



water solutions

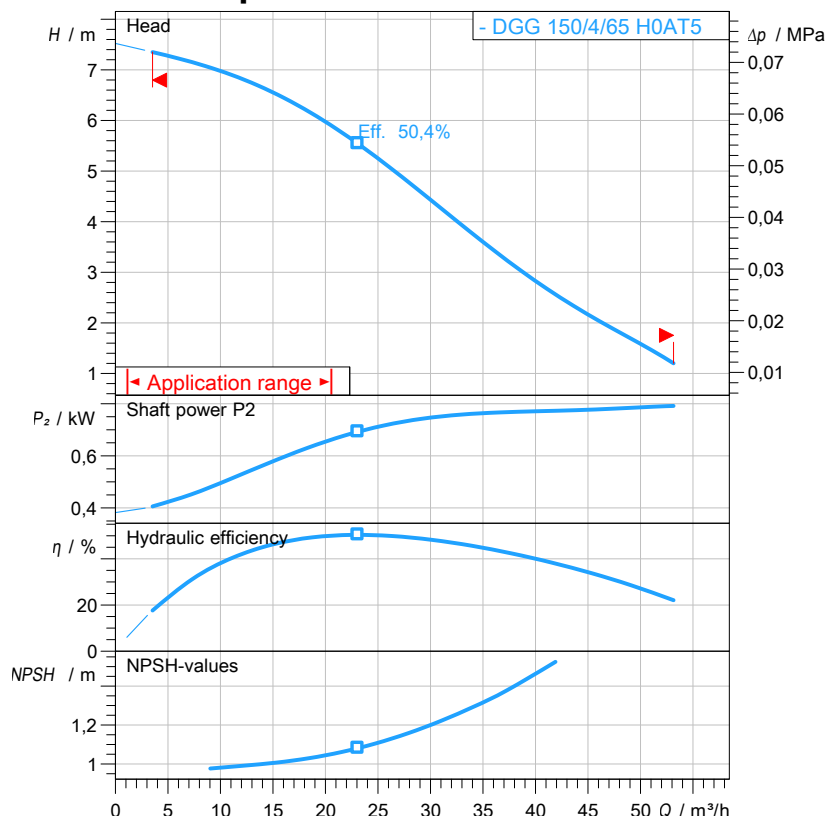
Data sheet

DGG 150/4/65 H0AT5

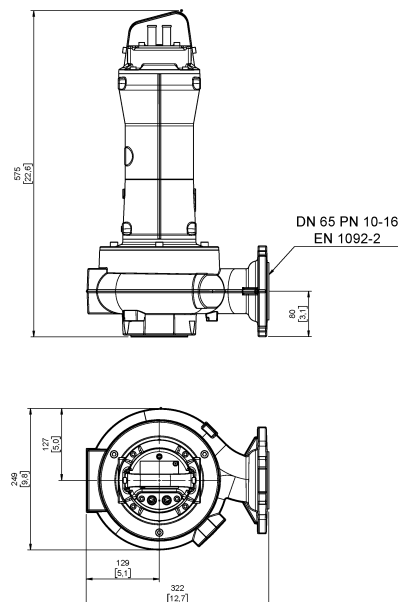
GREY
series

Technical specification

3~ 50 Hz



Characteristic curves according to UNI EN ISO 9906:2012
 $P_2 < 10 \text{ kW}$: paragraph 4.4.2
 $10 \text{ kW} < P_2 < 100 \text{ kW}$: Grade 3B
 $P_2 > 100 \text{ kW}$: Grade 2B

[mm
(inch)]

Pump

Series	GREY series
Pump name	DGG 150/4/65 H0AT5
Configuration	NGNAB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P_2	1,1 kW
Incoming power P_1	1,47 kW
Rated current	3,03 A
rpm	1380 1/min
Efficiency	75 %
$\cos \phi$	0,701
Rated torque	7,6 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DG (Set-back Vortex)
Free passage	45 mm
Impeller type	Set-back Vortex impeller
Max. hydraulic efficiency	50,4 %
Suction	DN 65 UNDRILLED
Discharge	DN 65 EN 1092-2
Curve tolerance	UNI EN ISO 9906:2012

Operating limits (standard pumps)

Max. ambient temperature	40 °C
Max. density treated liquid	1100 kg/m³
pH treated liquid	6 ÷ 14
Max. start per hour (equally distributed)	30
Wet/dry use	WET
Max. acoustic pressure level	70 dB
Operating mode	S1 - Continuous use

Construction materials

Case	Cast iron EN-GJL 250
Shaft	Stainless steel AISI 431
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting/Coating	Bi-epoxy 200 µm sea water resistant
Screws	Stainless steel - Class A2-70
Gaskets	NBR

Construction features

Cooling system	No cooling jacket
Main cable	4G1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	39 kg
Electrical variant	No electrical device equipped

* cable, stand and guiding system excluded



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Data sheet

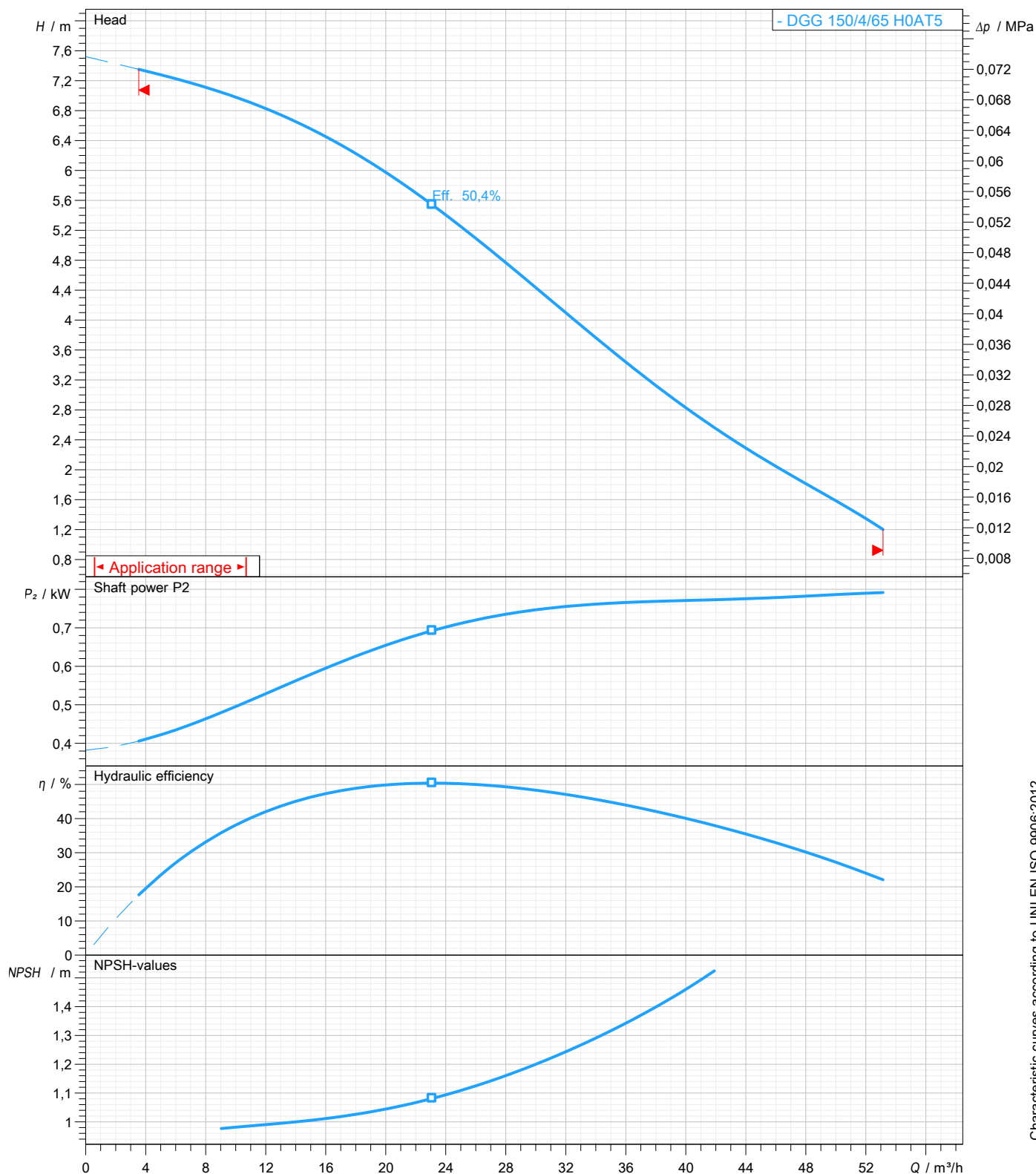
DGG 150/4/65 H0AT5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DG (Set-back Vortex)		Impeller type Set-back Vortex impeller	Free passage 45 mm	Discharge DN 65	Suction DN 65
DUTY POINT					
Flow	Head	Shaft power P2	Hydraulic efficiency	Density 998,3 kg/m ³	Viscosity 1,005 mm ² /s



Characteristic curves according to UNI EN ISO 9906:2012
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

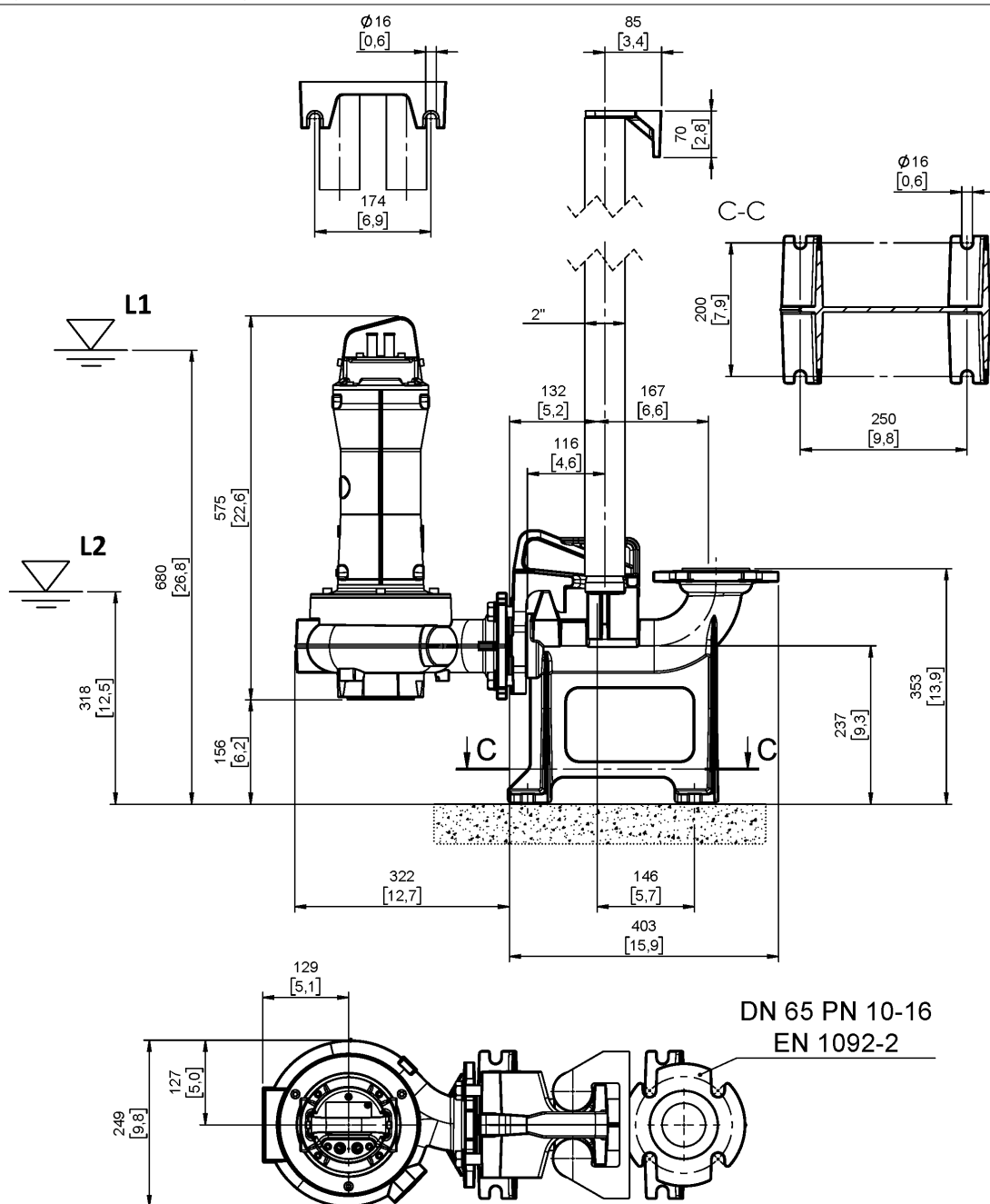


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Data sheet

DGG 150/4/65 H0AT5**GREY**
series**Dimensional drawing****3~ 50 Hz**

Installation type Installation with bottom coupling device - Vertical outlet		
Wet/dry use WET	Drilling variant N	Flushing valve - drilling -
Discharge DN 65 EN 1092-2	Suction: DN 65 UNDRILLED	Pressure rating (suction/discharge) -/PN 10
Accessory DAC 65/65V+KAF 116-2" EN (P)		Accessory code 9001.031
Note: Accessory must be ordered separately		

[mm
[inch]

L1: Minimum operating level for continuous use

L2: Minimum operating level for discontinuous use (only "WET" version)



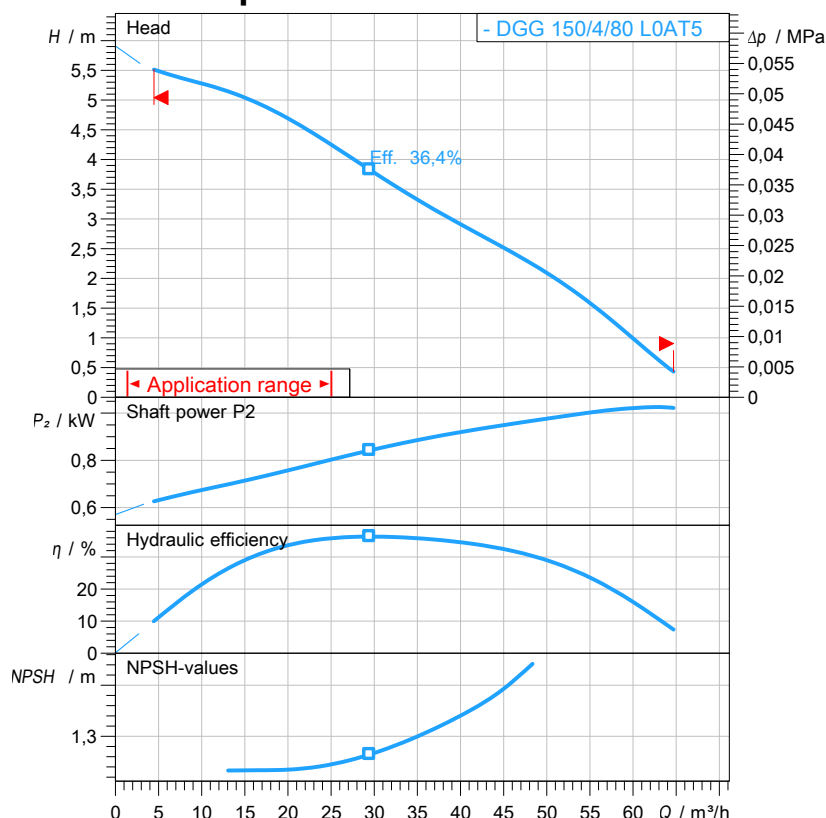
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Data sheet

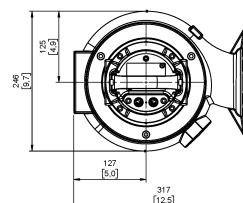
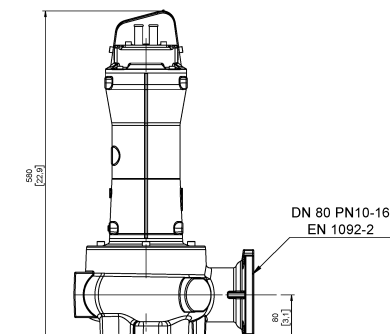
DGG 150/4/80 L0AT5

