



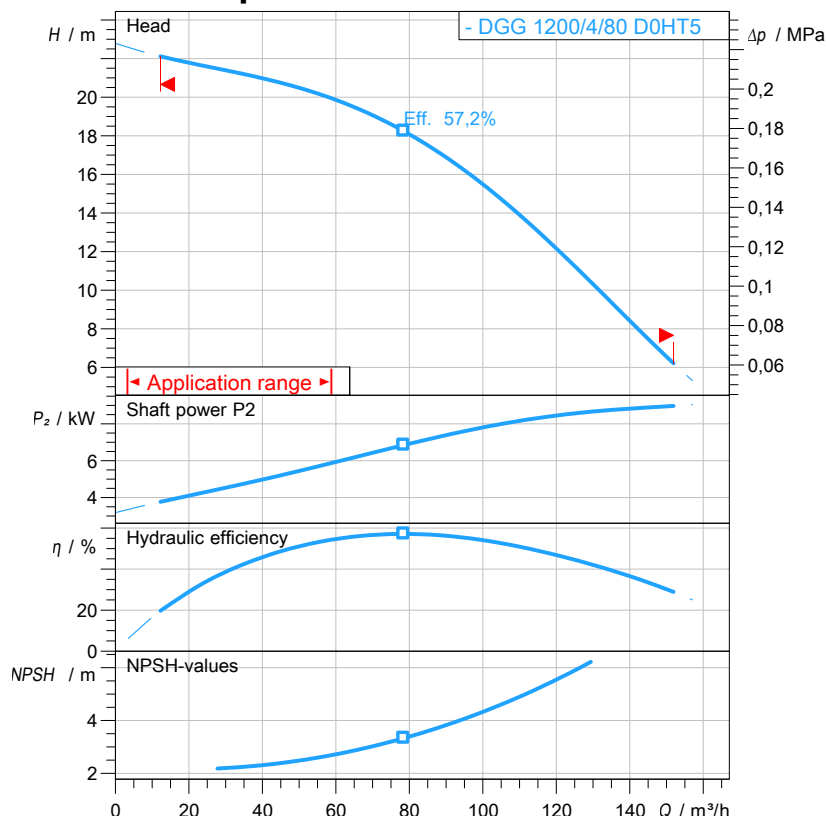
water solutions

Data sheet

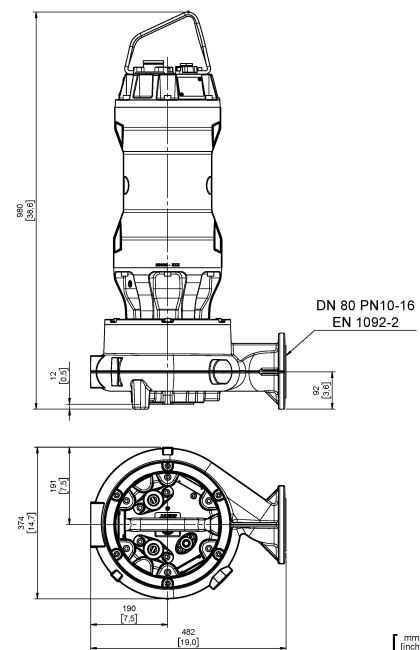
DGG 1200/4/80 D0HT5

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 1200/4/80 D0HT5
Configuration	NGTSB5104YN00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	9 kW
Incoming power P1	10,2 kW
Rated current	17 A
rpm	1451 1/min
Efficiency	88,2 %
cos φ	0,868
Rated torque	59,2 Nm
Start	Star-delta
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	57,2 %
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	7G1,5 + 3x1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	170 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



