



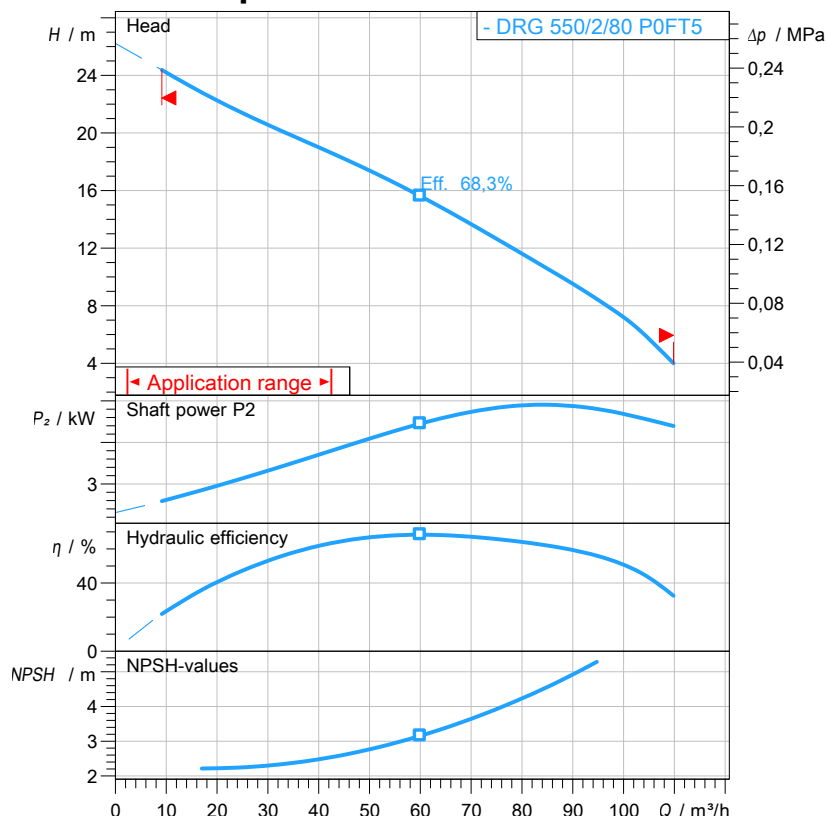
water solutions

Data sheet

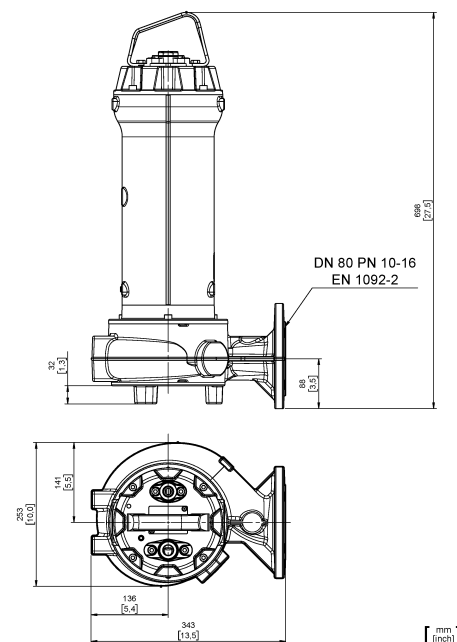
DRG 550/2/80 P0FT5

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



Pump

Series	GREY series
Pump name	DRG 550/2/80 P0FT5
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 %
$\cos \phi$	0,87
Rated torque	13,3 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DR (Multi-channel open)
Free passage	40 x 35 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	68,3 %
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*	63,6 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



