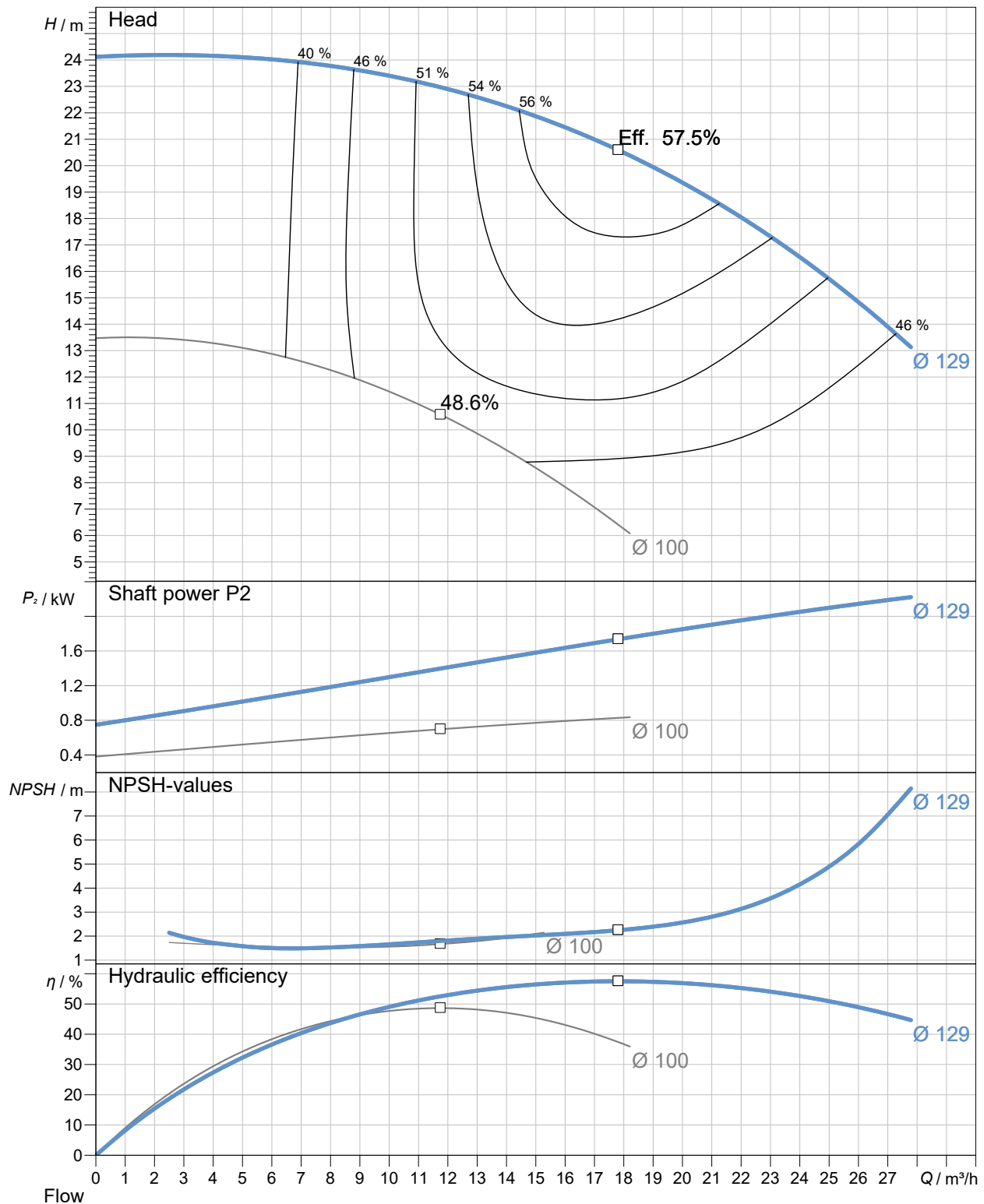
Water

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

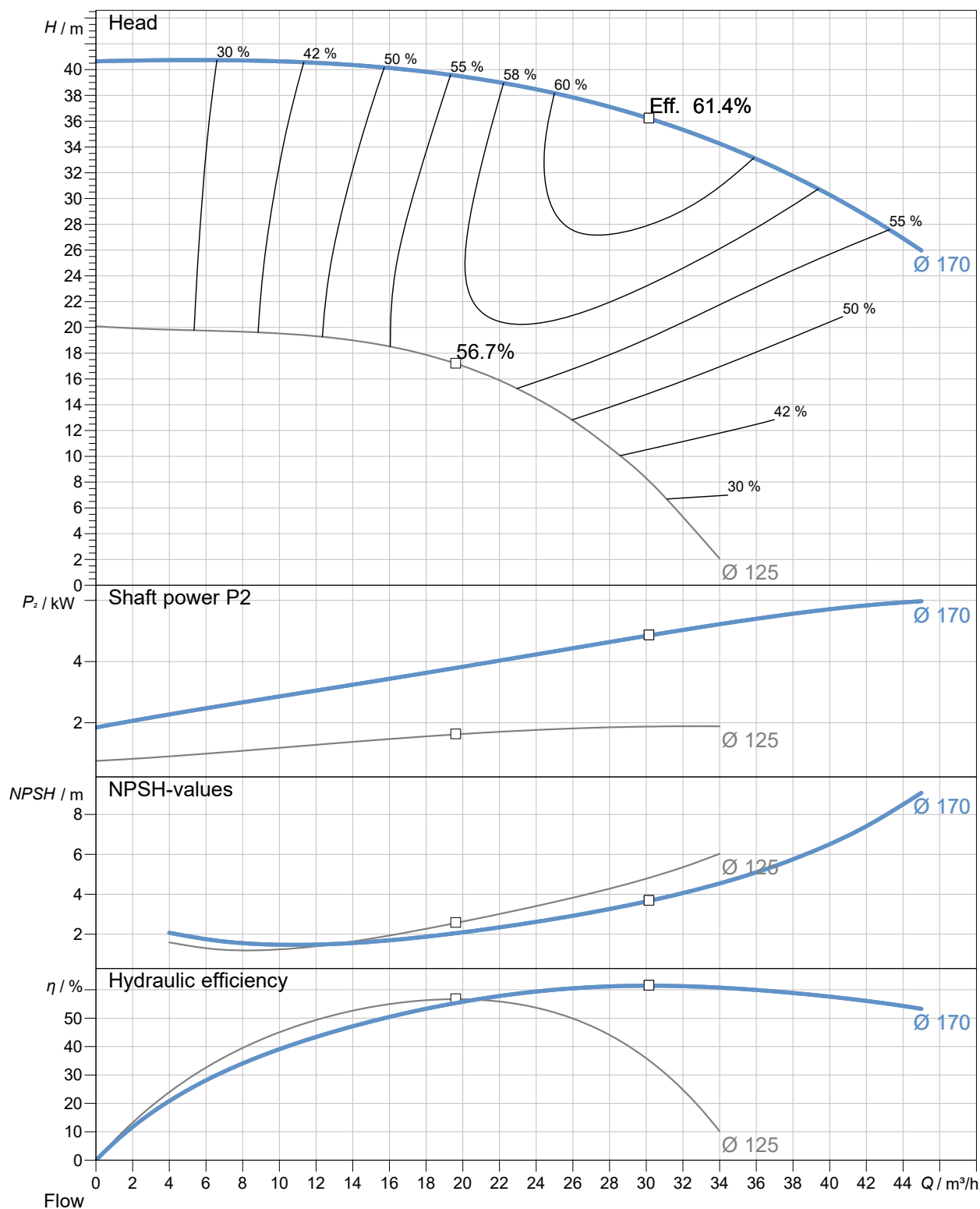
Speed
2900 1/min

Impeller Ø
129 mm

NPSH-value without safety margins



NPSH-value without safety margins



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

Minimum capacity

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

Power data referred to:

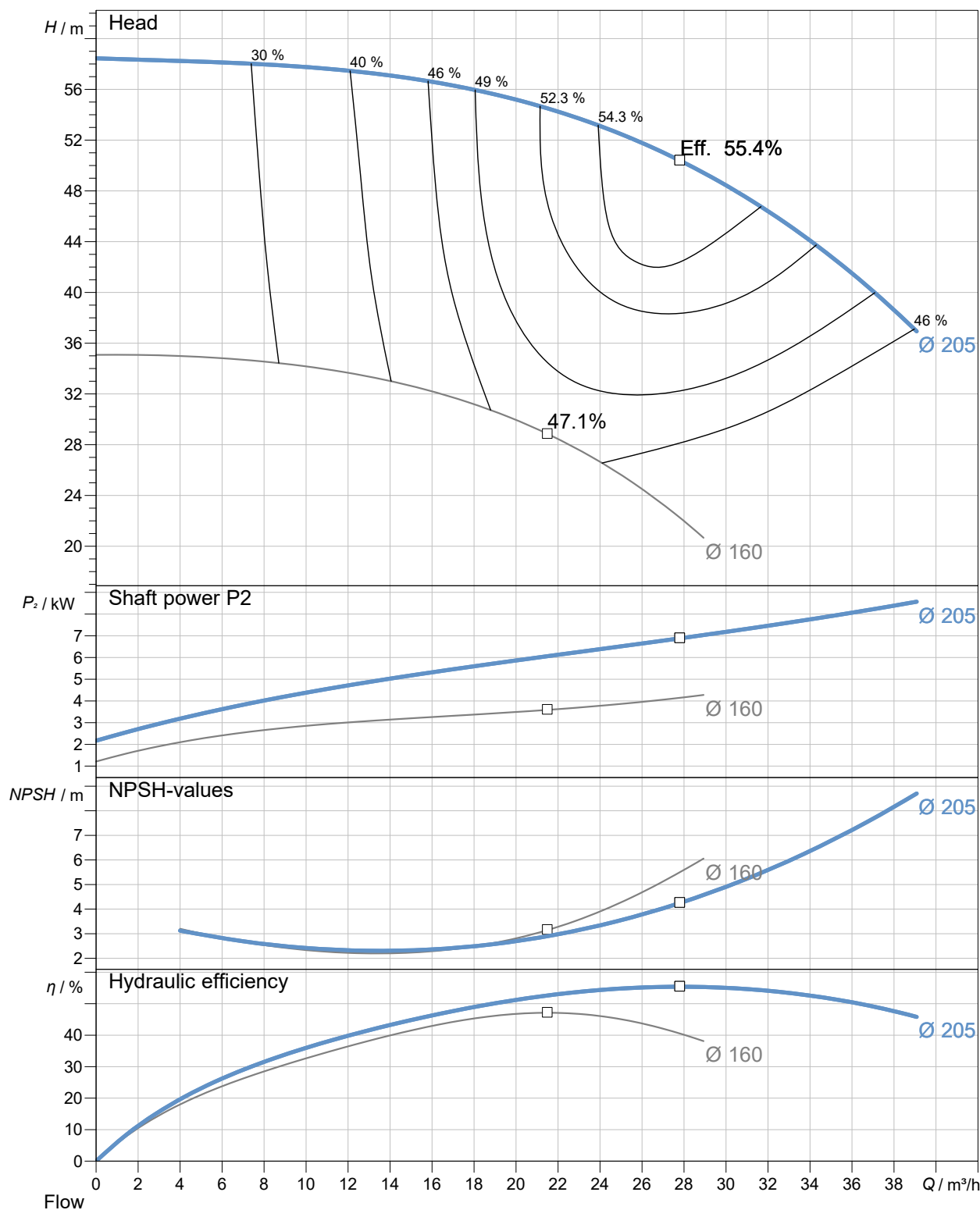
Water

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

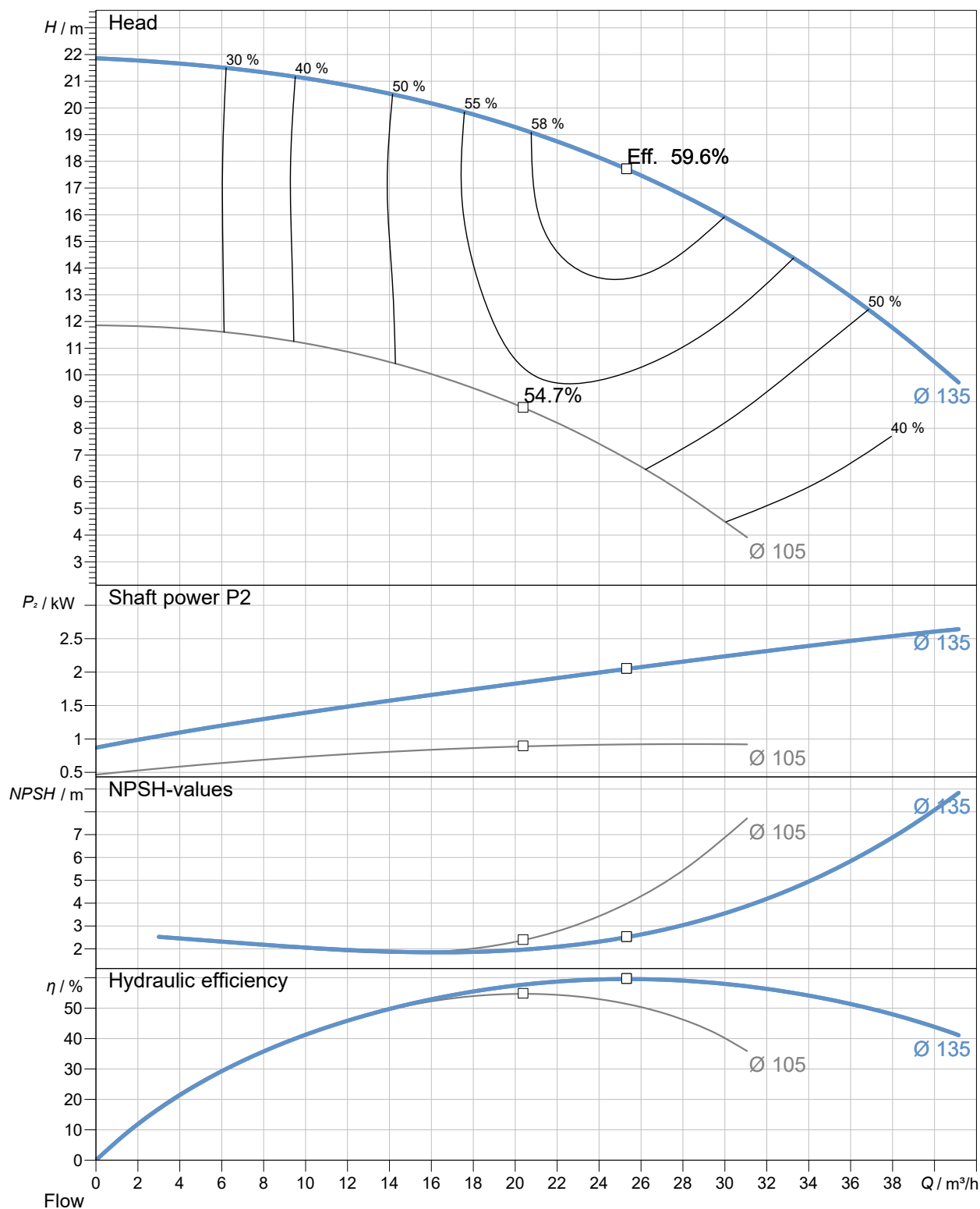
Speed
2900 1/min

Impeller Ø
205 mm

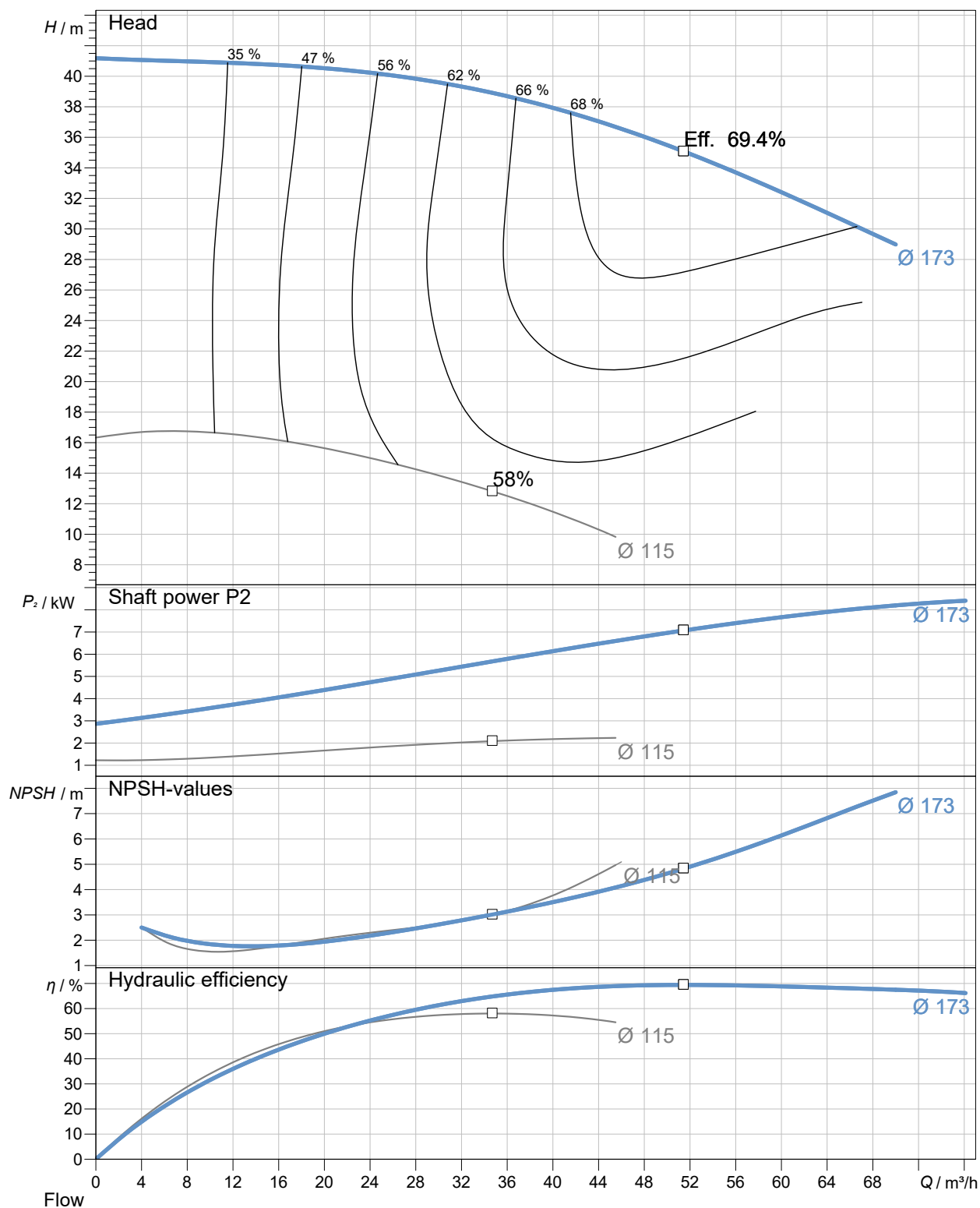
NPSH-value without safety margins



NPSH-value without safety margins



NPSH-value without safety margins



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

Minimum capacity

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

Power data referred to:

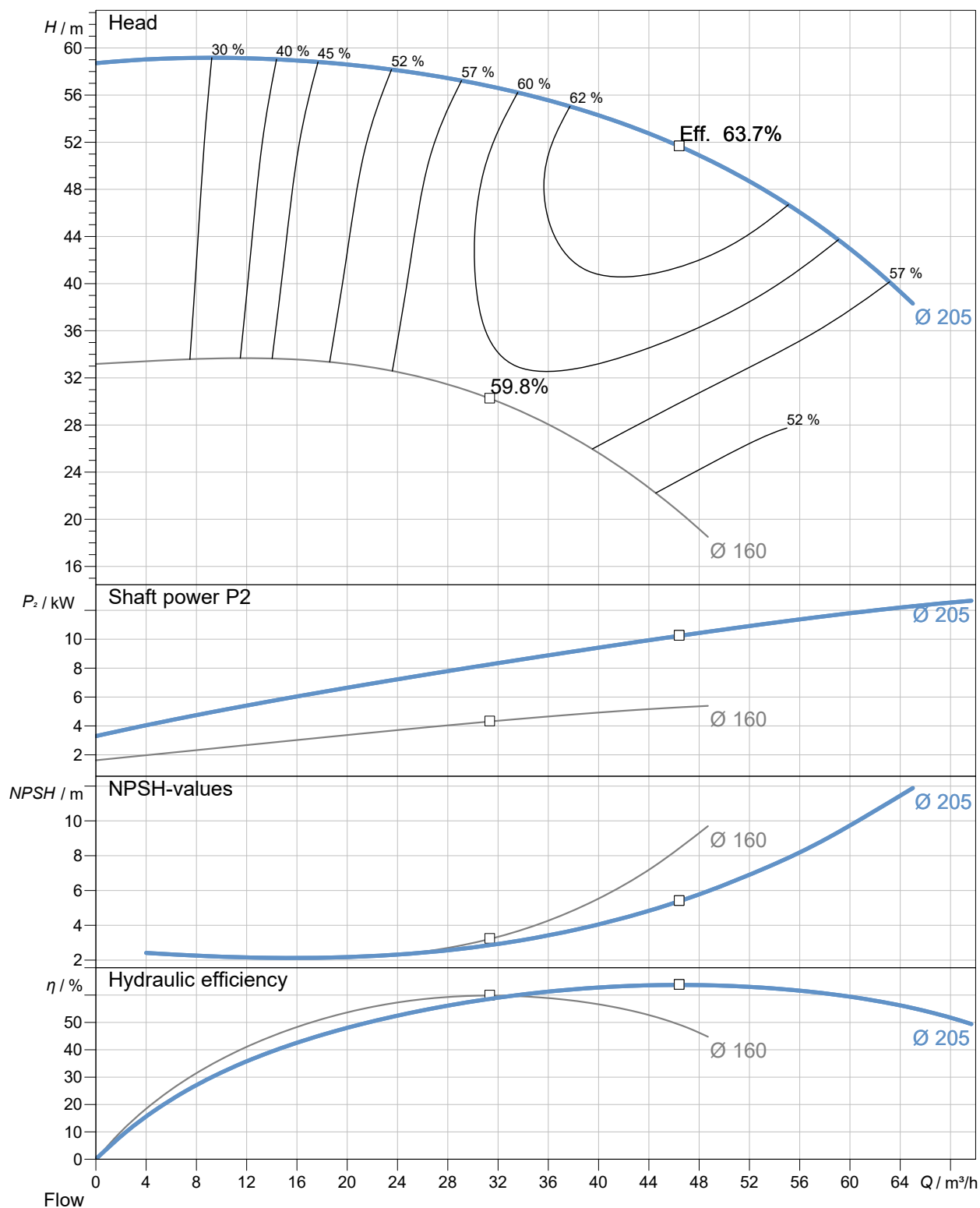
Water

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



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

Minimum capacity

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

Power data referred to:

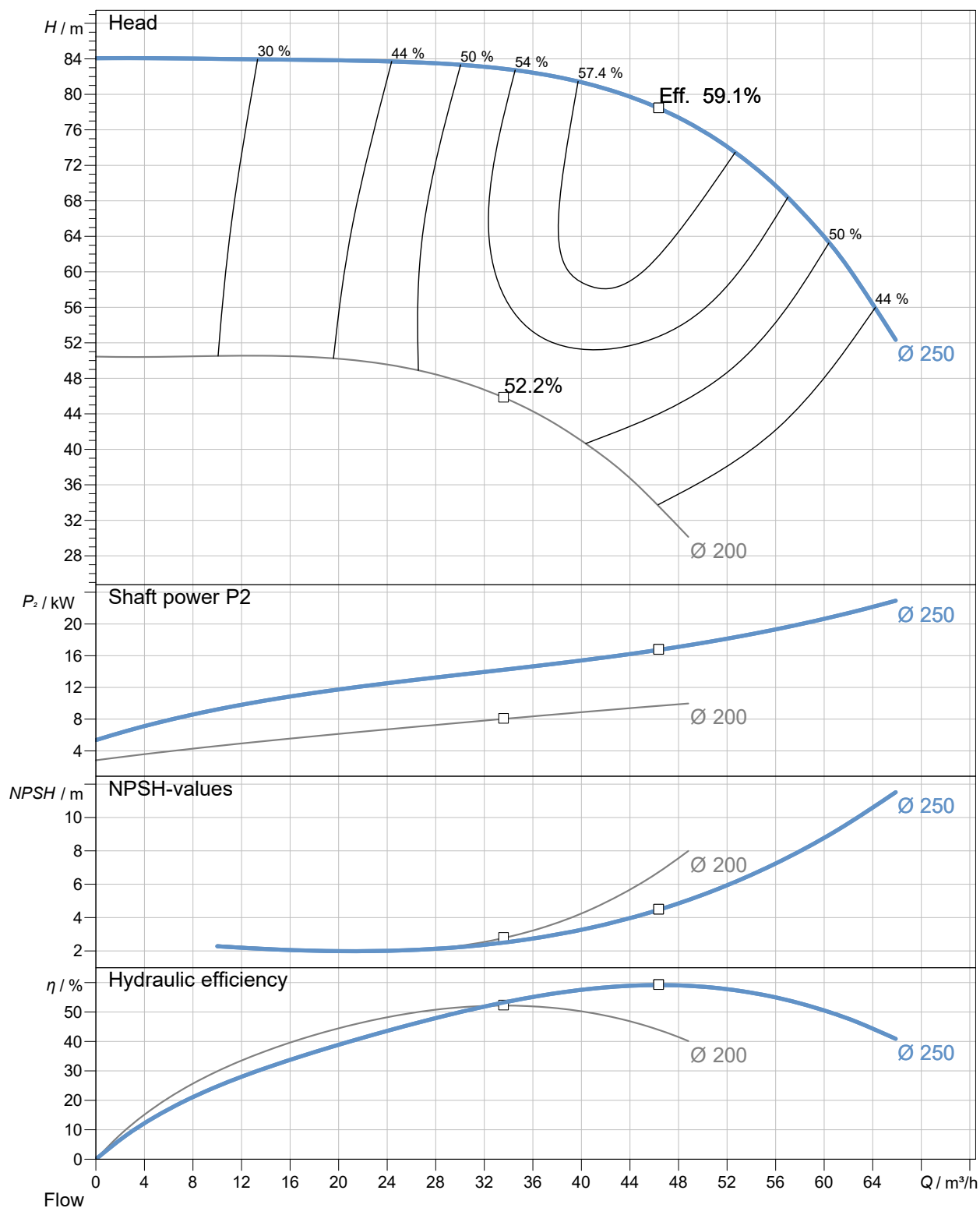
Water

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

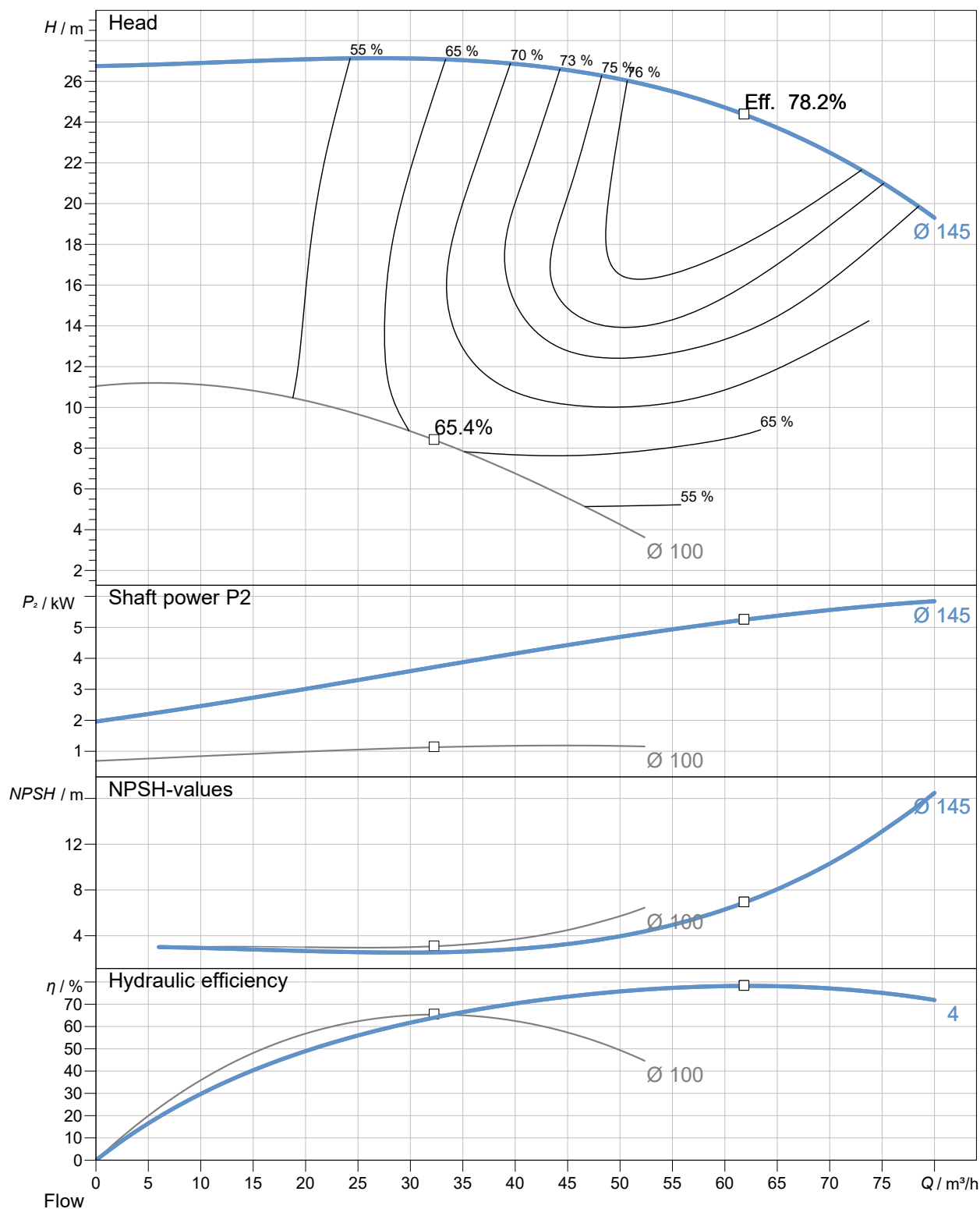
Speed
2900 1/min

Impeller Ø
250 mm

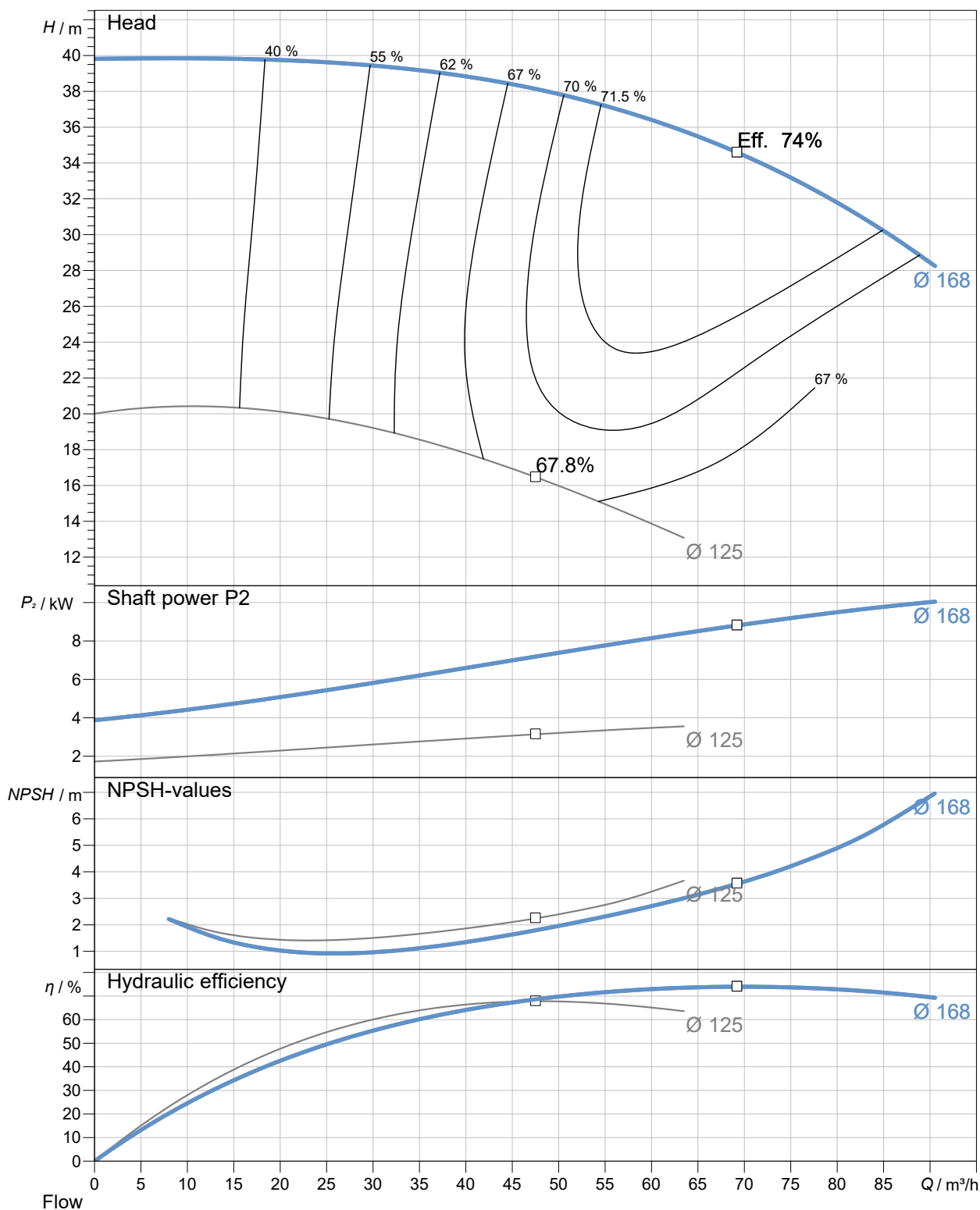
NPSH-value without safety margins



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! Motor sizes > 200L only allowed for installation with vertical pedestal.

Power data referred to:

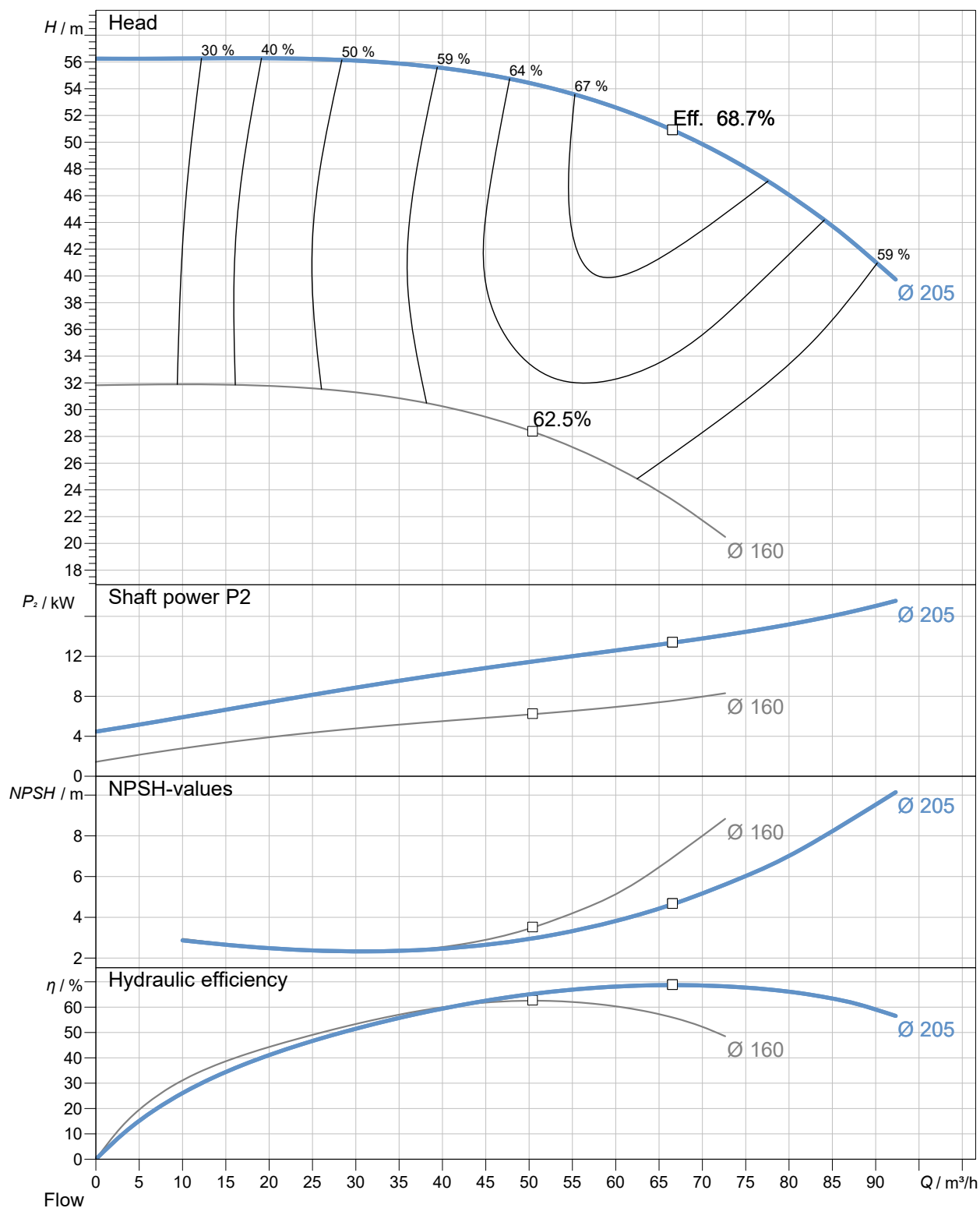
Water

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

Speed
2900 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! Motor sizes > 200L only allowed for installation with vertical pedestal.

Power data referred to:

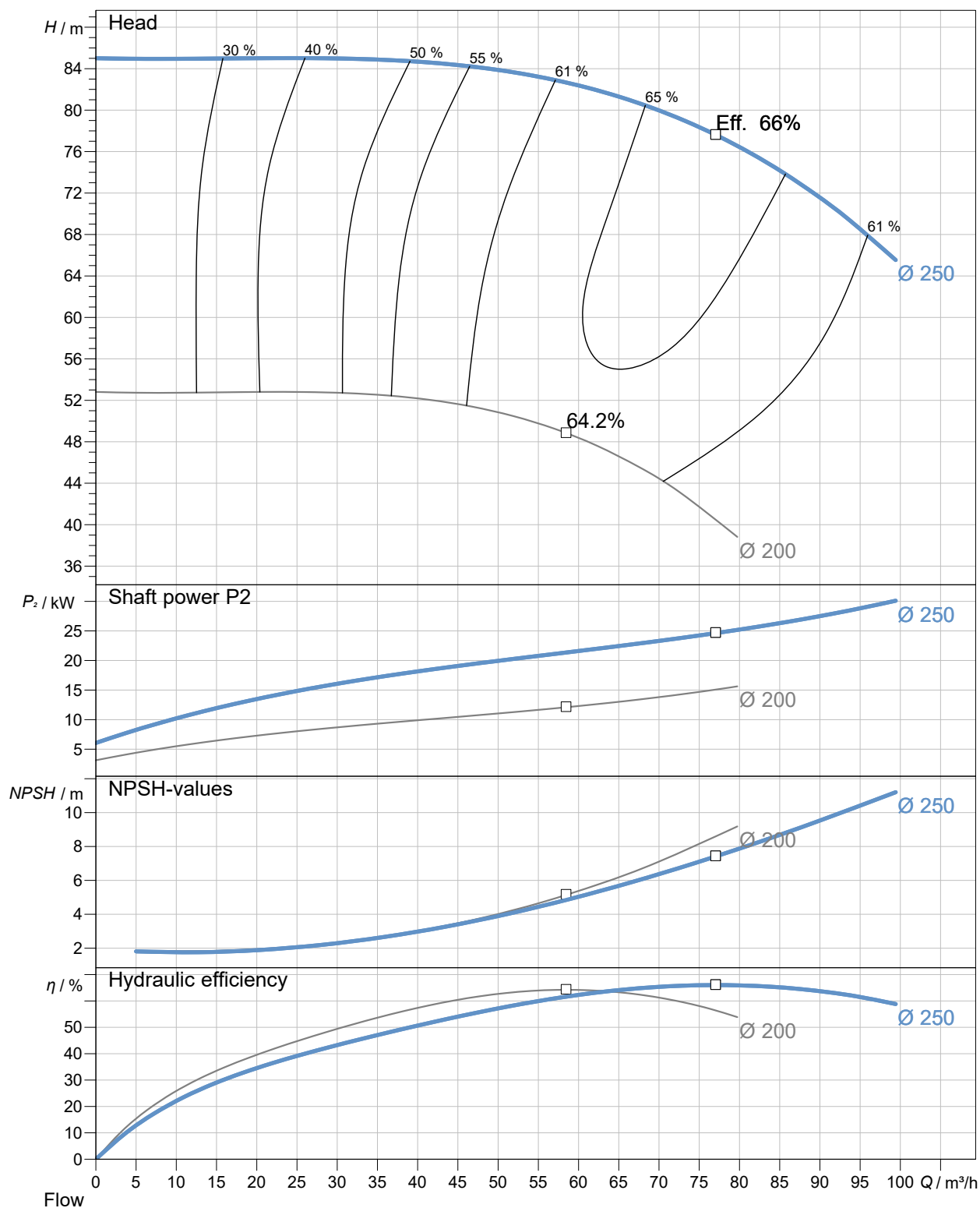
Water

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

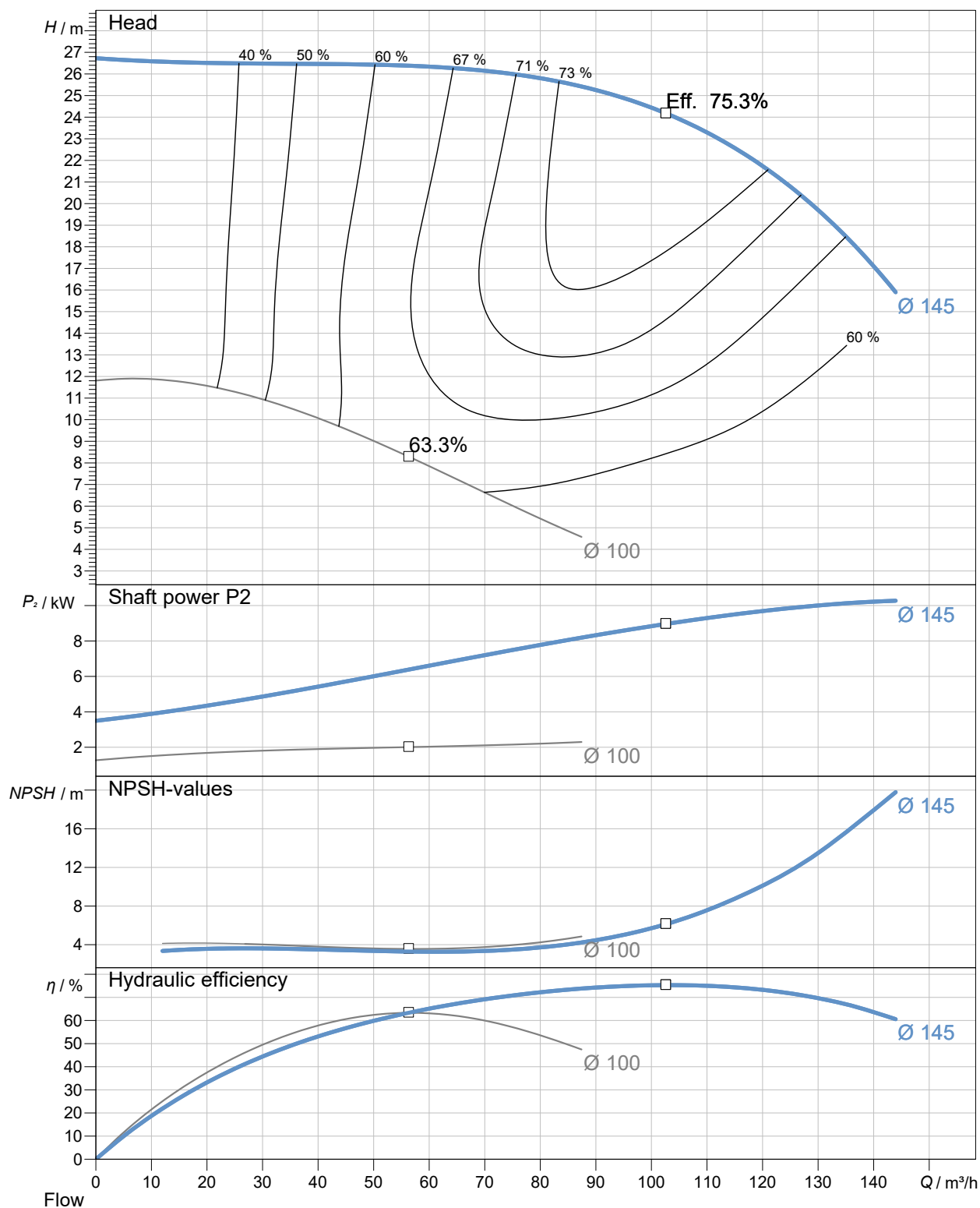
Speed
2900 1/min

Impeller Ø
250 mm

NPSH-value without safety margins



NPSH-value without safety margins



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

Minimum capacity

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

Power data referred to:

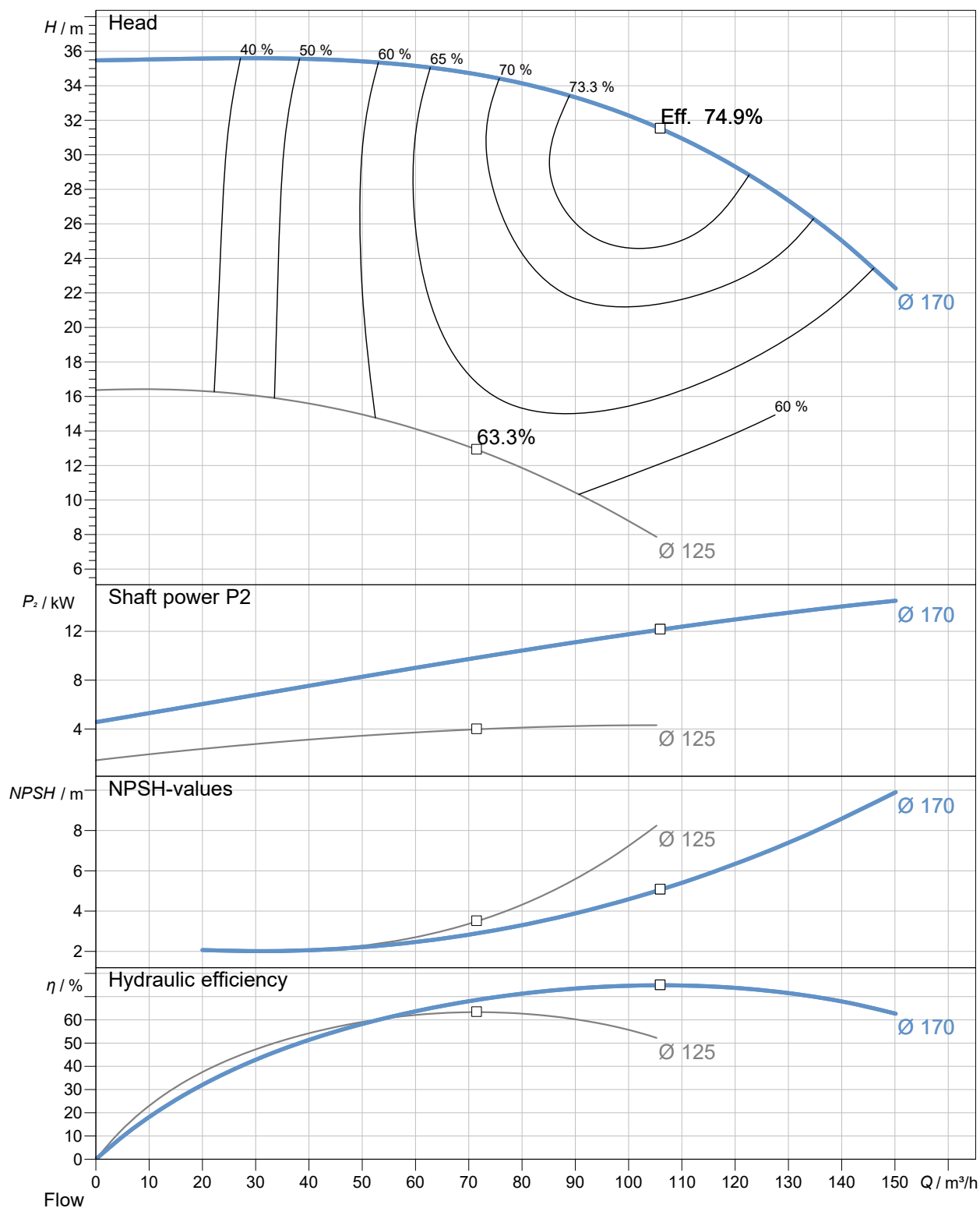
Water

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
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! Motor sizes > 200L only allowed for installation with vertical pedestal.