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Data sheet

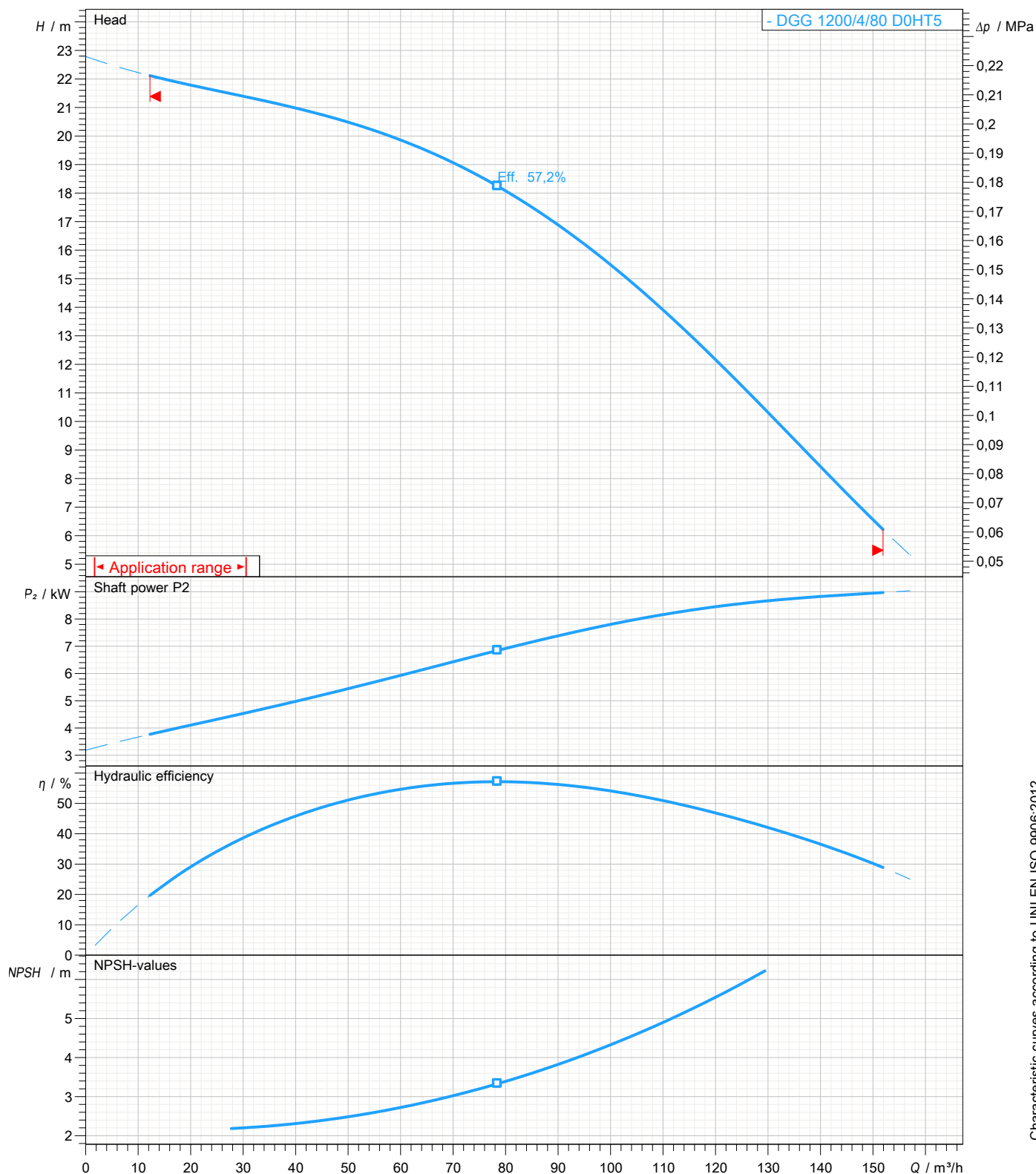
DGG 1200/4/80 D0HT5

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

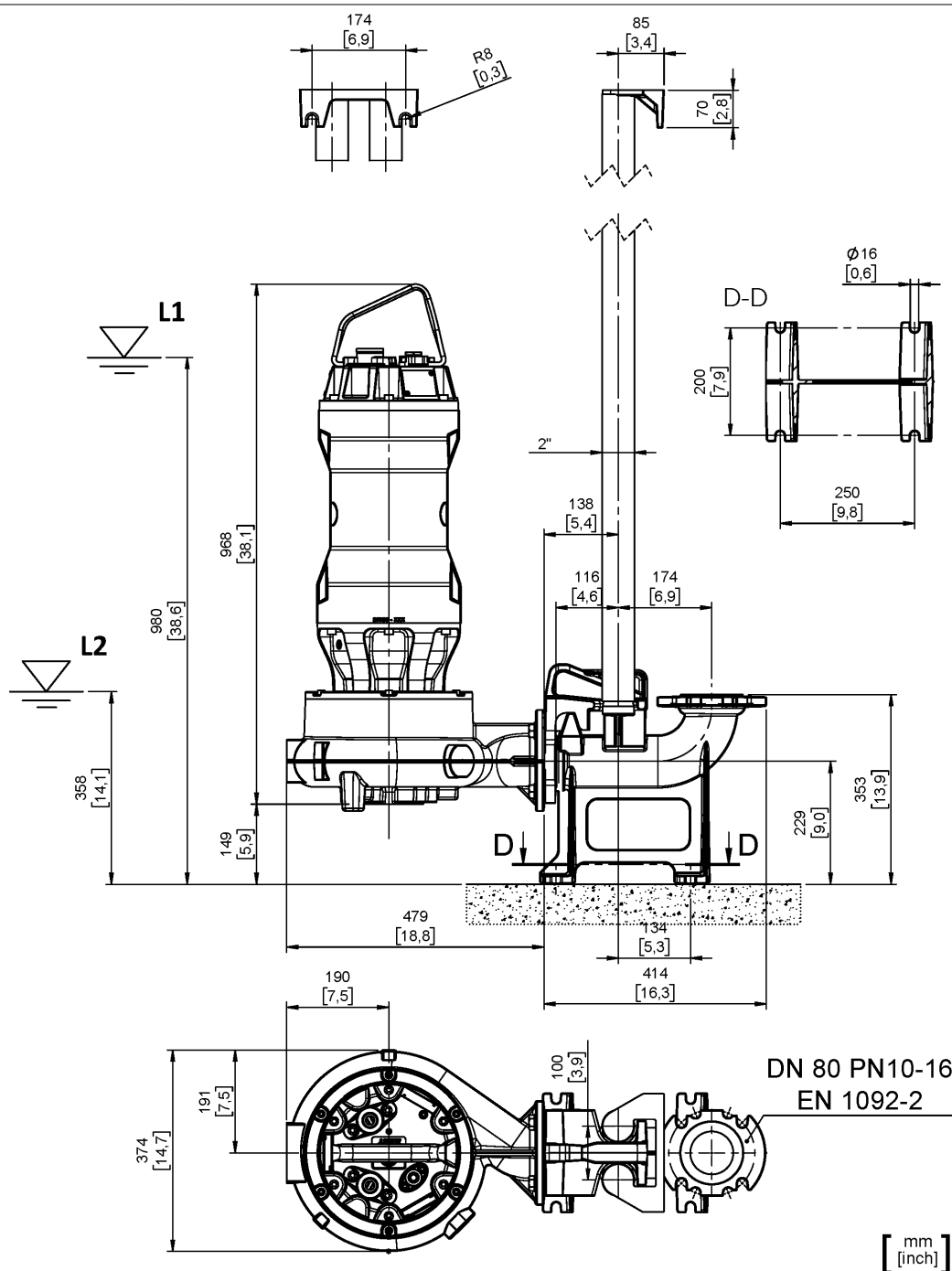
DGG 1200/4/80 D0HT5

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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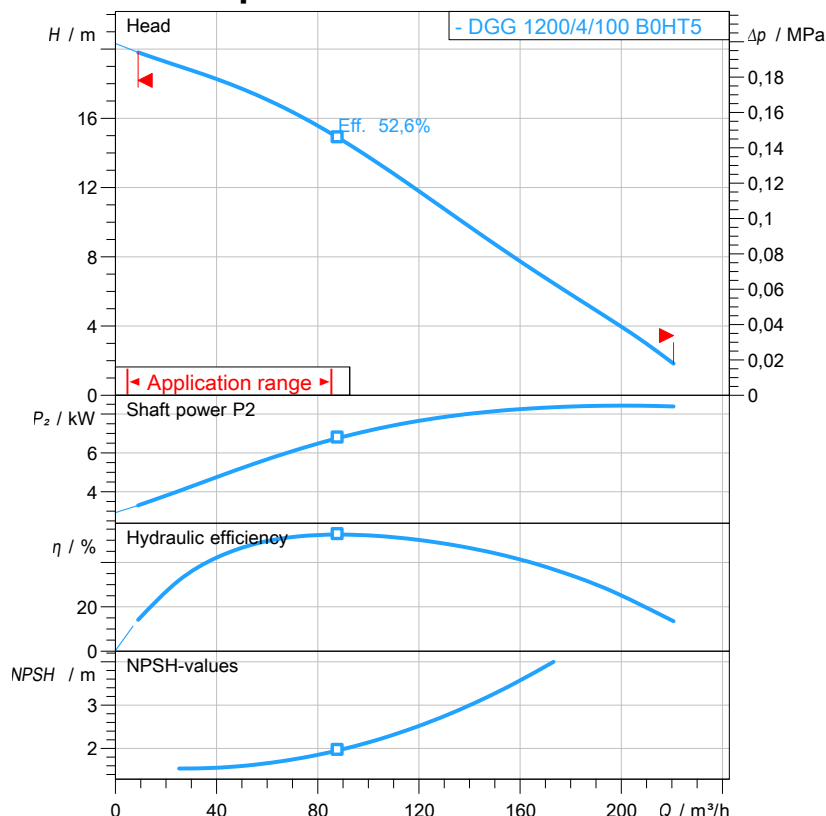
Data sheet

DGG 1200/4/100 B0HT5

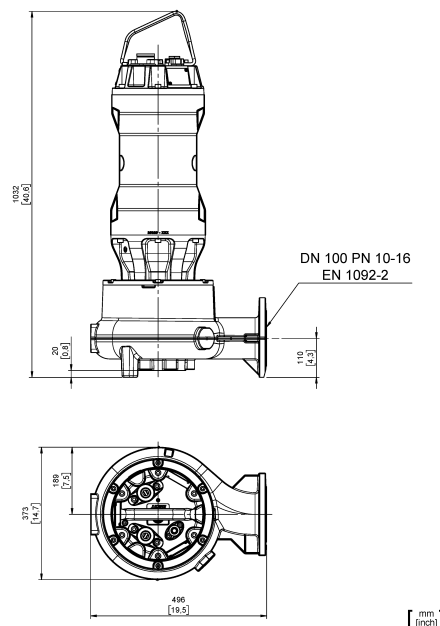
GREY
series

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 1200/4/100 B0HT5
Configuration	NGTSB5104YN00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	9 kW
Incoming power P1	10,2 kW
Rated current	17 A
rpm	1451 1/min
Efficiency	88,2 %
cos φ	0,868
Rated torque	59,2 Nm
Start	Star-delta
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	52,6 %
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	7G1,5 + 3x1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	177,2 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



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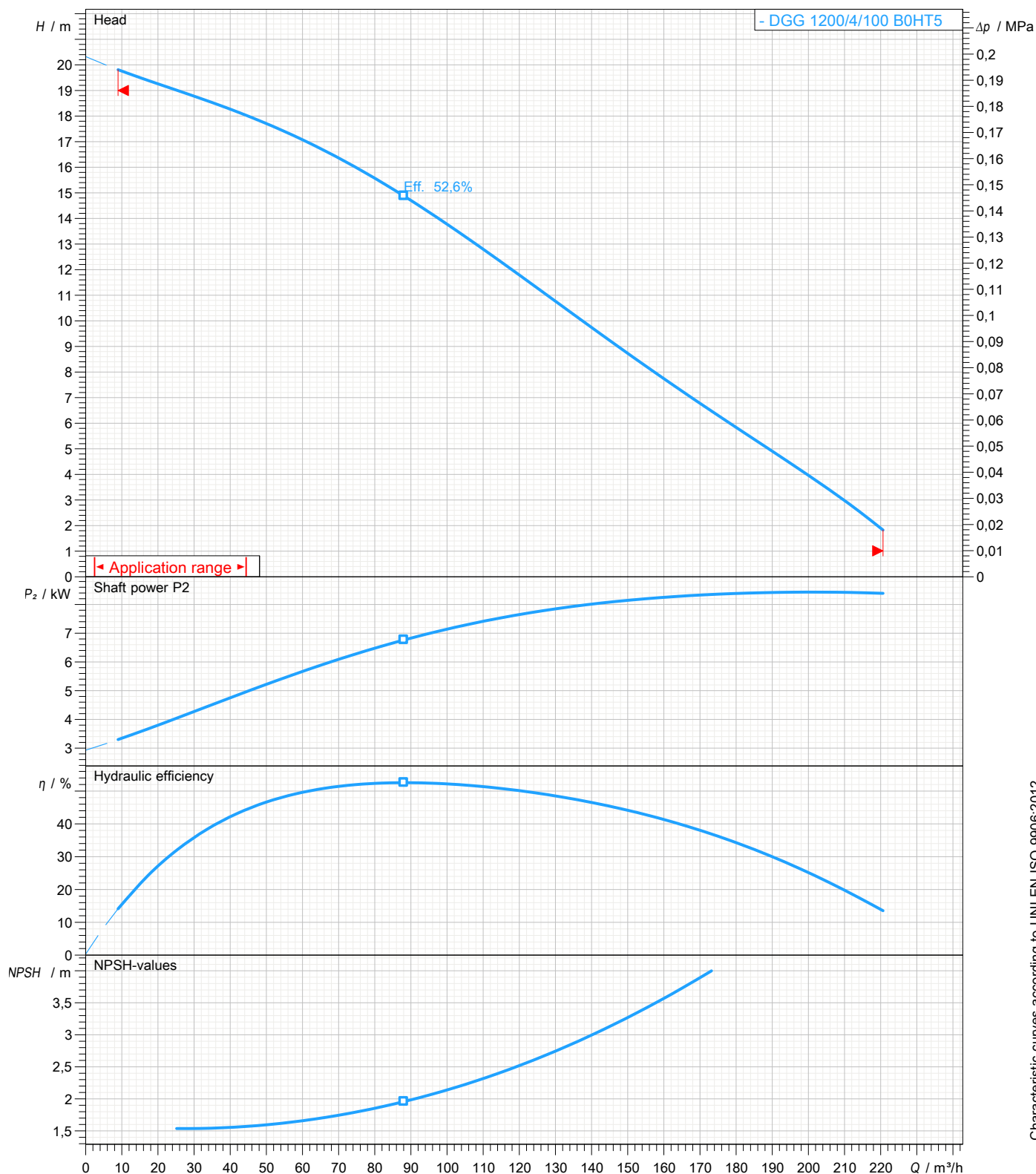
Data sheet

DGG 1200/4/100 B0HT5**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<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

