



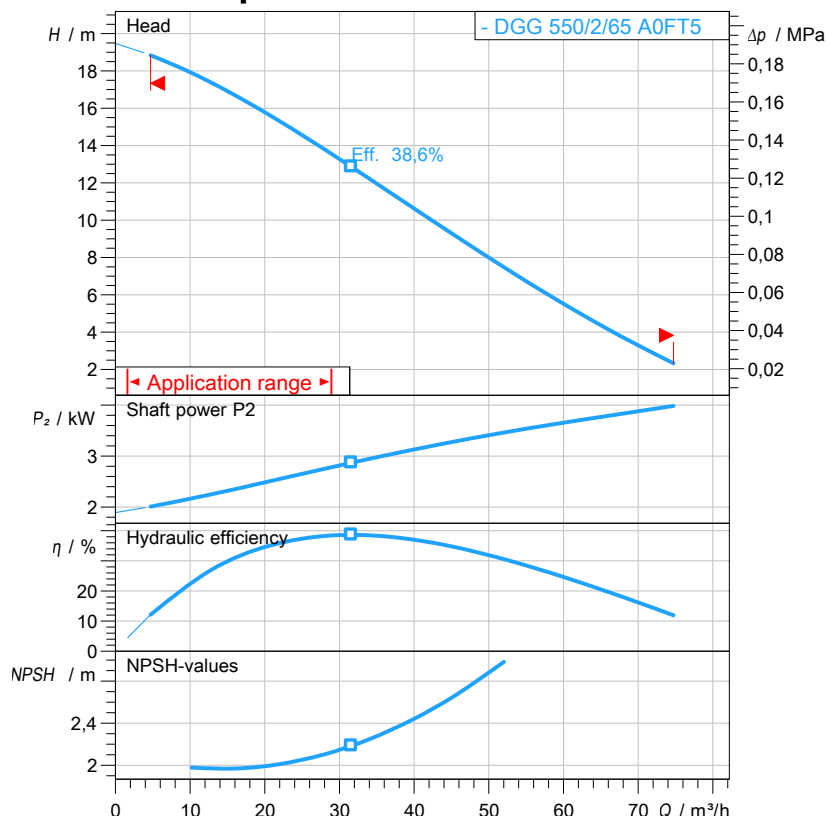
water solutions

Data sheet

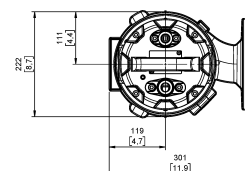
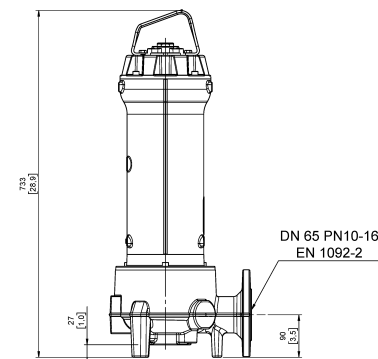
DGG 550/2/65 A0FT5

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 550/2/65 A0FT5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P2	4 kW
Incoming power P1	4,66 kW
Rated current	7,73 A
rpm	2876 1/min
Efficiency	85,8 %
cos φ	0,87
Rated torque	13,3 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	38,6 %
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*	71,2 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

Data sheet

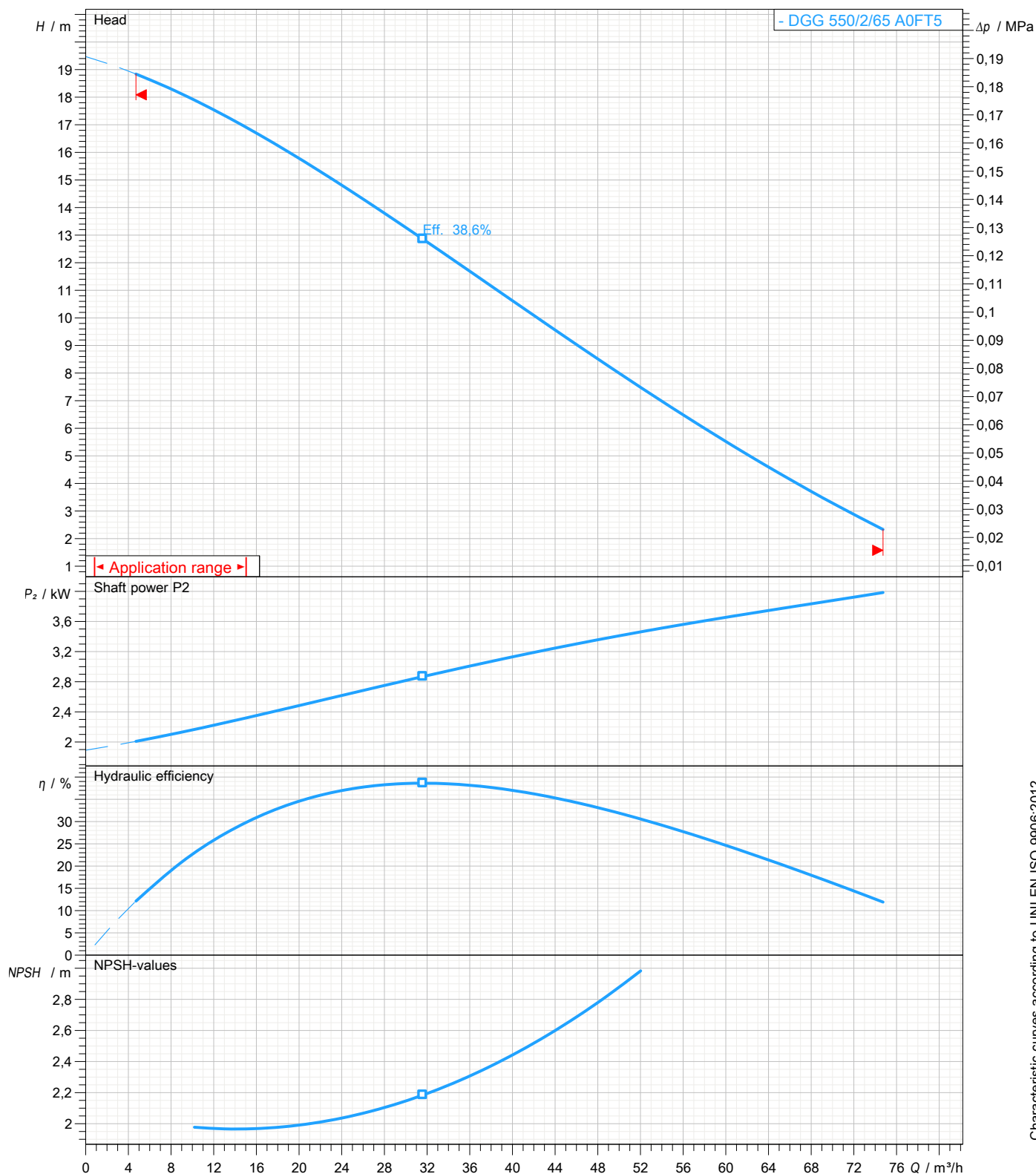
DGG 550/2/65 A0FT5

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

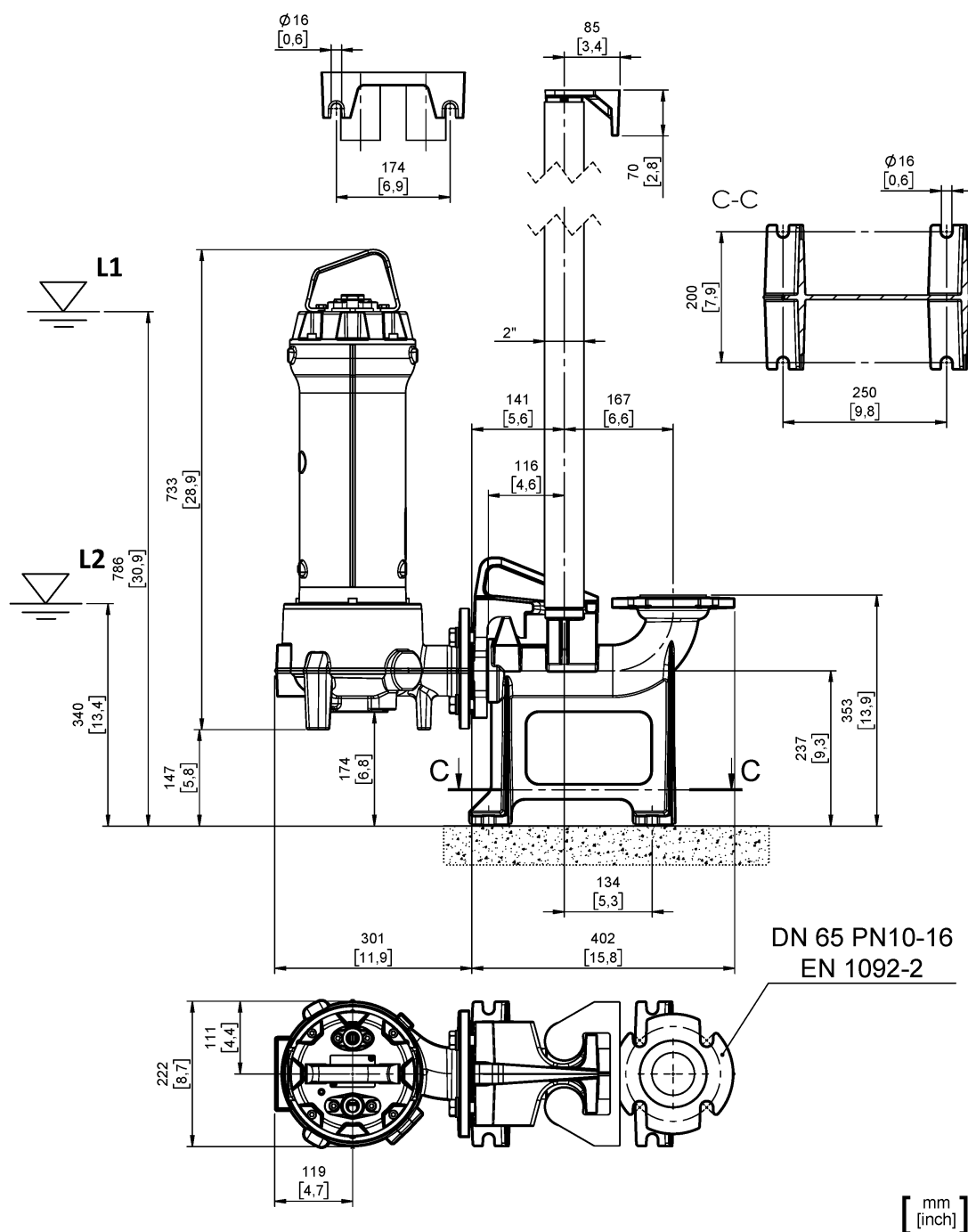


water solutions

Data sheet

DGG 550/2/65 A0FT5**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		



L1: Minimum operating level for continuous use

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



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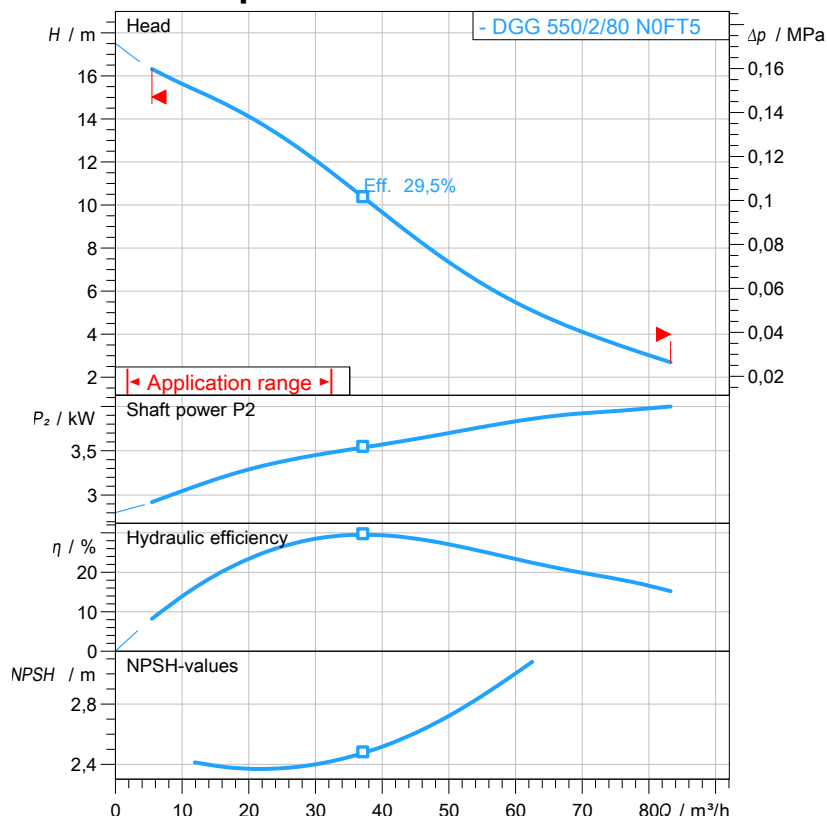
Data sheet

DGG 550/2/80 N0FT5

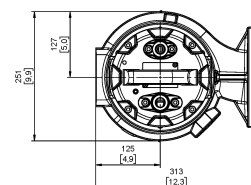
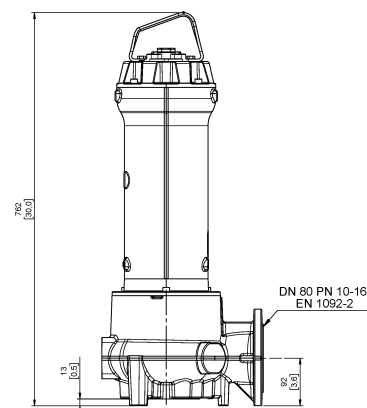
GREY
series

Technical specification

3~ 50 Hz



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

[mm
(inch)]