Power data referred to:

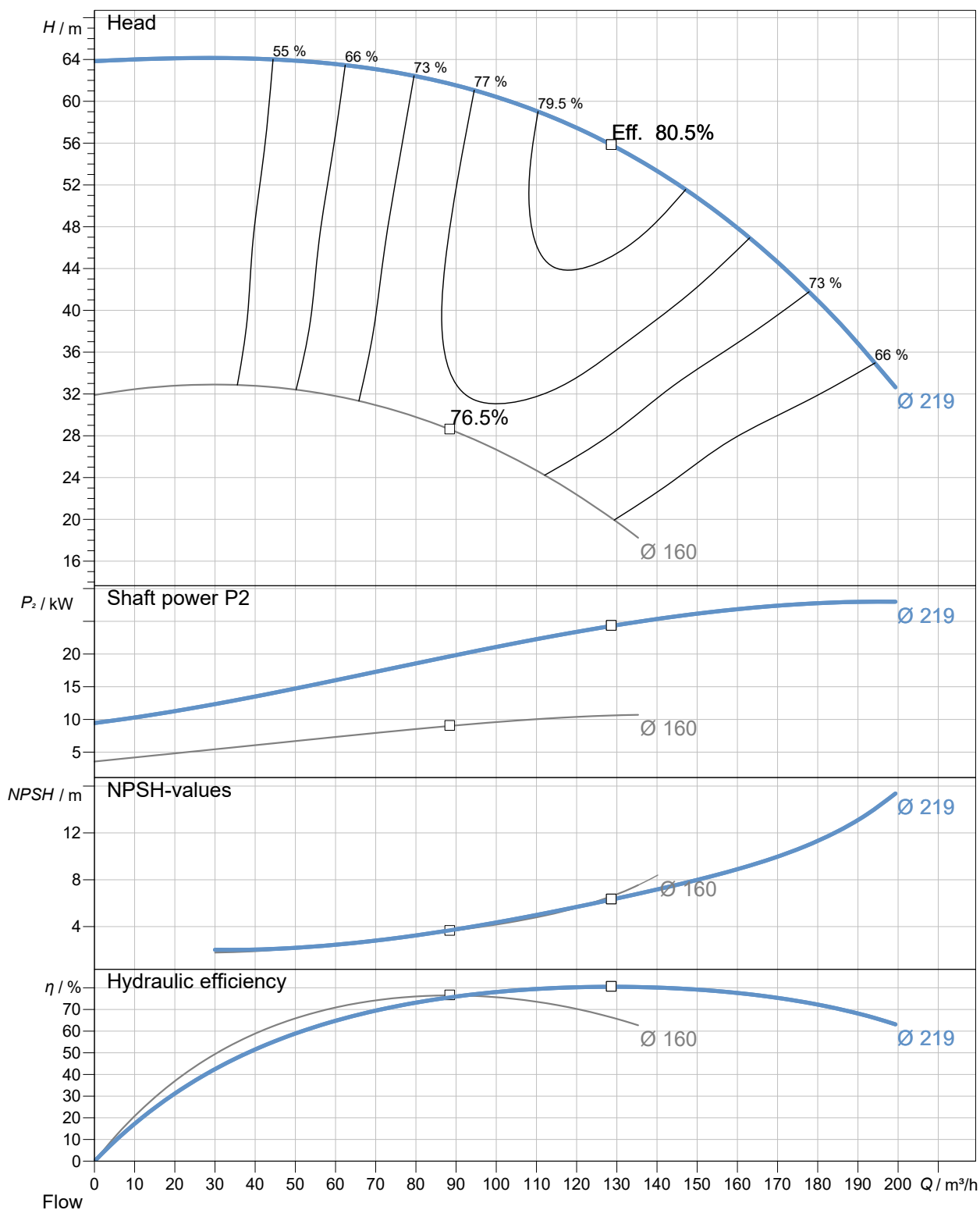
Water

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

Speed
2900 1/min

Impeller Ø
219 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! Motor sizes > 200L only allowed for installation with vertical pedestal.

Power data referred to:

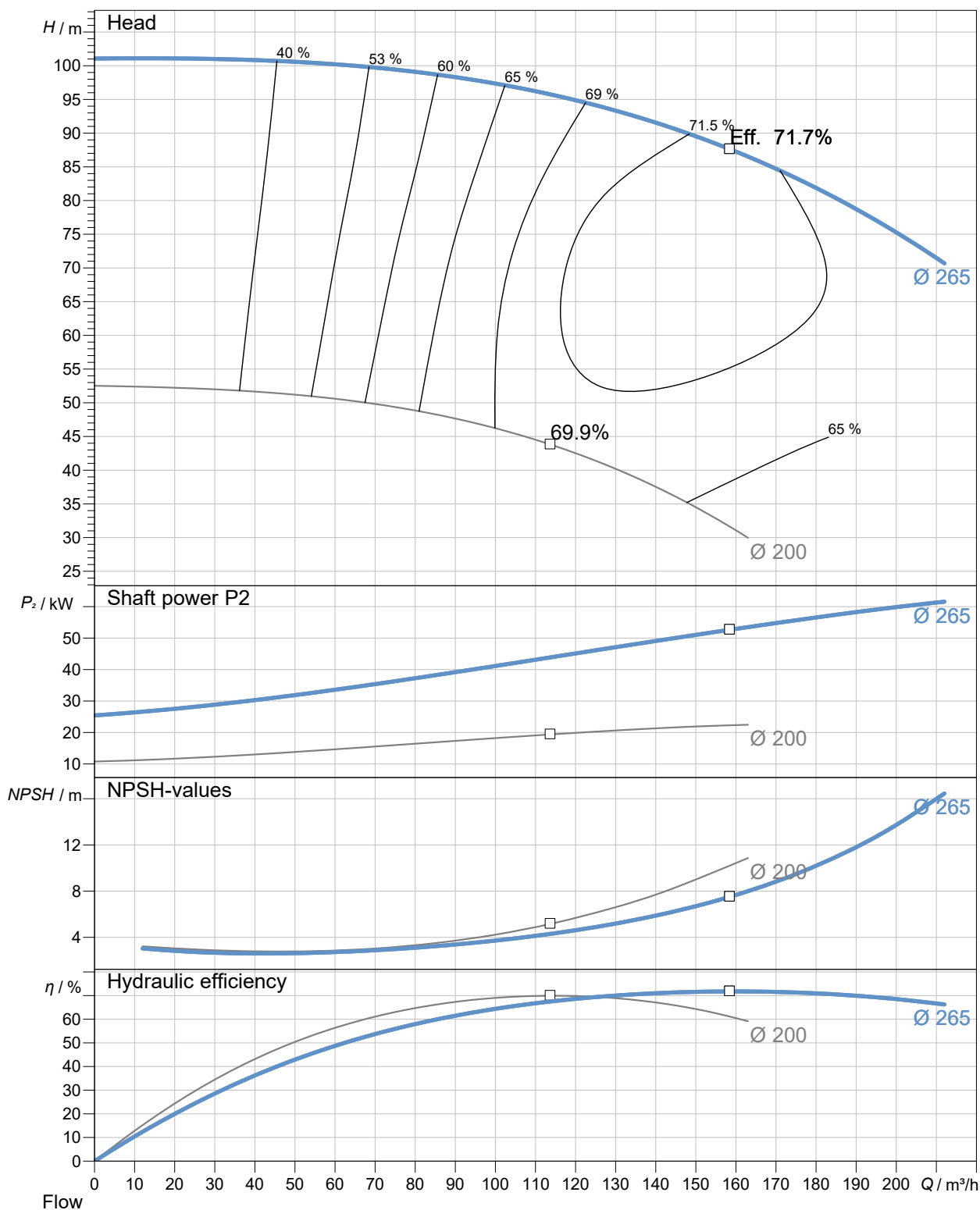
Water

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

Speed
2900 1/min

Impeller Ø
265 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! Motor sizes > 200L only allowed for installation with vertical pedestal.

Power data referred to:

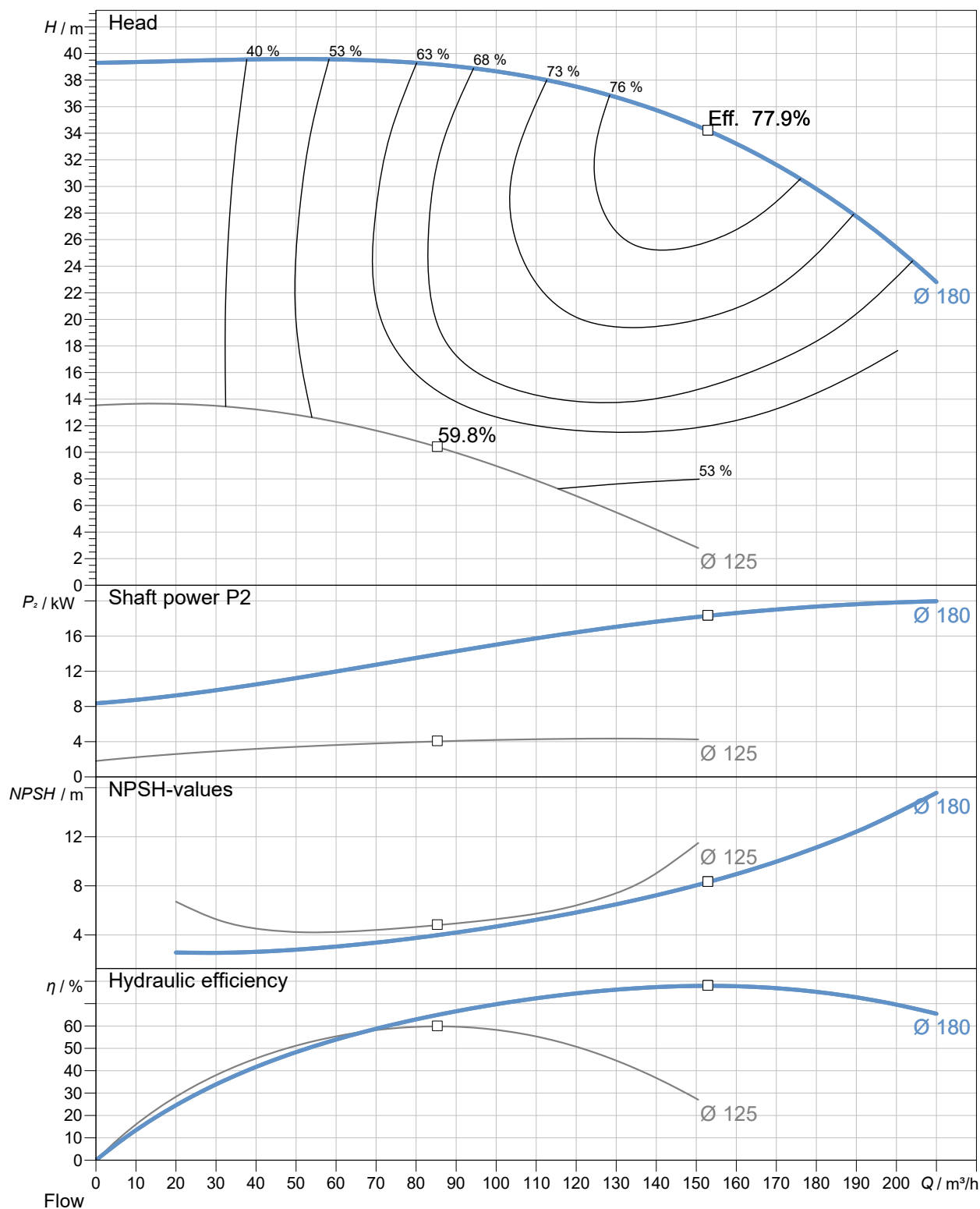
Water

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
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! Motor sizes > 200L only allowed for installation with vertical pedestal.