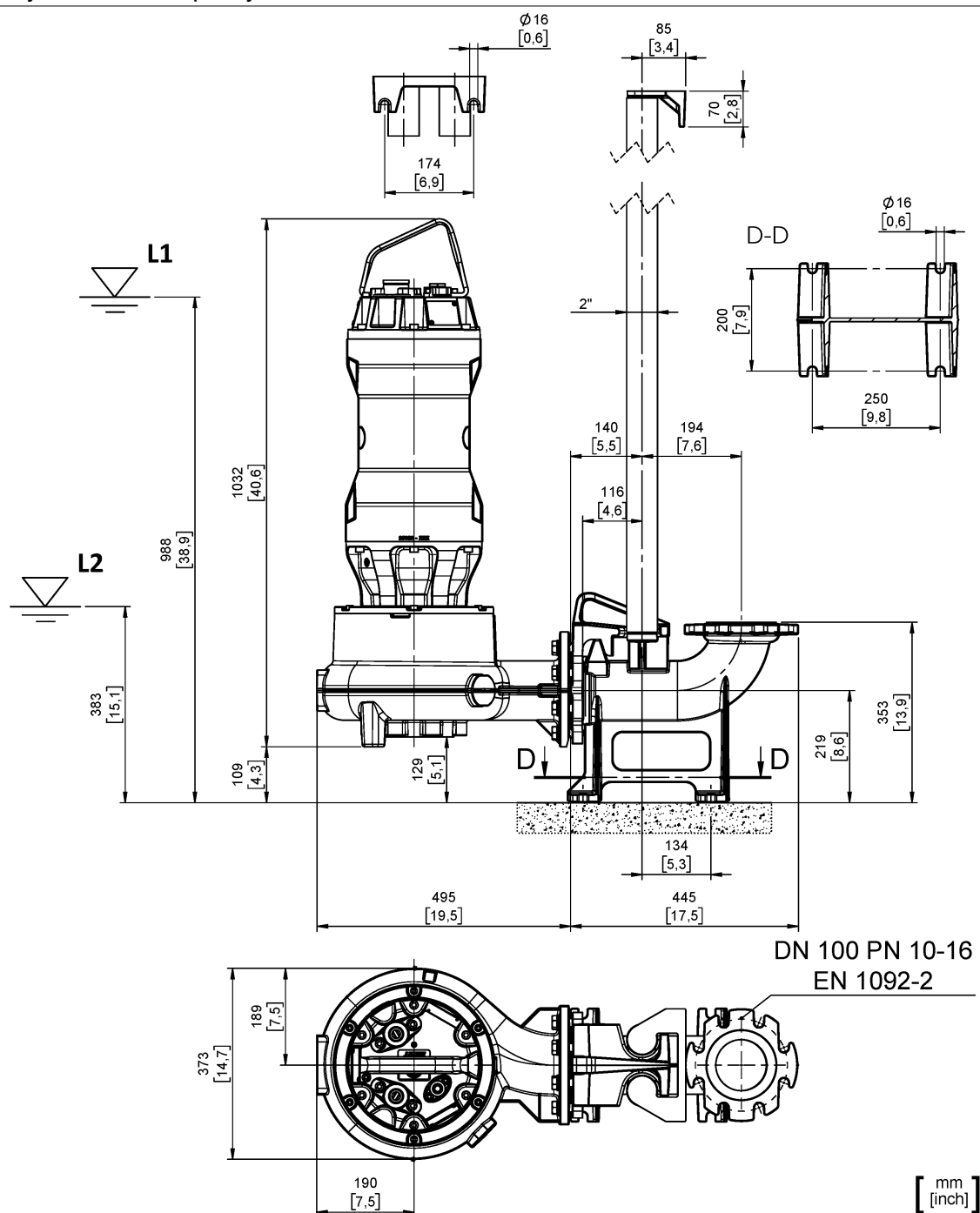


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Data sheet

DGG 1200/4/100 B0HT5**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)



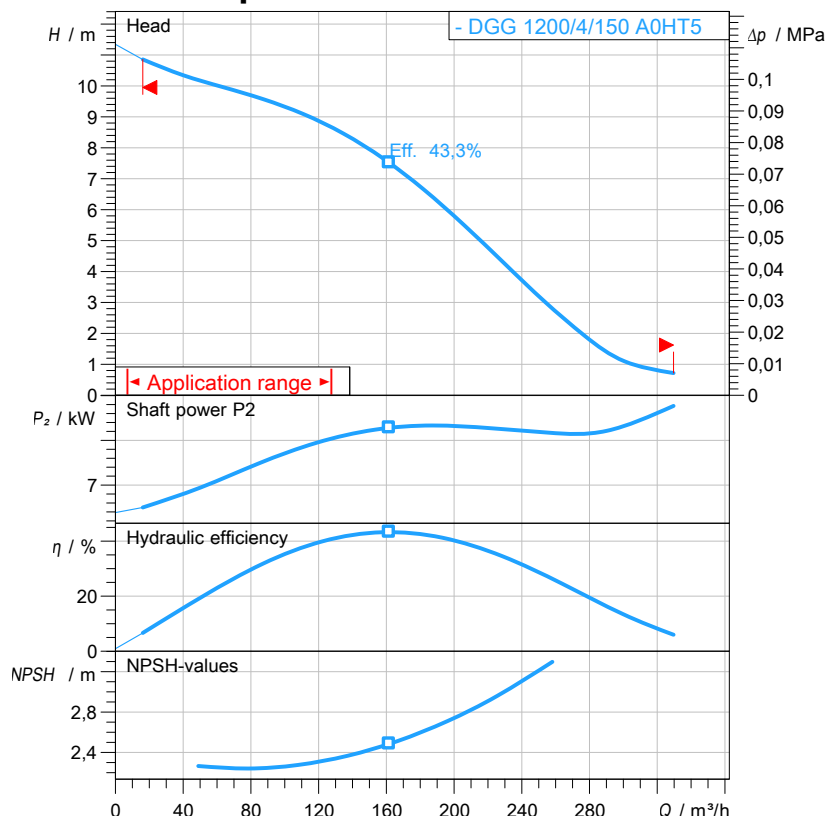
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Data sheet

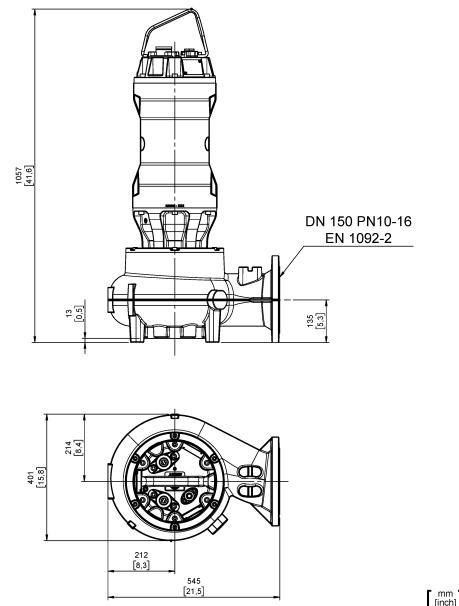
DGG 1200/4/150 A0HT5

GREY
series

Technical specification

3~ 50 Hz


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



Pump

Series	GREY series
Pump name	DGG 1200/4/150 A0HT5
Configuration	NGTSB5104YN00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P_2	9 kW
Incoming power P_1	10,2 kW
Rated current	17 A
rpm	1451 1/min
Efficiency	88,2 %
$\cos \phi$	0,868
Rated torque	59,2 Nm
Start	Star-delta
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DG (Set-back Vortex)
Free passage	125 mm
Impeller type	Set-back Vortex impeller
Max. hydraulic efficiency	43,3 %
Suction	DN 150 UNDRILLED
Discharge	DN 150 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	7G1,5 + 3x1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	212 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



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Data sheet

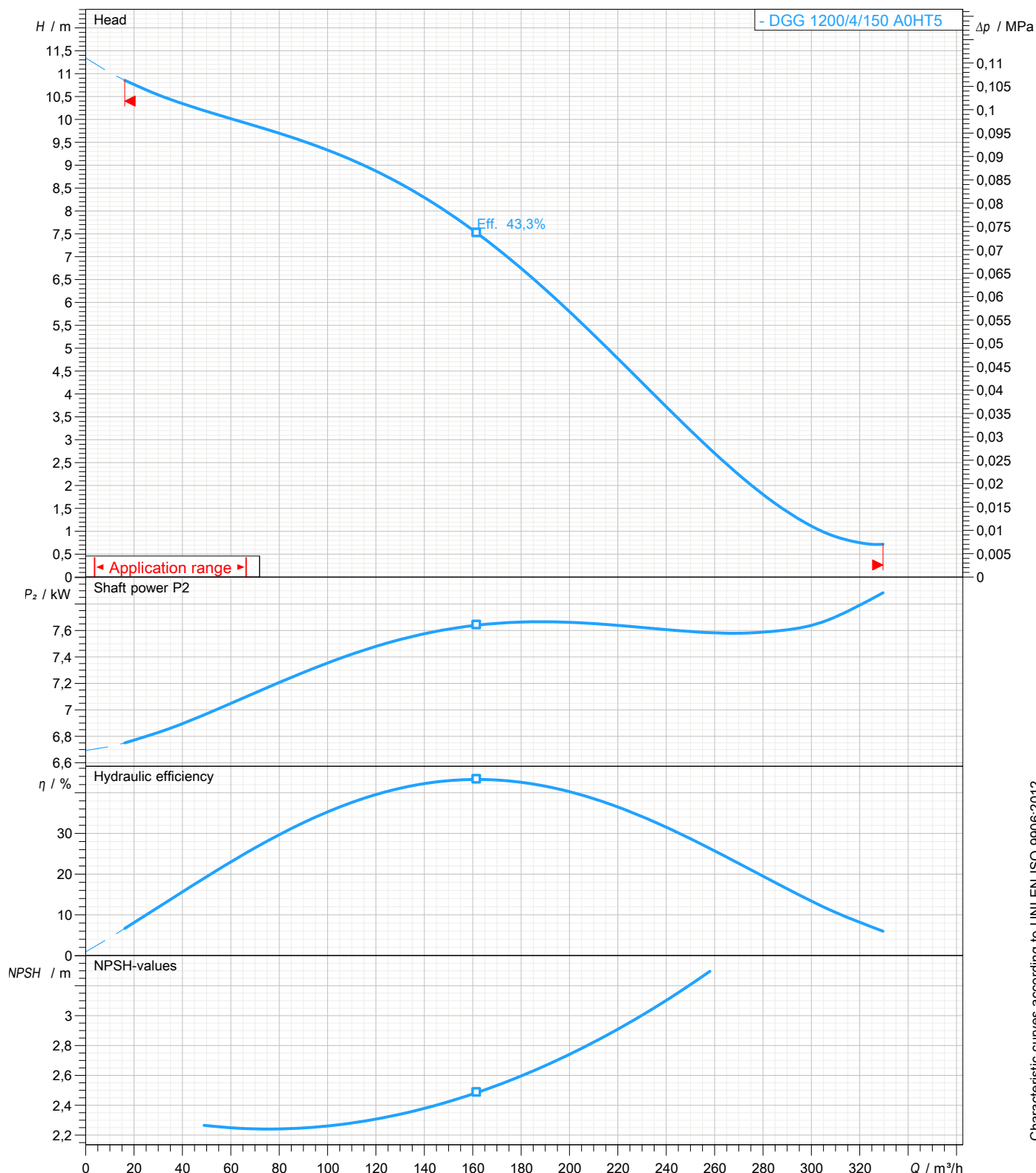
DGG 1200/4/150 A0HT5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DG (Set-back Vortex)		Impeller type Set-back Vortex impeller	Free passage 125 mm	Discharge DN 150	Suction DN 150
DUTY POINT					
Flow	Head	Shaft power P2	Hydraulic efficiency	Density 998,3 kg/m ³	Viscosity 1,005 mm ² /s