Pump

Series	GREY series
Pump name	DGG 550/2/80 N0FT5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P_2	4 kW
Incoming power P_1	4,66 kW
Rated current	7,73 A
rpm	2876 1/min
Efficiency	85,8 %
$\cos \varphi$	0,87
Rated torque	13,3 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	29,5 %
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*	71,6 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

Data sheet

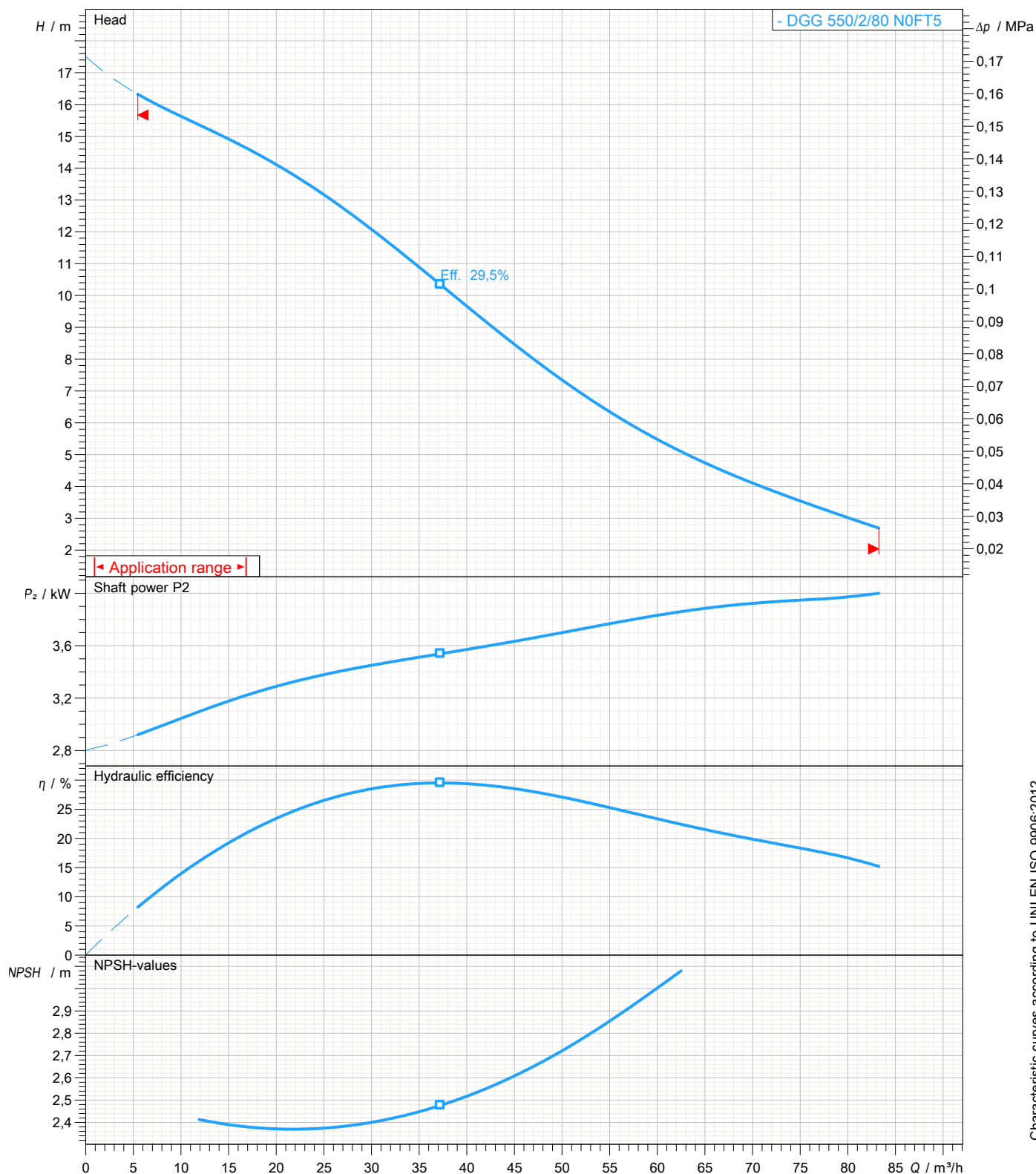
DGG 550/2/80 N0FT5

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

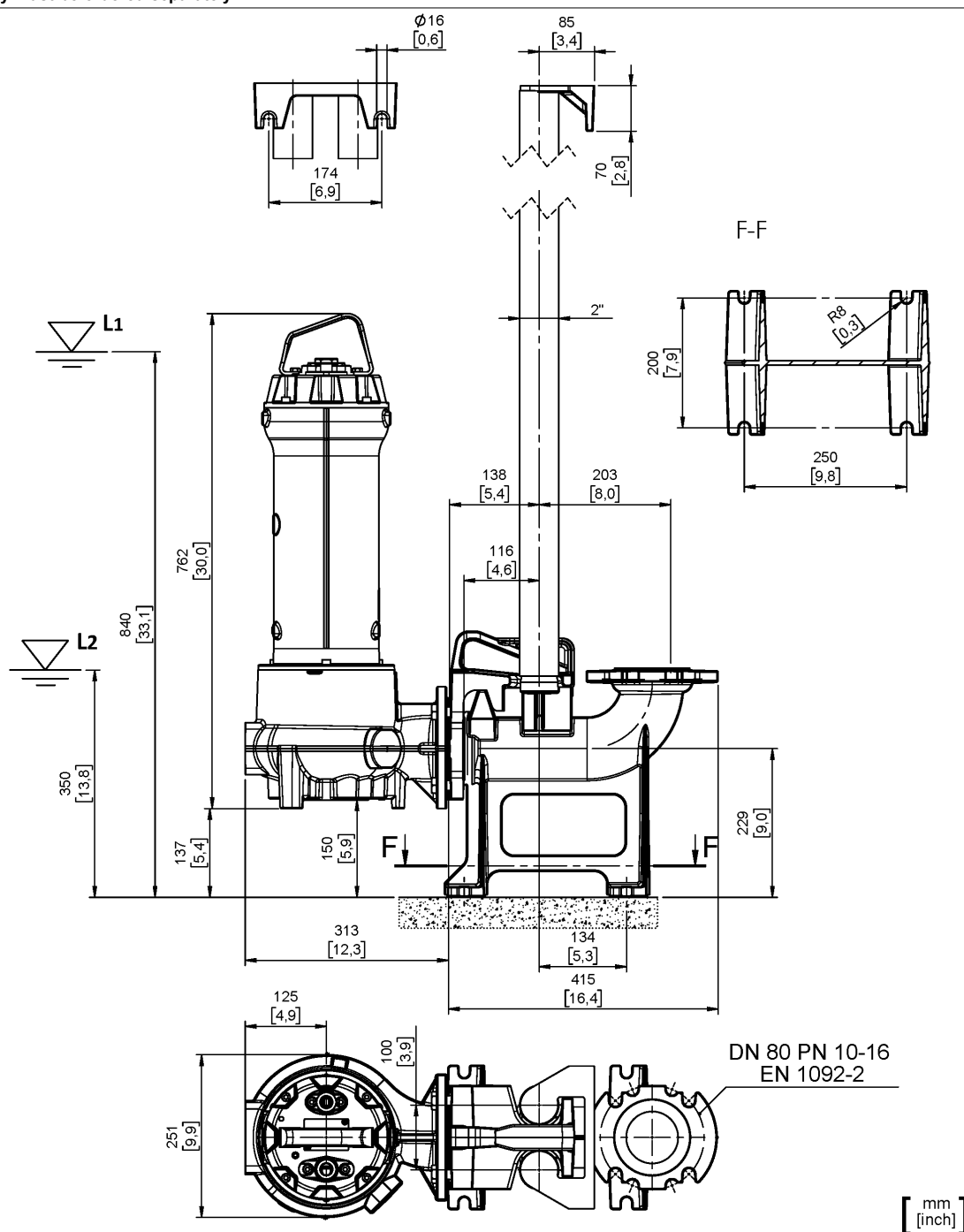
DGG 550/2/80 N0FT5

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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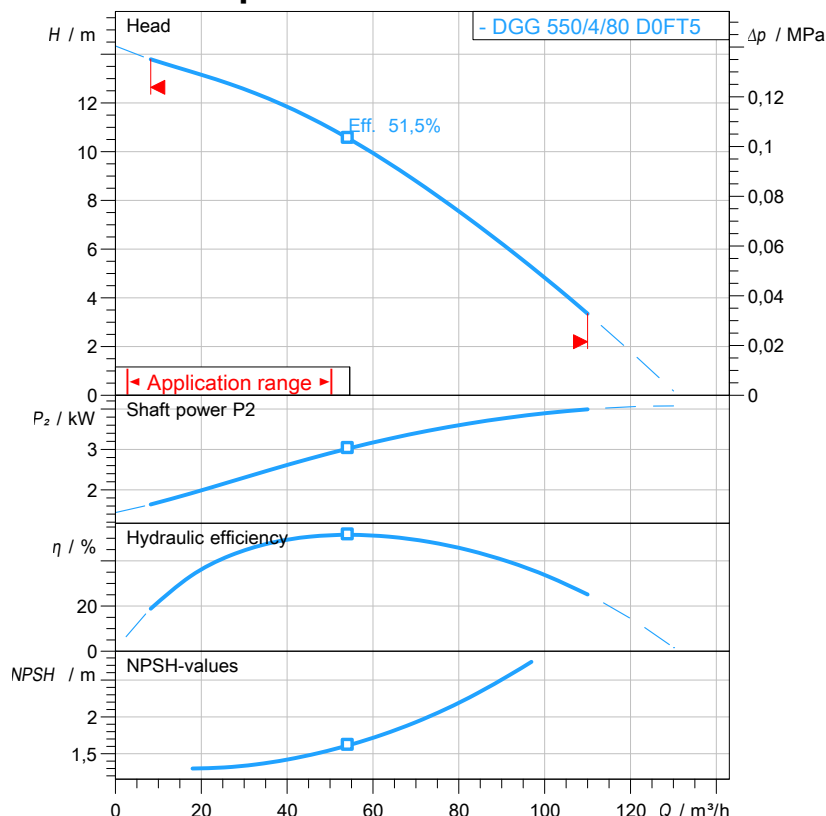
Data sheet

DGG 550/4/80 D0FT5

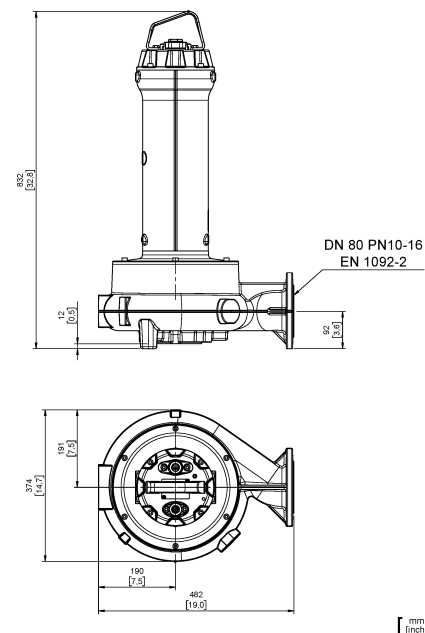
GREY
series

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 550/4/80 D0FT5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	4 kW
Incoming power P1	4,62 kW
Rated current	8,4 A
rpm	1433 1/min
Efficiency	86,6 %
cos φ	0,794
Rated torque	26,7 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	51,5 %
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*	97 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