GREY
series

Technical specification

3~ 50 Hz


Characteristic curves according to UNI EN ISO 9906:2012
P2 < 10 kW: paragraph 4.4.2
10 kW < P2 < 100 kW: Grade 3B
P2 > 100 kW: Grade 2B

[mm
(inch)]

Pump

Series	GREY series
Pump name	DGG 150/4/80 L0AT5
Configuration	NGNAB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	1,1 kW
Incoming power P1	1,47 kW
Rated current	3,03 A
rpm	1380 1/min
Efficiency	75 %
cos φ	0,701
Rated torque	7,6 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DG (Set-back Vortex)
Free passage	60 mm
Impeller type	Set-back Vortex impeller
Max. hydraulic efficiency	36,4 %
Suction	DN 80 UNDRILLED
Discharge	DN 80 EN 1092-2
Curve tolerance	UNI EN ISO 9906:2012

Operating limits (standard pumps)

Max. ambient temperature	40 °C
Max. density treated liquid	1100 kg/m³
pH treated liquid	6 ÷ 14
Max. start per hour (equally distributed)	30
Wet/dry use	WET
Max. acoustic pressure level	70 dB
Operating mode	S1 - Continuous use

Construction materials

Case	Cast iron EN-GJL 250
Shaft	Stainless steel AISI 431
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting/Coating	Bi-epoxy 200 µm sea water resistant
Screws	Stainless steel - Class A2-70
Gaskets	NBR

Construction features

Cooling system	No cooling jacket
Main cable	4G1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	39 kg
Electrical variant	No electrical device equipped

* cable, stand and guiding system excluded



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Data sheet

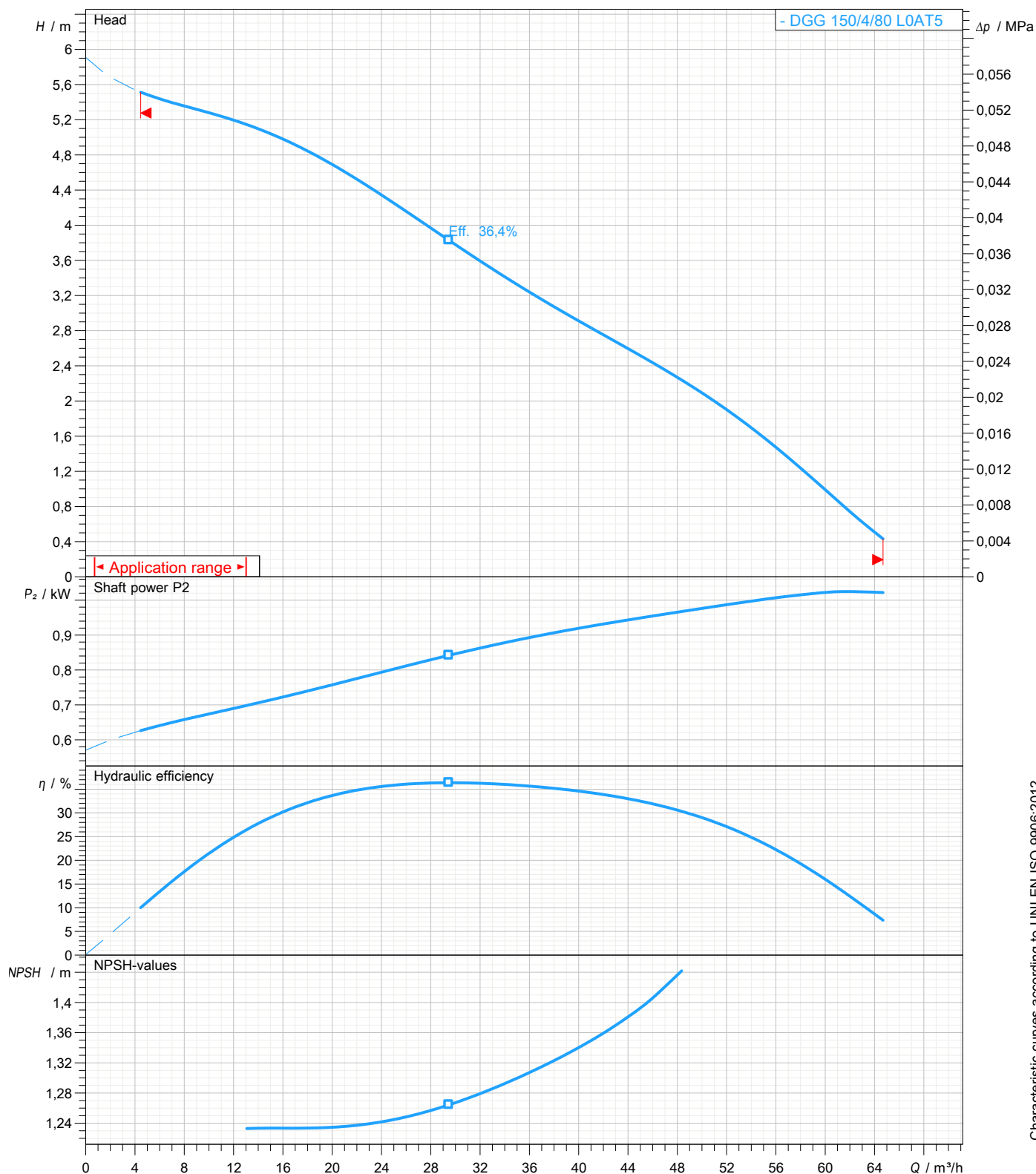
DGG 150/4/80 L0AT5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DG (Set-back Vortex)		Impeller type Set-back Vortex impeller	Free passage 60 mm	Discharge DN 80	Suction DN 80
DUTY POINT					
Flow	Head	Shaft power P2	Hydraulic efficiency	Density 998,3 kg/m ³	Viscosity 1,005 mm ² /s



Characteristic curves according to UNI EN ISO 9906:2012
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

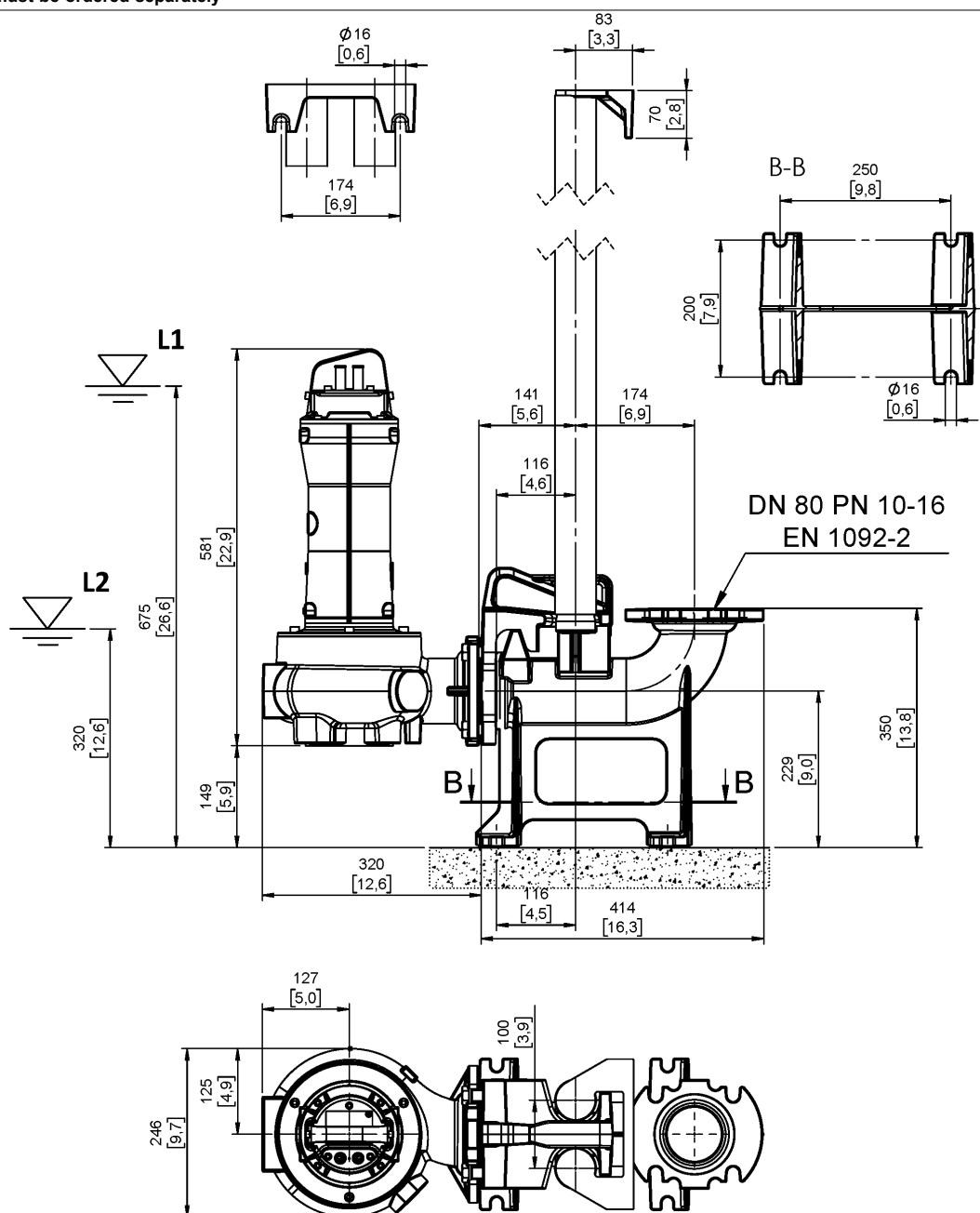


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Data sheet

DGG 150/4/80 L0AT5**GREY**
series**Dimensional drawing****3~ 50 Hz**

Installation type Installation with bottom coupling device - Vertical outlet		
Wet/dry use WET	Drilling variant N	Flushing valve - drilling -
Discharge DN 80 EN 1092-2	Suction: DN 80 UNDRILLED	Pressure rating (suction/discharge) -/PN 10
Accessory DAC 80/80V+KAF 116-2" EN (P)		Accessory code 9001.032
Note: Accessory must be ordered separately		

[mm
[inch]

L1: Minimum operating level for continuous use

L2: Minimum operating level for discontinuous use (only "WET" version)

All data shown are not binding. Zenit reserves the right to change data and dimensions without notice.

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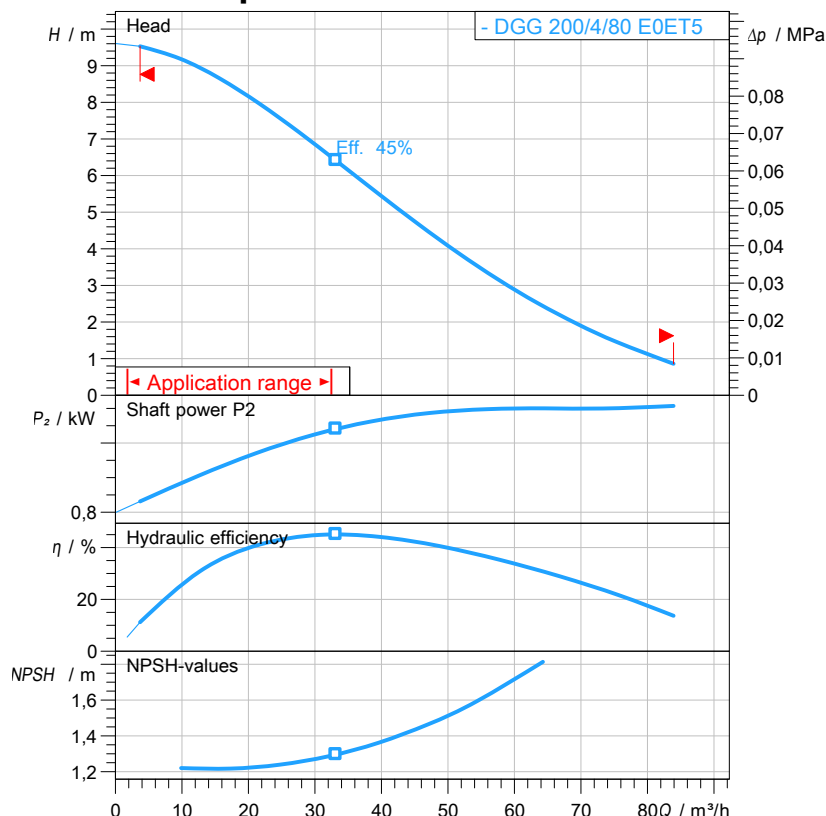
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Data sheet

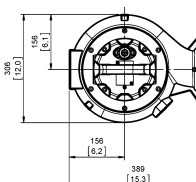
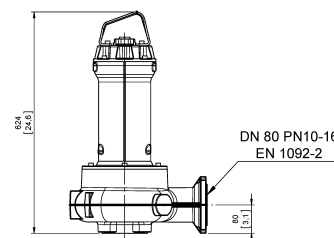
DGG 200/4/80 E0ET5

GREY
series

Technical specification

3~ 50 Hz


Characteristic curves according to UNI EN ISO 9906:2012
P2 < 10kW: paragraph 4.4.2
10kW < P2 < 100kW: Grade 3B
P2 > 100kW: Grade 2B

[mm
(inch)]

Pump

Series	GREY series
Pump name	DGG 200/4/80 E0ET5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	1,5 kW
Incoming power P1	1,84 kW
Rated current	3,4 A
rpm	1419 1/min
Efficiency	81,3 %
cos φ	0,784
Rated torque	10,1 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DG (Set-back Vortex)
Free passage	80 mm
Impeller type	Set-back Vortex impeller
Max. hydraulic efficiency	45,0 %
Suction	DN 80 UNDRILLED
Discharge	DN 80 EN 1092-2
Curve tolerance	UNI EN ISO 9906:2012

Operating limits (standard pumps)

Max. ambient temperature	40 °C
Max. density treated liquid	1100 kg/m³
pH treated liquid	6 ÷ 14
Max. start per hour (equally distributed)	30
Wet/dry use	WET
Max. acoustic pressure level	70 dB
Operating mode	S1 - Continuous use

Construction materials

Case	Cast iron EN-GJL 250
Shaft	Stainless steel AISI 431
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting/Coating	Bi-epoxy 200 µm sea water resistant
Screws	Stainless steel - Class A2-70
Gaskets	NBR

Construction features

Cooling system	No cooling jacket
Main cable	4G1,5 + 3x1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	55,2 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