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Data sheet

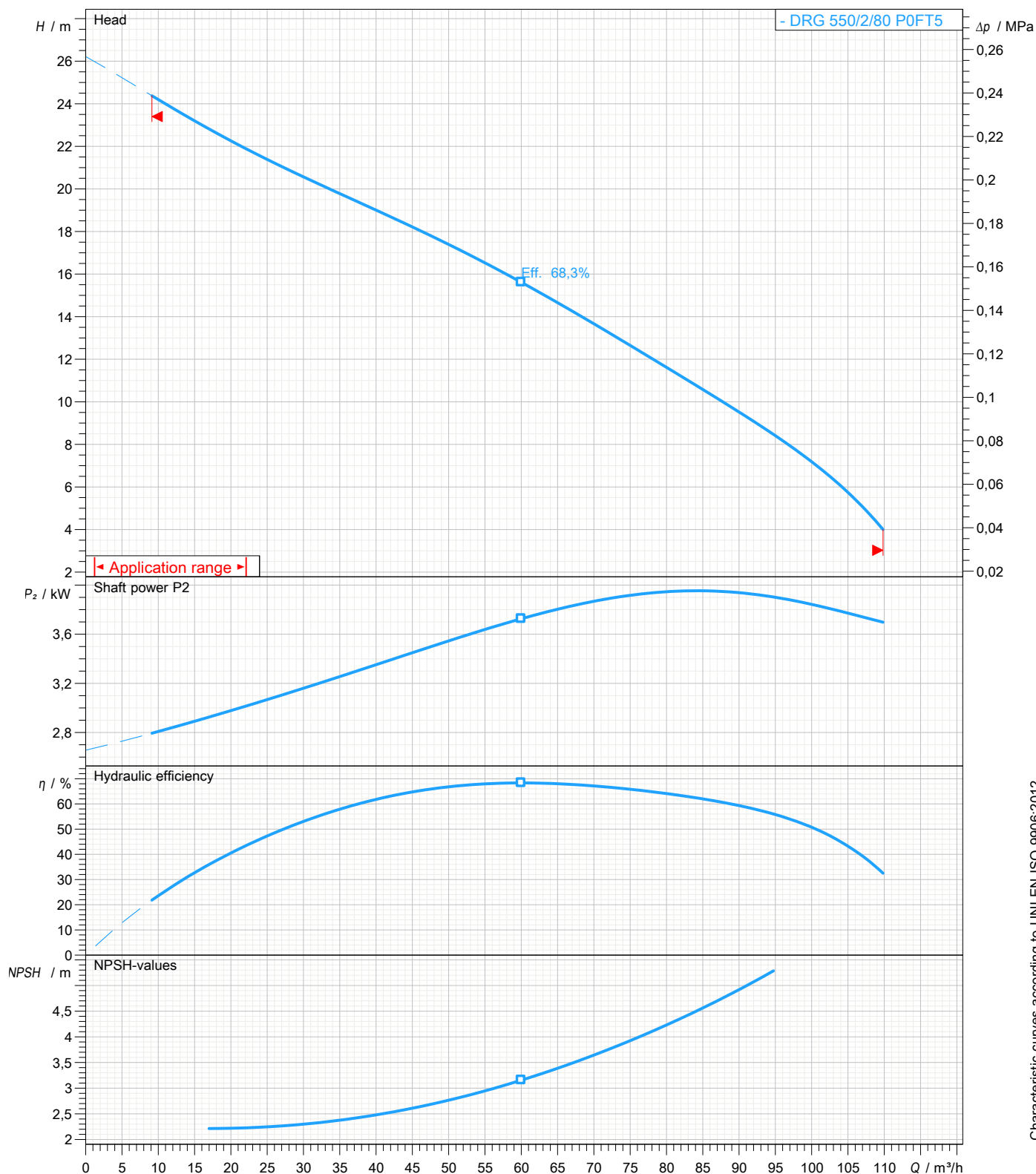
DRG 550/2/80 P0FT5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller		Free passage 40 x 35 mm	Discharge DN 80	Suction DN 80
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