Data sheet

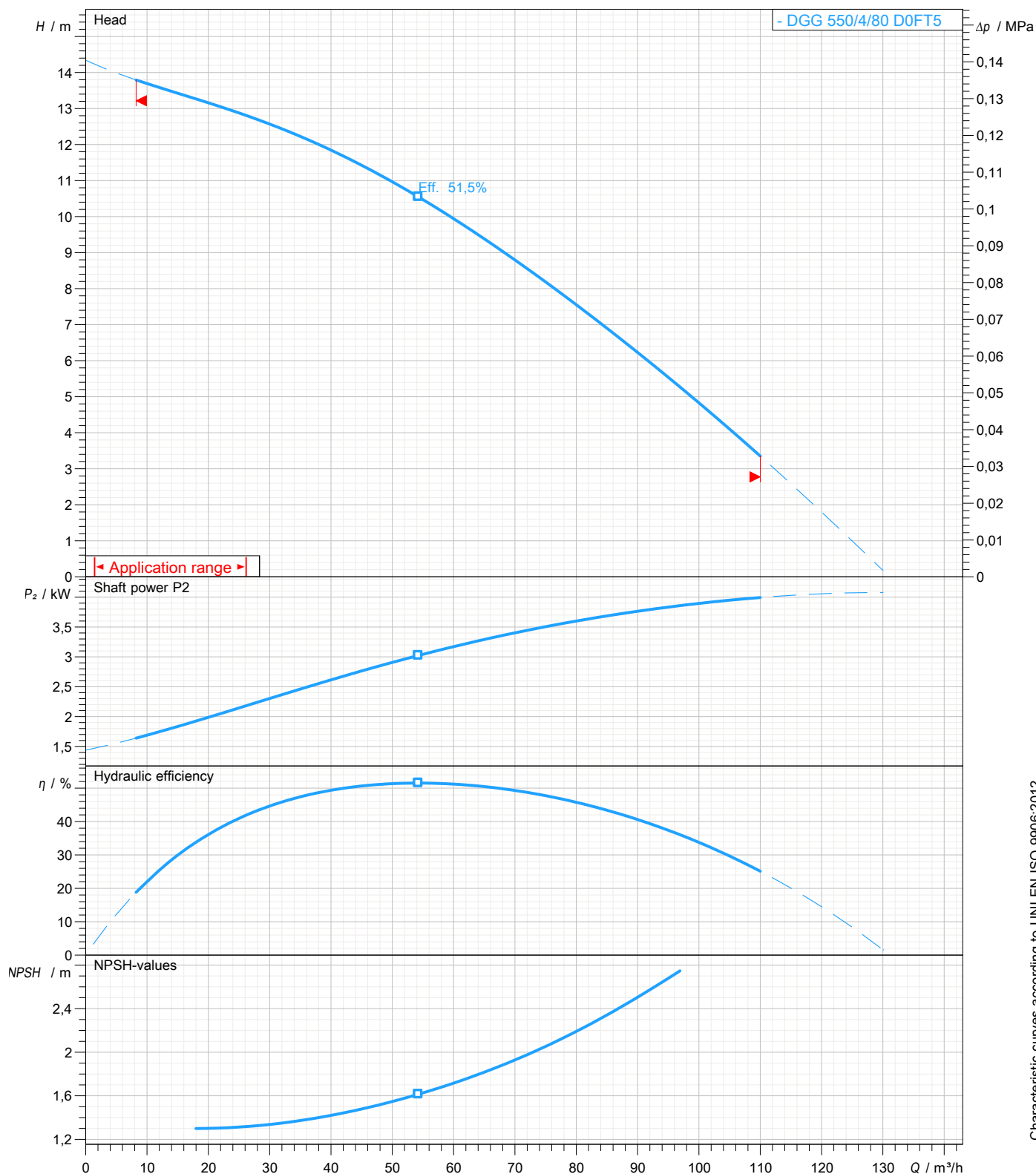
DGG 550/4/80 D0FT5

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



water solutions

Data sheet

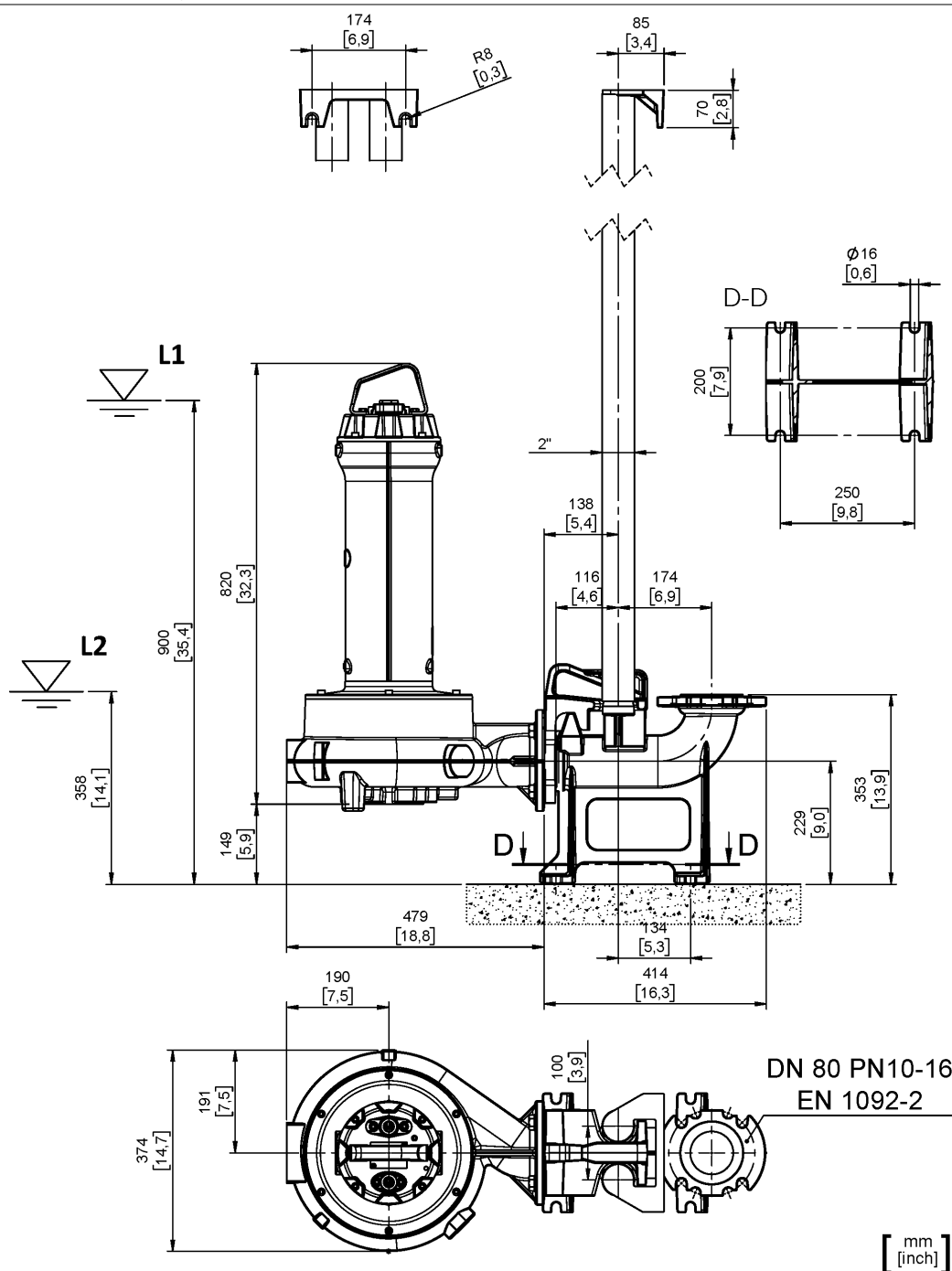
DGG 550/4/80 D0FT5

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

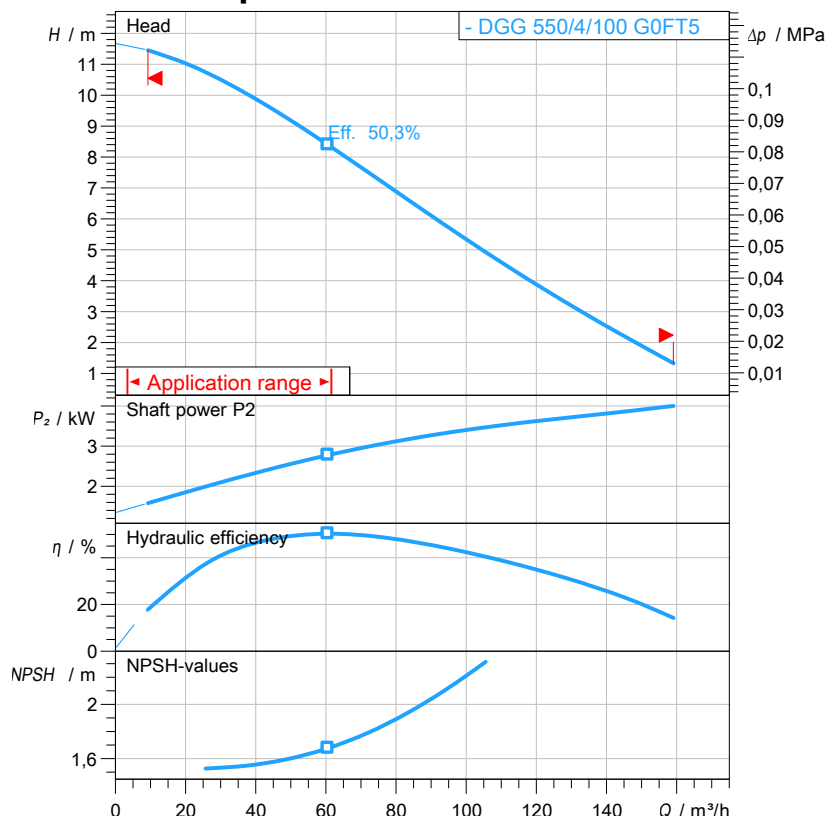
Data sheet

DGG 550/4/100 G0FT5

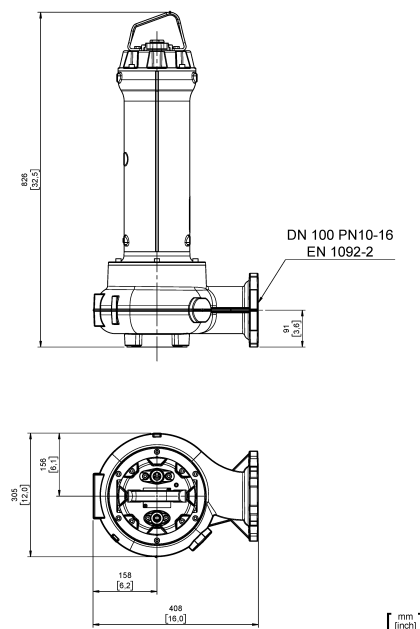
GREY
series

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



Pump

Series	GREY series
Pump name	DGG 550/4/100 G0FT5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	4 kW
Incoming power P1	4,62 kW
Rated current	8,4 A
rpm	1433 1/min
Efficiency	86,6 %
cos φ	0,794
Rated torque	26,7 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	50,3 %
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*	83 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

Data sheet

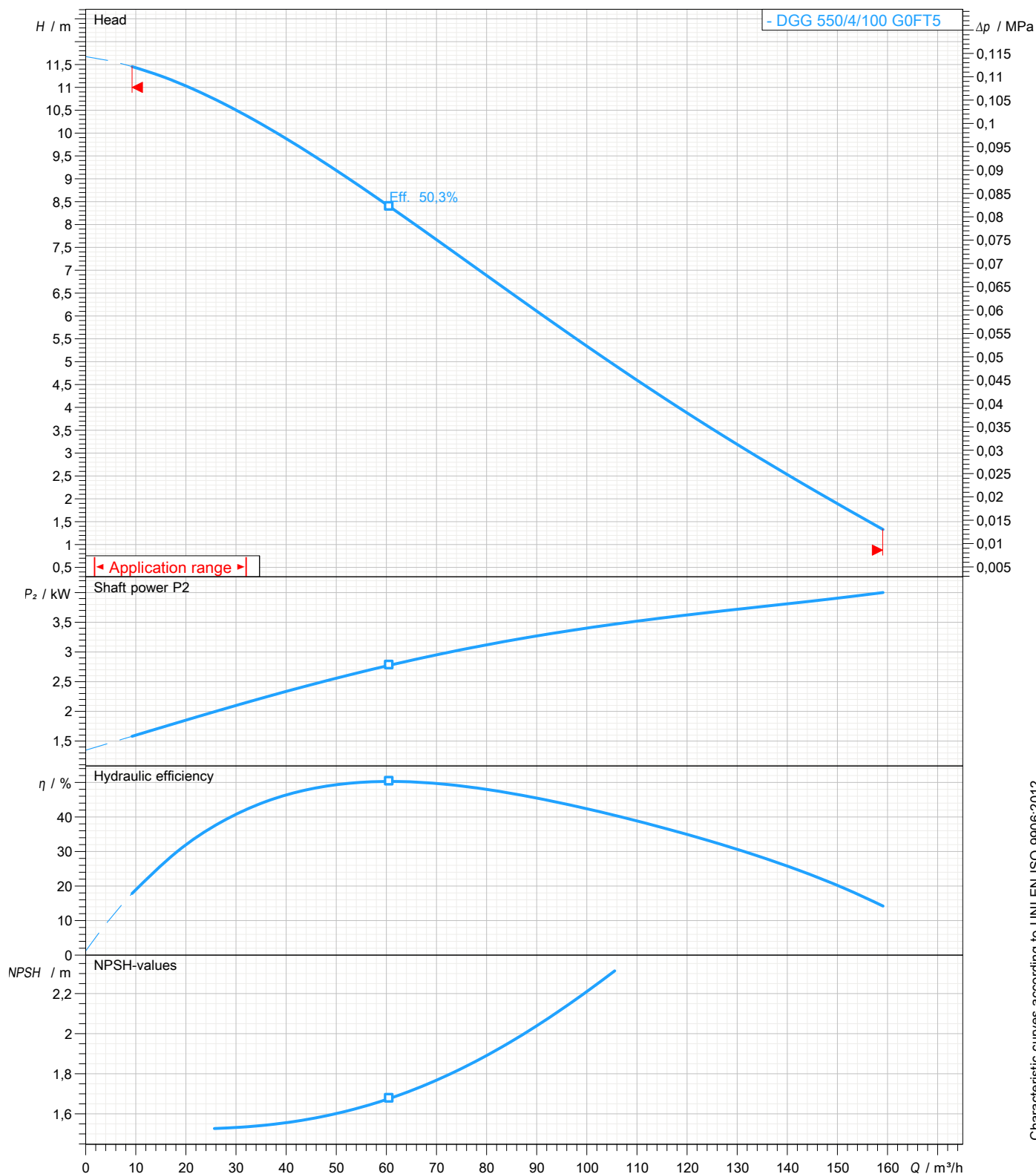
DGG 550/4/100 G0FT5

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 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<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B