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Data sheet

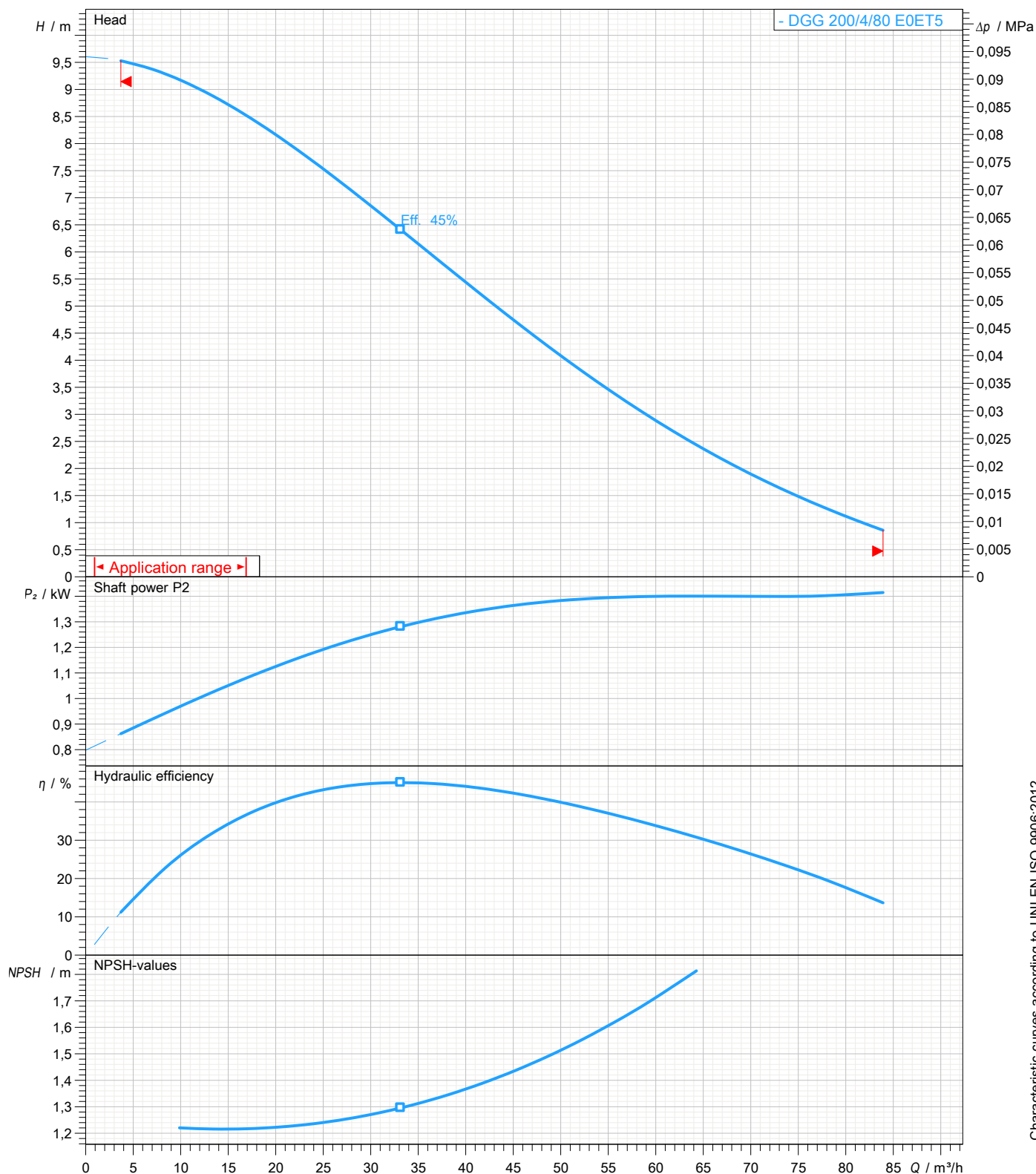
DGG 200/4/80 E0ET5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DG (Set-back Vortex)		Impeller type Set-back Vortex impeller	Free passage 80 mm	Discharge DN 80	Suction DN 80
DUTY POINT					
Flow	Head	Shaft power P2	Hydraulic efficiency	Density 998,3 kg/m ³	Viscosity 1,005 mm ² /s



Characteristic curves according to UNI EN ISO 9906:2012
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

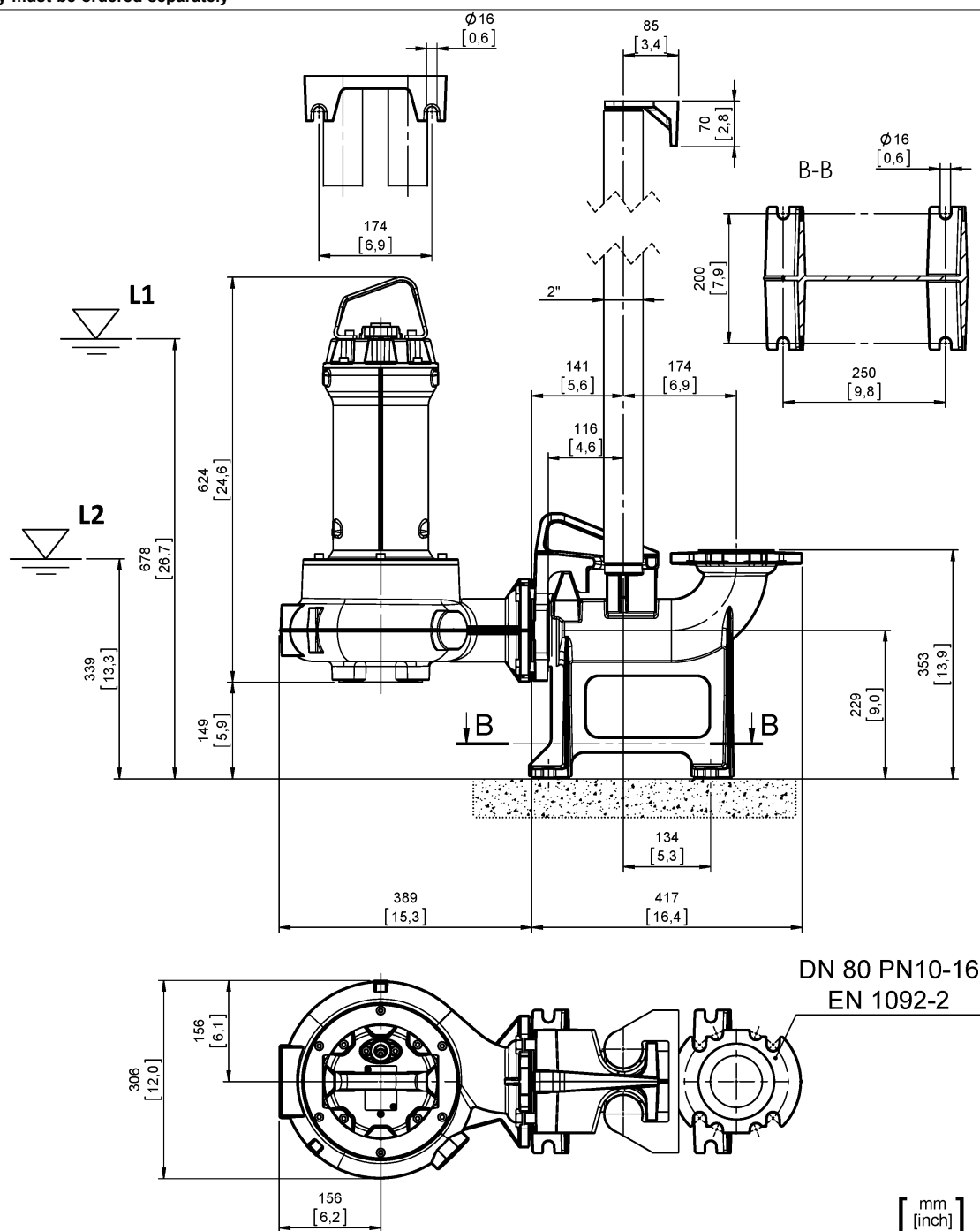


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Data sheet

DGG 200/4/80 E0ET5**GREY**
series**Dimensional drawing****3~ 50 Hz**

Installation type Installation with bottom coupling device - Vertical outlet		
Wet/dry use WET	Drilling variant N	Flushing valve - drilling -
Discharge DN 80 EN 1092-2	Suction: DN 80 UNDRILLED	Pressure rating (suction/discharge) -/PN 10
Accessory DAC 80/80V+KAF 116-2" EN (P)		Accessory code 9001.032
Note: Accessory must be ordered separately		



L1: Minimum operating level for continuous use

L2: Minimum operating level for discontinuous use (only "WET" version)

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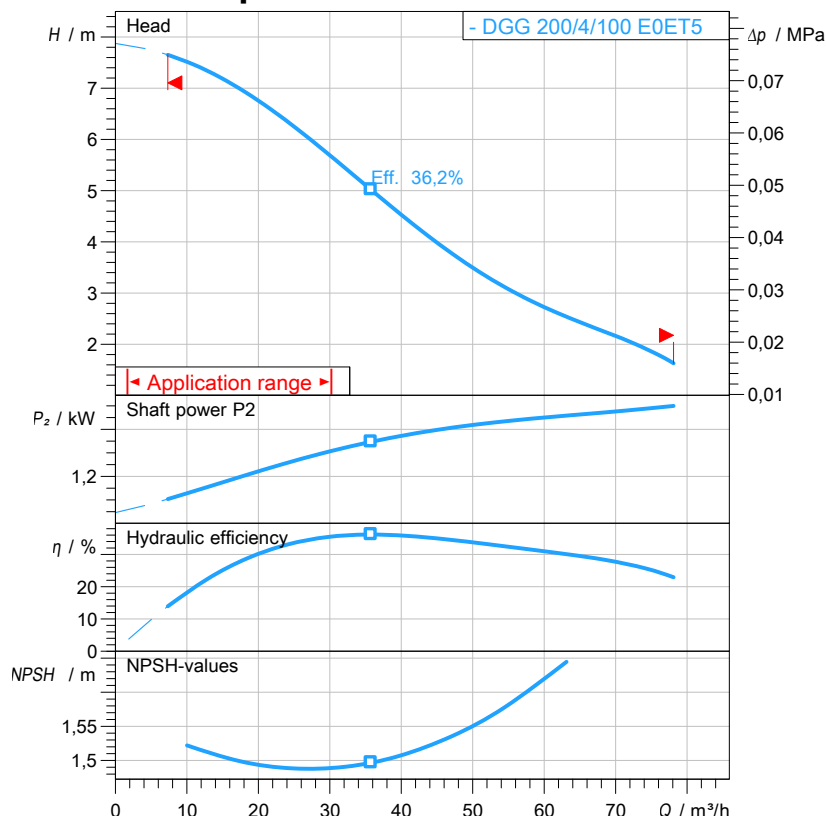
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Data sheet

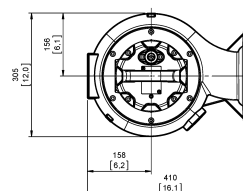
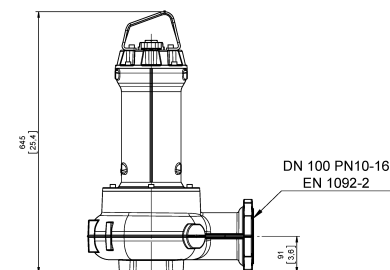
DGG 200/4/100 E0ET5

GREY
series

Technical specification

3~ 50 Hz


Characteristic curves according to UNI EN ISO 9906:2012
P2 < 10kW: paragraph 4.4.2
10kW < P2 < 100kW: Grade 3B
P2 > 100kW: Grade 2B



[mm (inch)]

Pump

Series	GREY series
Pump name	DGG 200/4/100 E0ET5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	1,5 kW
Incoming power P1	1,84 kW
Rated current	3,4 A
rpm	1419 1/min
Efficiency	81,3 %
cos φ	0,784
Rated torque	10,1 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DG (Set-back Vortex)
Free passage	100 mm
Impeller type	Set-back Vortex impeller
Max. hydraulic efficiency	36,2 %
Suction	DN 100 UNDRILLED
Discharge	DN 100 EN 1092-2
Curve tolerance	UNI EN ISO 9906:2012

Operating limits (standard pumps)

Max. ambient temperature	40 °C
Max. density treated liquid	1100 kg/m³
pH treated liquid	6 ÷ 14
Max. start per hour (equally distributed)	30
Wet/dry use	WET
Max. acoustic pressure level	70 dB
Operating mode	S1 - Continuous use

Construction materials

Case	Cast iron EN-GJL 250
Shaft	Stainless steel AISI 431
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting/Coating	Bi-epoxy 200 µm sea water resistant
Screws	Stainless steel - Class A2-70
Gaskets	NBR

Construction features

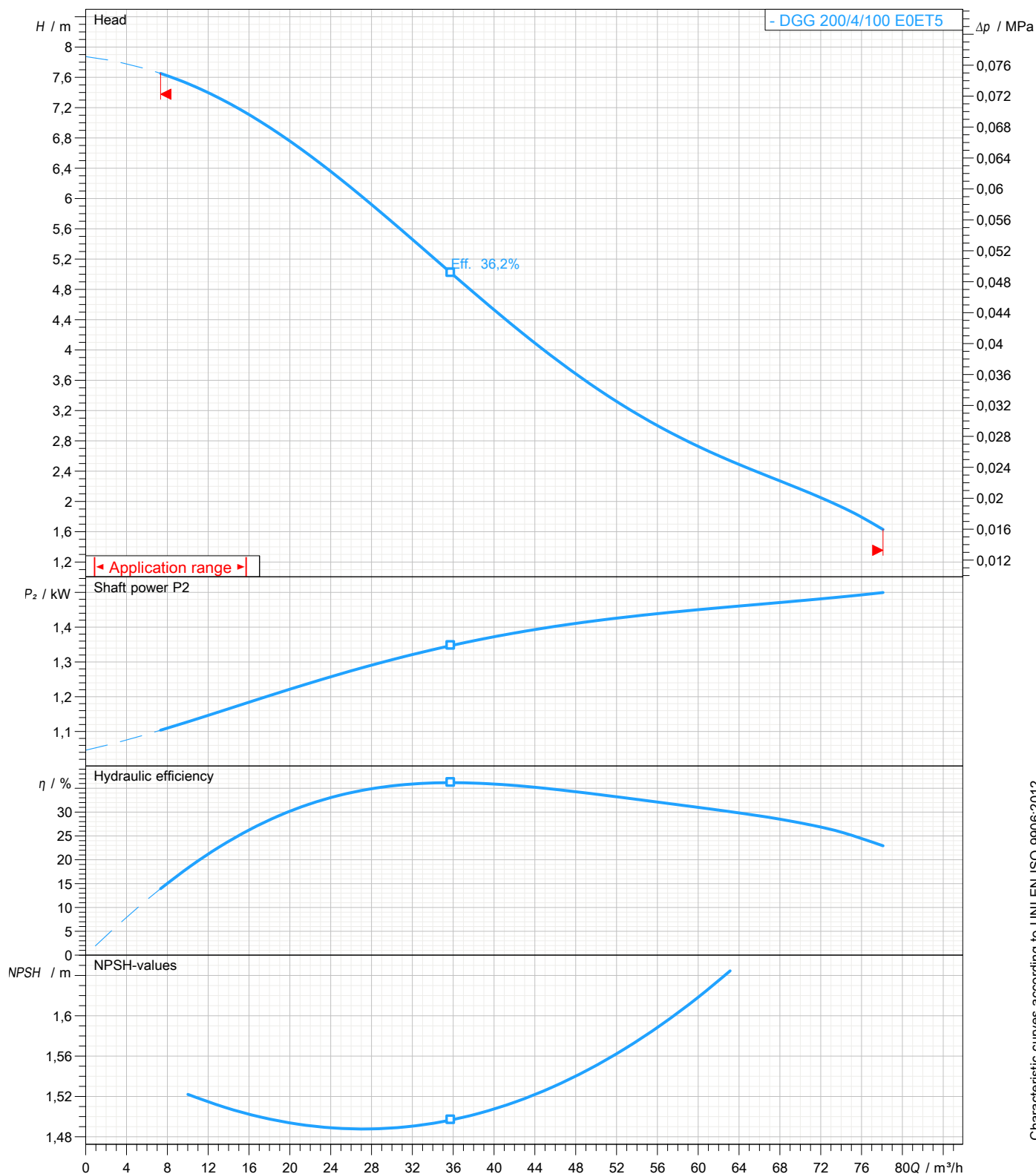
Cooling system	No cooling jacket
Main cable	4G1,5 + 3x1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	58,2 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded

Pump performance curves

3~ 50 Hz

Hydraulic type DG (Set-back Vortex)		Impeller type Set-back Vortex impeller		Free passage 100 mm	Discharge DN 100	Suction DN 100
DUTY POINT						
Flow	Head	Shaft power P2	Hydraulic efficiency	Density 998,3 kg/m³	Viscosity 1,005 mm²/s	