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Data sheet

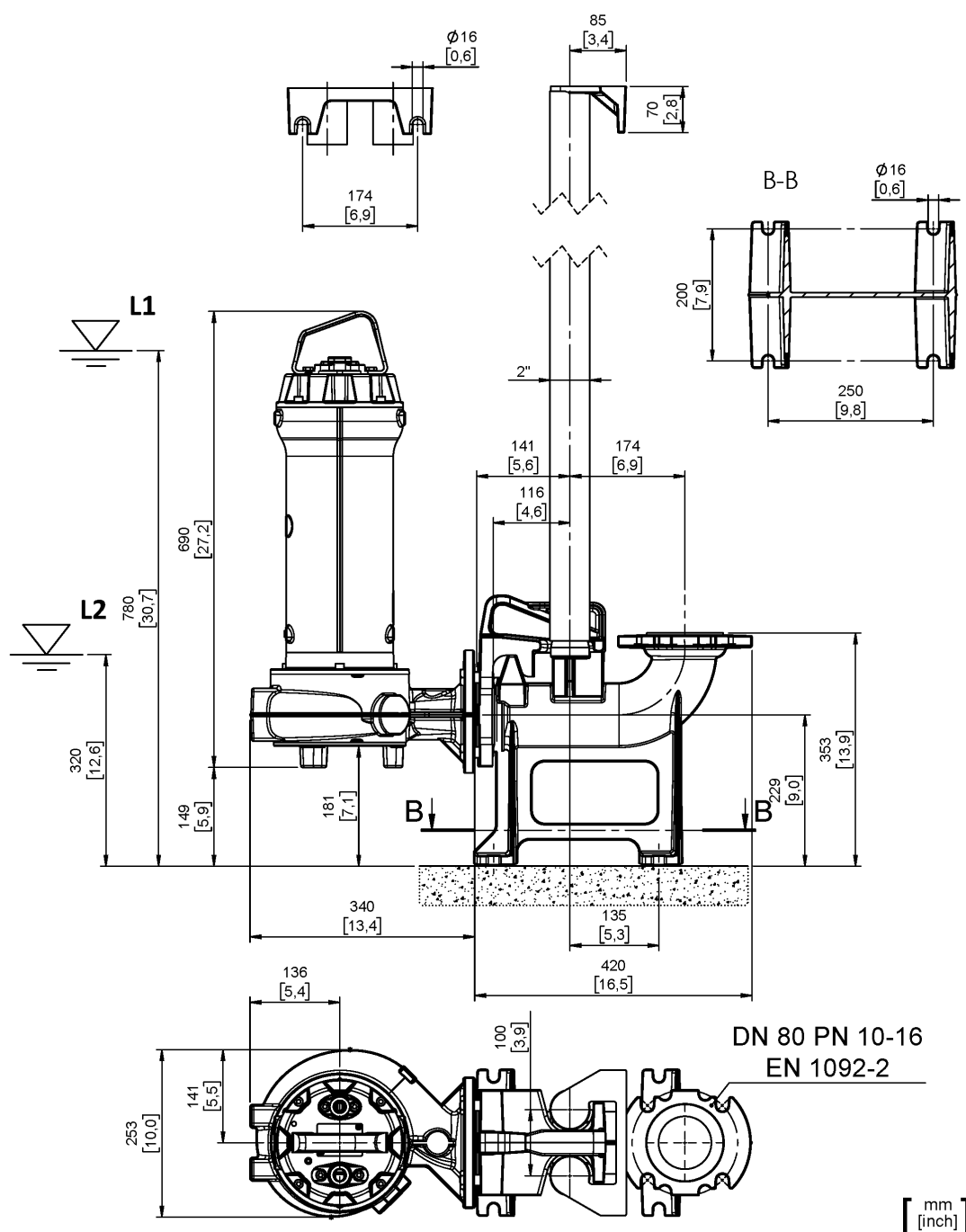
DRG 550/2/80 P0FT5

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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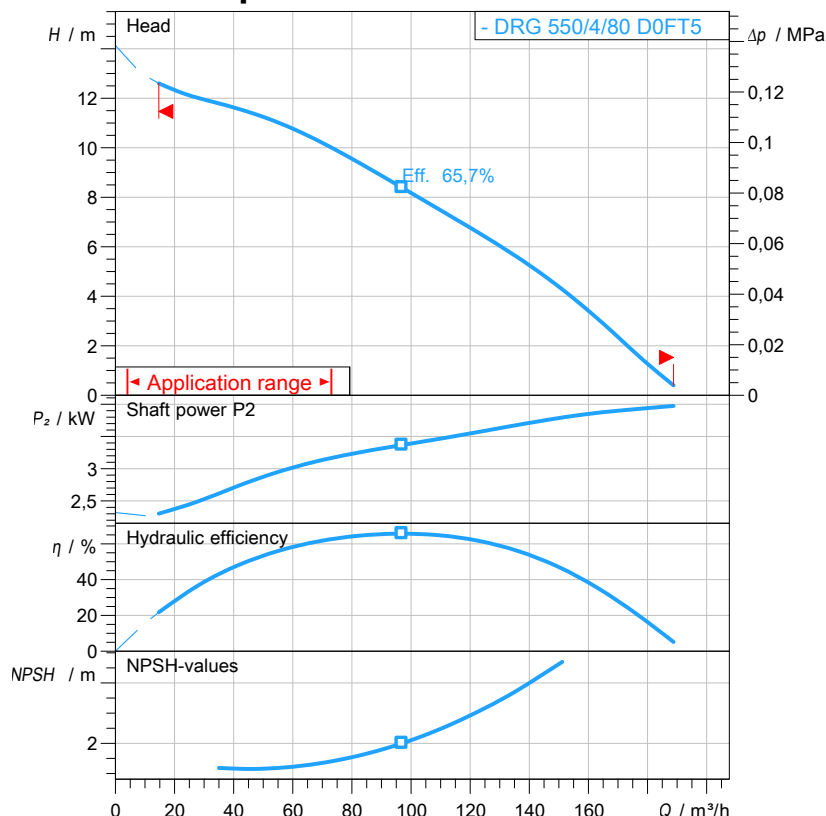
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Data sheet