Power data referred to:

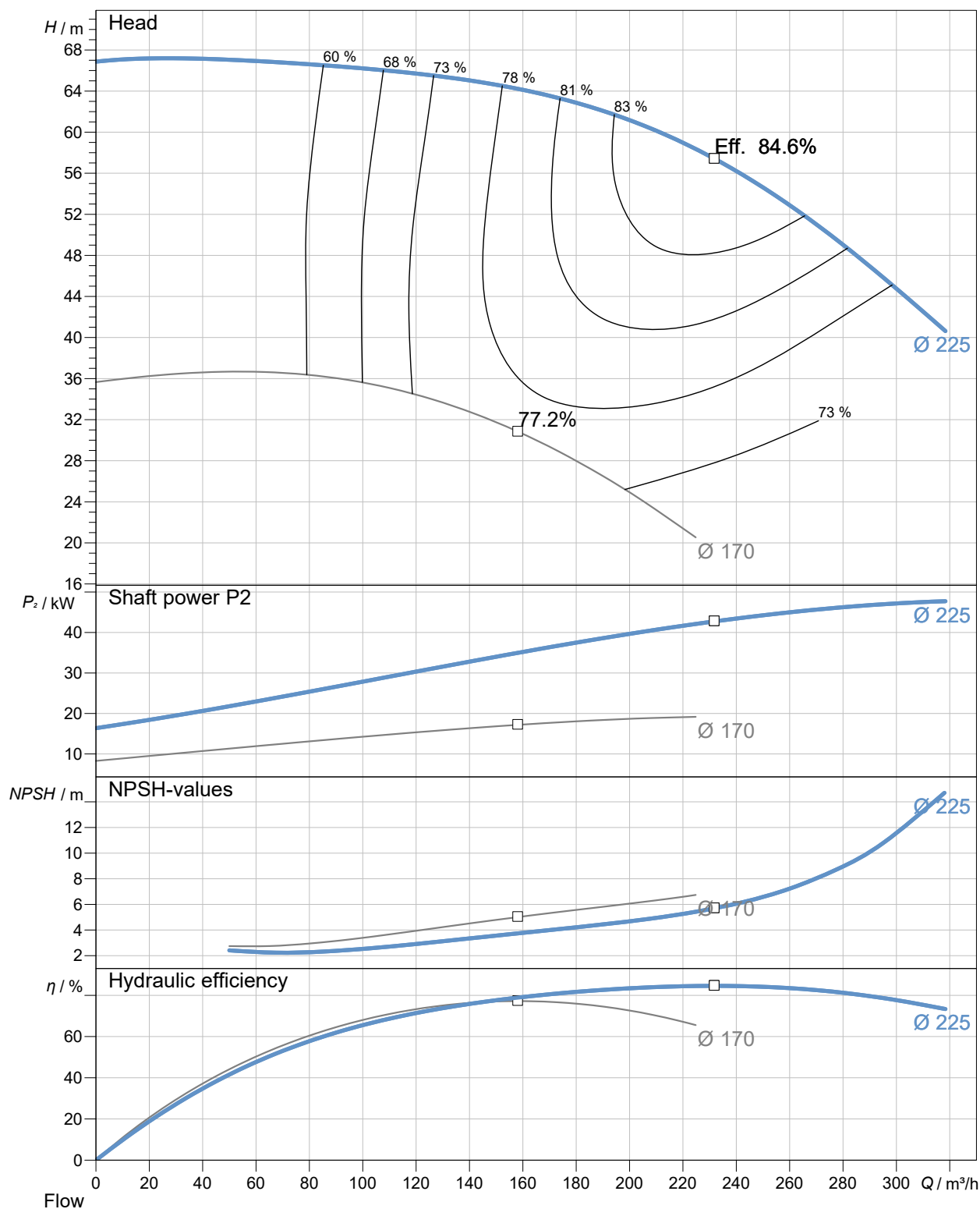
Water

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

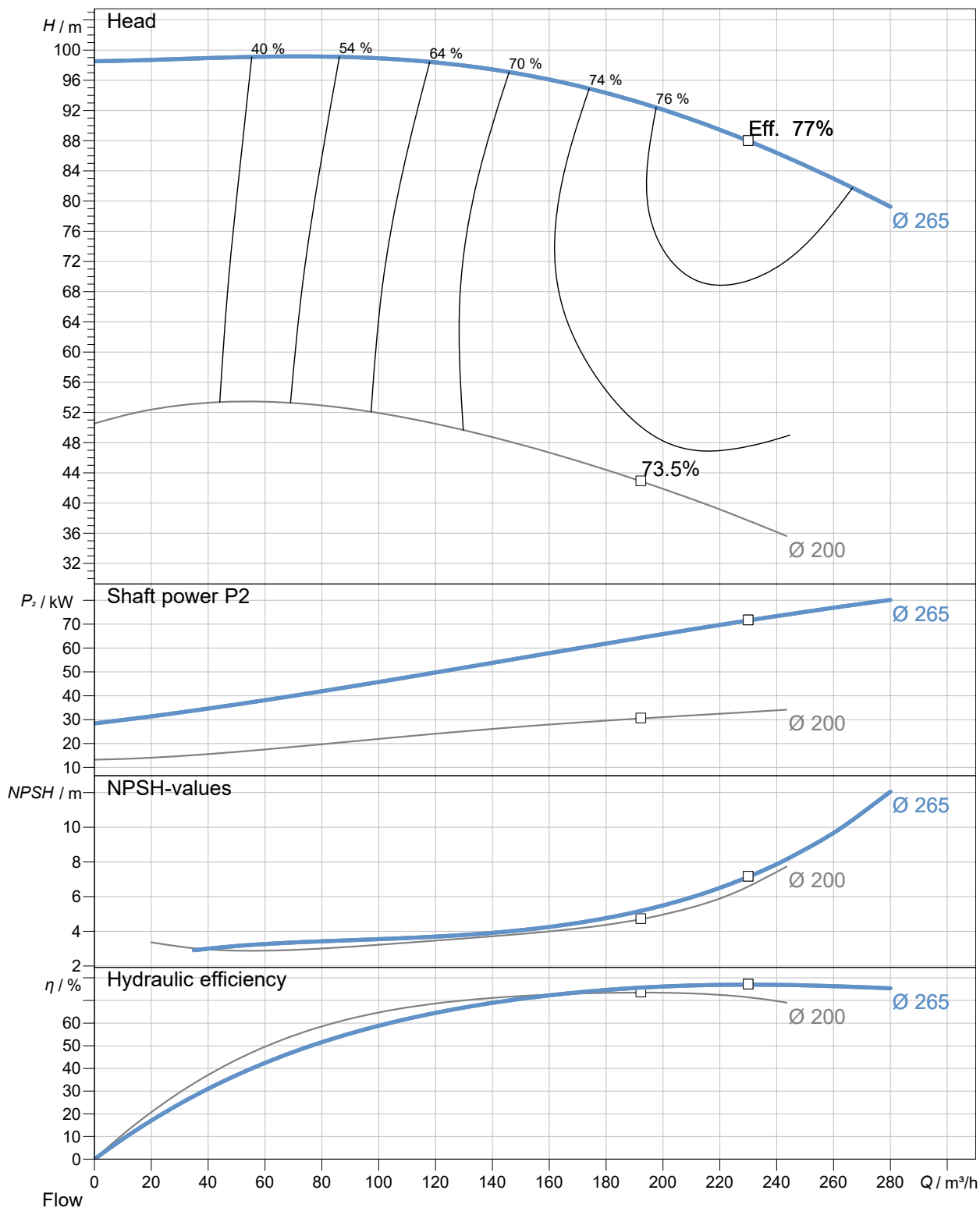
Speed
2900 1/min

Impeller Ø
225 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! Motor sizes > 200L only allowed for installation with vertical pedestal.