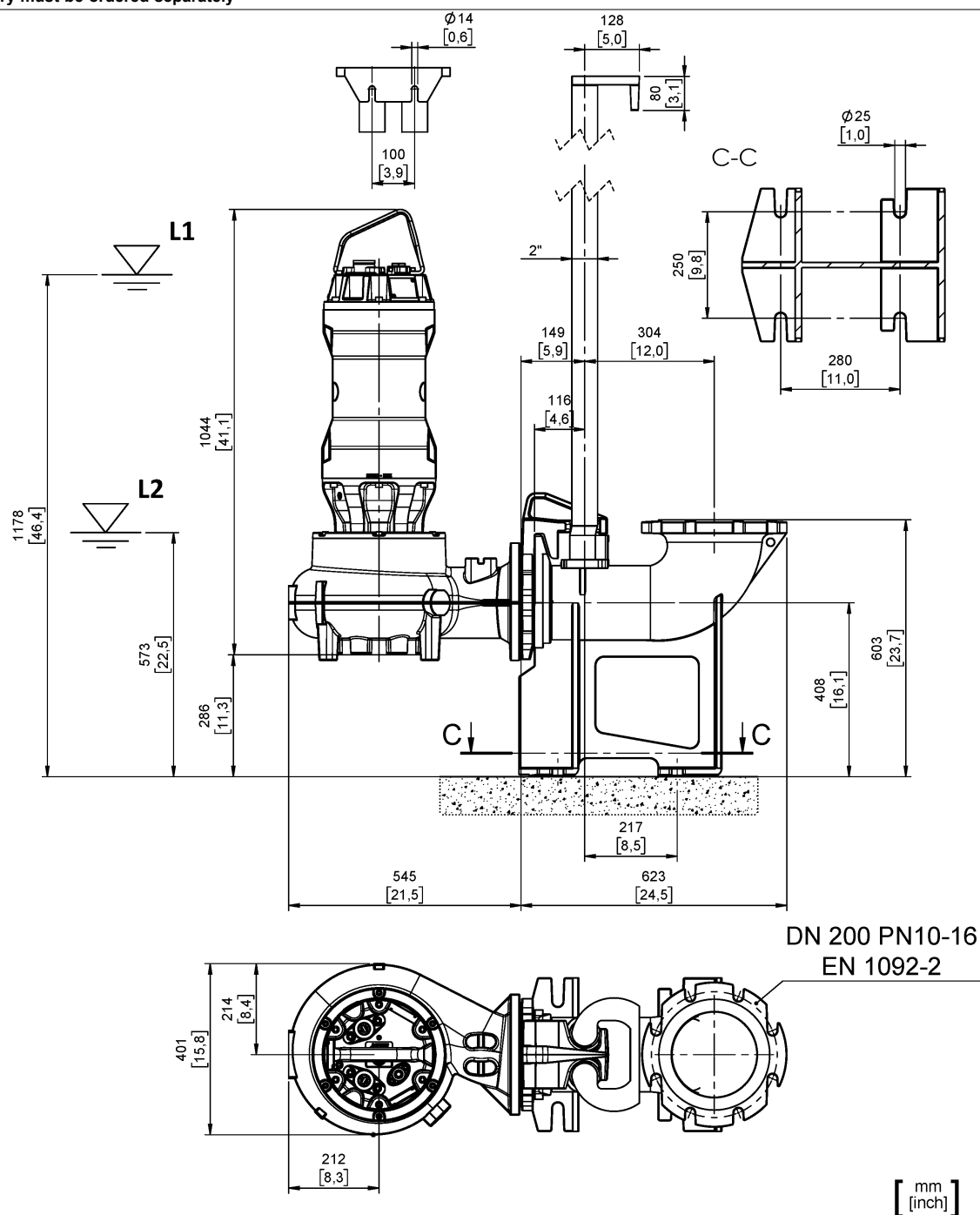


Characteristic curves according to UNI EN ISO 9906:2012
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

Dimensional drawing

3~ 50 Hz

Installation type P: bottom coupling device - vertical discharge DN200 - guide pipes 2"		
Wet/dry use WET	Drilling variant N	Flushing valve - drilling -
Discharge DN 150 EN 1092-2	Suction: DN 150 UNDRILLED	Pressure rating (suction/discharge) -/PN 10
Accessory DAC 150/200V+KAF 116-2" EN (P)		Accessory code 9001.010
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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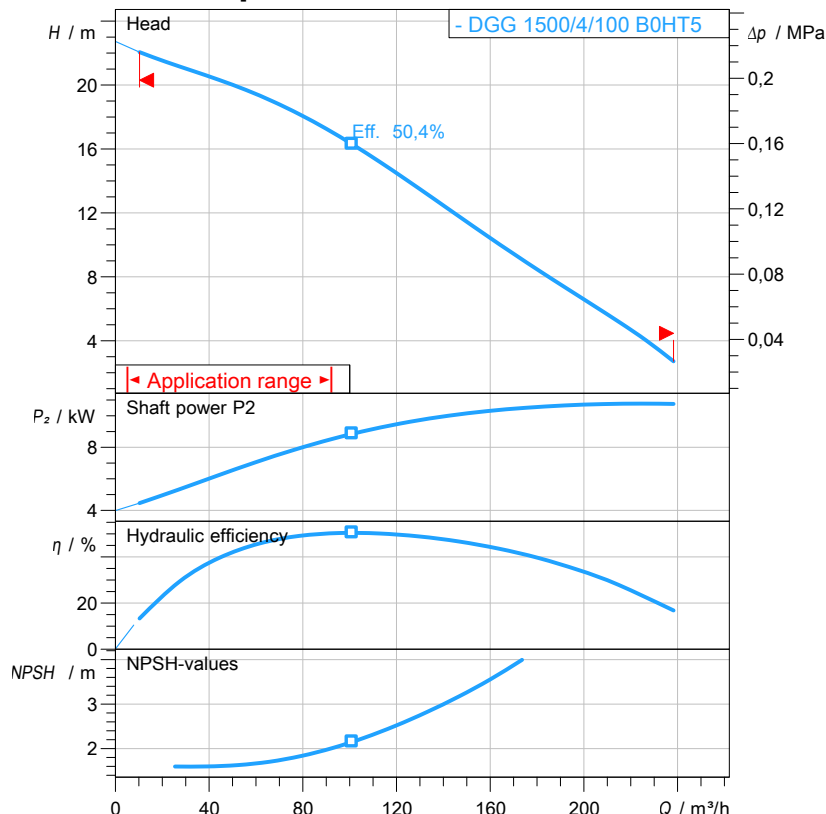
Data sheet

DGG 1500/4/100 B0HT5

GREY
series

Technical specification

3~ 50 Hz

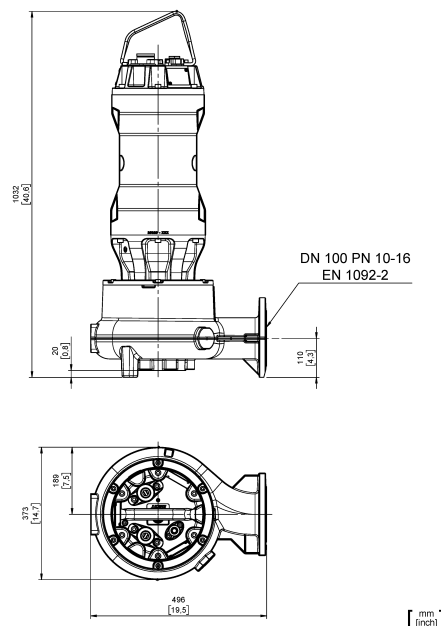


Characteristic curves according to UNI EN ISO 9906:2012

$P_2 < 10kW$: paragraph 4.4.2

$10kW < P_2 < 100kW$: Grade 3B

$P_2 > 100kW$: Grade 2B



Pump

Series	GREY series
Pump name	DGG 1500/4/100 B0HT5
Configuration	NGTSB5104YN00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P_2	11 kW
Incoming power P_1	12,6 kW
Rated current	20,5 A
rpm	1435 1/min
Efficiency	87,6 %
$\cos \phi$	0,883
Rated torque	73,2 Nm
Start	Star-delta
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	50,4 %
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	7G1,5 + 3x1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	177,2 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



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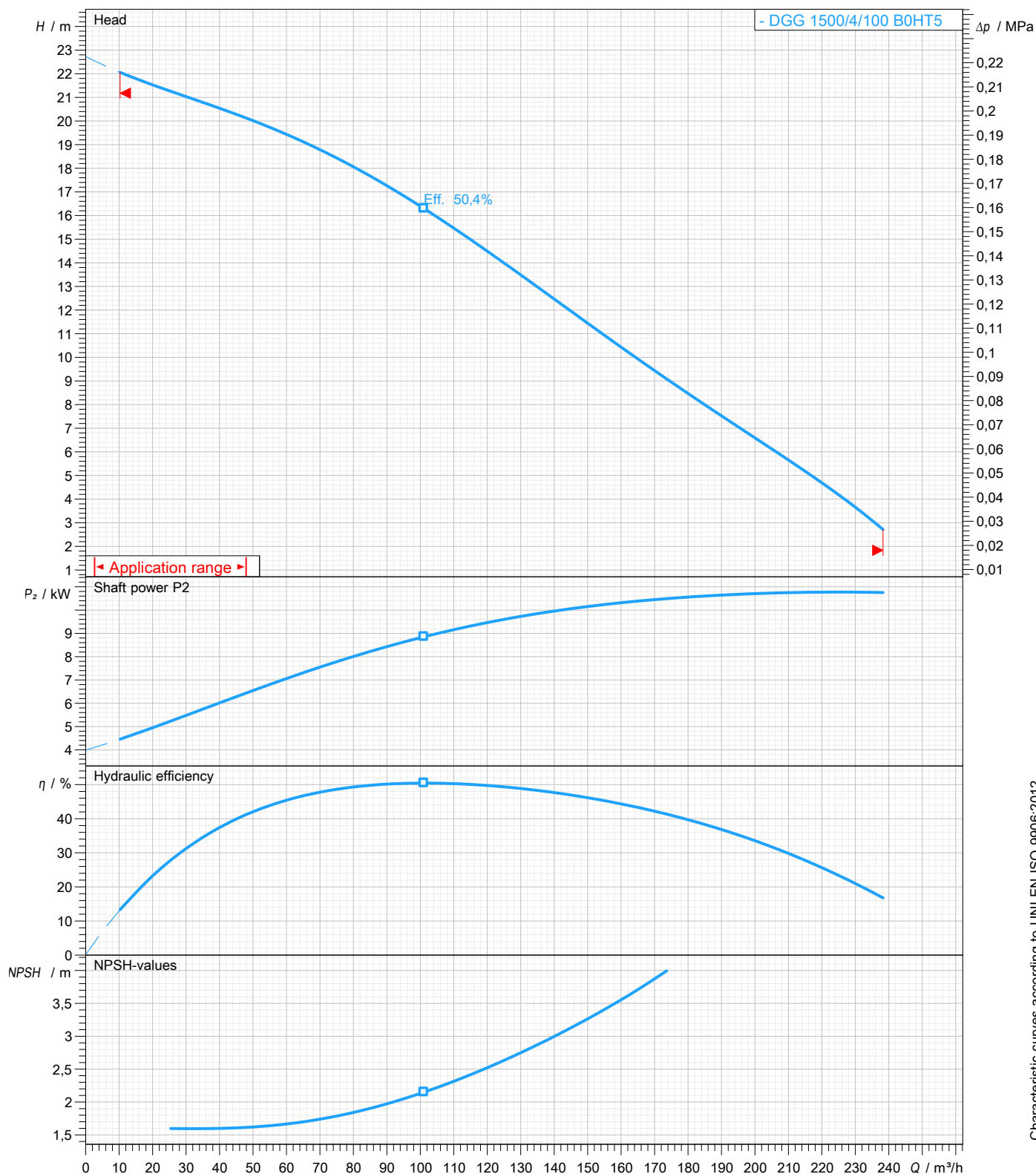
Data sheet