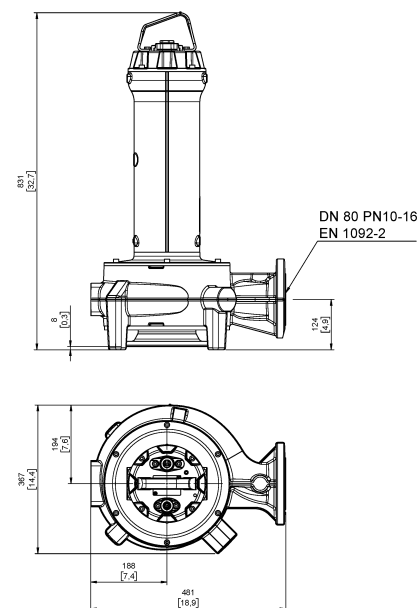
DRG 550/4/80 D0FT5

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	DRG 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	DR (Multi-channel open)
Free passage	65 x 60 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	65,7 %
Suction	DN 150 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*	110 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded

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Data sheet

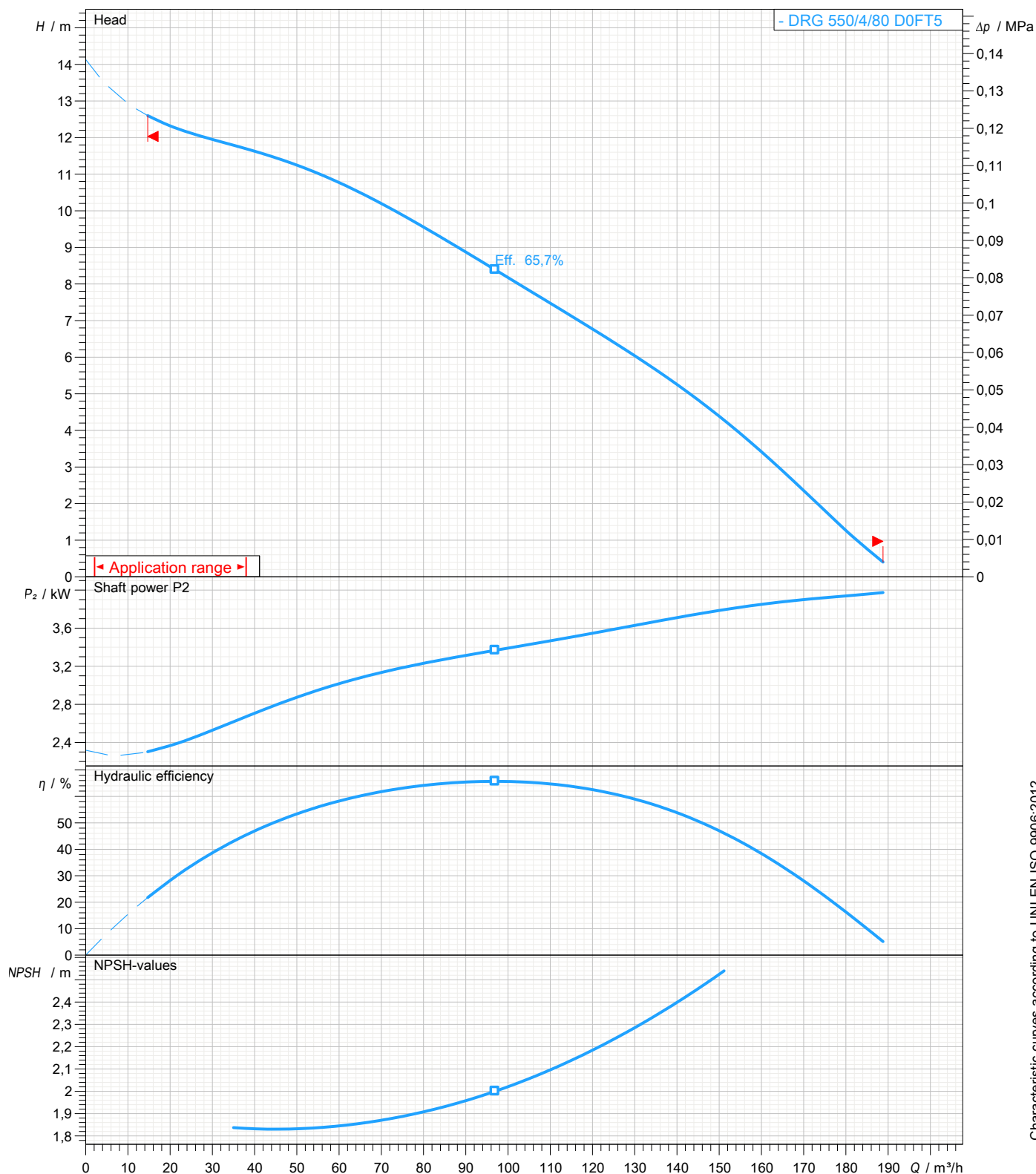
DRG 550/4/80 D0FT5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller	Free passage 65 x 60 mm	Discharge DN 80	Suction DN 150
DUTY POINT					
Flow	Head	Shaft power P2	Hydraulic efficiency	Density 998,3 kg/m ³	Viscosity 1,005 mm ² /s