Power data referred to:

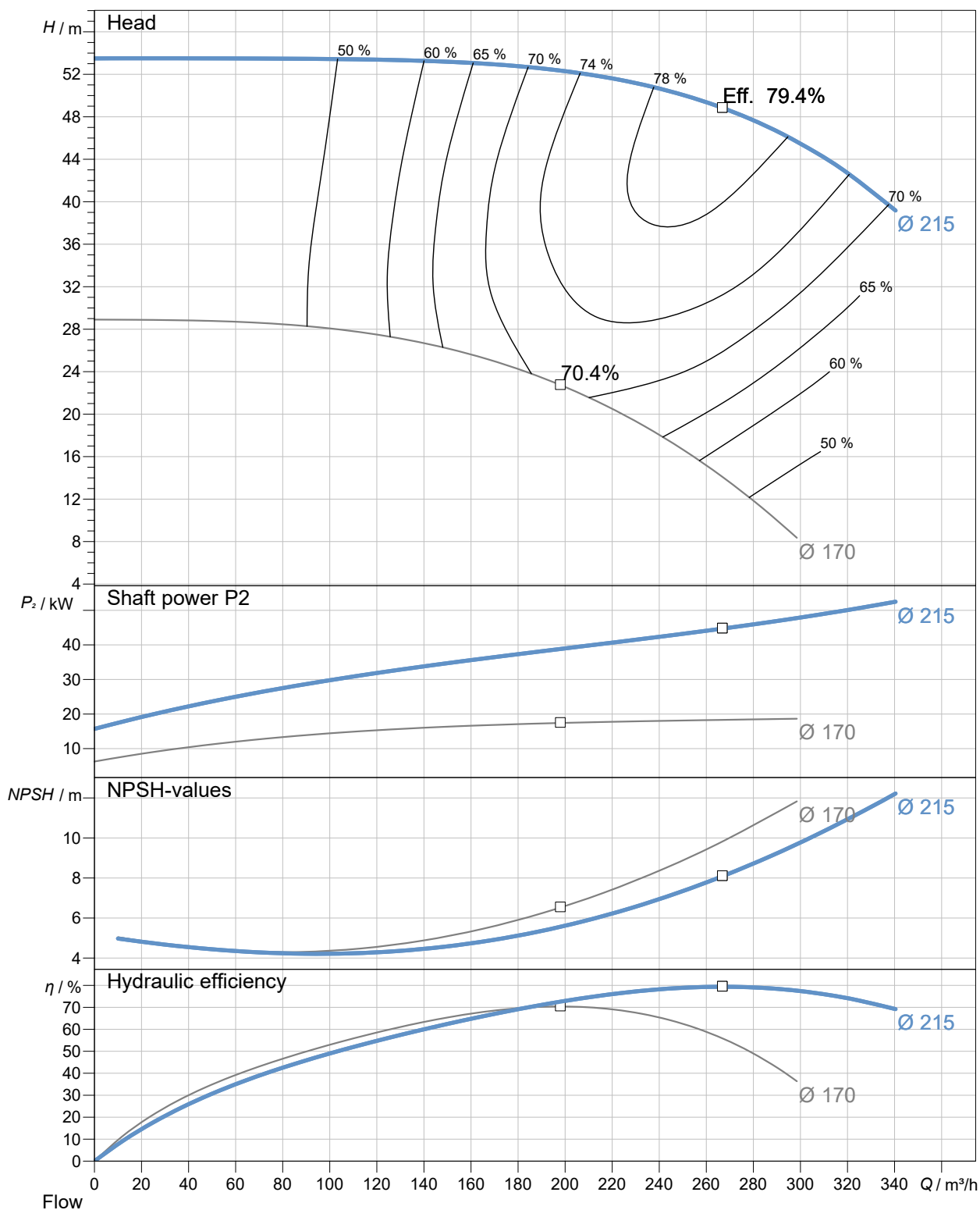
Water

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

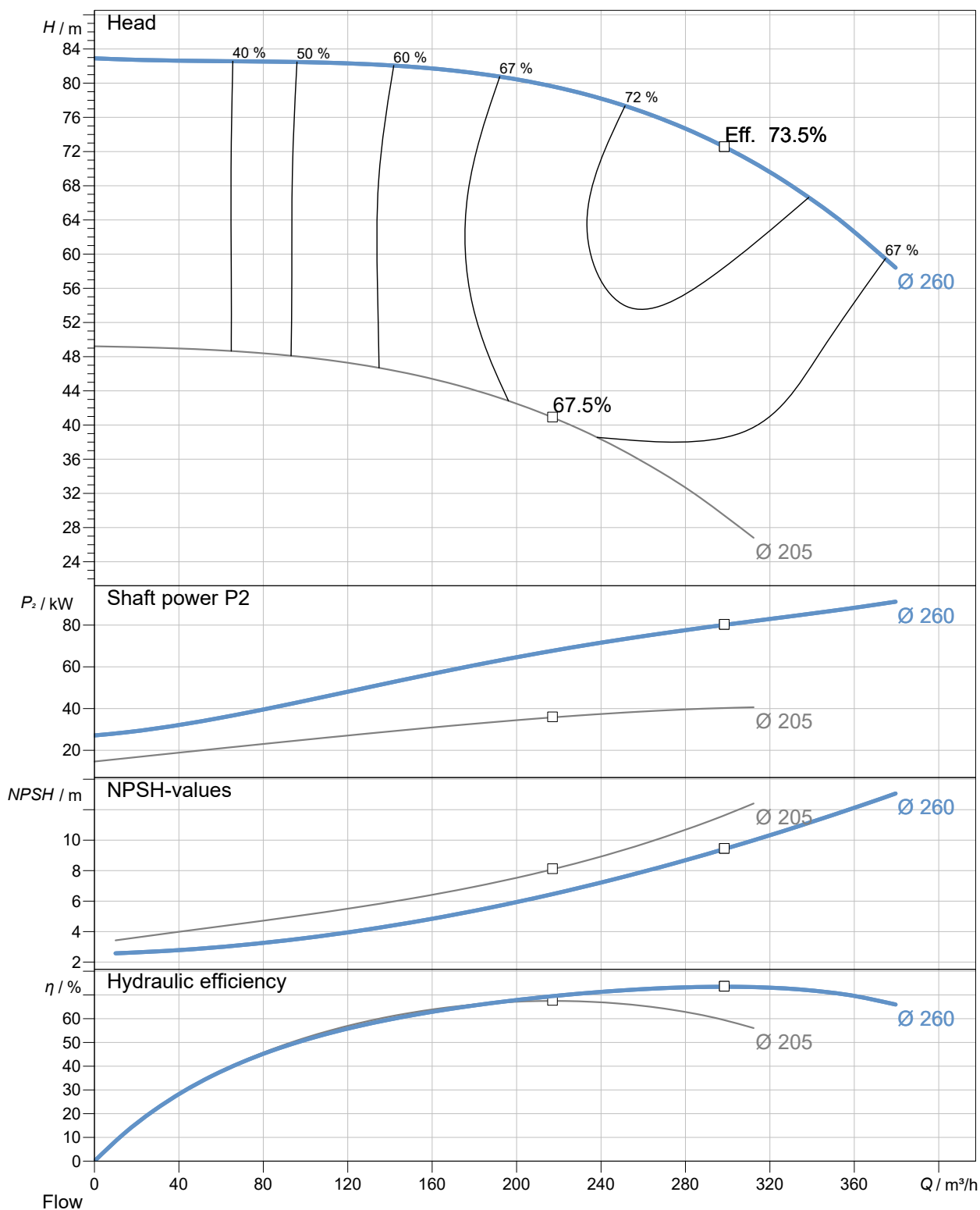
Speed
2900 1/min

Impeller Ø
215 mm

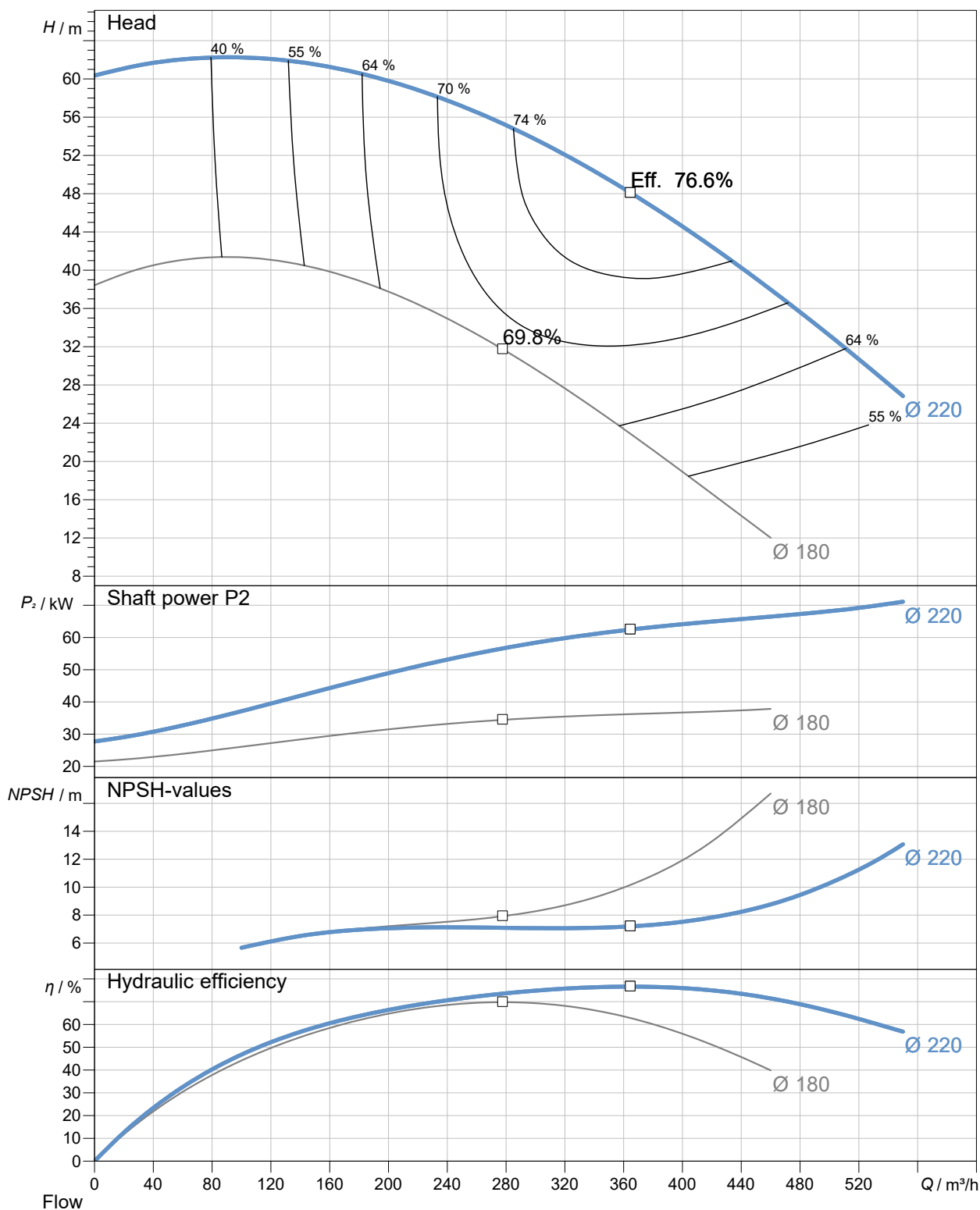
NPSH-value without safety margins



NPSH-value without safety margins



NPSH-value without safety margins



We reserve the right to make technical changes.

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