water solutions

Data sheet

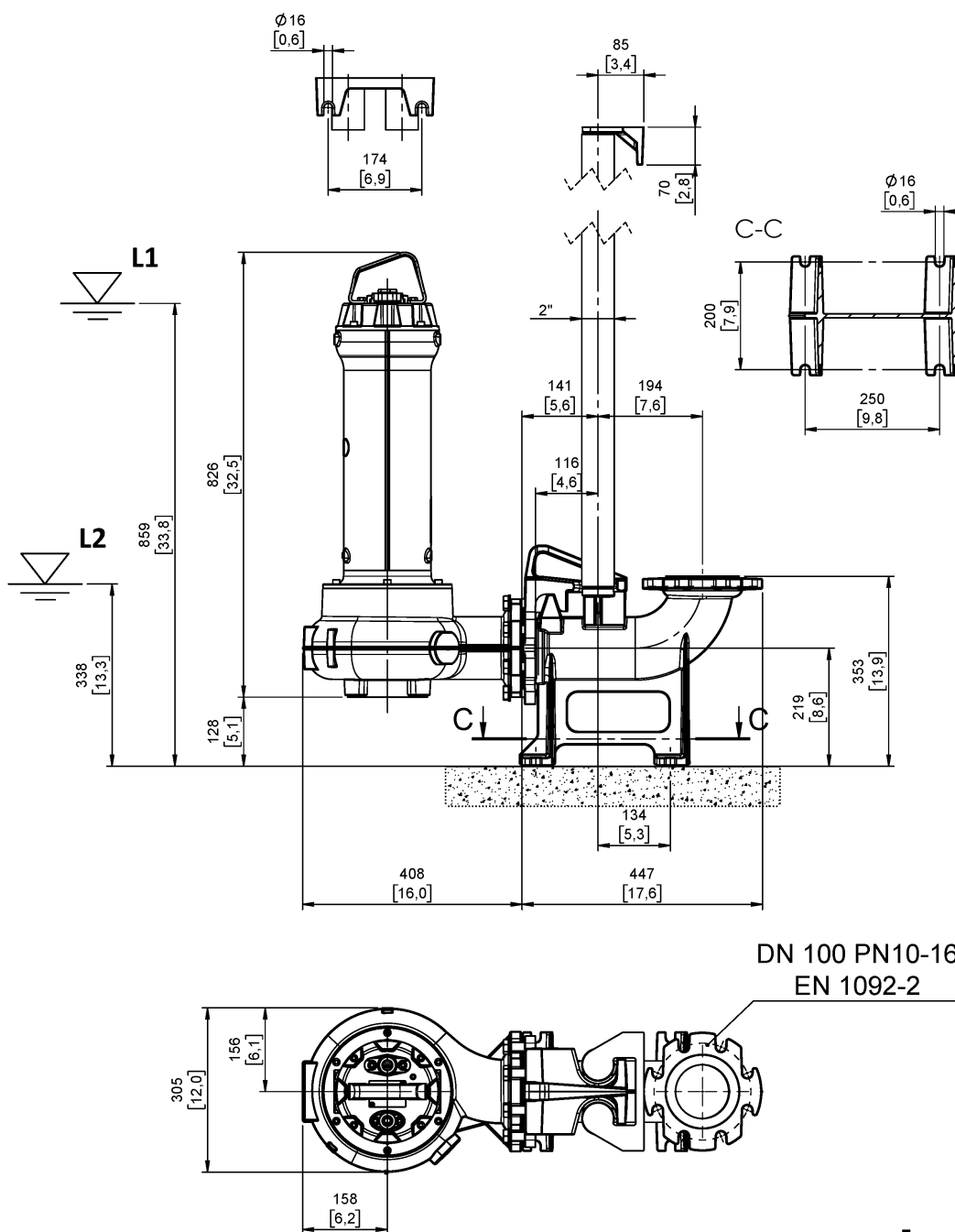
DGG 550/4/100 G0FT5

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		


 [mm
[inch]]

L1: Minimum operating level for continuous use

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



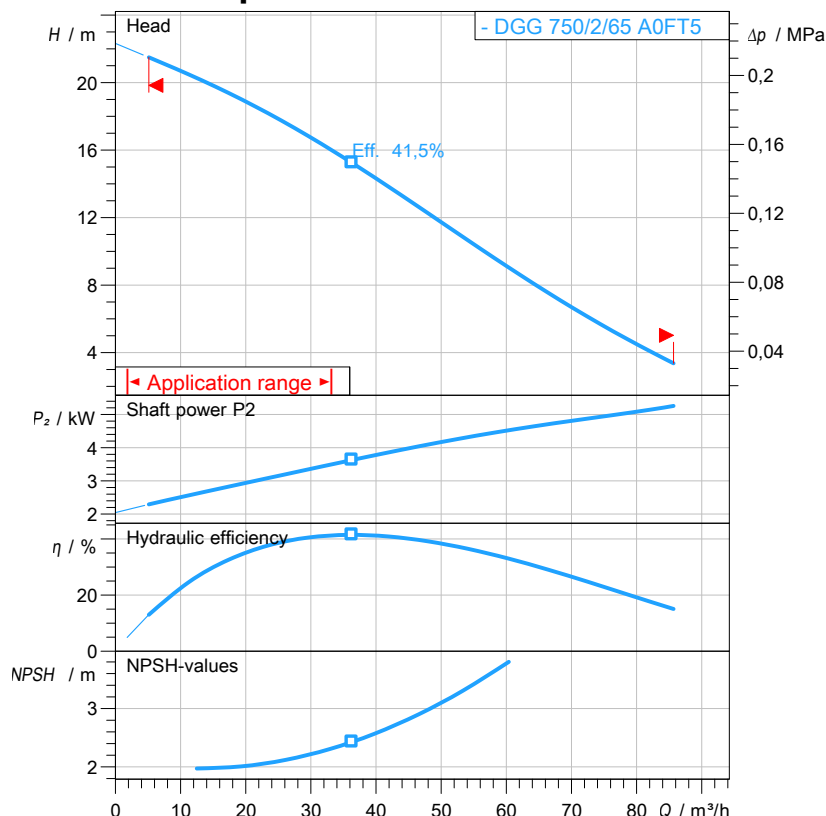
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Data sheet

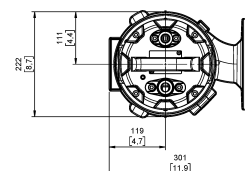
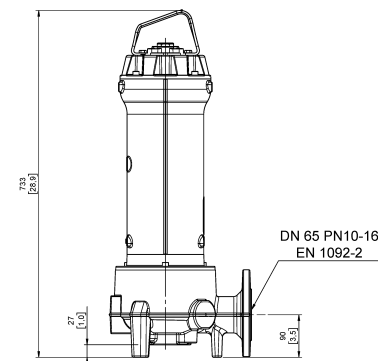
DGG 750/2/65 A0FT5

GREY
series

Technical specification

3~ 50 Hz


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

[mm
(inch)]

Pump

Series	GREY series
Pump name	DGG 750/2/65 A0FT5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P_2	5,5 kW
Incoming power P_1	6,32 kW
Rated current	10,8 A
rpm	2866 1/min
Efficiency	87 %
$\cos \phi$	0,845
Rated torque	18,3 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	41,5 %
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/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*	73,9 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

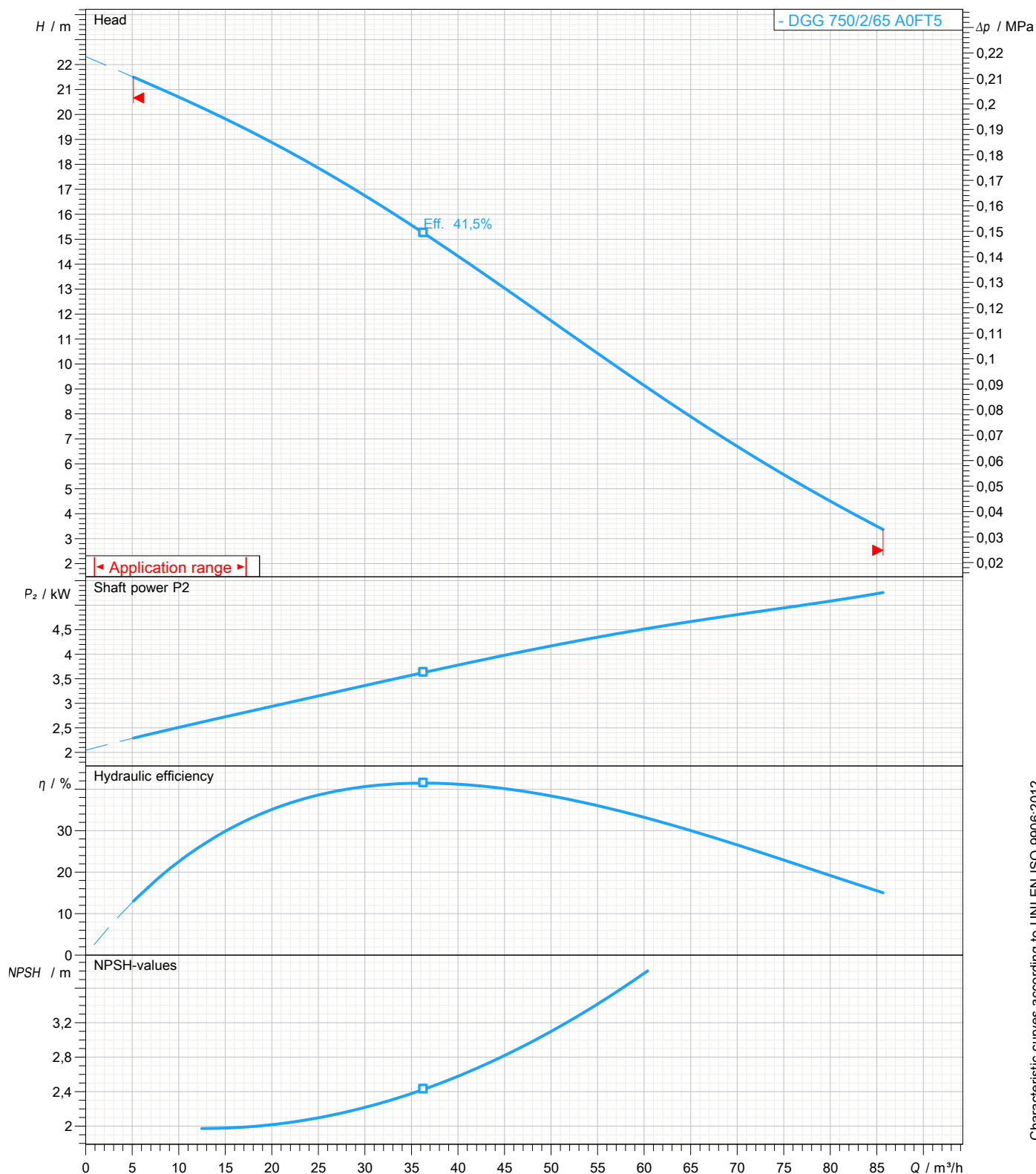
Data sheet

DGG 750/2/65 A0FT5**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

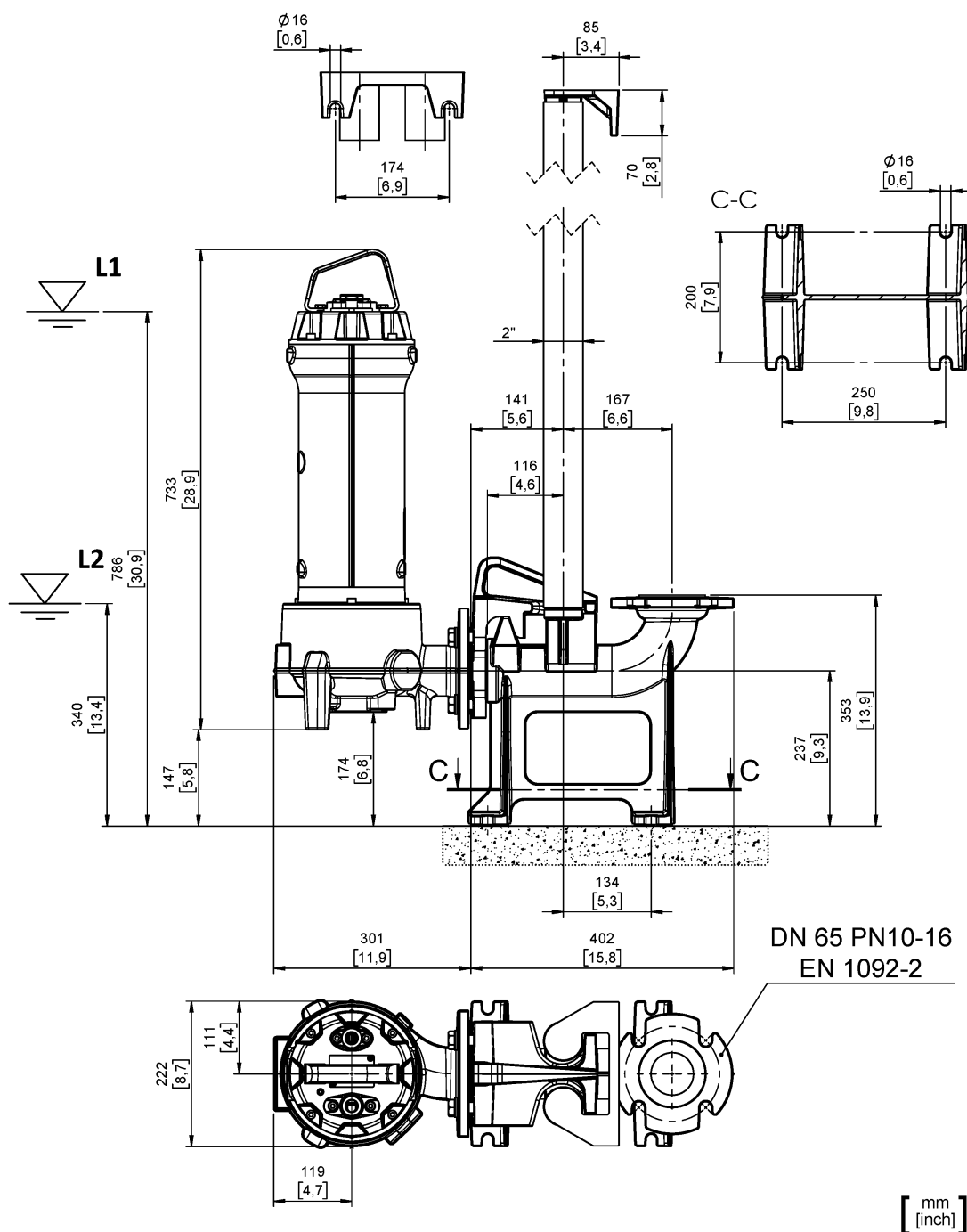


water solutions

Data sheet

DGG 750/2/65 A0FT5**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		



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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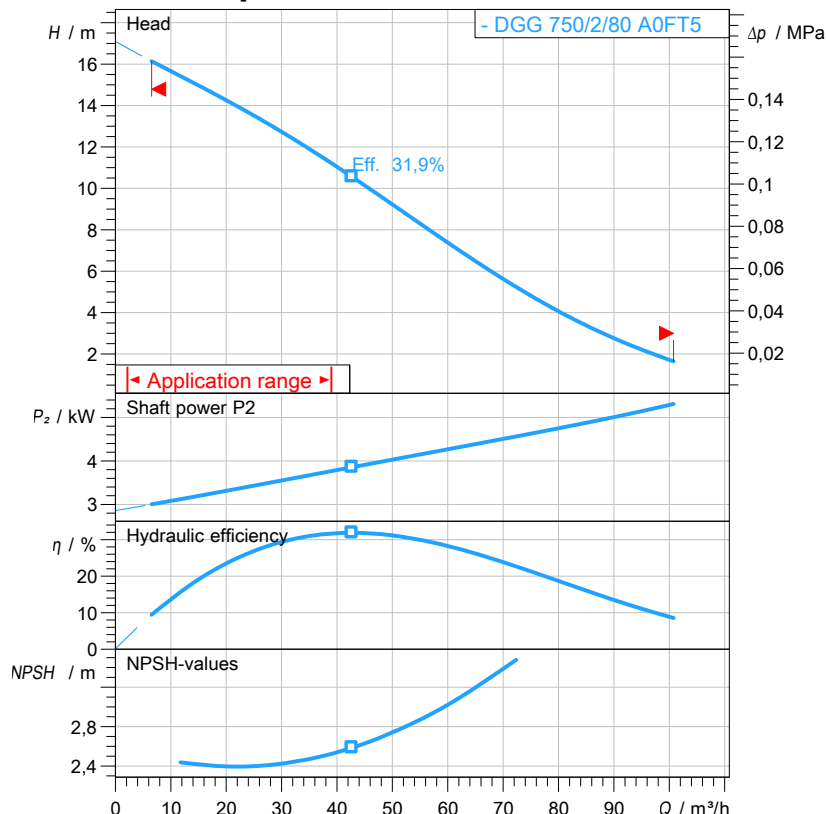
Data sheet