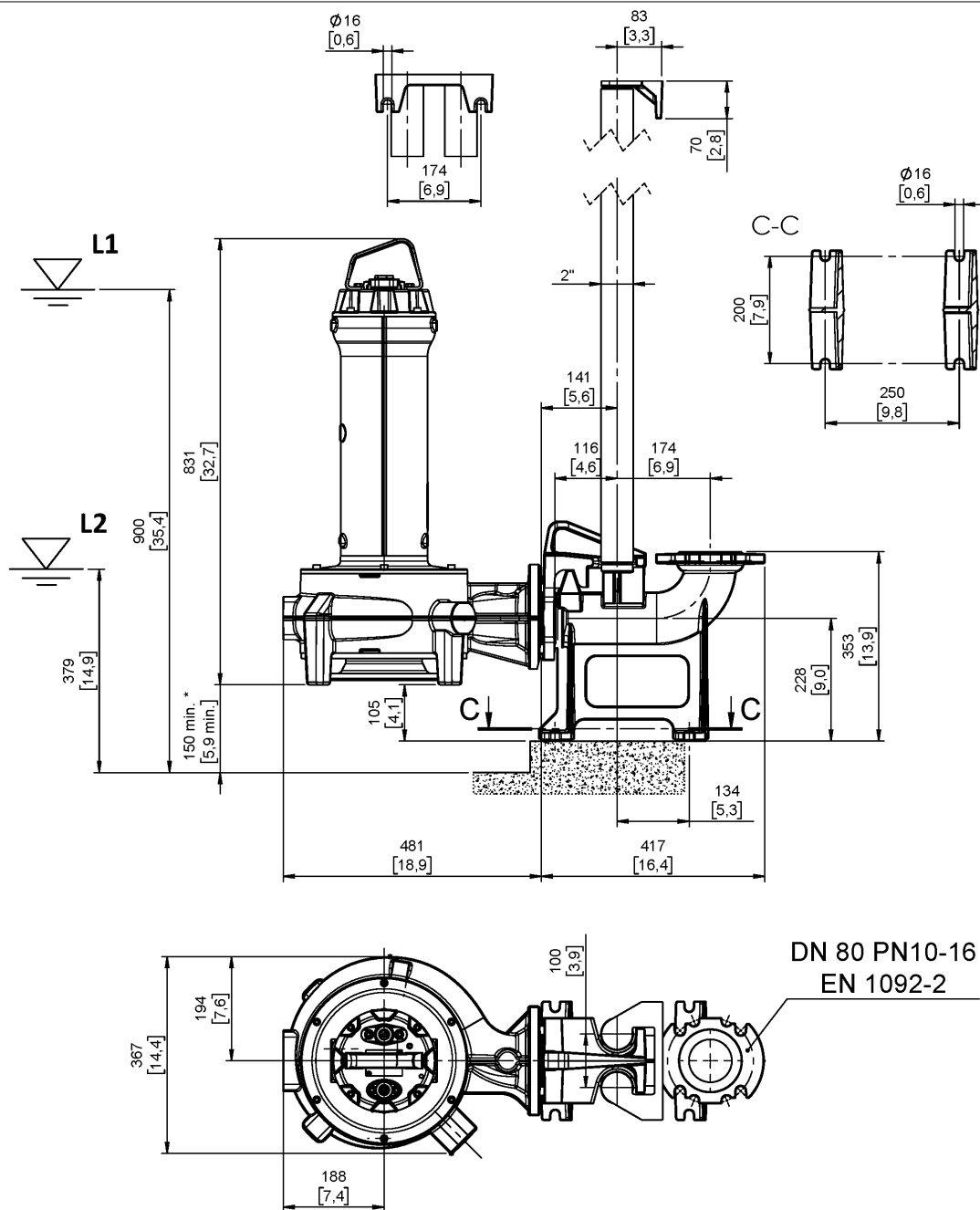


Characteristic curves according to UNI EN ISO 9906:2012
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