Characteristic curves according to UNI EN ISO 9906:2012
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B



water solutions

Data sheet

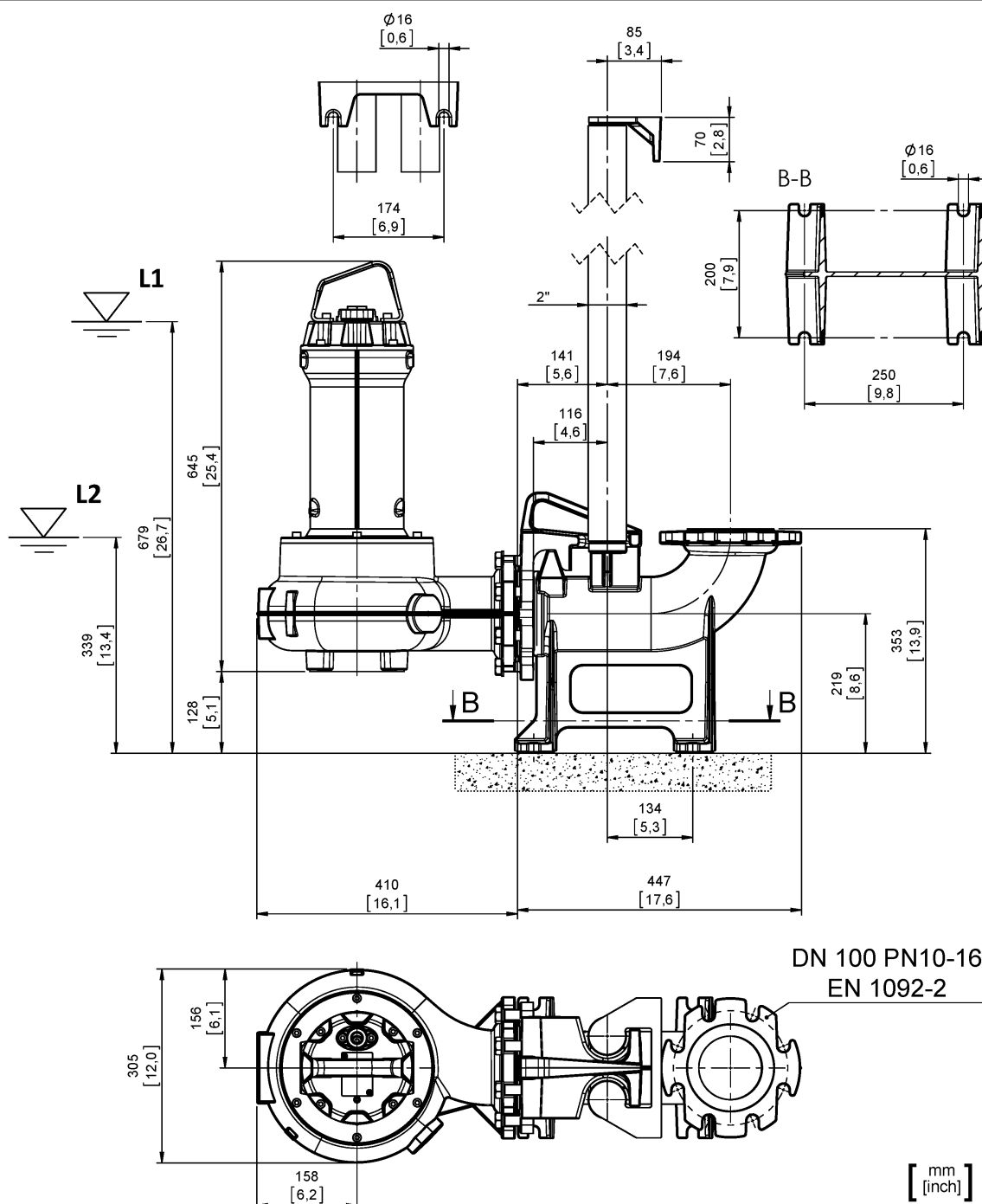
DGG 200/4/100 E0ET5

GREY
series

Dimensional drawing

3~ 50 Hz

Installation type Installation with bottom coupling device - Vertical outlet		
Wet/dry use WET	Drilling variant N	Flushing valve - drilling -
Discharge DN 100 EN 1092-2	Suction: DN 100 UNDRILLED	Pressure rating (suction/discharge) -/PN 10
Accessory DAC 100/100V+KAF 116-2" EN (P)		Accessory code 9001.033
Note: Accessory must be ordered separately		



L1: Minimum operating level for continuous use

L2: Minimum operating level for discontinuous use (only "WET" version)

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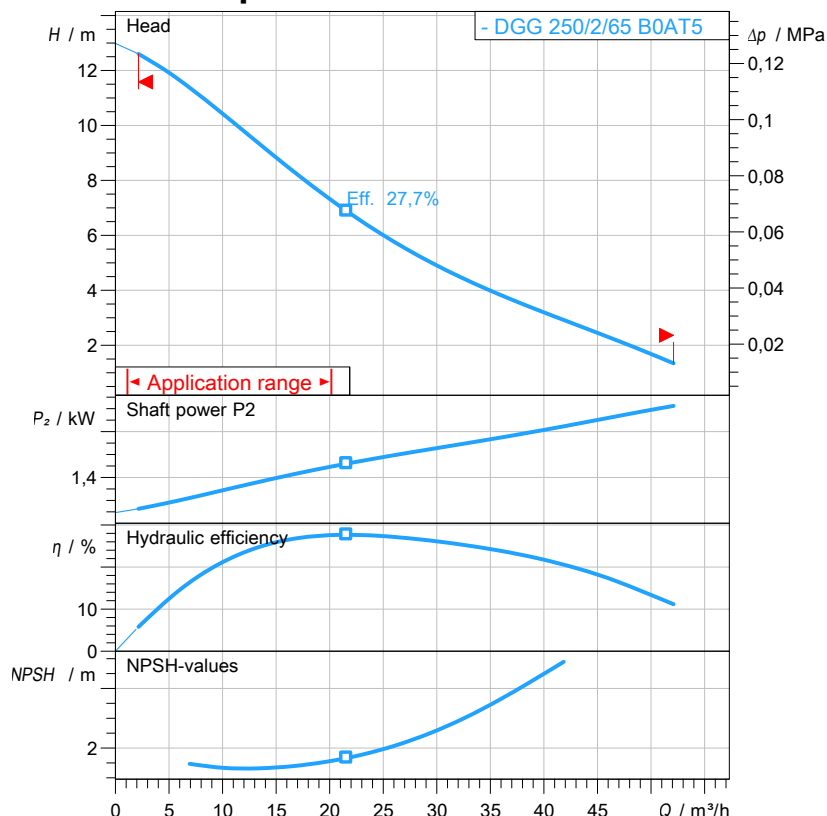
Data sheet

DGG 250/2/65 B0AT5

GREY
series

Technical specification

3~ 50 Hz

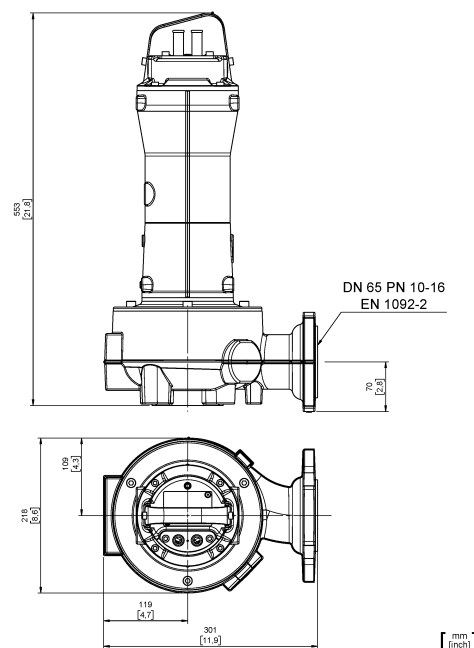


Characteristic curves according to UNI EN ISO 9906:2012

P2 < 10 kW: paragraph 4.4.2

10 kW < P2 < 100 kW: Grade 3B

P2 > 100 kW: Grade 2B



Pump

Series	GREY series
Pump name	DGG 250/2/65 B0AT5
Configuration	NGNAB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P2	1,8 kW
Incoming power P1	2,19 kW
Rated current	3,7 A
rpm	2794 1/min
Efficiency	82,3 %
cos φ	0,853
Rated torque	6,2 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DG (Set-back Vortex)
Free passage	65 mm
Impeller type	Set-back Vortex impeller
Max. hydraulic efficiency	27,7 %
Suction	DN 65 UNDRILLED
Discharge	DN 65 EN 1092-2
Curve tolerance	UNI EN ISO 9906:2012

Operating limits (standard pumps)

Max. ambient temperature	40 °C
Max. density treated liquid	1100 kg/m³
pH treated liquid	6 ÷ 14
Max. start per hour (equally distributed)	30
Wet/dry use	WET
Max. acoustic pressure level	70 dB
Operating mode	S1 - Continuous use

Construction materials

Case	Cast iron EN-GJL 250
Shaft	Stainless steel AISI 431
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting/Coating	Bi-epoxy 200 µm sea water resistant
Screws	Stainless steel - Class A2-70
Gaskets	NBR

Construction features

Cooling system	No cooling jacket
Main cable	4G1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	37 kg
Electrical variant	No electrical device equipped

* cable, stand and guiding system excluded



water solutions

Data sheet

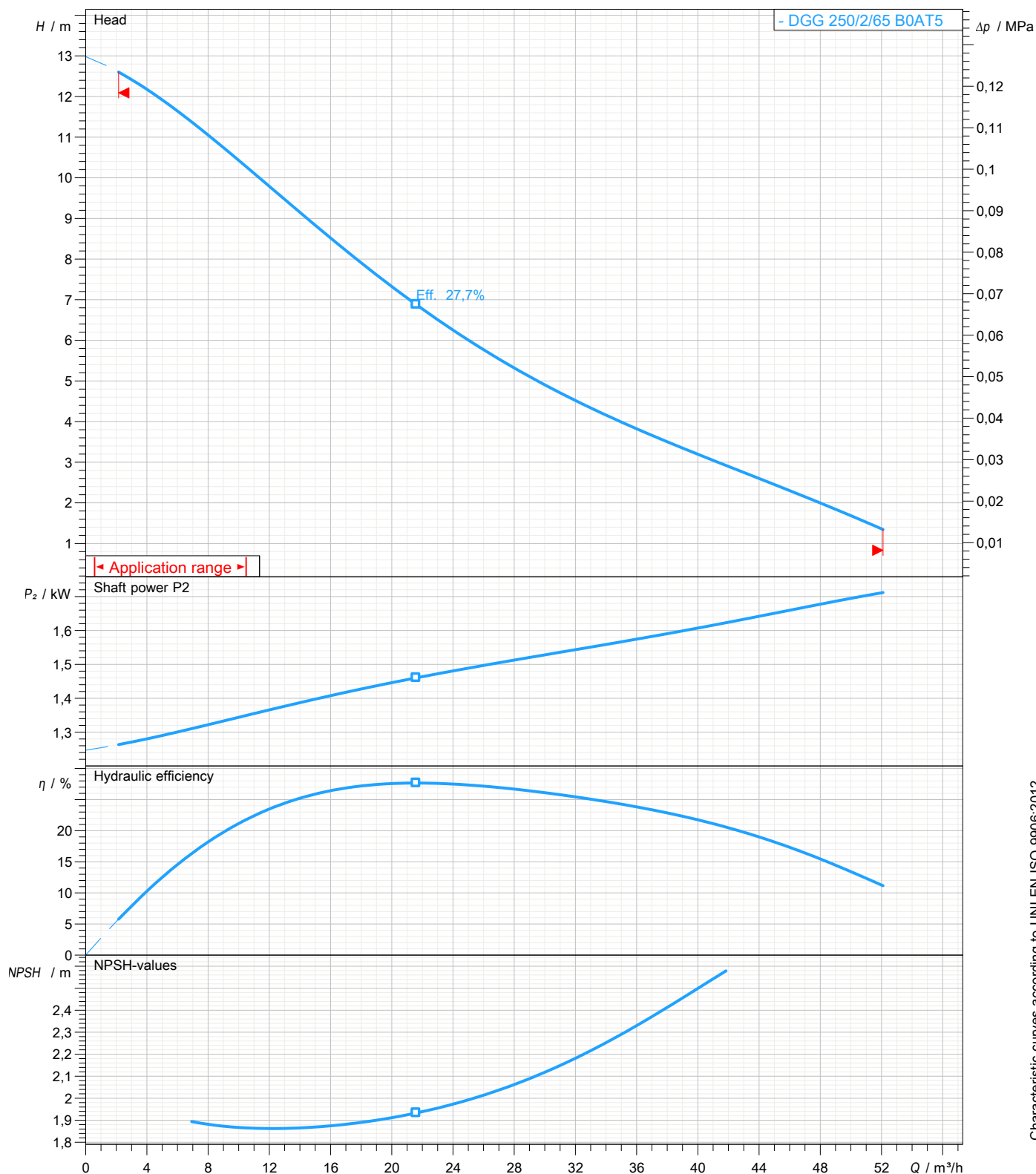
DGG 250/2/65 B0AT5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DG (Set-back Vortex)		Impeller type Set-back Vortex impeller	Free passage 65 mm	Discharge DN 65	Suction DN 65
DUTY POINT					
Flow	Head	Shaft power P2	Hydraulic efficiency	Density 998,3 kg/m ³	Viscosity 1,005 mm ² /s

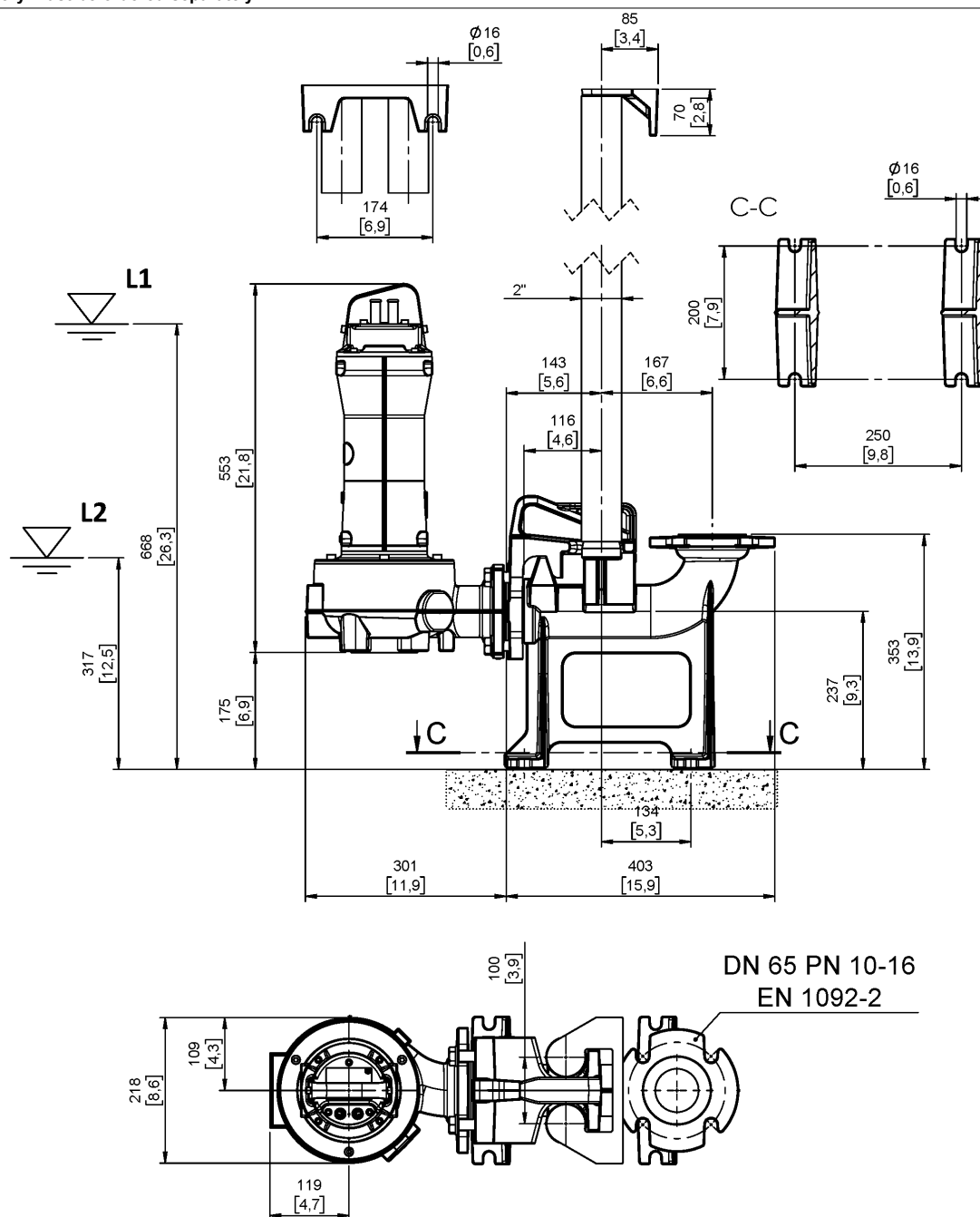


Characteristic curves according to UNI EN ISO 9906:2012
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

Dimensional drawing

3~ 50 Hz

Installation type Installation with bottom coupling device - Vertical outlet		
Wet/dry use WET	Drilling variant N	Flushing valve - drilling -
Discharge DN 65 EN 1092-2	Suction: DN 65 UNDRILLED	Pressure rating (suction/discharge) -/PN 10
Accessory DAC 65/65V+KAF 116-2" EN (P)		Accessory code 9001.031
Note: Accessory must be ordered separately		