DGG 750/2/80 A0FT5

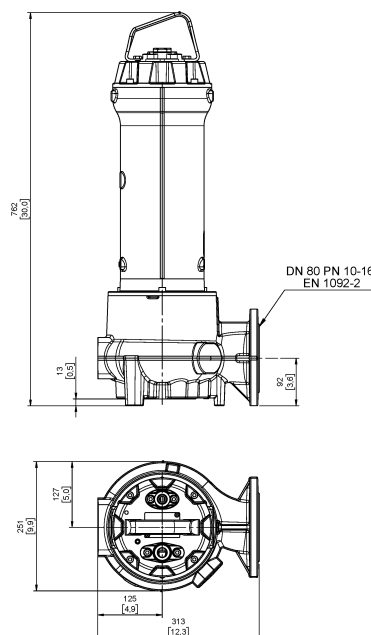
GREY
series

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 750/2/80 A0FT5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P2	5,5 kW
Incoming power P1	6,32 kW
Rated current	10,8 A
rpm	2866 1/min
Efficiency	87 %
cos φ	0,845
Rated torque	18,3 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	31,9 %
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*	74,3 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

Data sheet

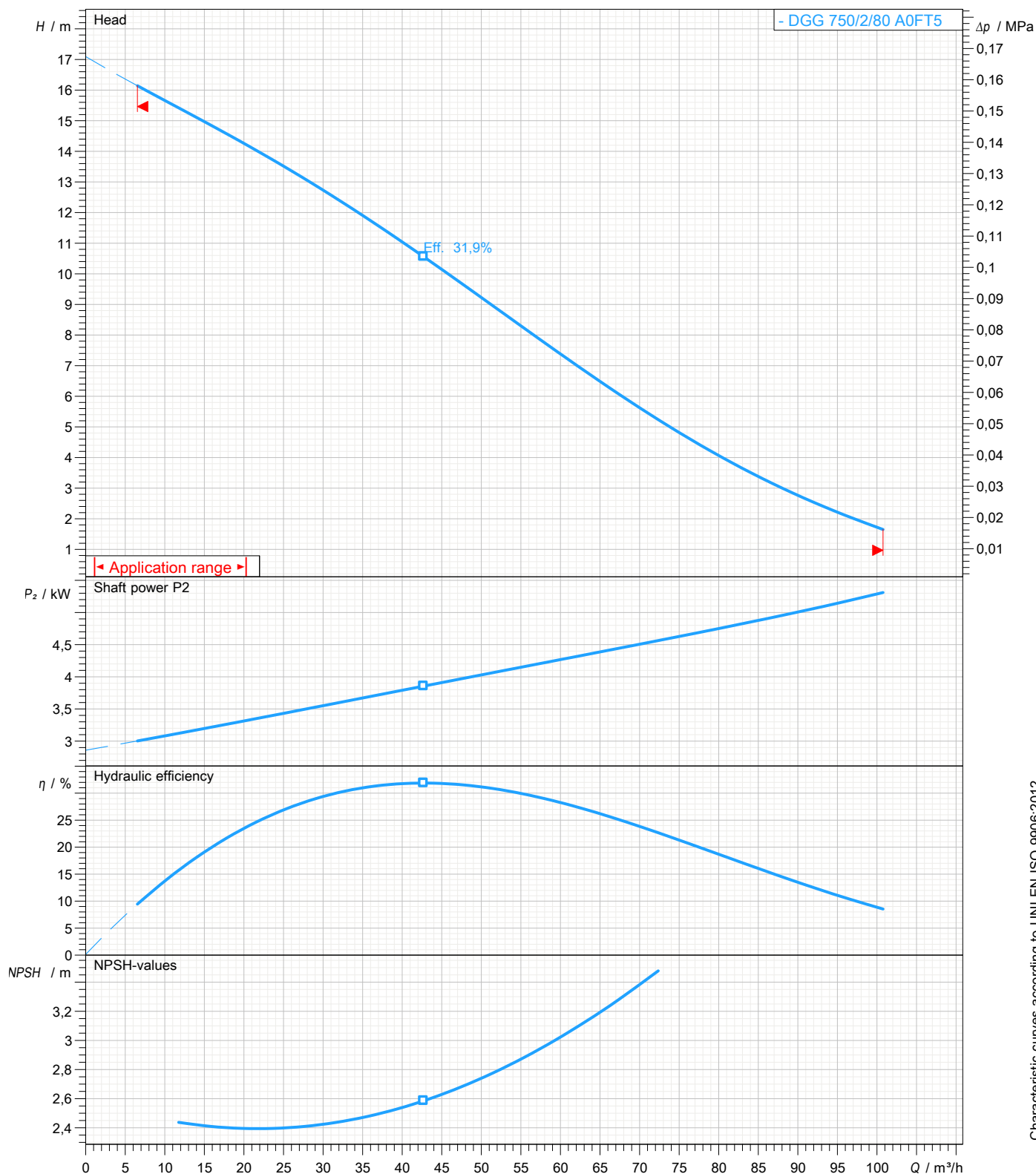
DGG 750/2/80 A0FT5

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 < 10 kW: paragraph 4.4.2
10 kW < P2 < 100 kW: Grade 3B
P2 > 100 kW: Grade 2B

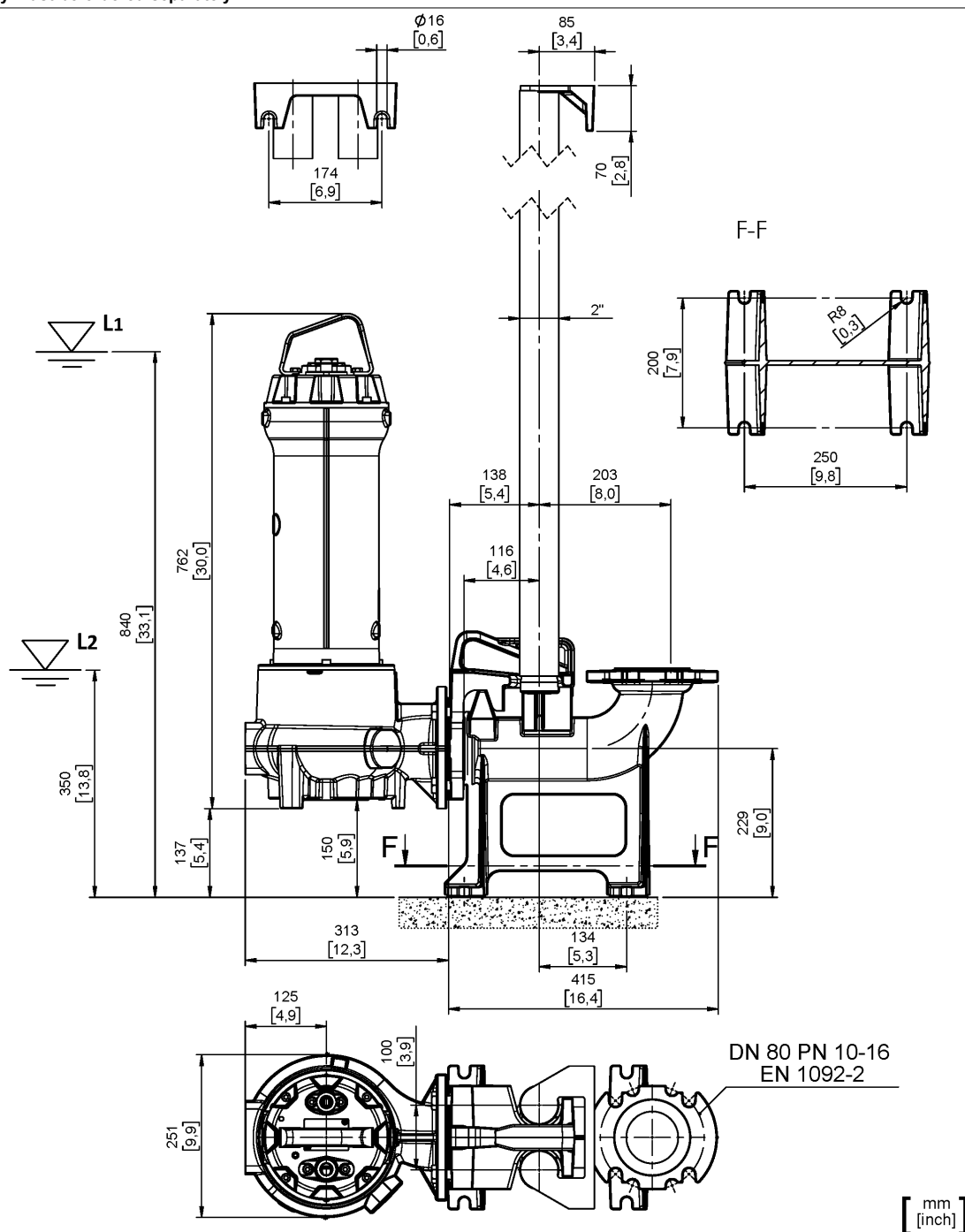


water solutions

Data sheet

DGG 750/2/80 A0FT5**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)



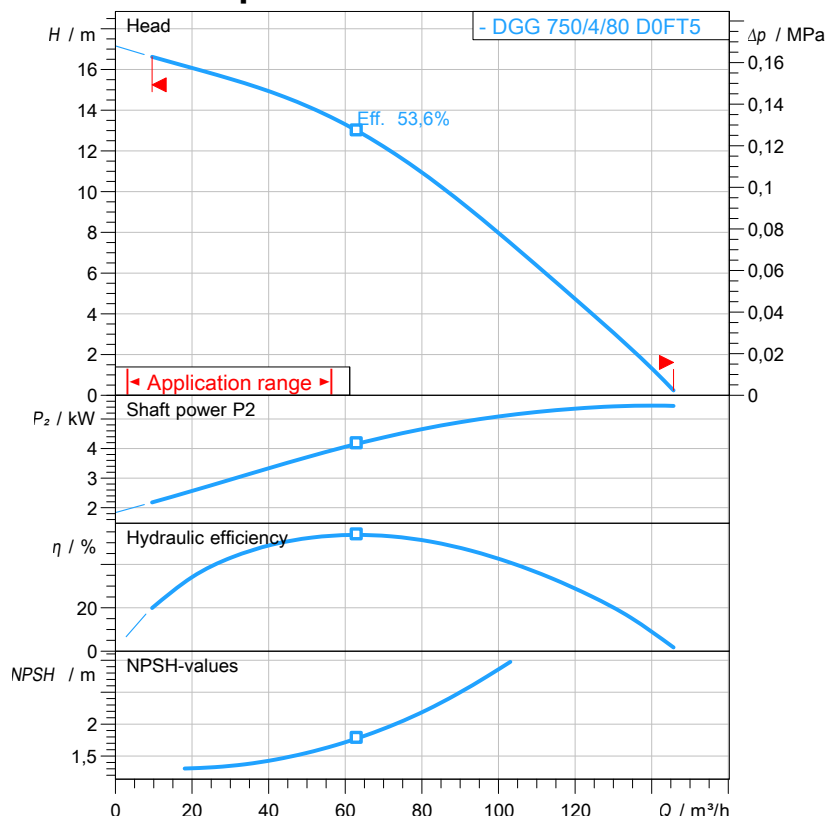
water solutions

Data sheet

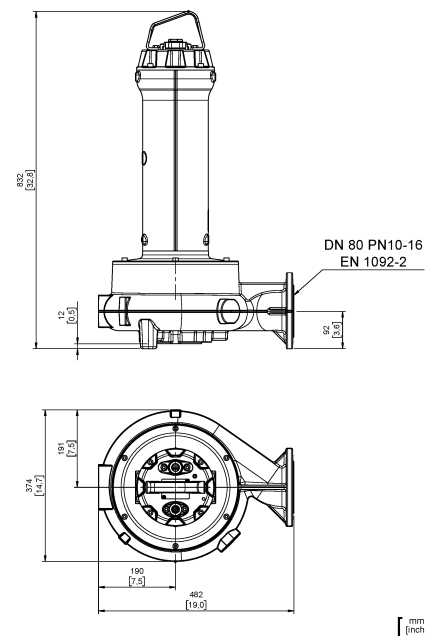
DGG 750/4/80 D0FT5

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 750/4/80 D0FT5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	5,5 kW
Incoming power P1	6,38 kW
Rated current	11,8 A
rpm	1432 1/min
Efficiency	86,2 %
cos φ	0,778
Rated torque	36,7 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	53,6 %
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*	97,2 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