DGG 1500/4/100 B0HT5**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/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

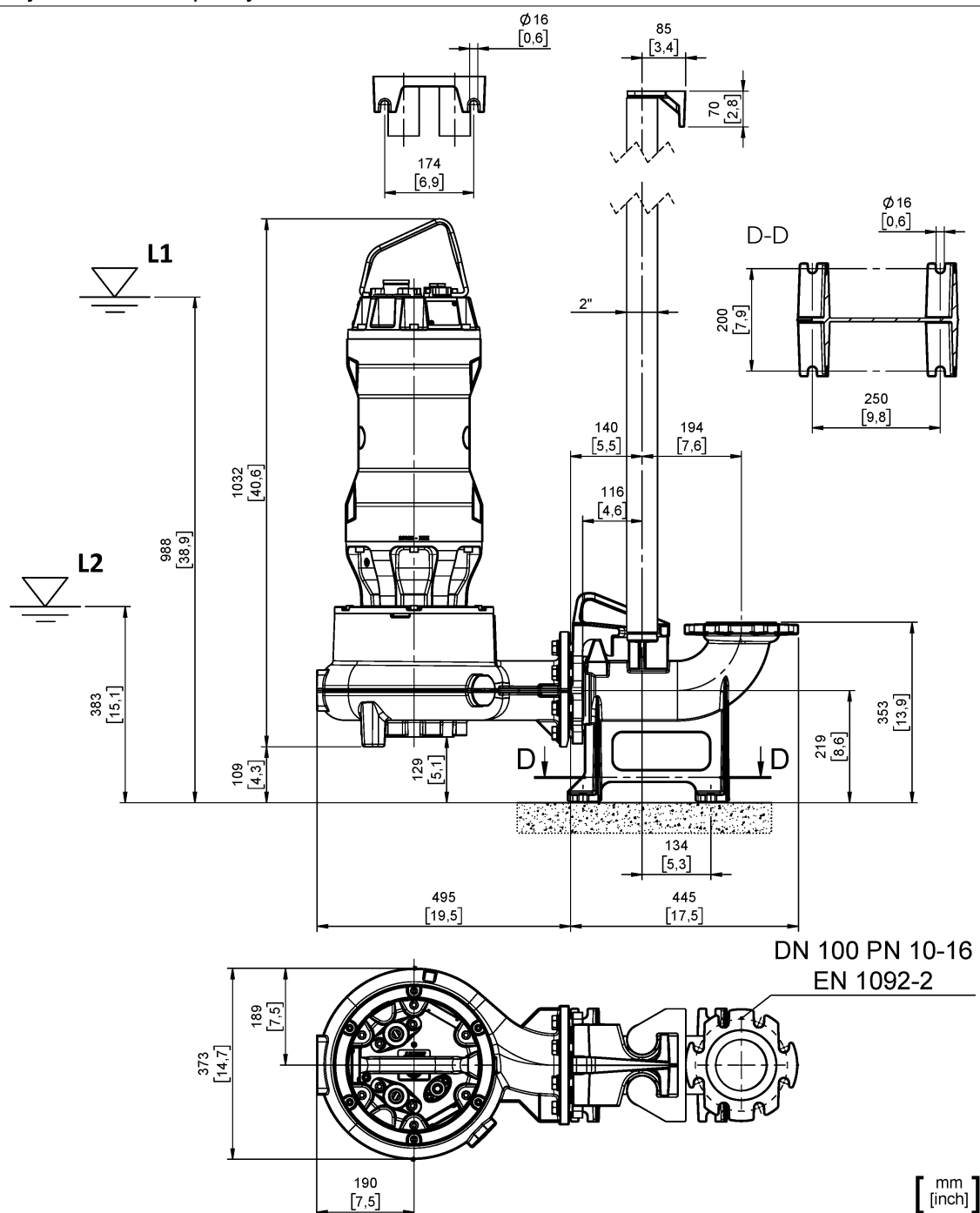


water solutions

Data sheet

DGG 1500/4/100 B0HT5**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)



water solutions

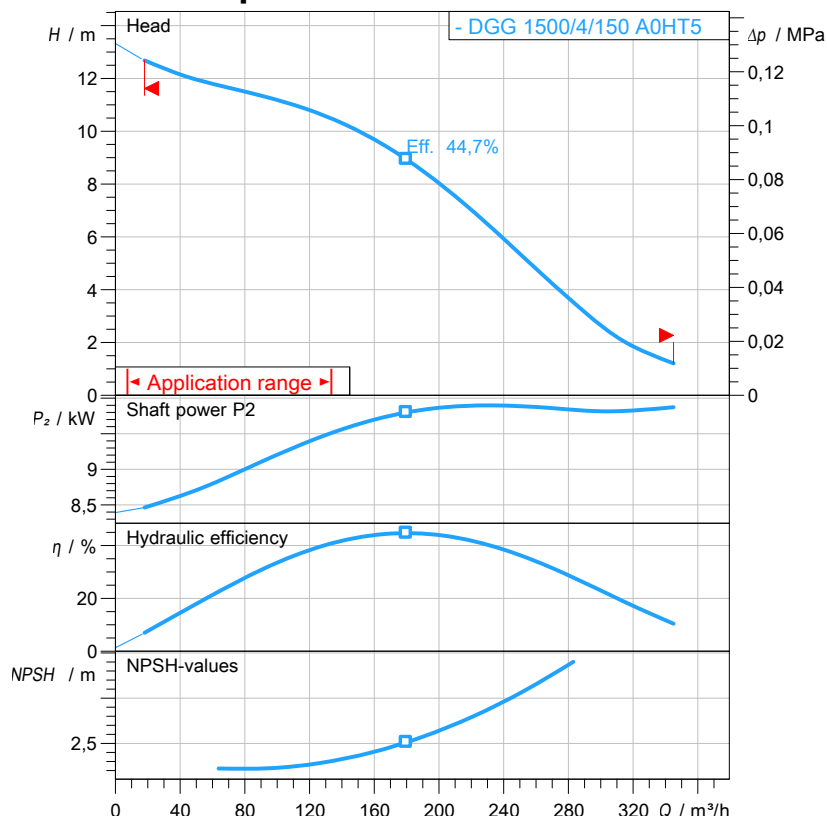
Data sheet

DGG 1500/4/150 A0HT5

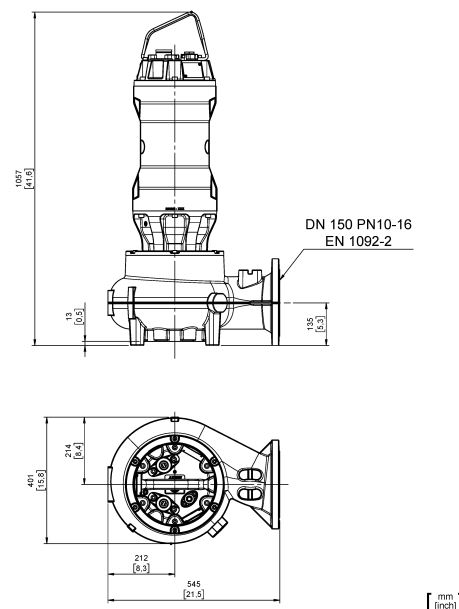
GREY
series

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 1500/4/150 A0HT5
Configuration	NGTSB5104YN00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	11 kW
Incoming power P1	12,6 kW
Rated current	20,5 A
rpm	1435 1/min
Efficiency	87,6 %
cos φ	0,883
Rated torque	73,2 Nm
Start	Star-delta
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DG (Set-back Vortex)
Free passage	125 mm
Impeller type	Set-back Vortex impeller
Max. hydraulic efficiency	44,7 %
Suction	DN 150 UNDRILLED
Discharge	DN 150 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	7G1,5 + 3x1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	212 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