[mm]
[inch]

L1: Minimum operating level for continuous use

L2: Minimum operating level for discontinuous use (only "WET" version)



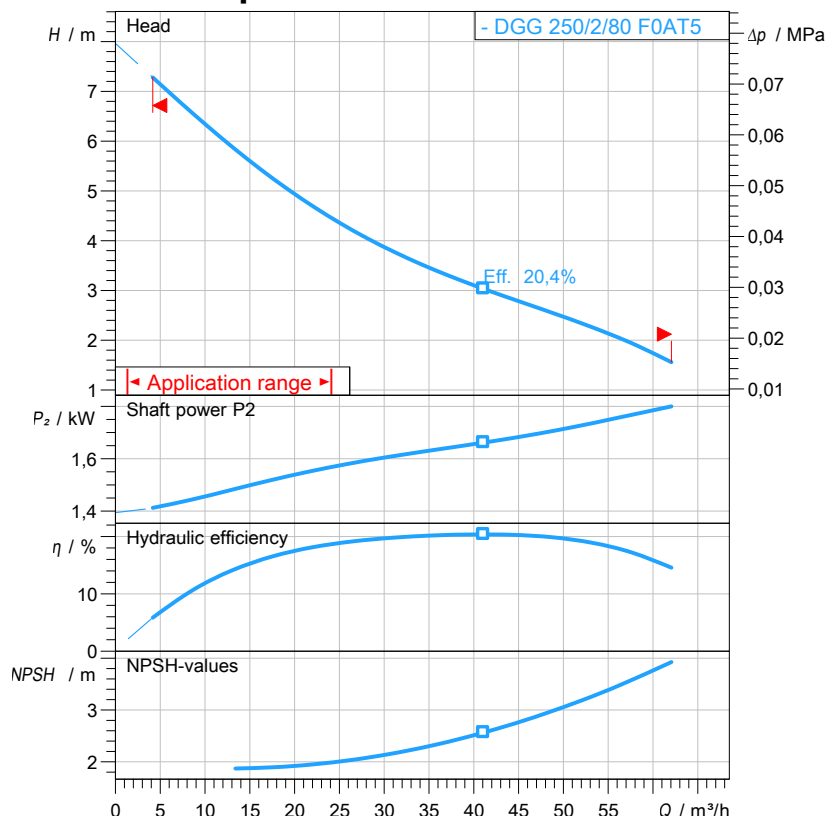
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Data sheet

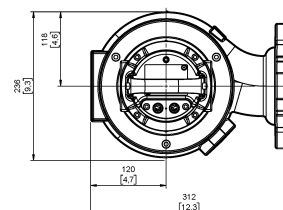
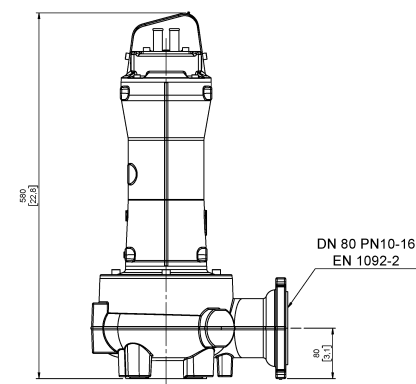
DGG 250/2/80 F0AT5

GREY
series

Technical specification

3~ 50 Hz


Characteristic curves according to UNI EN ISO 9906:2012
P2 < 10kW: paragraph 4.4.2
10kW < P2 < 100kW: Grade 3B
P2 > 100kW: Grade 2B



[mm (inch)]

Pump

Series	GREY series
Pump name	DGG 250/2/80 F0AT5
Configuration	NGNAB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P2	1,8 kW
Incoming power P1	2,19 kW
Rated current	3,7 A
rpm	2794 1/min
Efficiency	82,3 %
cos φ	0,853
Rated torque	6,2 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DG (Set-back Vortex)
Free passage	80 mm
Impeller type	Set-back Vortex impeller
Max. hydraulic efficiency	20,4 %
Suction	DN 80 UNDRILLED
Discharge	DN 80 EN 1092-2
Curve tolerance	UNI EN ISO 9906:2012

Operating limits (standard pumps)

Max. ambient temperature	40 °C
Max. density treated liquid	1100 kg/m³
pH treated liquid	6 ÷ 14
Max. start per hour (equally distributed)	30
Wet/dry use	WET
Max. acoustic pressure level	70 dB
Operating mode	S1 - Continuous use

Construction materials

Case	Cast iron EN-GJL 250
Shaft	Stainless steel AISI 431
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting/Coating	Bi-epoxy 200 µm sea water resistant
Screws	Stainless steel - Class A2-70
Gaskets	NBR

Construction features

Cooling system	No cooling jacket
Main cable	4G1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	35 kg
Electrical variant	No electrical device equipped

* cable, stand and guiding system excluded



water solutions

Data sheet

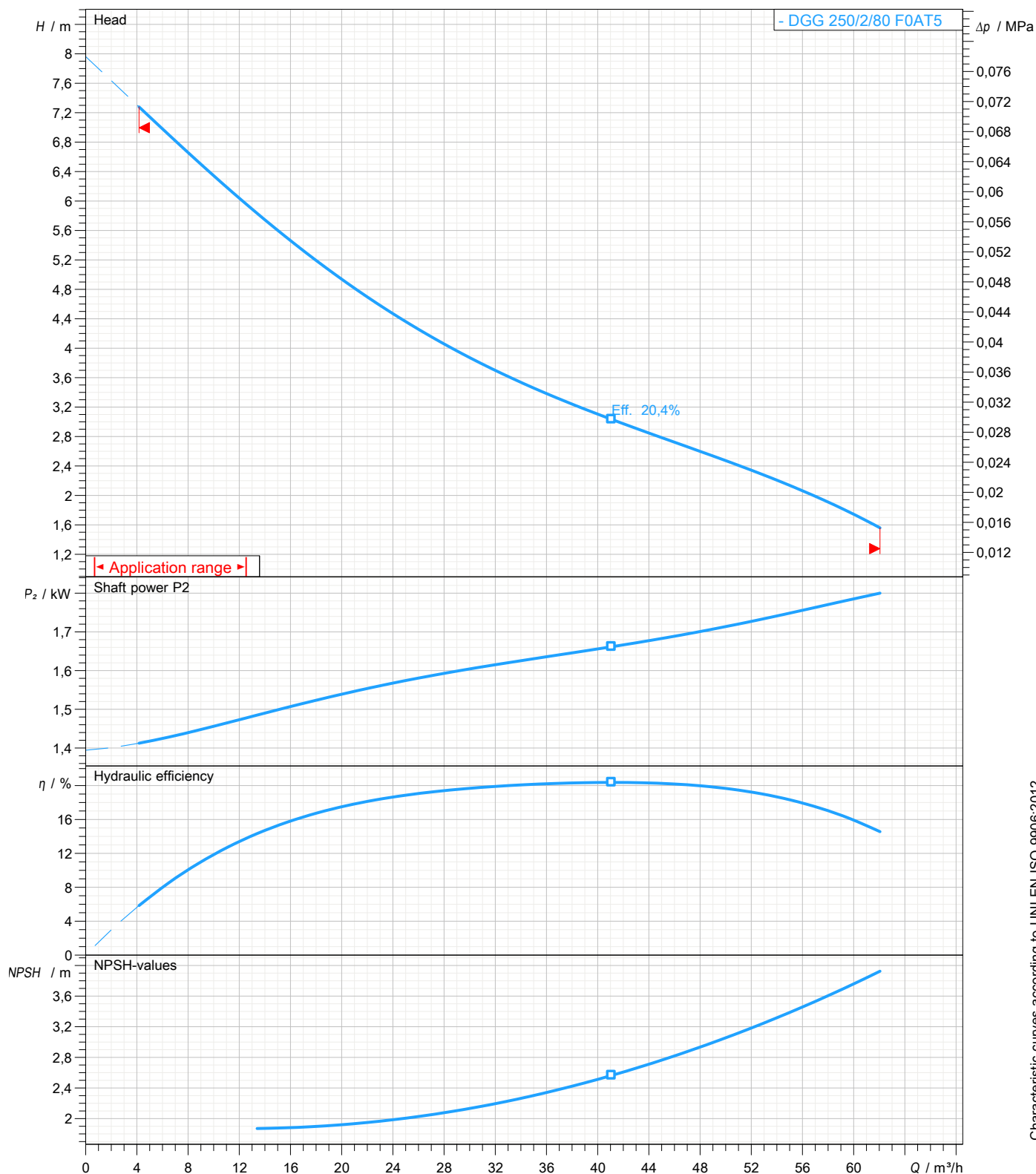
DGG 250/2/80 F0AT5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DG (Set-back Vortex)		Impeller type Set-back Vortex impeller	Free passage 80 mm	Discharge DN 80	Suction DN 80
DUTY POINT					
Flow	Head	Shaft power P₂	Hydraulic efficiency	Density 998,3 kg/m ³	Viscosity 1,005 mm ² /s



Characteristic curves according to UNI EN ISO 9906:2012
P₂<10kW: paragraph 4.4.2
10kW<P₂<100kW: Grade 3B
P₂>100kW: Grade 2B



water solutions

Data sheet

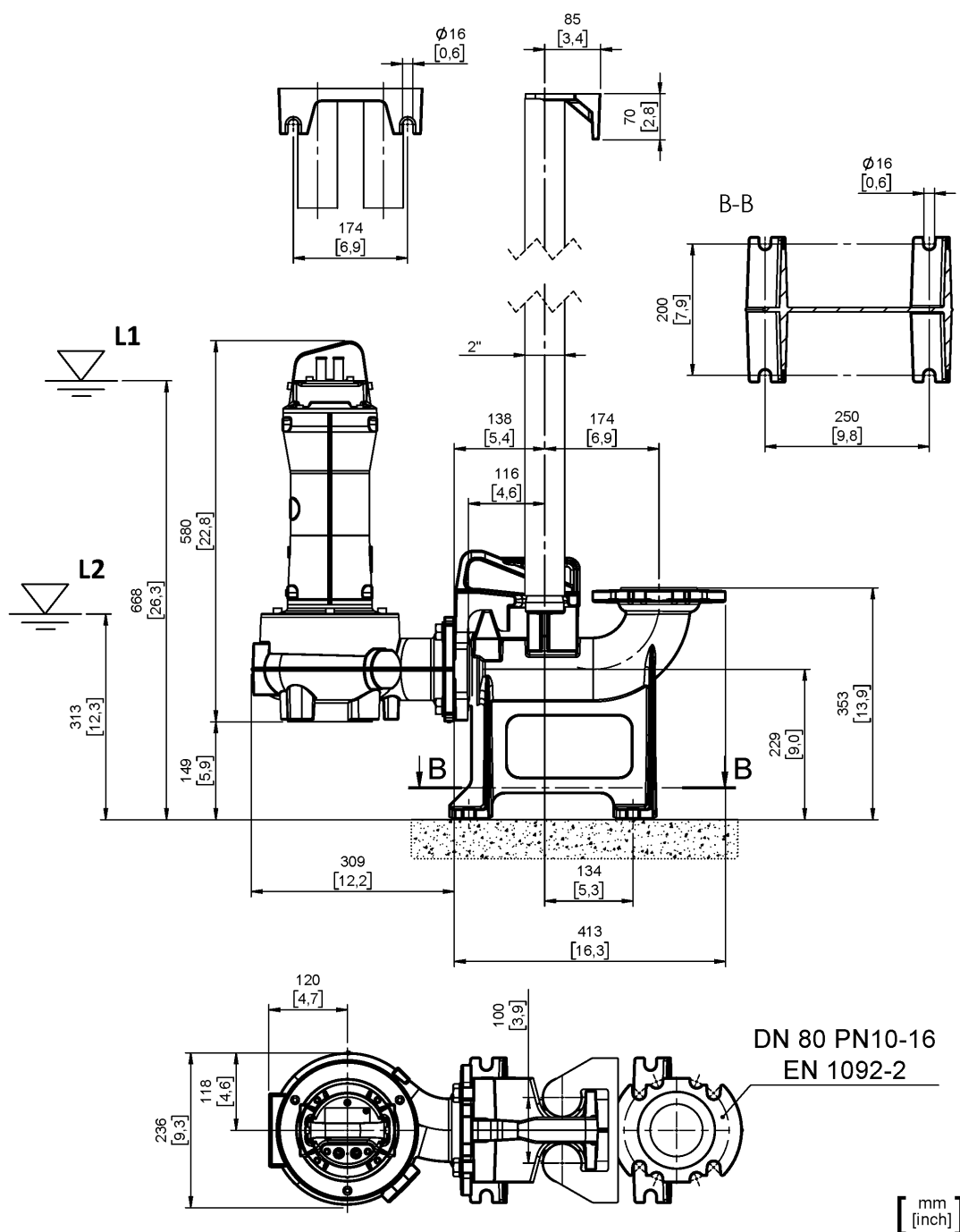
DGG 250/2/80 F0AT5

GREY
series

Dimensional drawing

3~ 50 Hz

Installation type Installation with bottom coupling device - Vertical outlet		
Wet/dry use WET	Drilling variant N	Flushing valve - drilling -
Discharge DN 80 EN 1092-2	Suction: DN 80 UNDRILLED	Pressure rating (suction/discharge) -/PN 10
Accessory DAC 80/80V+KAF 116-2" EN (P)		Accessory code 9001.032
Note: Accessory must be ordered separately		



L1: Minimum operating level for continuous use

L2: Minimum operating level for discontinuous use (only "WET" version)

All data shown are not binding. Zenit reserves the right to change data and dimensions without notice.

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water solutions

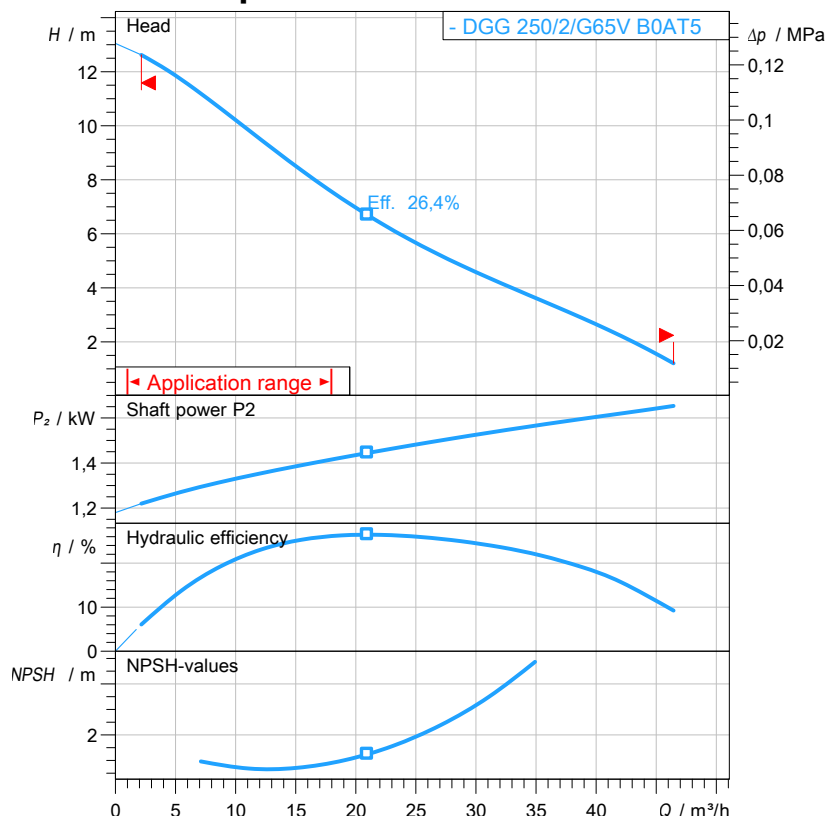
Data sheet

DGG 250/2/G65V B0AT5

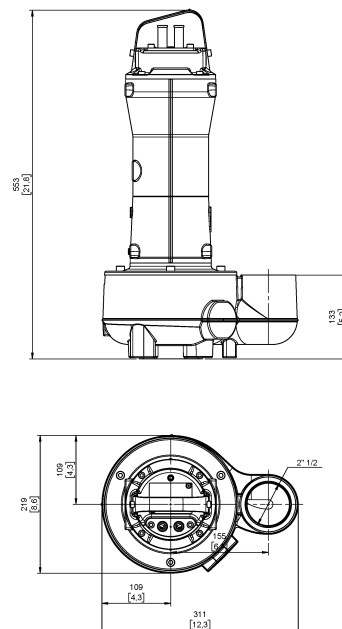
GREY
series

Technical specification

3~ 50 Hz



Characteristic curves according to UNI EN ISO 9906:2012
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