Data sheet

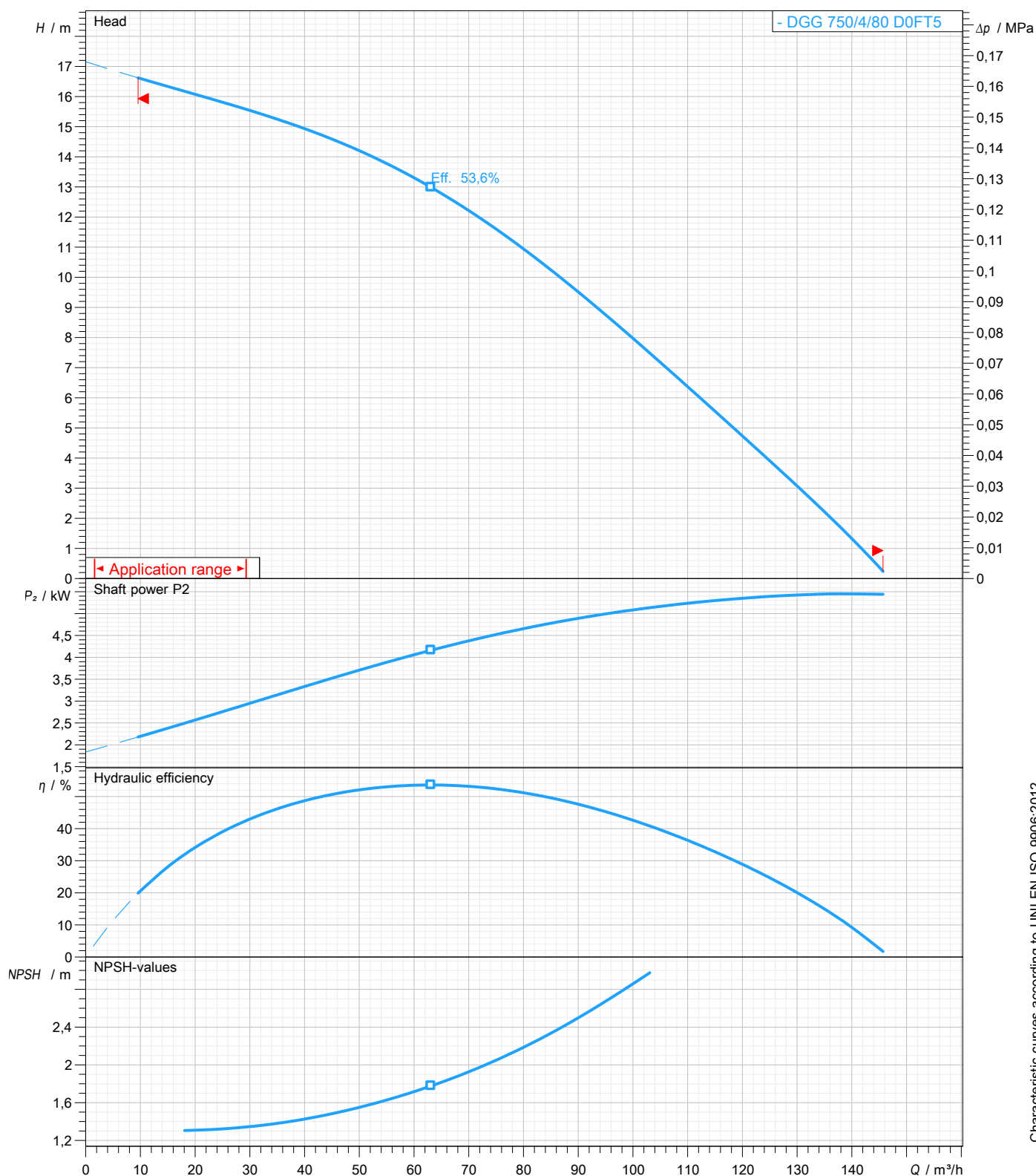
DGG 750/4/80 D0FT5

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



water solutions

Data sheet

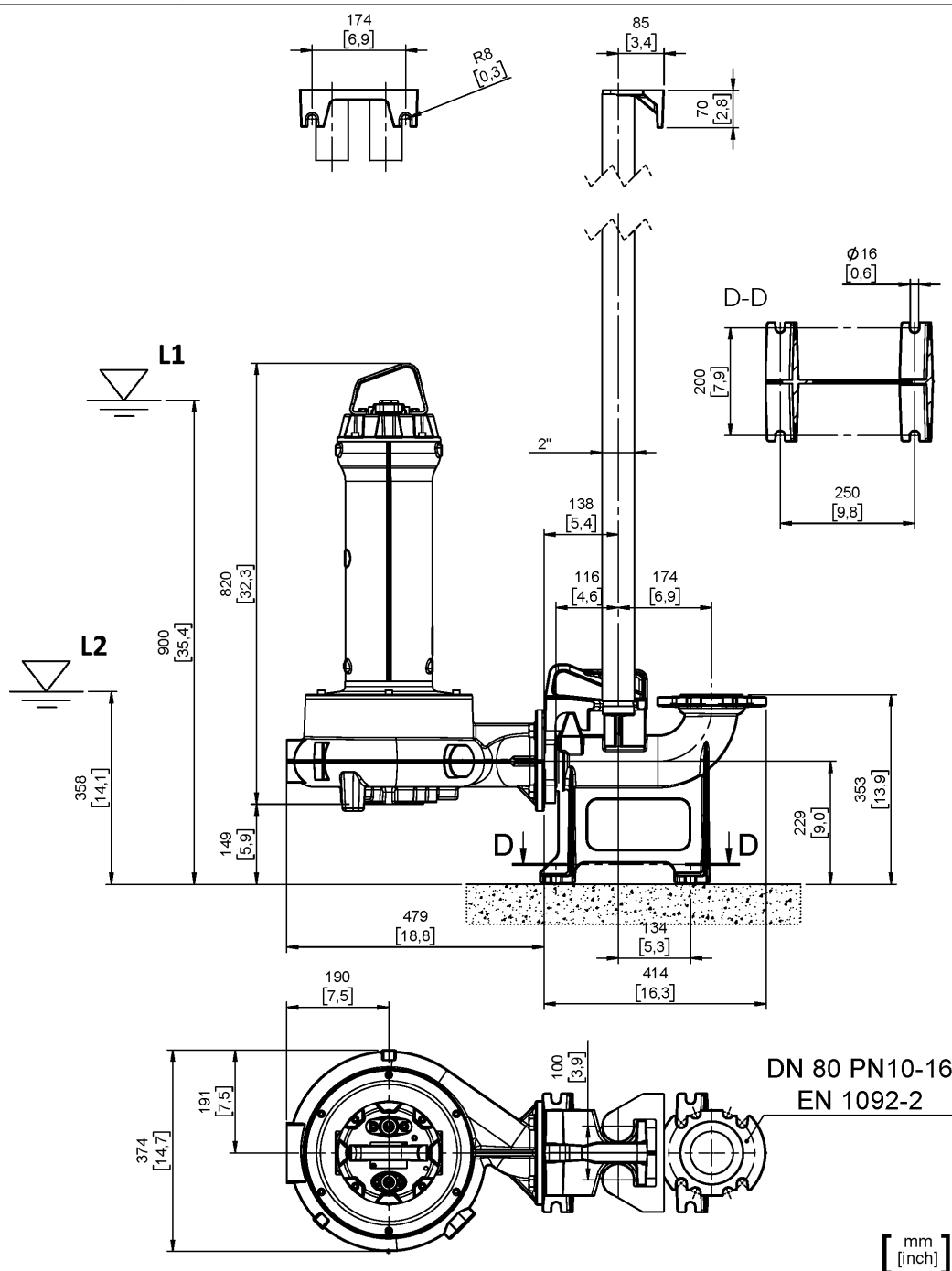
DGG 750/4/80 D0FT5

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)



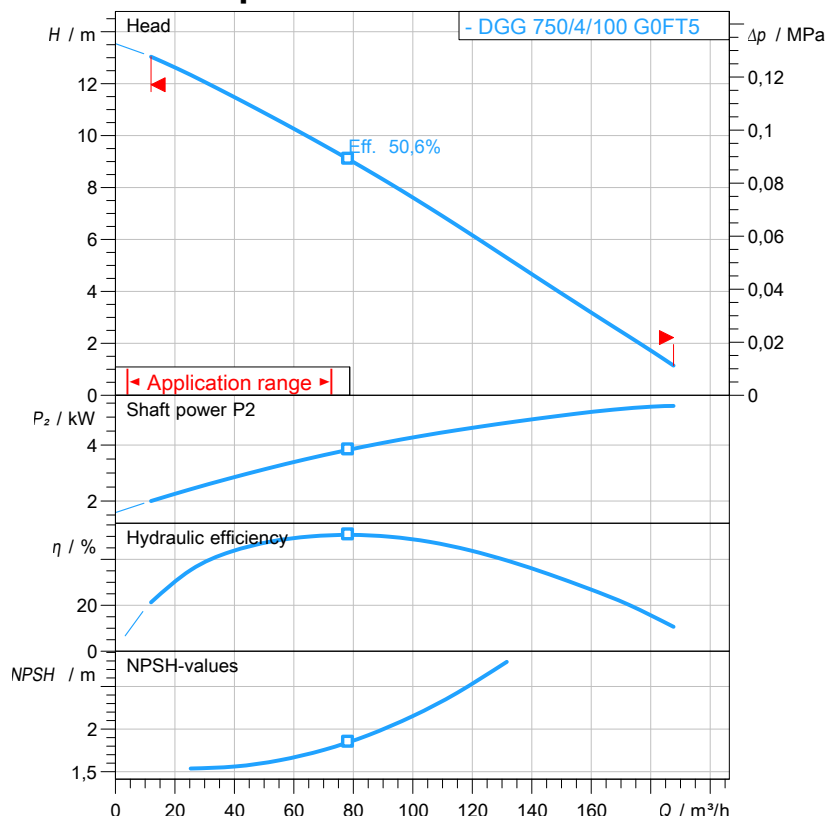
water solutions

Data sheet

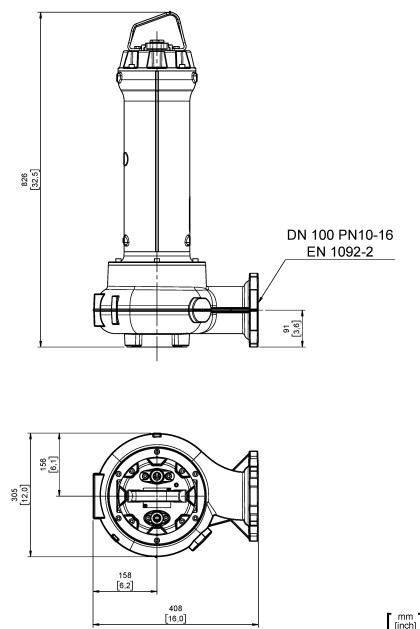
DGG 750/4/100 G0FT5

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 750/4/100 G0FT5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	5,5 kW
Incoming power P1	6,38 kW
Rated current	11,8 A
rpm	1432 1/min
Efficiency	86,2 %
cos φ	0,778
Rated torque	36,7 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	50,6 %
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*	83,2 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

Data sheet

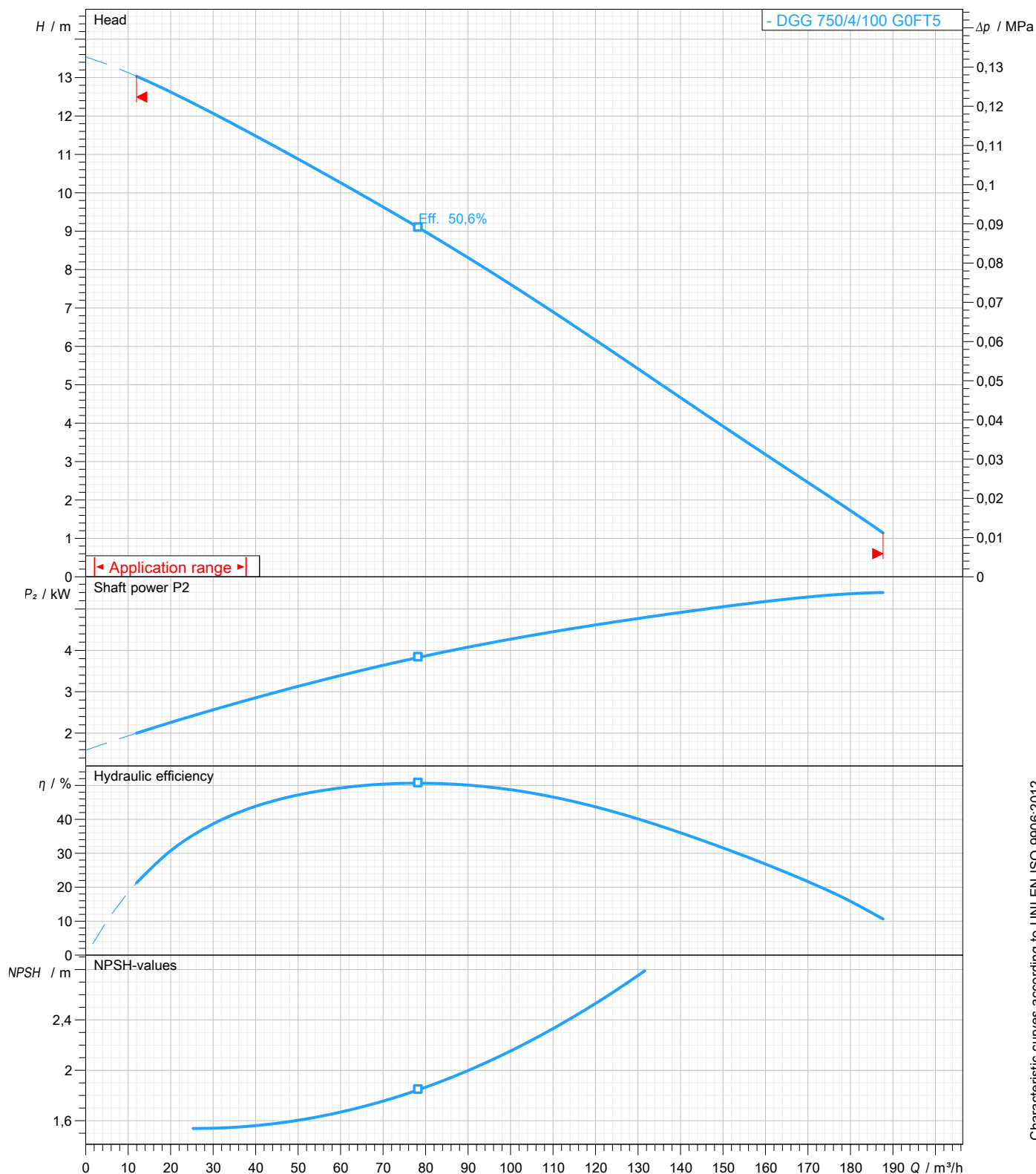
DGG 750/4/100 G0FT5

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 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<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B