Data sheet

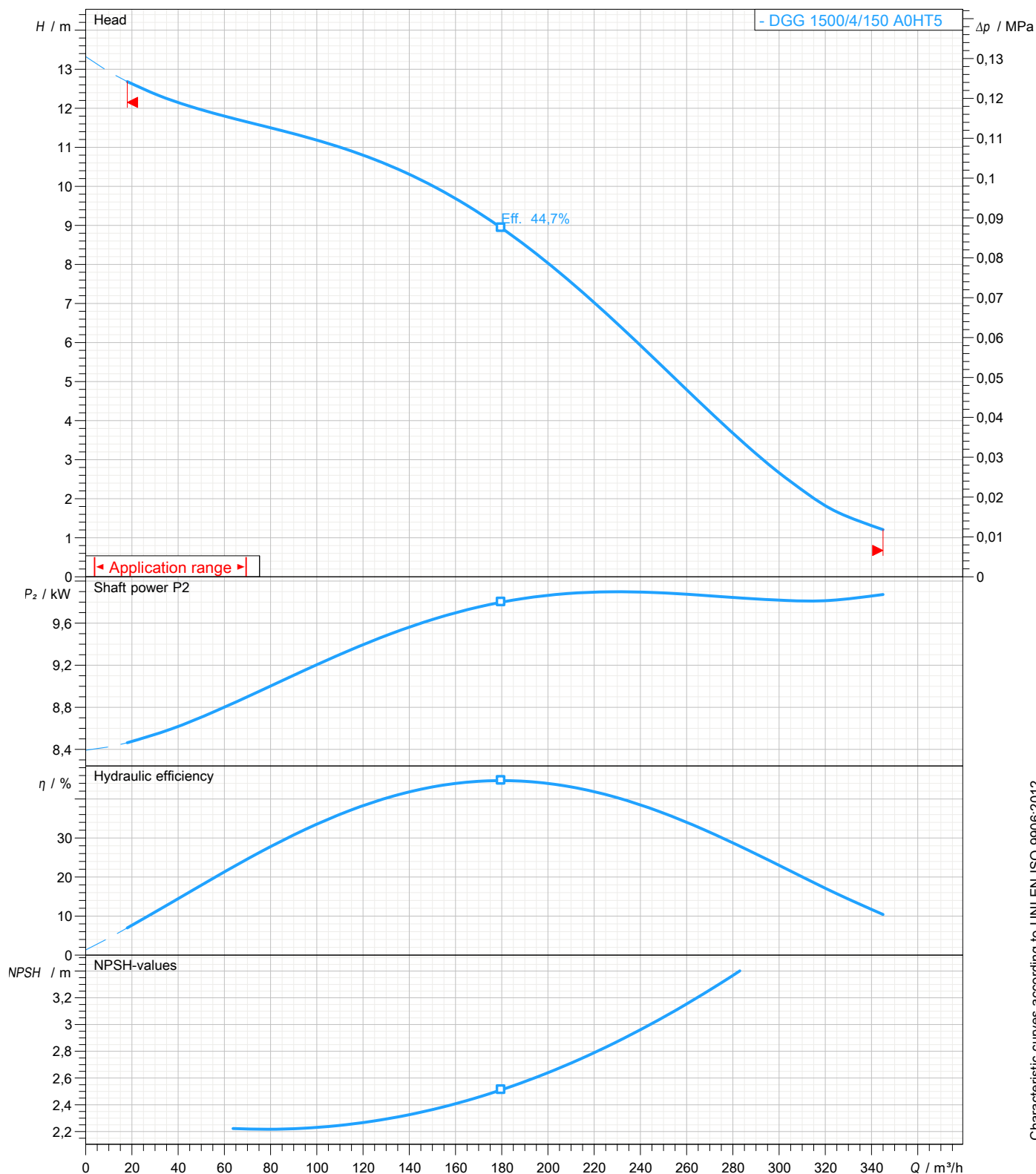
DGG 1500/4/150 A0HT5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DG (Set-back Vortex)		Impeller type Set-back Vortex impeller	Free passage 125 mm	Discharge DN 150	Suction DN 150
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

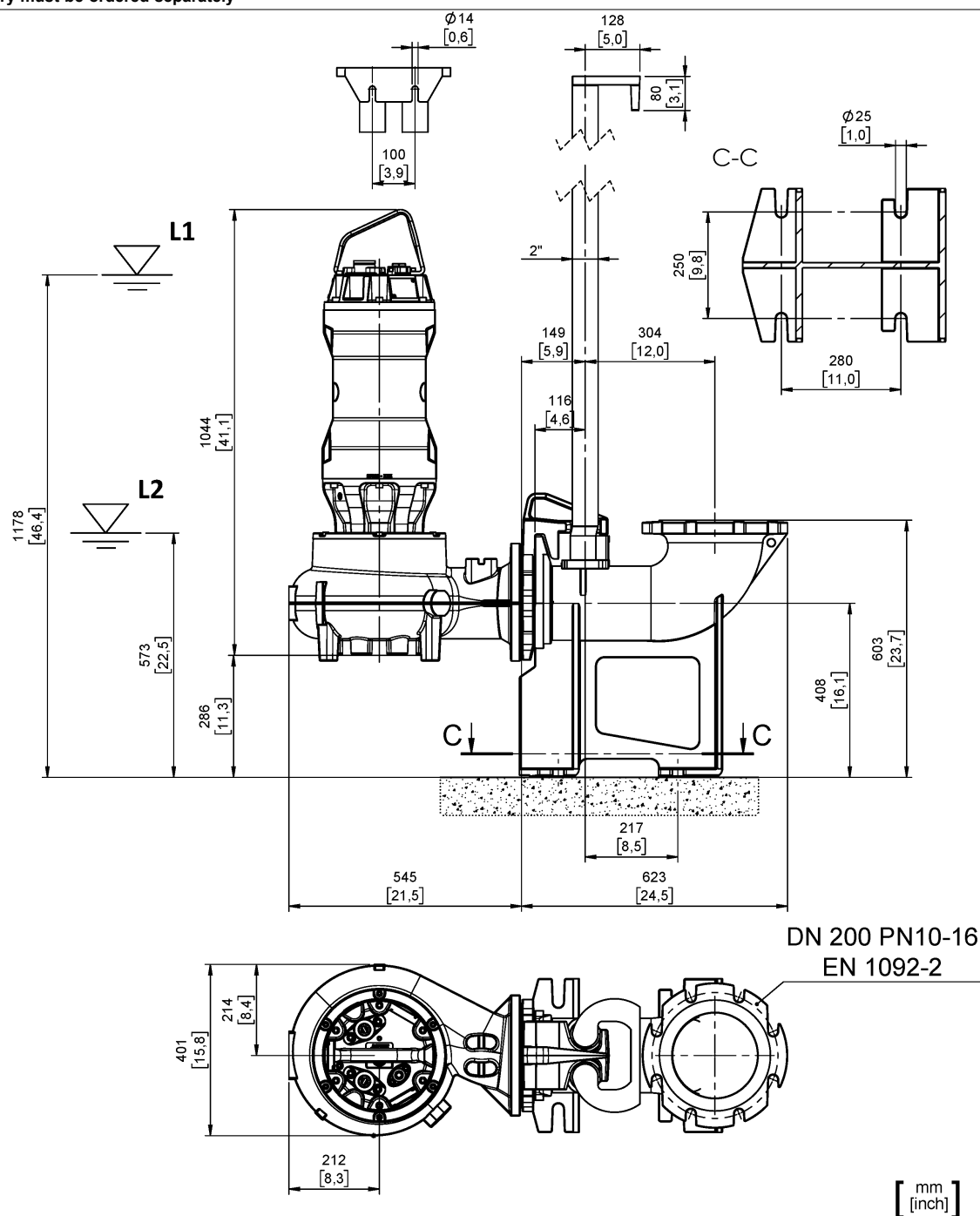


water solutions

Data sheet

DGG 1500/4/150 A0HT5**GREY**
series**Dimensional drawing****3~ 50 Hz**

Installation type P: bottom coupling device - vertical discharge DN200 - guide pipes 2"		
Wet/dry use WET	Drilling variant N	Flushing valve - drilling -
Discharge DN 150 EN 1092-2	Suction: DN 150 UNDRILLED	Pressure rating (suction/discharge) -/PN 10
Accessory DAC 150/200V+KAF 116-2" EN (P)		Accessory code 9001.010
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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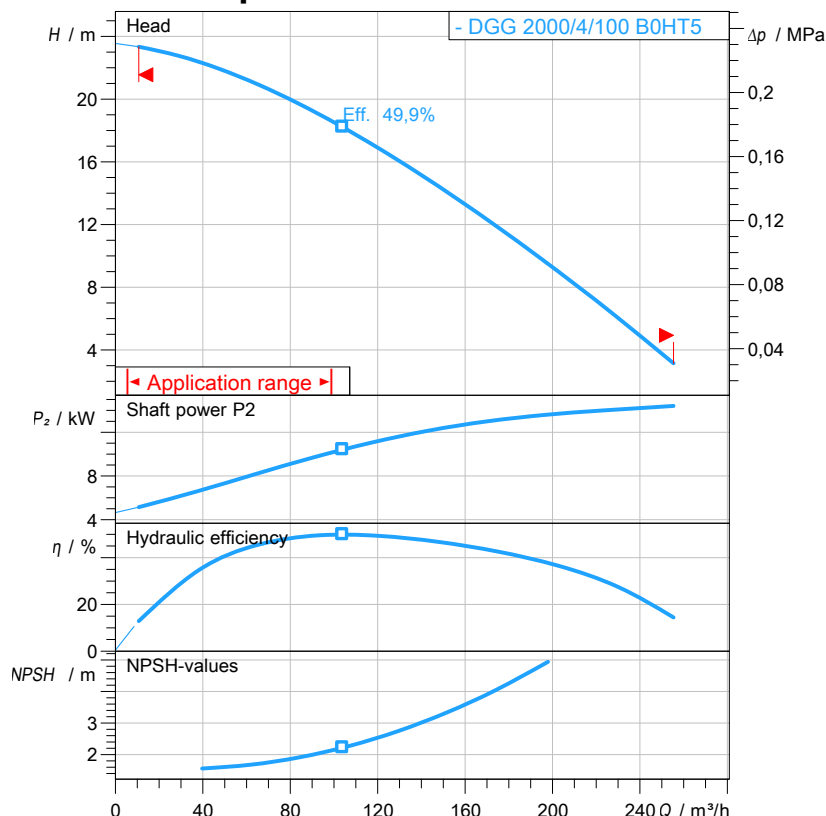
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DGG 2000/4/100 B0HT5

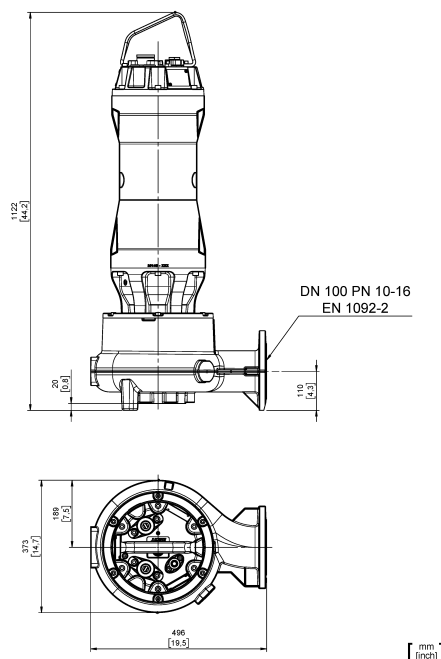
GREY
series

Technical specification

3~ 50 Hz



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



Pump

Series	GREY series
Pump name	DGG 2000/4/100 B0HT5
Configuration	NGTSB5104YN00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P_2	15 kW
Incoming power P_1	16,7 kW
Rated current	30,8 A
rpm	1453 1/min
Efficiency	89,6 %
$\cos \phi$	0,784
Rated torque	98,6 Nm
Start	Star-delta
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	49,9 %
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/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	7G2,5 + 3x1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	189,2 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