[mm
(inch)]

Pump

Series	GREY series
Pump name	DGG 250/2/G65V B0AT5
Configuration	NGNAB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P2	1,8 kW
Incoming power P1	2,19 kW
Rated current	3,7 A
rpm	2794 1/min
Efficiency	82,3 %
cos φ	0,853
Rated torque	6,2 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DG (Set-back Vortex)
Free passage	65 mm
Impeller type	Set-back Vortex impeller
Max. hydraulic efficiency	26,4 %
Suction	DN 65 UNDRILLED
Discharge	G 2" 1/2 -
Curve tolerance	UNI EN ISO 9906:2012

Operating limits (standard pumps)

Max. ambient temperature	40 °C
Max. density treated liquid	1100 kg/m³
pH treated liquid	6 ÷ 14
Max. start per hour (equally distributed)	30
Wet/dry use	WET
Max. acoustic pressure level	70 dB
Operating mode	S1 - Continuous use

Construction materials

Case	Cast iron EN-GJL 250
Shaft	Stainless steel AISI 431
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting/Coating	Bi-epoxy 200 µm sea water resistant
Screws	Stainless steel - Class A2-70
Gaskets	NBR

Construction features

Cooling system	No cooling jacket
Main cable	4G1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	35 kg
Electrical variant	No electrical device equipped

* cable, stand and guiding system excluded

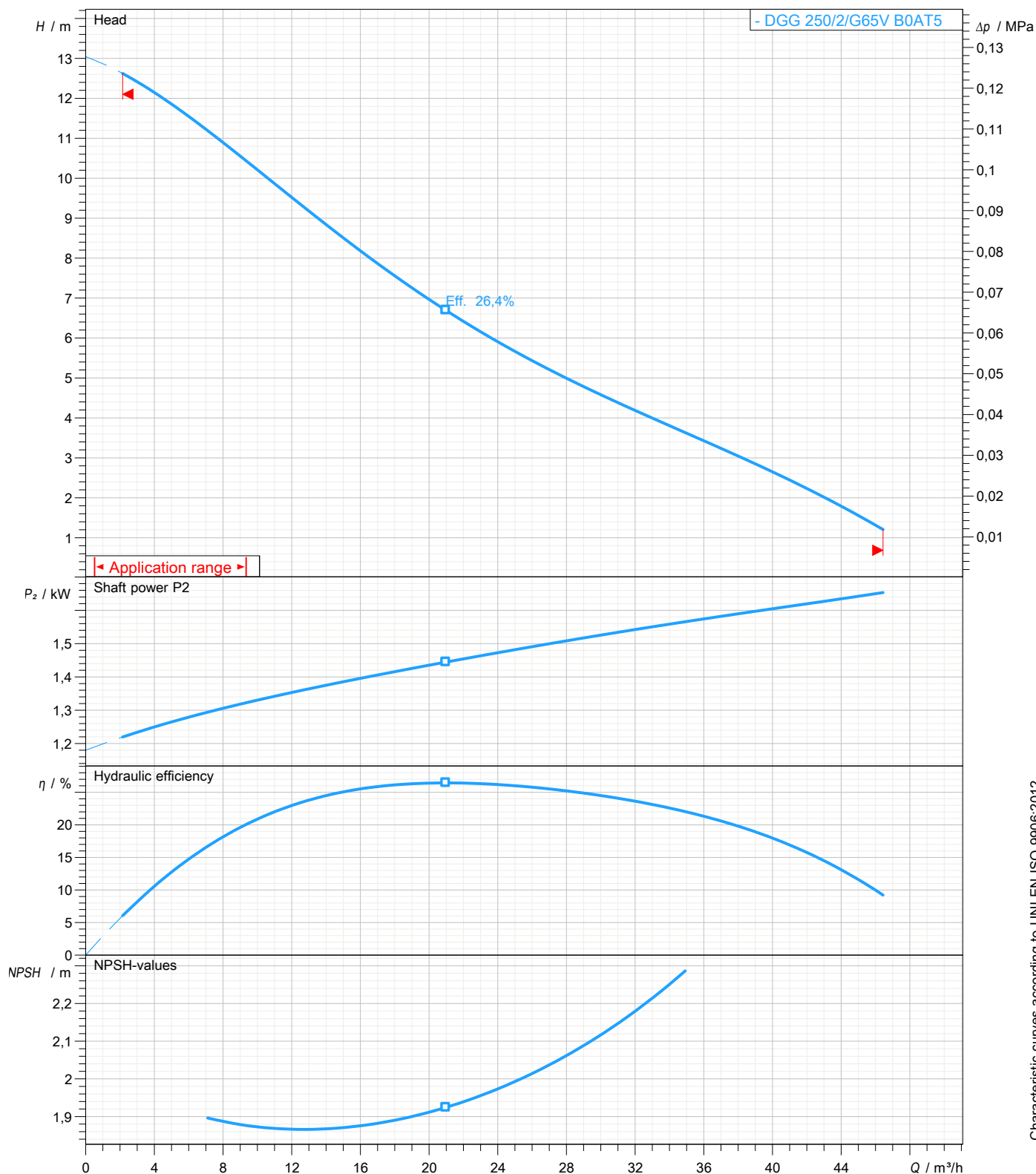


water solutions

Data sheet

DGG 250/2/G65V B0AT5**GREY**
series**Pump performance curves****3~ 50 Hz**

Hydraulic type DG (Set-back Vortex)		Impeller type Set-back Vortex impeller	Free passage 65 mm	Discharge G 2" 1/2	Suction DN 65
DUTY POINT					
Flow	Head	Shaft power P₂	Hydraulic efficiency	Density 998,3 kg/m ³	Viscosity 1,005 mm ² /s



Characteristic curves according to UNI EN ISO 9906:2012
P₂ < 10 kW: paragraph 4.4.2
10 kW < P₂ < 100 kW: Grade 3B
P₂ > 100 kW: Grade 2B

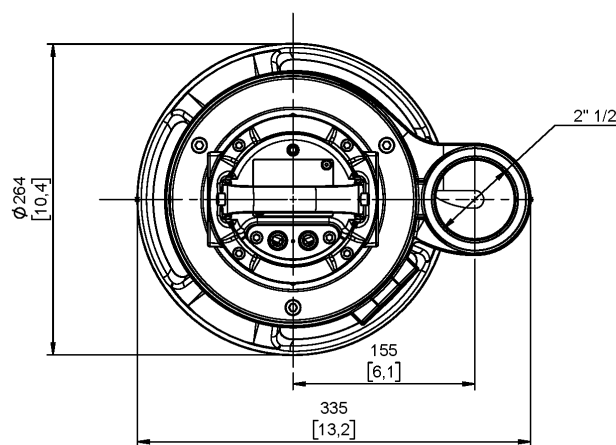
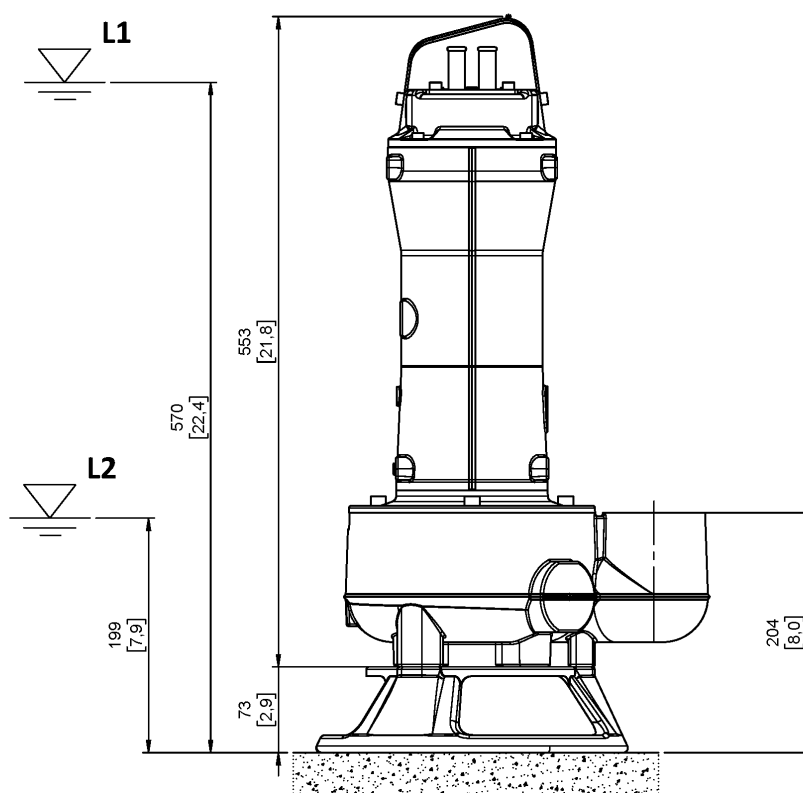


water solutions

Data sheet

DGG 250/2/G65V B0AT5**GREY**
series**Dimensional drawing****3~ 50 Hz**

Installation type Installation with base plate		
Wet/dry use WET	Drilling variant N	Flushing valve - drilling -
Discharge G 2" 1/2 -	Suction: DN 65 UNDRILLED	Pressure rating (suction/discharge) -
Accessory KBS 3F I184 (S)		Accessory code 9024.006
Note: Accessory must be ordered separately		

[mm
[inch]

L1: Minimum operating level for continuous use

L2: Minimum operating level for discontinuous use (only "WET" version)



water solutions

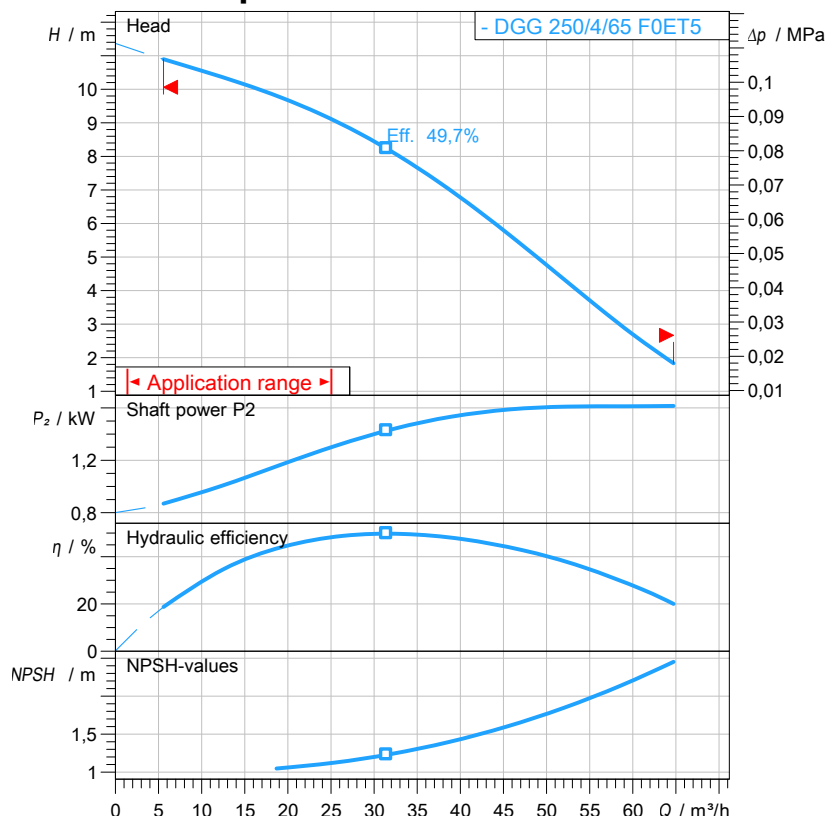
Data sheet

DGG 250/4/65 F0ET5

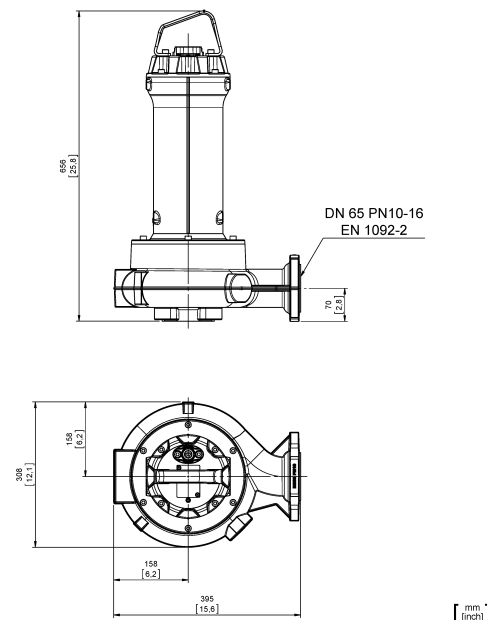
GREY
series

Technical specification

3~ 50 Hz



Characteristic curves according to UNI EN ISO 9906:2012
P2 < 10 kW: paragraph 4.4.2
10 kW < P2 < 100 kW: Grade 3B
P2 > 100 kW: Grade 2B



[mm (inch)]

Pump

Series	GREY series
Pump name	DGG 250/4/65 F0ET5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	1,8 kW
Incoming power P1	2,22 kW
Rated current	4,3 A
rpm	1421 1/min
Efficiency	81,2 %
cos φ	0,744
Rated torque	12,1 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DG (Set-back Vortex)
Free passage	65 mm
Impeller type	Set-back Vortex impeller
Max. hydraulic efficiency	49,7 %
Suction	DN 65 UNDRILLED
Discharge	DN 65 EN 1092-2
Curve tolerance	UNI EN ISO 9906:2012

Operating limits (standard pumps)

Max. ambient temperature	40 °C
Max. density treated liquid	1100 kg/m³
pH treated liquid	6 ÷ 14
Max. start per hour (equally distributed)	30
Wet/dry use	WET
Max. acoustic pressure level	70 dB
Operating mode	S1 - Continuous use

Construction materials

Case	Cast iron EN-GJL 250
Shaft	Stainless steel AISI 431
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting/Coating	Bi-epoxy 200 µm sea water resistant
Screws	Stainless steel - Class A2-70
Gaskets	NBR

Construction features

Cooling system	No cooling jacket
Main cable	4G1,5 + 3x1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	58,1 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded

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All data shown are not binding. Zenit reserves the right to change data and dimensions without notice.