water solutions

Data sheet

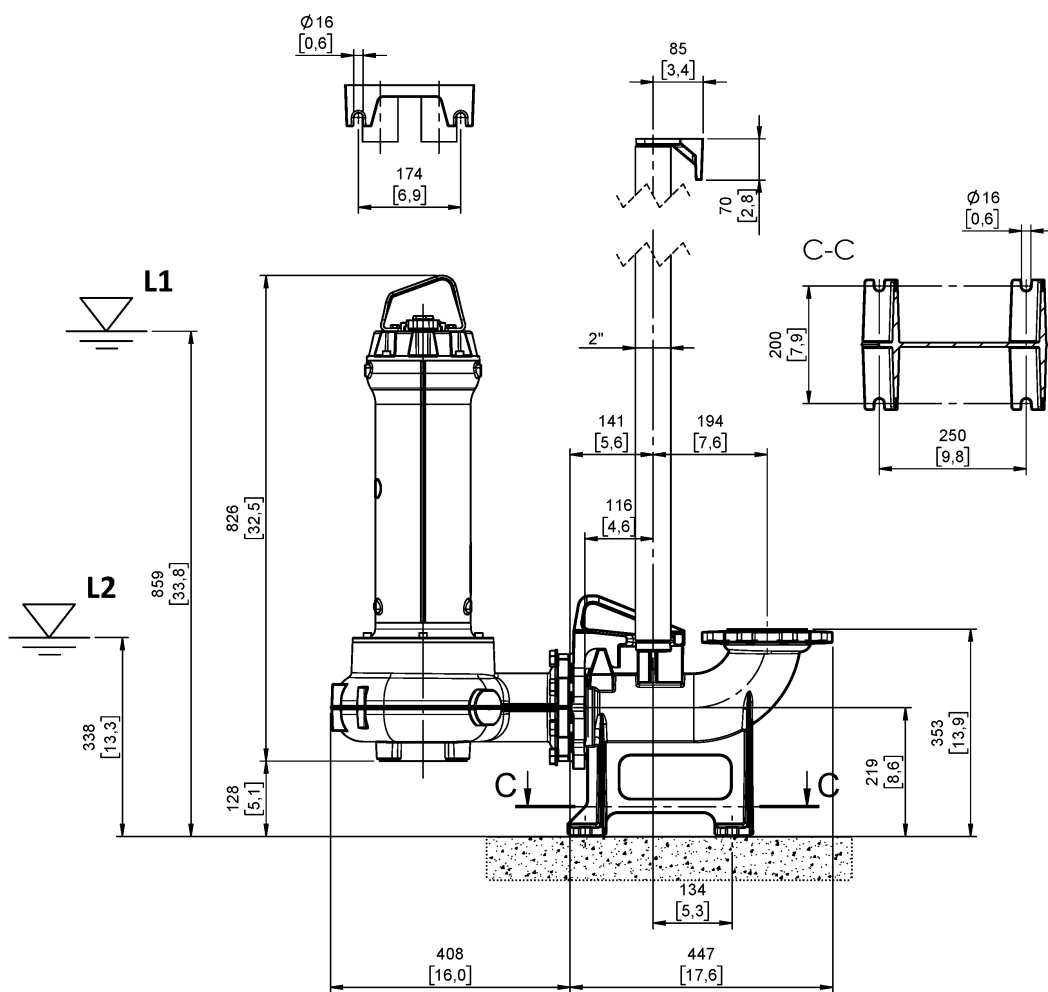
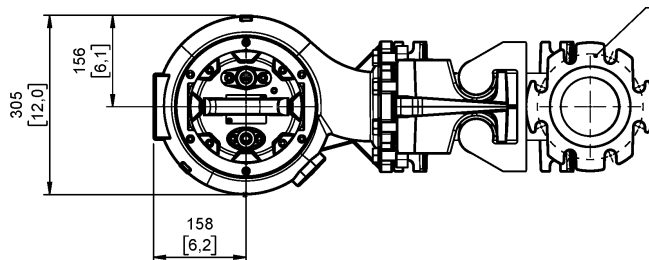
DGG 750/4/100 G0FT5

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		


 DN 100 PN10-16
 EN 1092-2

 [mm
 [inch]]

L1: Minimum operating level for continuous use

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



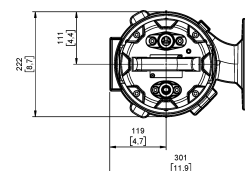
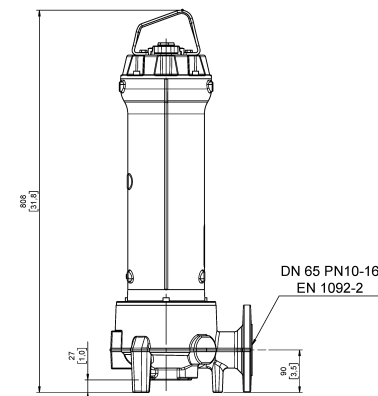
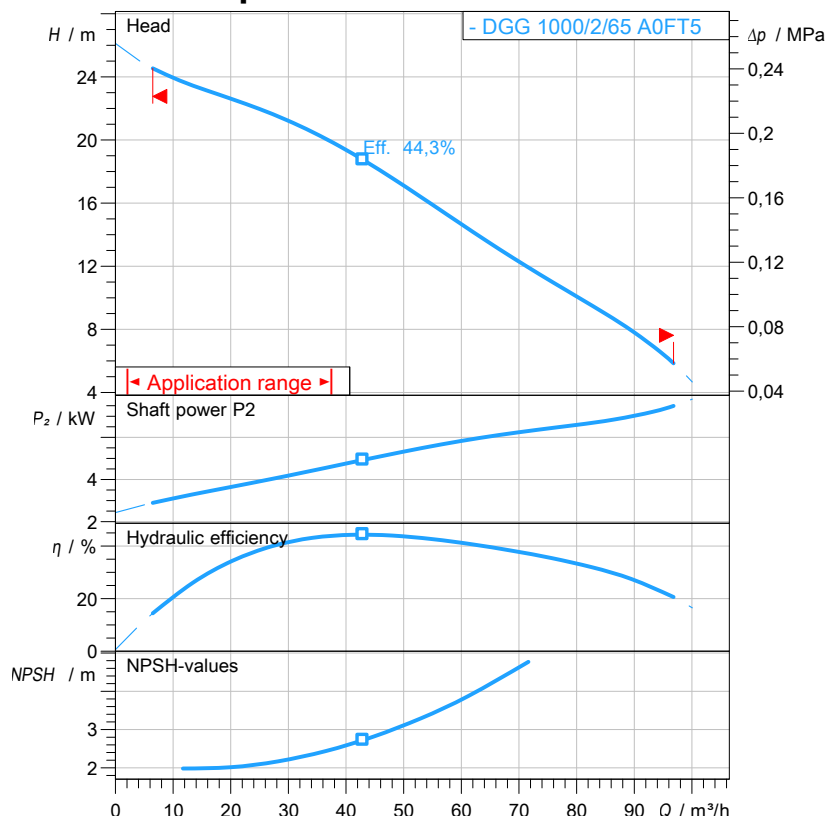
water solutions

Data sheet

DGG 1000/2/65 A0FT5

GREY
series

Technical specification

3~ 50 Hz
[mm
(inch)]

Pump

Series	GREY series
Pump name	DGG 1000/2/65 A0FT5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P2	7,5 kW
Incoming power P1	8,51 kW
Rated current	13,7 A
rpm	2873 1/min
Efficiency	88,1 %
cos φ	0,894
Rated torque	24,9 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	44,3 %
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*	81,8 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