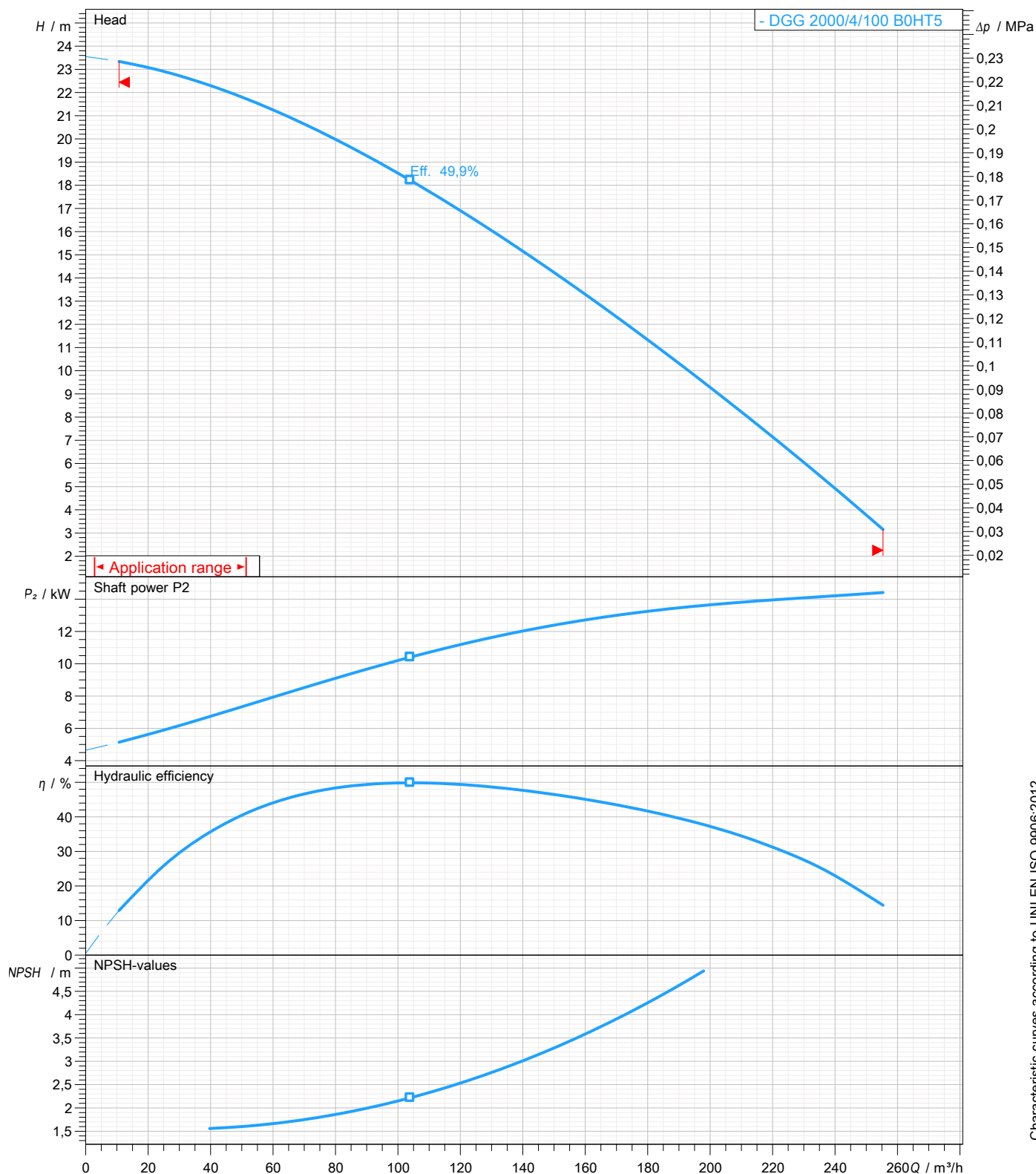
Data sheet

DGG 2000/4/100 B0HT5**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/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

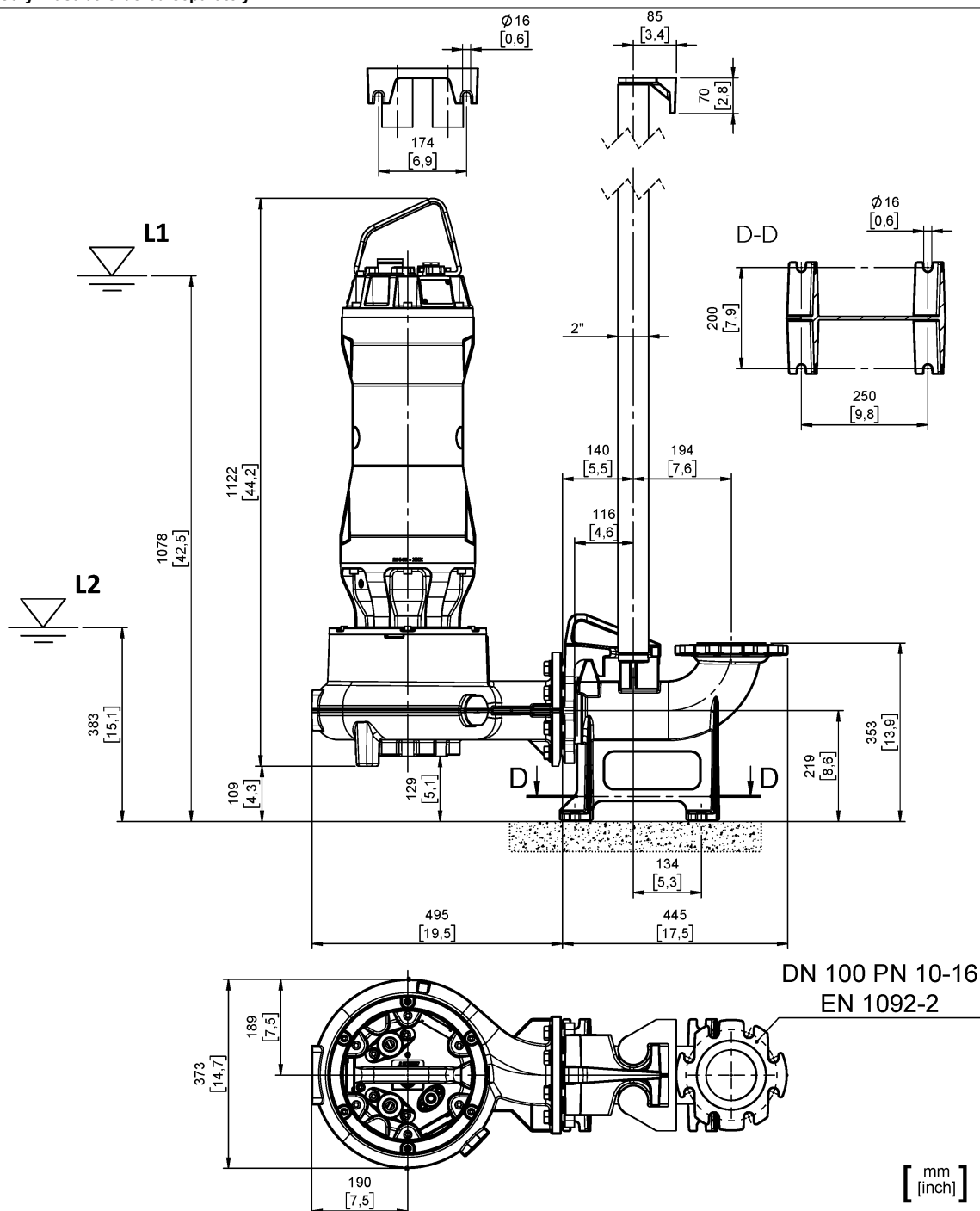


water solutions

Data sheet

DGG 2000/4/100 B0HT5**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)