Dimensional drawing

3~ 50 Hz

Installation type 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 150 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)



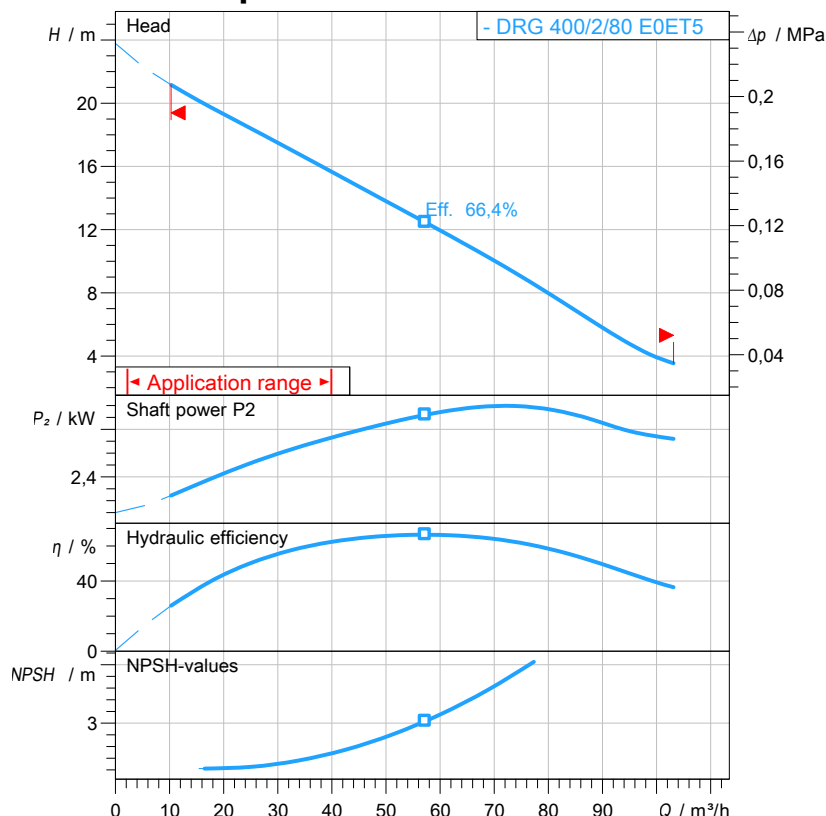
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Data sheet

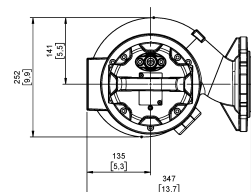
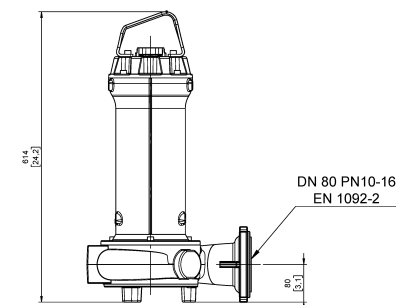
DRG 400/2/80 E0ET5

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	DRG 400/2/80 E0ET5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P2	3 kW
Incoming power P1	3,68 kW
Rated current	6,36 A
rpm	2877 1/min
Efficiency	81,5 %
cos φ	0,835
Rated torque	10,0 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DR (Multi-channel open)
Free passage	40 x 35 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	66,4 %
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	4G1,5 + 3x1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	48 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded

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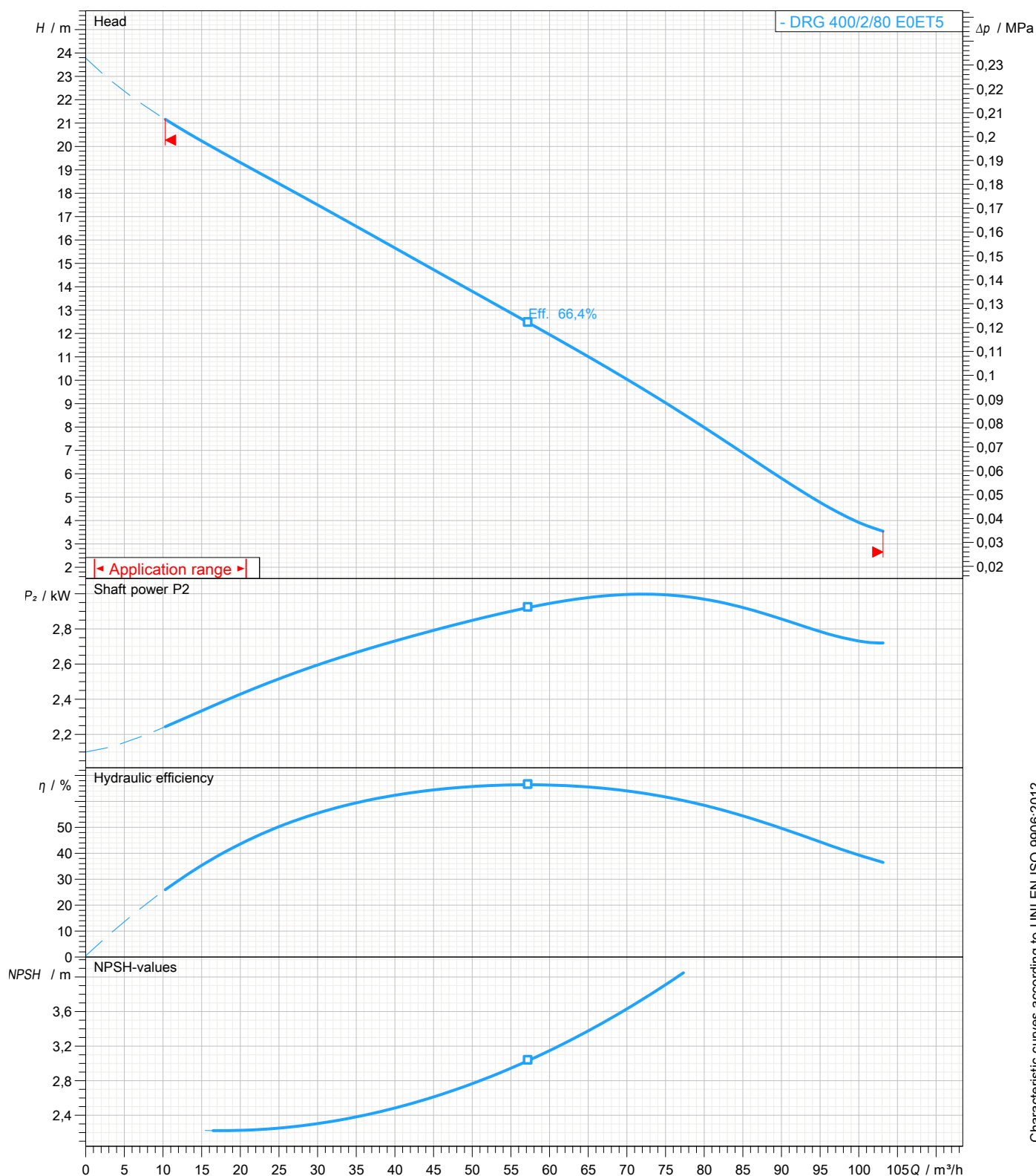
DRG 400/2/80 E0ET5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller	Free passage 40 x 35 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