Data sheet

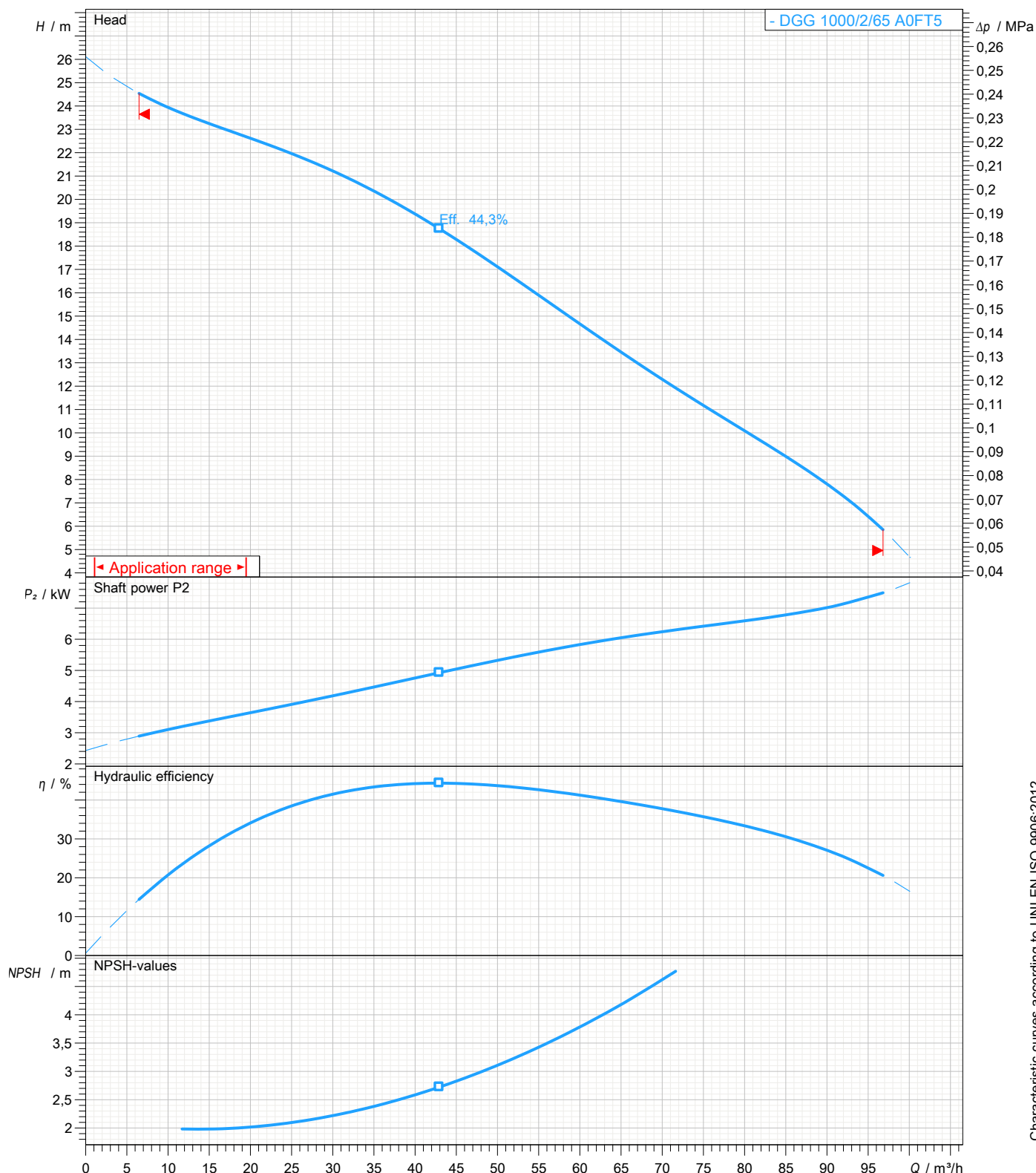
DGG 1000/2/65 A0FT5

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

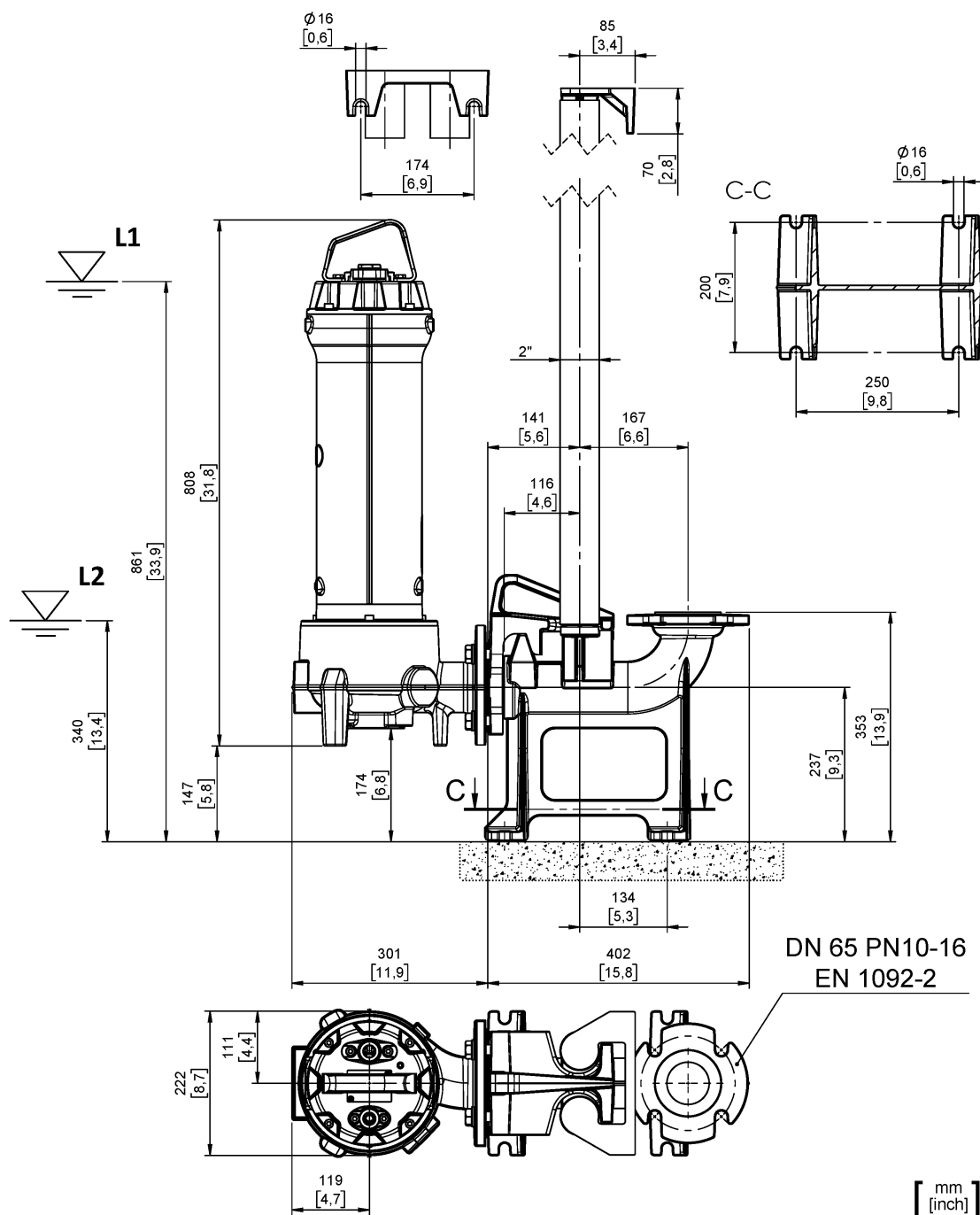
DGG 1000/2/65 A0FT5

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		



L1: Minimum operating level for continuous use

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



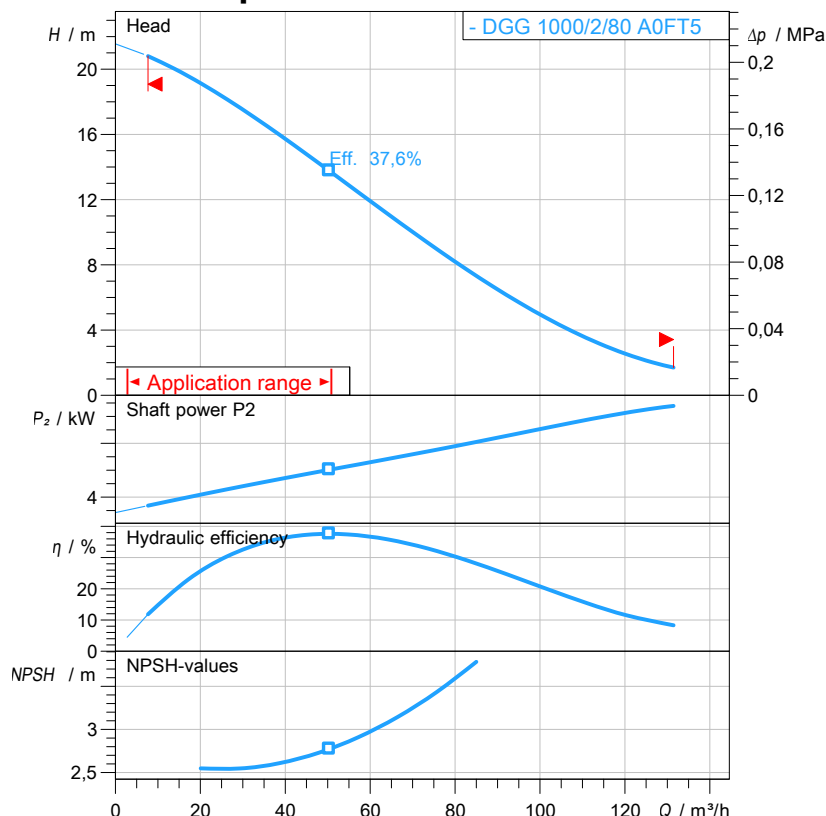
water solutions

Data sheet

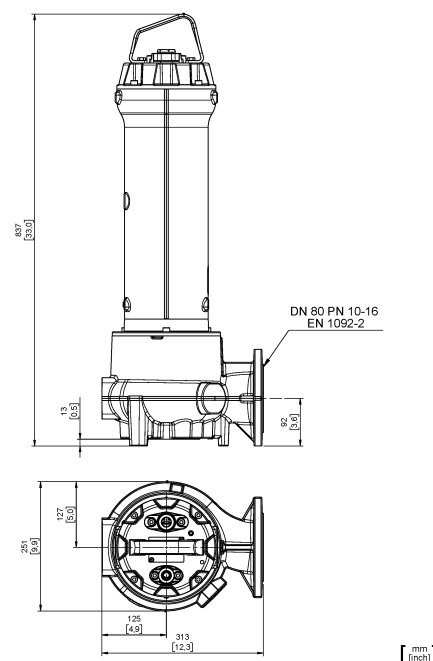
DGG 1000/2/80 A0FT5

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



Pump

Series	GREY series
Pump name	DGG 1000/2/80 A0FT5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P2	7,5 kW
Incoming power P1	8,51 kW
Rated current	13,7 A
rpm	2873 1/min
Efficiency	88,1 %
cos φ	0,894
Rated torque	24,9 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	37,6 %
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*	82,2 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

Data sheet

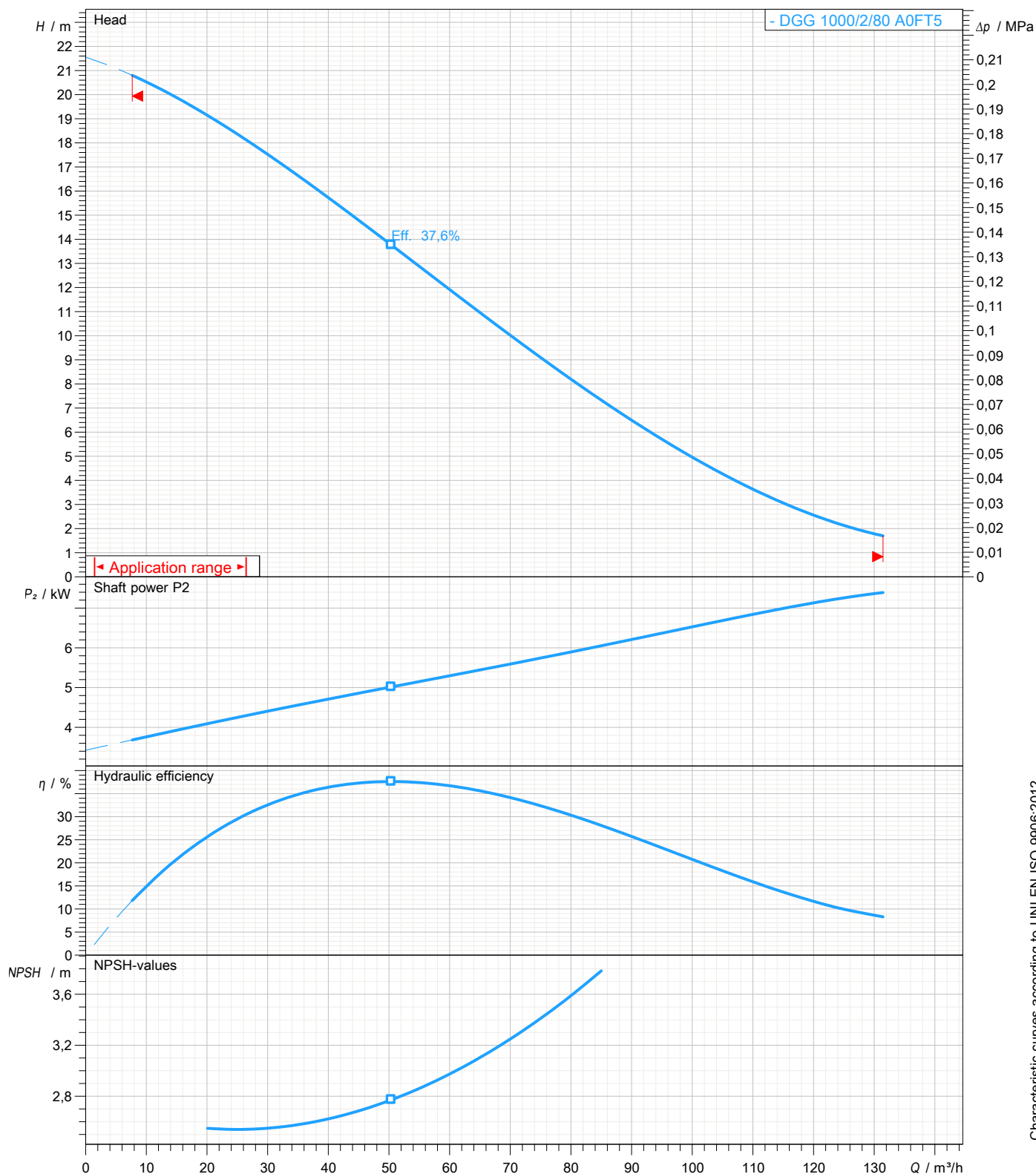
DGG 1000/2/80 A0FT5

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

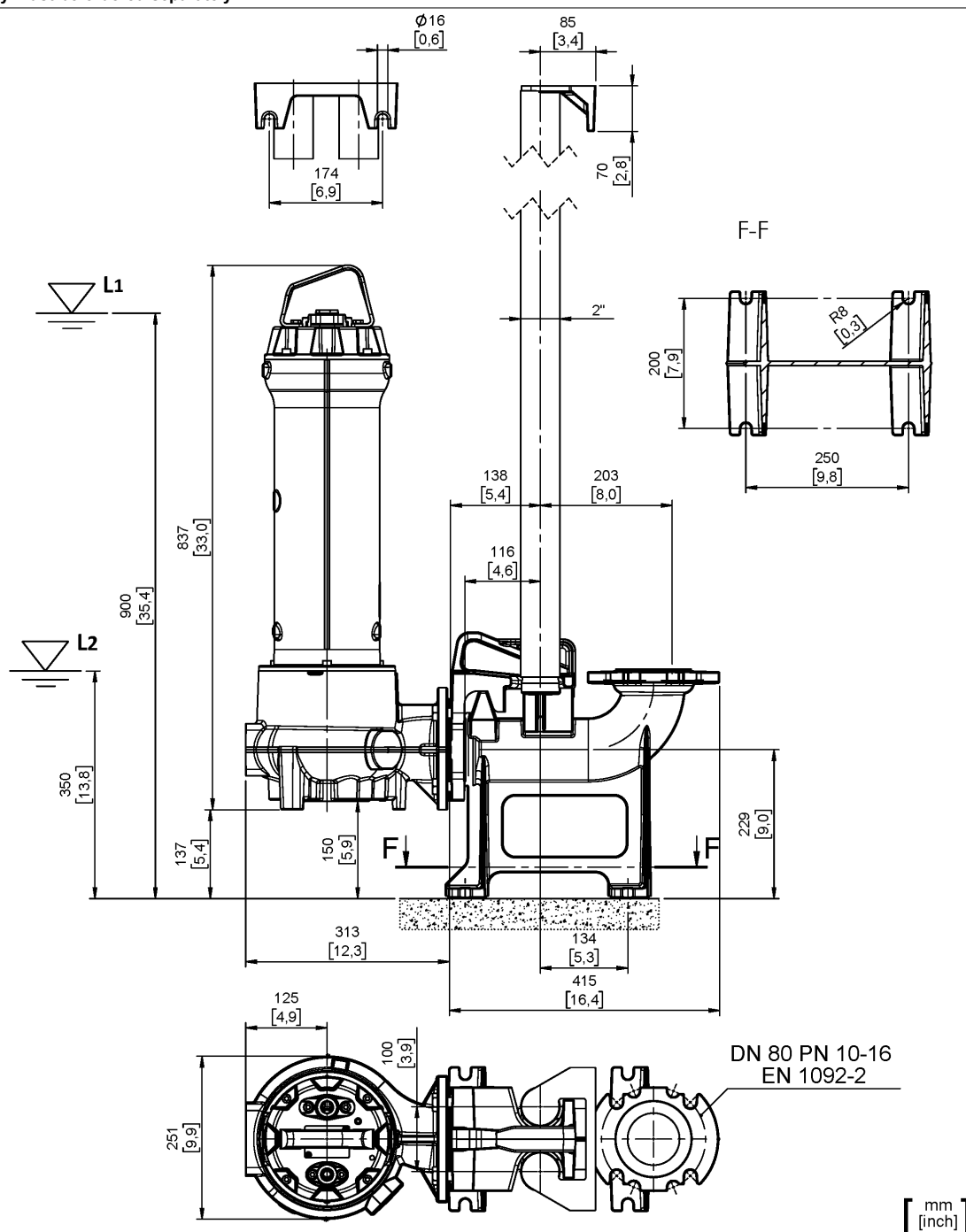
DGG 1000/2/80 A0FT5

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)