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water solutions

Data sheet

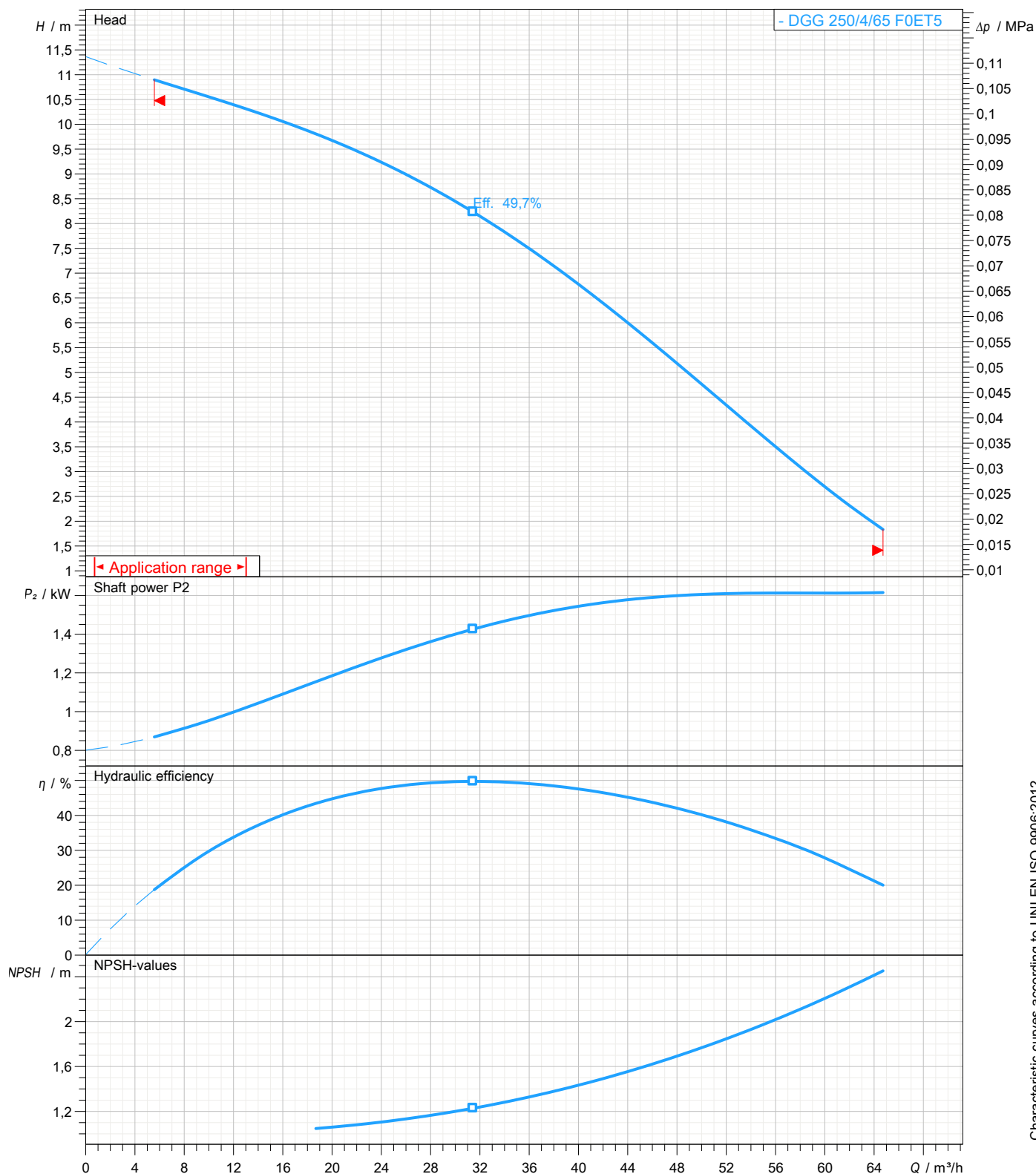
DGG 250/4/65 F0ET5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DG (Set-back Vortex)		Impeller type Set-back Vortex impeller	Free passage 65 mm	Discharge DN 65	Suction DN 65
DUTY POINT					
Flow	Head	Shaft power P2	Hydraulic efficiency	Density 998,3 kg/m ³	Viscosity 1,005 mm ² /s



Characteristic curves according to UNI EN ISO 9906:2012
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B



water solutions

Data sheet

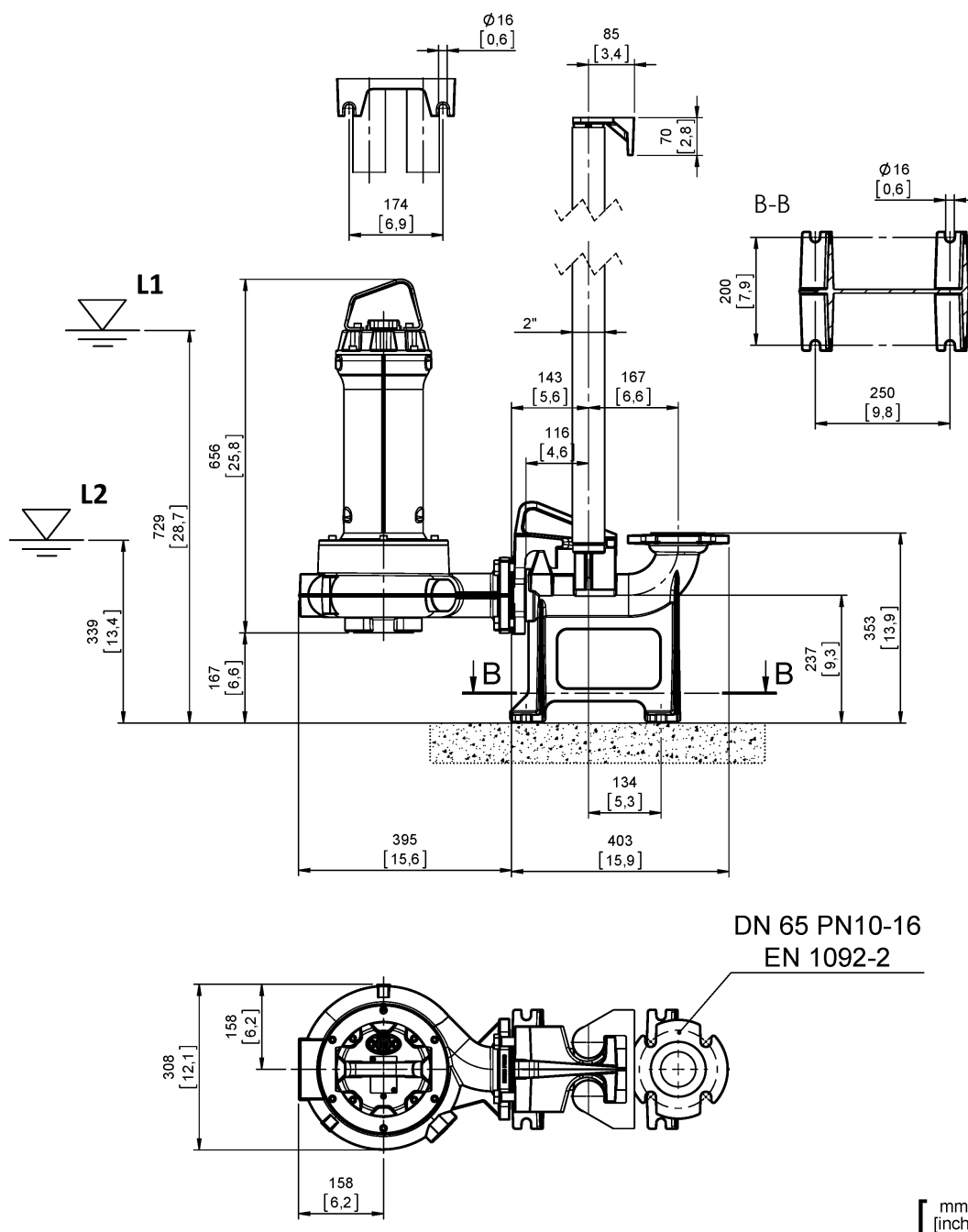
DGG 250/4/65 F0ET5

GREY
series

Dimensional drawing

3~ 50 Hz

Installation type Installation with bottom coupling device - Vertical outlet		
Wet/dry use WET	Drilling variant N	Flushing valve - drilling -
Discharge DN 65 EN 1092-2	Suction: DN 65 UNDRILLED	Pressure rating (suction/discharge) -/PN 10
Accessory DAC 65/65V+KAF 116-2" EN (P)		Accessory code 9001.031
Note: Accessory must be ordered separately		


 DN 65 PN10-16
 EN 1092-2

 [mm
 [inch]

L1: Minimum operating level for continuous use

L2: Minimum operating level for discontinuous use (only "WET" version)



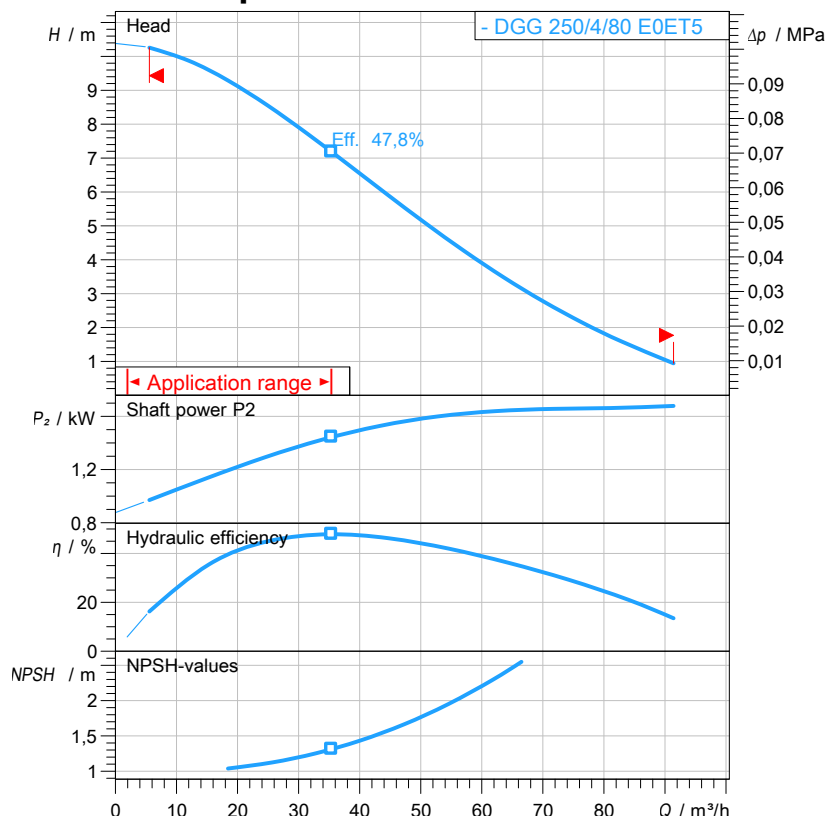
water solutions

Data sheet

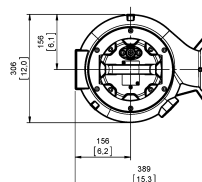
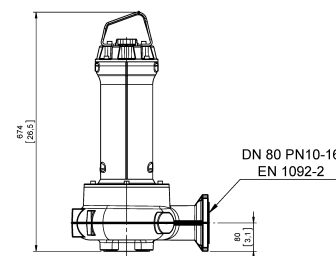
DGG 250/4/80 E0ET5

GREY
series

Technical specification

3~ 50 Hz


Characteristic curves according to UNI EN ISO 9906:2012
P2 < 10kW: paragraph 4.4.2
10kW < P2 < 100kW: Grade 3B
P2 > 100kW: Grade 2B

[mm
[inch]

Pump

Series	GREY series
Pump name	DGG 250/4/80 E0ET5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	1,8 kW
Incoming power P1	2,22 kW
Rated current	4,3 A
rpm	1421 1/min
Efficiency	81,2 %
cos φ	0,744
Rated torque	12,1 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DG (Set-back Vortex)
Free passage	80 mm
Impeller type	Set-back Vortex impeller
Max. hydraulic efficiency	47,8 %
Suction	DN 80 UNDRILLED
Discharge	DN 80 EN 1092-2
Curve tolerance	UNI EN ISO 9906:2012

Operating limits (standard pumps)

Max. ambient temperature	40 °C
Max. density treated liquid	1100 kg/m³
pH treated liquid	6 ÷ 14
Max. start per hour (equally distributed)	30
Wet/dry use	WET
Max. acoustic pressure level	70 dB
Operating mode	S1 - Continuous use

Construction materials

Case	Cast iron EN-GJL 250
Shaft	Stainless steel AISI 431
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting/Coating	Bi-epoxy 200 µm sea water resistant
Screws	Stainless steel - Class A2-70
Gaskets	NBR

Construction features

Cooling system	No cooling jacket
Main cable	4G1,5 + 3x1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	58,1 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

Data sheet

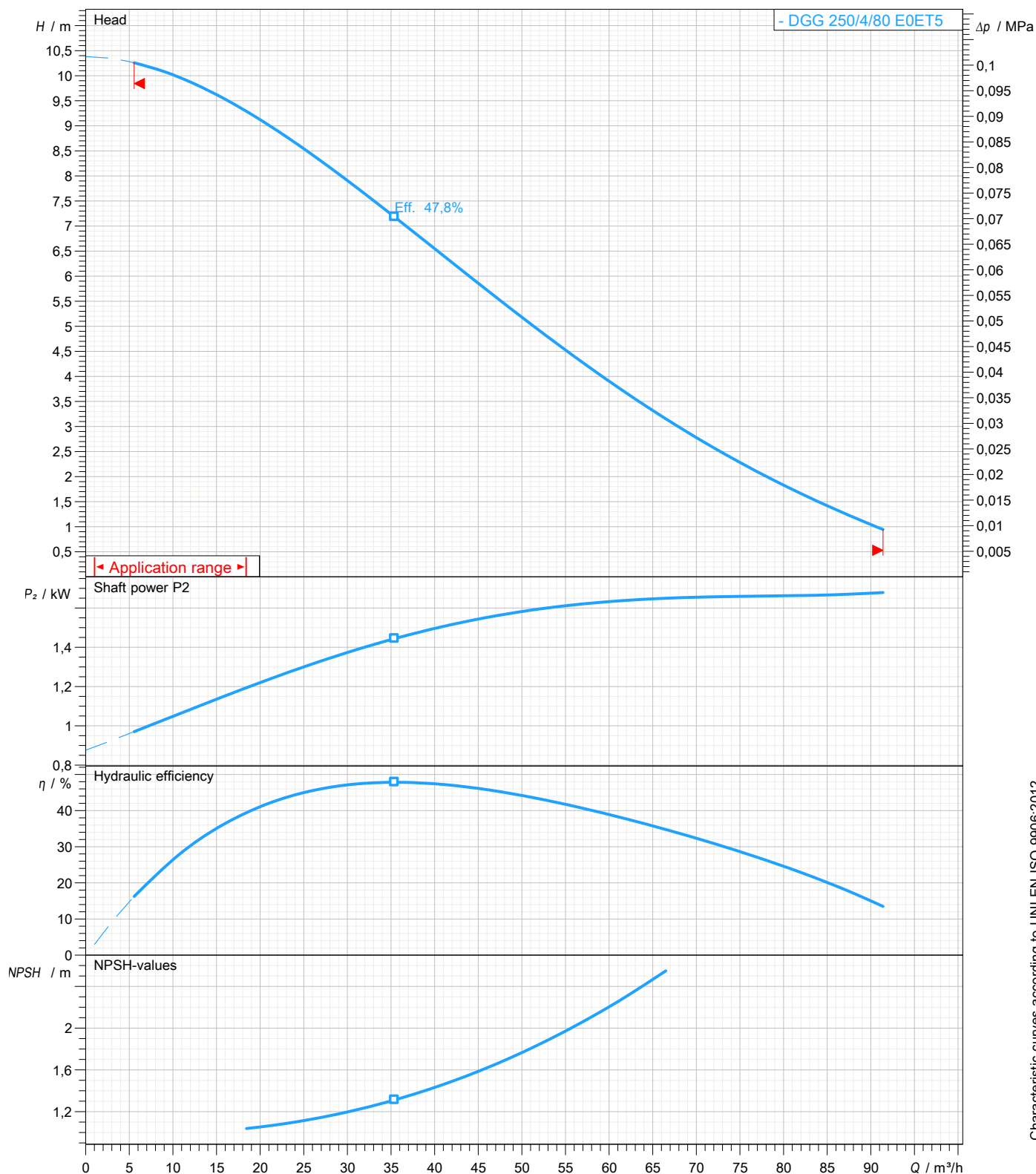
DGG 250/4/80 E0ET5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DG (Set-back Vortex)		Impeller type Set-back Vortex impeller	Free passage 80 mm	Discharge DN 80	Suction DN 80
DUTY POINT					
Flow	Head	Shaft power P2	Hydraulic efficiency	Density 998,3 kg/m ³	Viscosity 1,005 mm ² /s



Characteristic curves according to UNI EN ISO 9906:2012
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