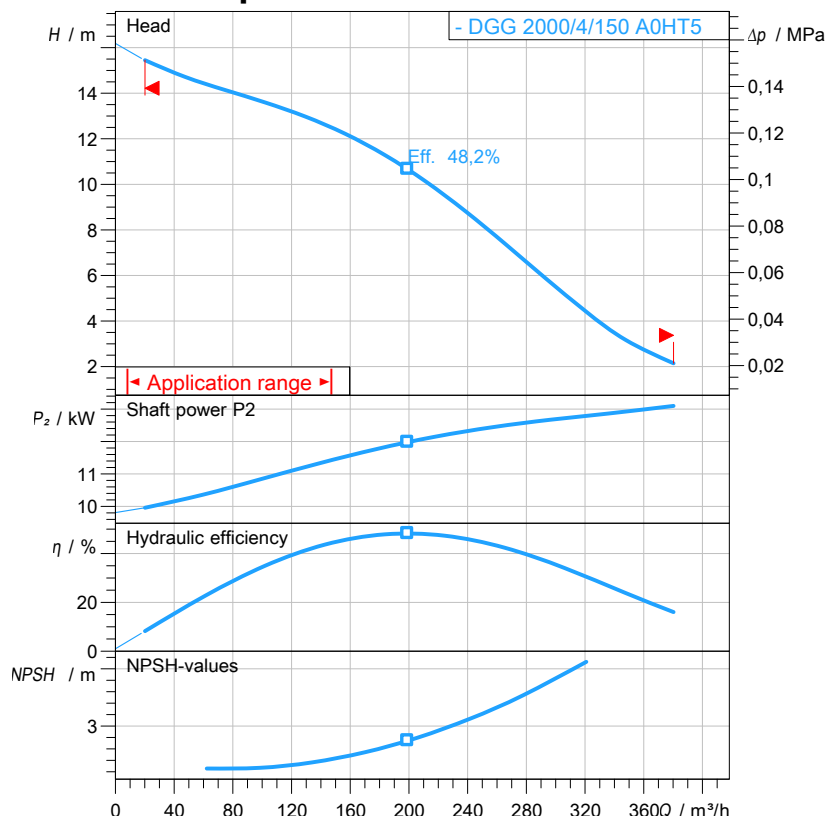
water solutions

Data sheet

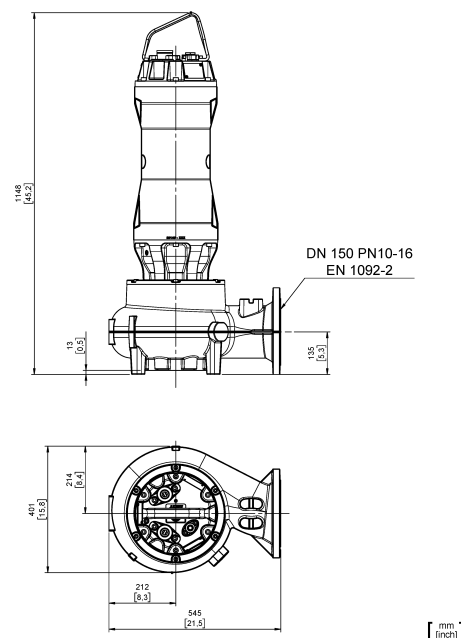
DGG 2000/4/150 A0HT5

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 2000/4/150 A0HT5
Configuration	NGTSB5104YN00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	15 kW
Incoming power P1	16,7 kW
Rated current	30,8 A
rpm	1453 1/min
Efficiency	89,6 %
cos φ	0,784
Rated torque	98,6 Nm
Start	Star-delta
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DG (Set-back Vortex)
Free passage	125 mm
Impeller type	Set-back Vortex impeller
Max. hydraulic efficiency	48,2 %
Suction	DN 150 UNDRILLED
Discharge	DN 150 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	7G2,5 + 3x1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	224 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



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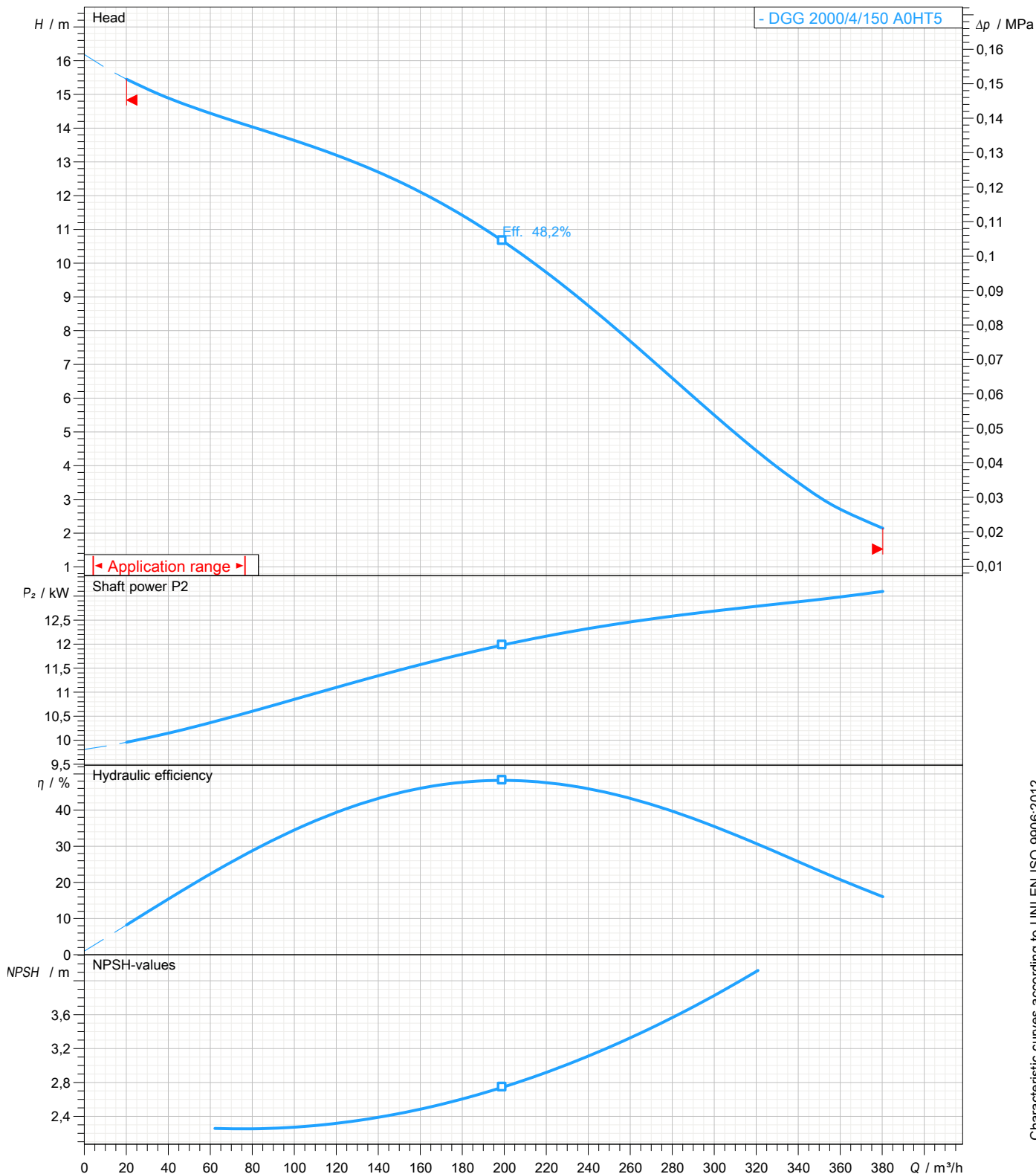
DGG 2000/4/150 A0HT5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DG (Set-back Vortex)		Impeller type Set-back Vortex impeller	Free passage 125 mm	Discharge DN 150	Suction DN 150
DUTY POINT					
Flow	Head	Shaft power P2	Hydraulic efficiency	Density 998,3 kg/m ³	Viscosity 1,005 mm ² /s

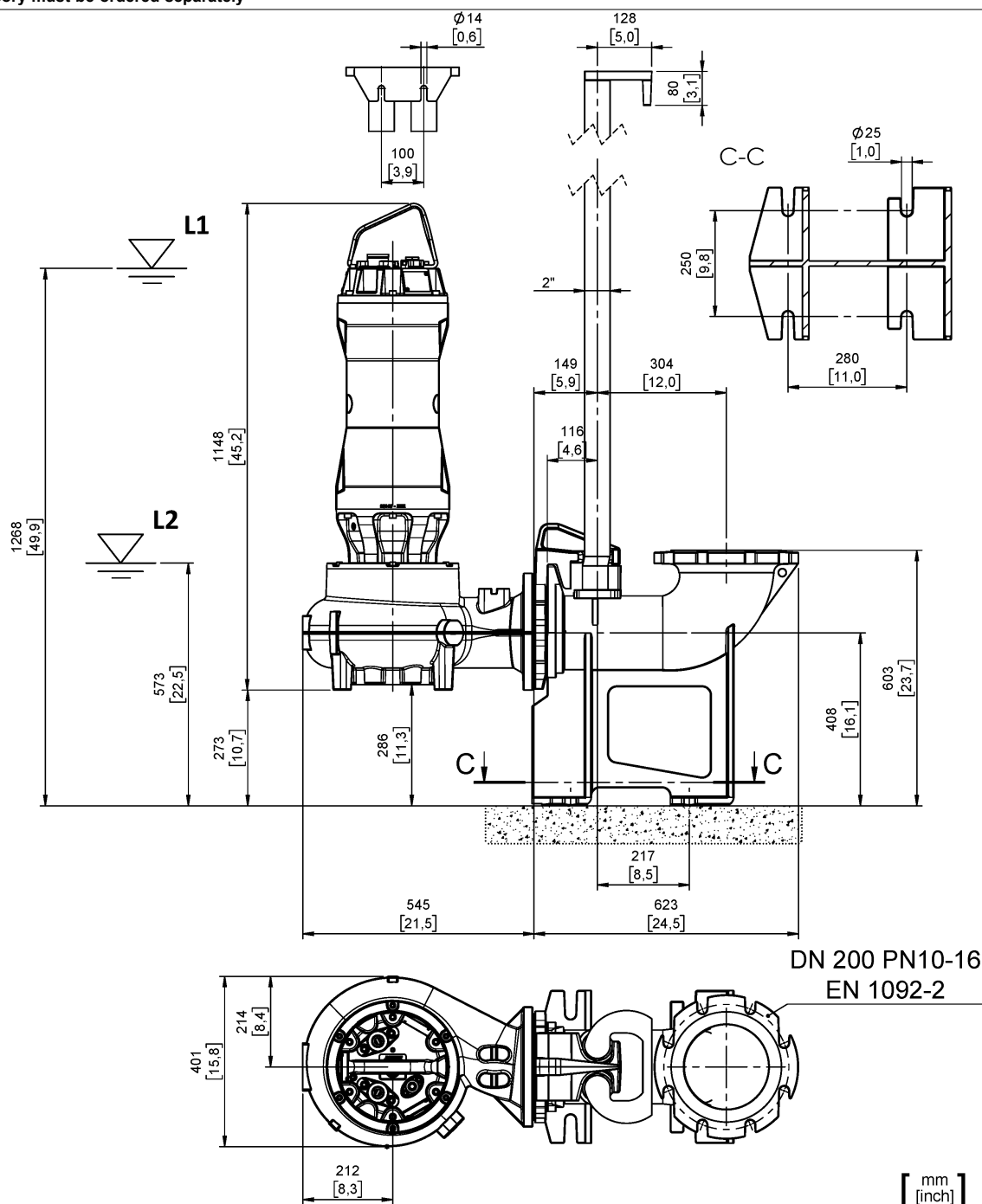


Characteristic curves according to UNI EN ISO 9906:2012
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

Dimensional drawing

3~ 50 Hz

Installation type P: bottom coupling device - vertical discharge DN200 - guide pipes 2"		
Wet/dry use WET	Drilling variant N	Flushing valve - drilling -
Discharge DN 150 EN 1092-2	Suction: DN 150 UNDRILLED	Pressure rating (suction/discharge) -/PN 10
Accessory DAC 150/200V+KAF 116-2" EN (P)		Accessory code 9001.010
Note: Accessory must be ordered separately		



L1: Minimum operating level for continuous use

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