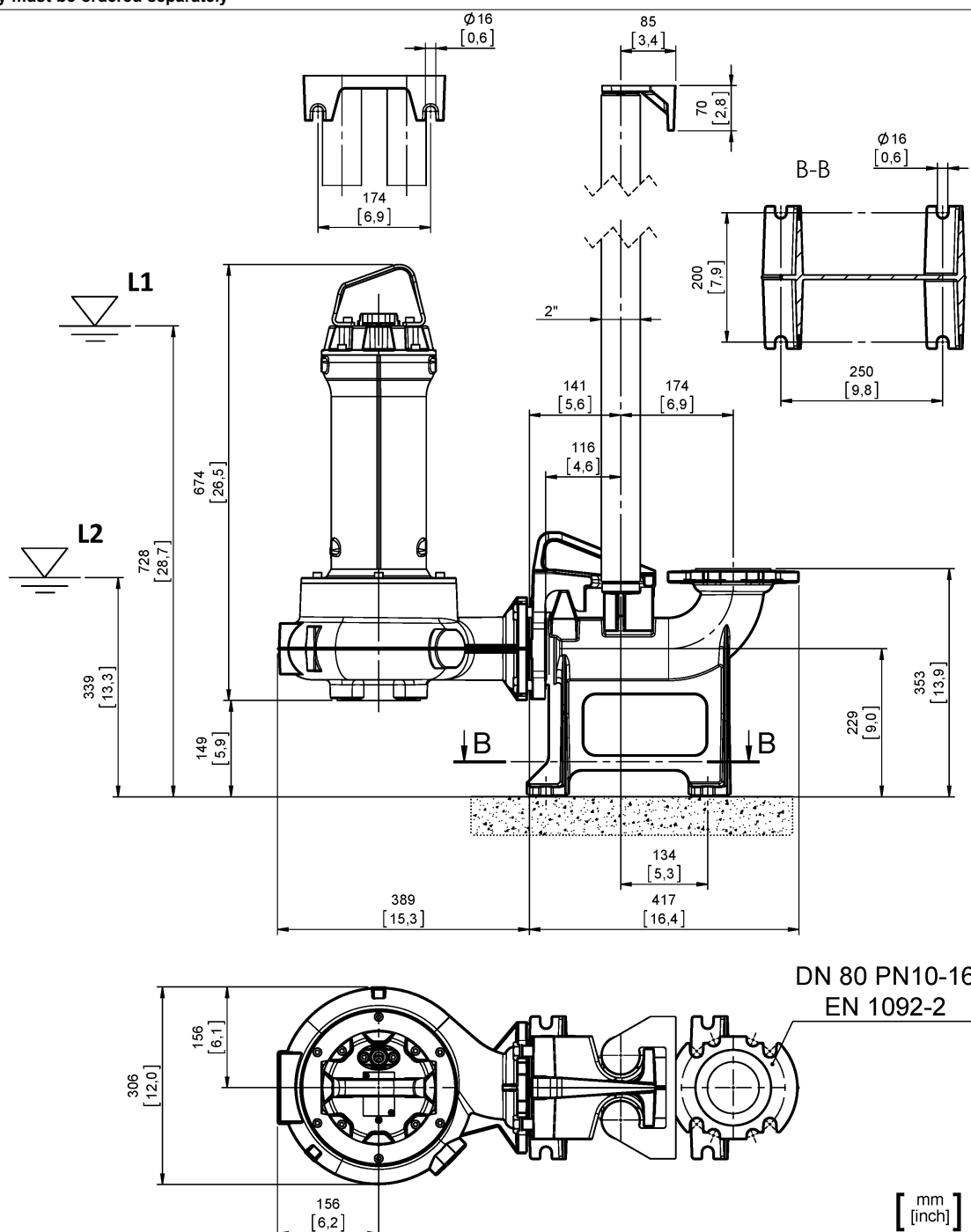


water solutions

Data sheet

DGG 250/4/80 E0ET5**GREY**
series**Dimensional drawing****3~ 50 Hz**

Installation type Installation with bottom coupling device - Vertical outlet		
Wet/dry use WET	Drilling variant N	Flushing valve - drilling -
Discharge DN 80 EN 1092-2	Suction: DN 80 UNDRILLED	Pressure rating (suction/discharge) -/PN 10
Accessory DAC 80/80V+KAF 116-2" EN (P)		Accessory code 9001.032
Note: Accessory must be ordered separately		



L1: Minimum operating level for continuous use

L2: Minimum operating level for discontinuous use (only "WET" version)



water solutions

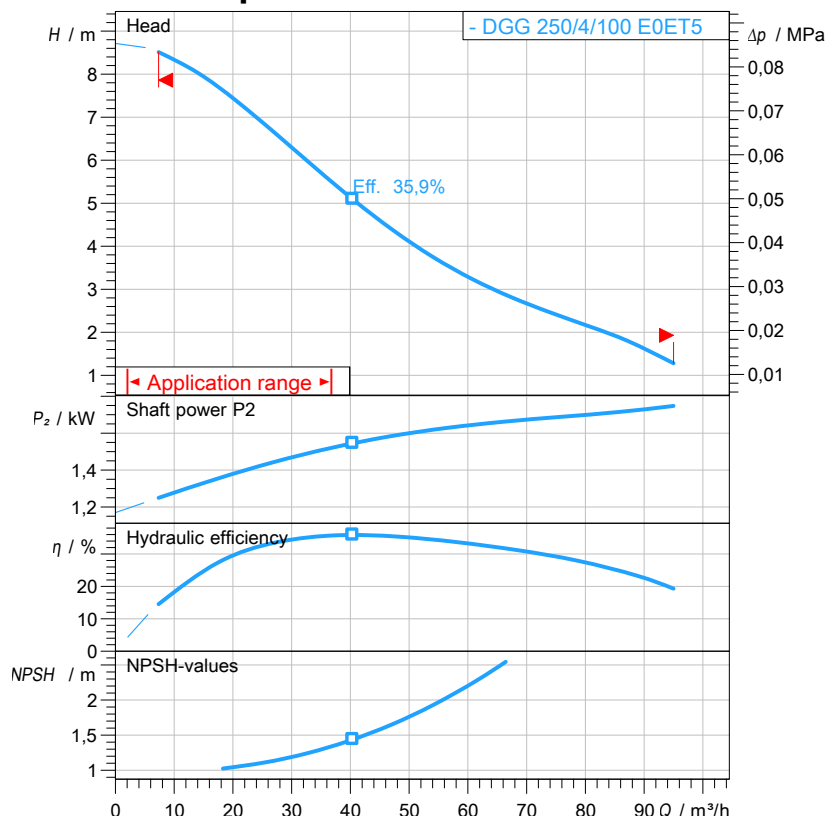
Data sheet

DGG 250/4/100 E0ET5

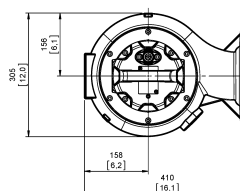
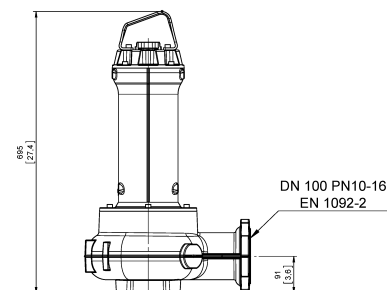
GREY
series

Technical specification

3~ 50 Hz



Characteristic curves according to UNI EN ISO 9906:2012
P2 < 10 kW: paragraph 4.4.2
10 kW < P2 < 100 kW: Grade 3B
P2 > 100 kW: Grade 2B

[mm
(inch)]

Pump

Series	GREY series
Pump name	DGG 250/4/100 E0ET5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	1,8 kW
Incoming power P1	2,22 kW
Rated current	4,3 A
rpm	1421 1/min
Efficiency	81,2 %
cos φ	0,744
Rated torque	12,1 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DG (Set-back Vortex)
Free passage	100 mm
Impeller type	Set-back Vortex impeller
Max. hydraulic efficiency	35,9 %
Suction	DN 100 UNDRILLED
Discharge	DN 100 EN 1092-2
Curve tolerance	UNI EN ISO 9906:2012

Operating limits (standard pumps)

Max. ambient temperature	40 °C
Max. density treated liquid	1100 kg/m ³
pH treated liquid	6 ÷ 14
Max. start per hour (equally distributed)	30
Wet/dry use	WET
Max. acoustic pressure level	70 dB
Operating mode	S1 - Continuous use

Construction materials

Case	Cast iron EN-GJL 250
Shaft	Stainless steel AISI 431
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting/Coating	Bi-epoxy 200 µm sea water resistant
Screws	Stainless steel - Class A2-70
Gaskets	NBR

Construction features

Cooling system	No cooling jacket
Main cable	4G1,5 + 3x1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	61,1 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

Data sheet

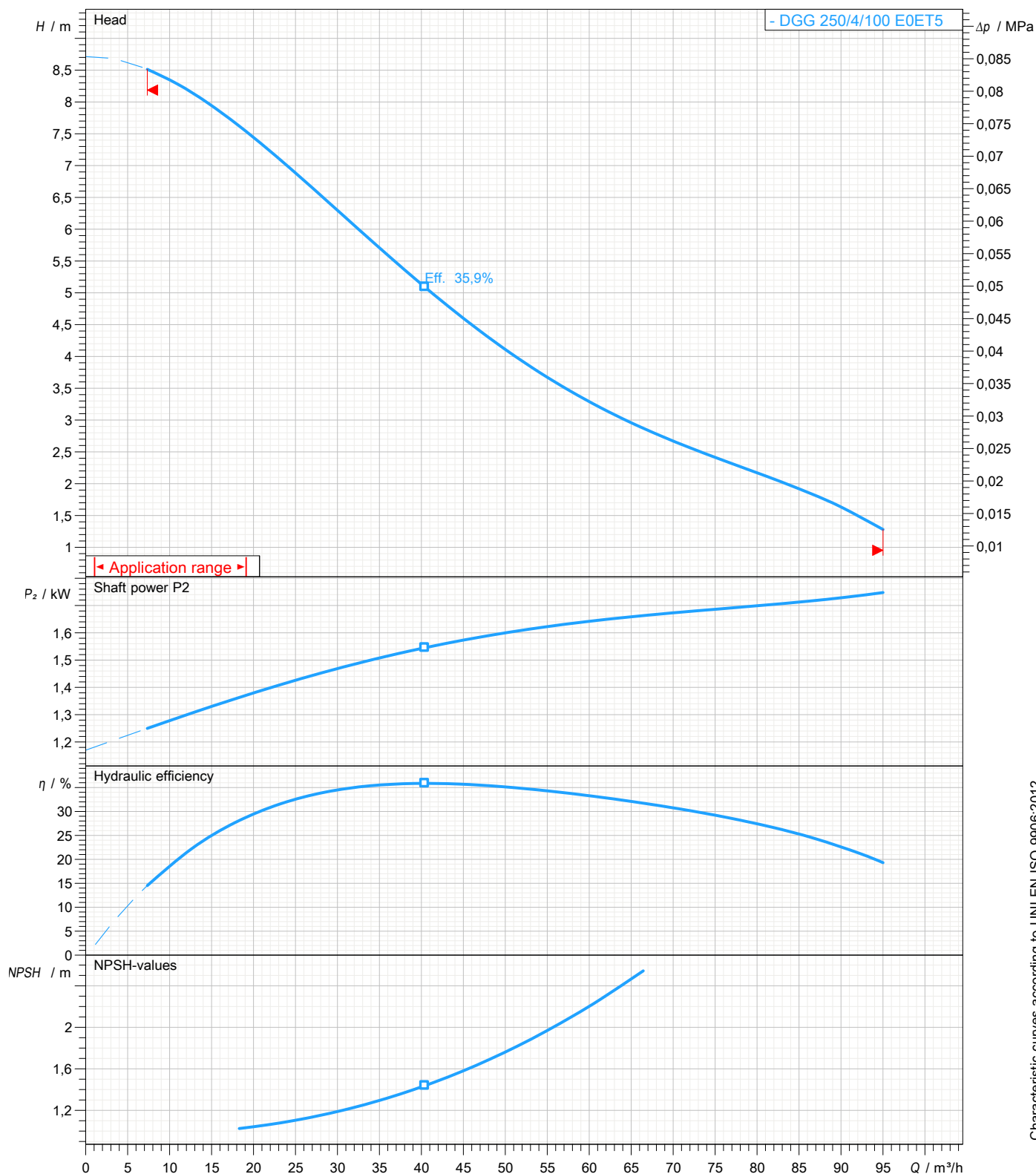
DGG 250/4/100 E0ET5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DG (Set-back Vortex)		Impeller type Set-back Vortex impeller	Free passage 100 mm	Discharge DN 100	Suction DN 100
DUTY POINT					
Flow	Head	Shaft power P₂	Hydraulic efficiency	Density 998,3 kg/m ³	Viscosity 1,005 mm ² /s



Characteristic curves according to UNI EN ISO 9906:2012
P₂ < 10 kW: paragraph 4.4.2
10 kW < P₂ < 100 kW: Grade 3B
P₂ > 100 kW: Grade 2B



water solutions

Data sheet

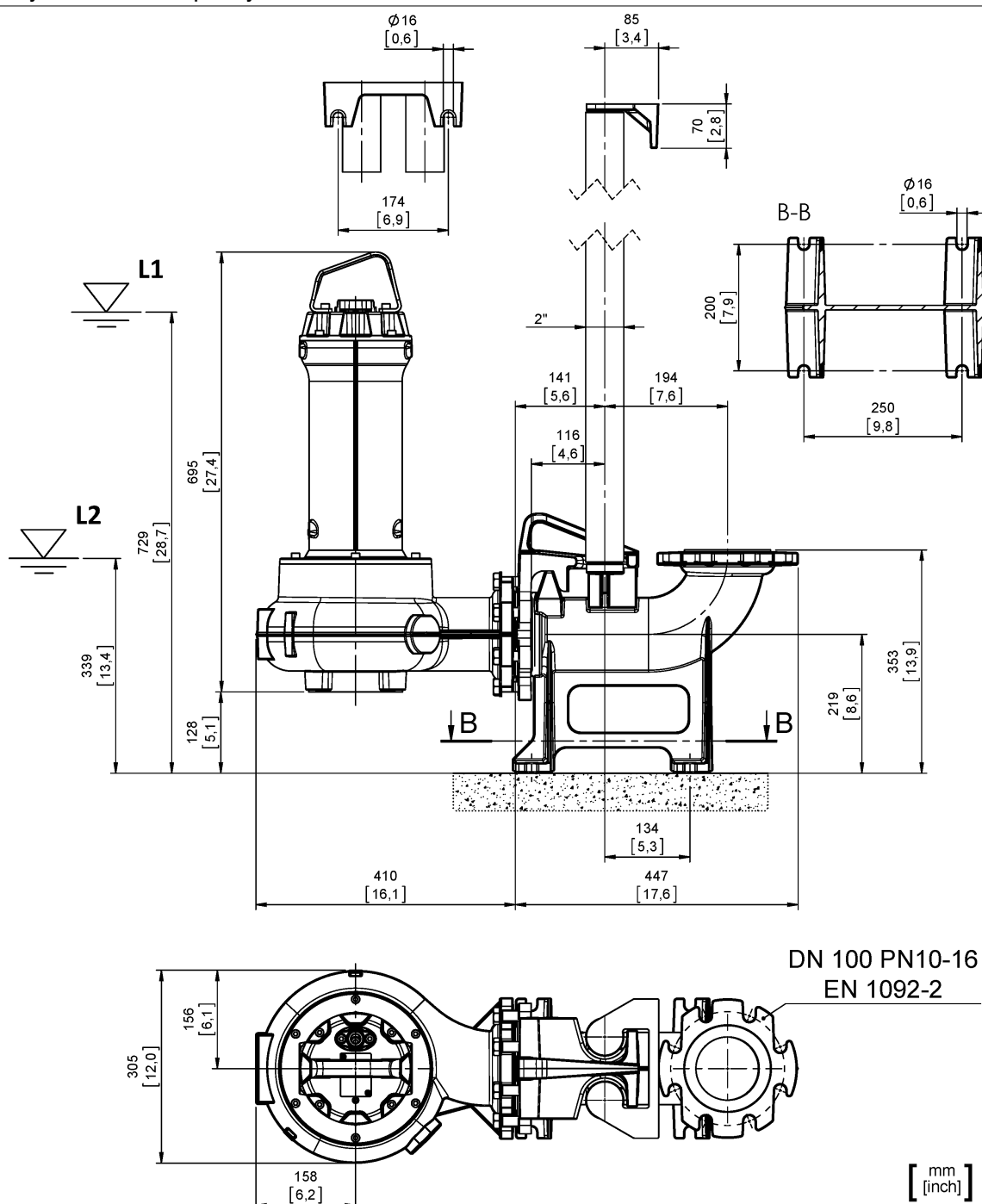
DGG 250/4/100 E0ET5

GREY
series

Dimensional drawing

3~ 50 Hz

Installation type Installation with bottom coupling device - Vertical outlet		
Wet/dry use WET	Drilling variant N	Flushing valve - drilling -
Discharge DN 100 EN 1092-2	Suction: DN 100 UNDRILLED	Pressure rating (suction/discharge) -/PN 10
Accessory DAC 100/100V+KAF 116-2" EN (P)		Accessory code 9001.033
Note: Accessory must be ordered separately		



L1: Minimum operating level for continuous use

L2: Minimum operating level for discontinuous use (only "WET" version)