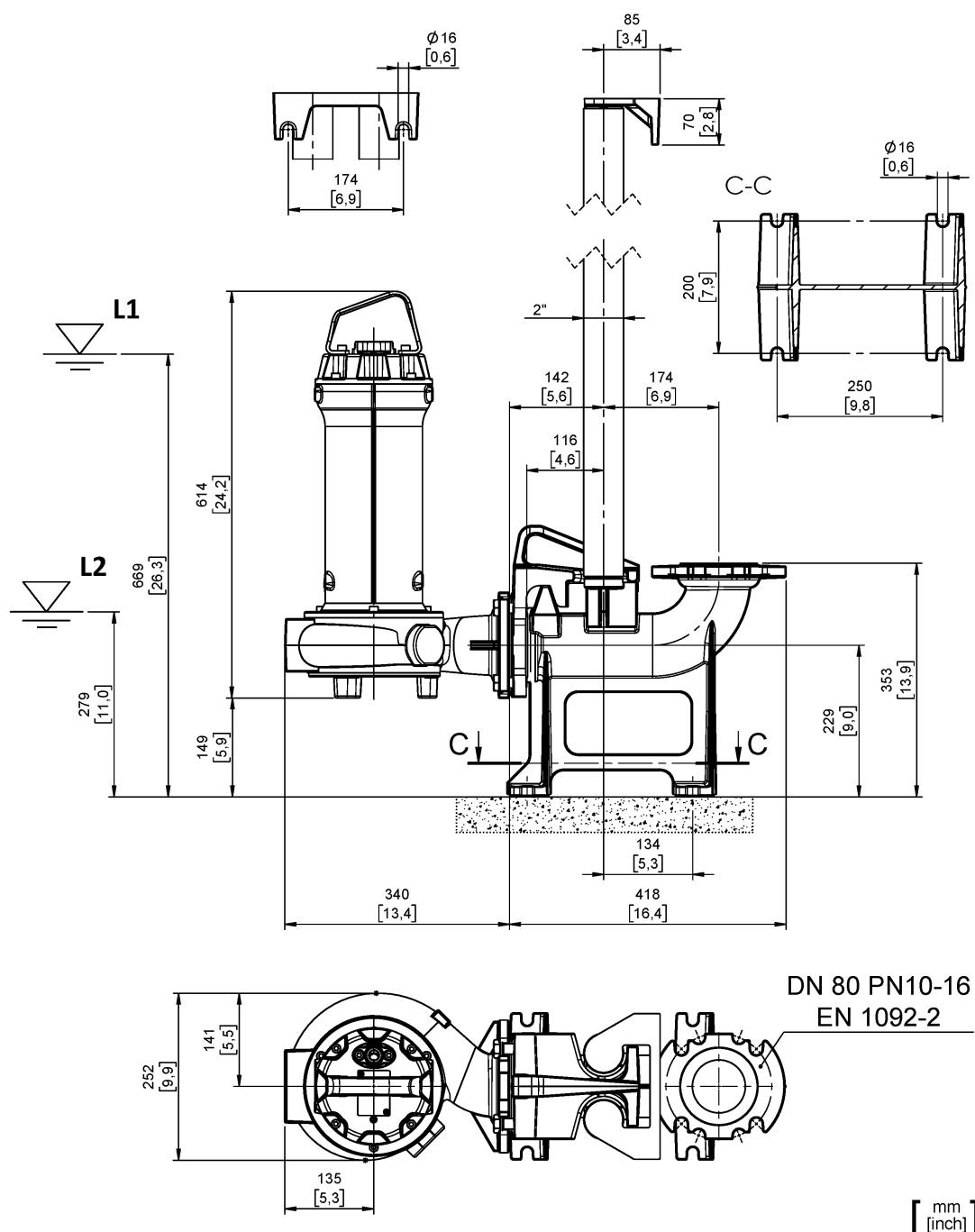
DRG 400/2/80 E0ET5

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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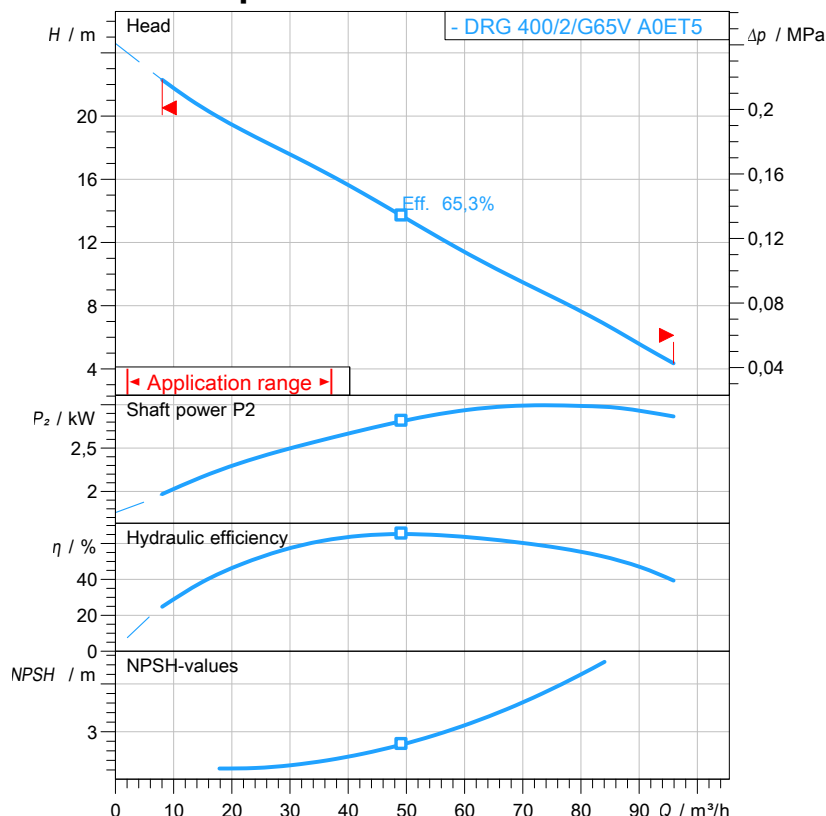
Data sheet

DRG 400/2/G65V A0ET5

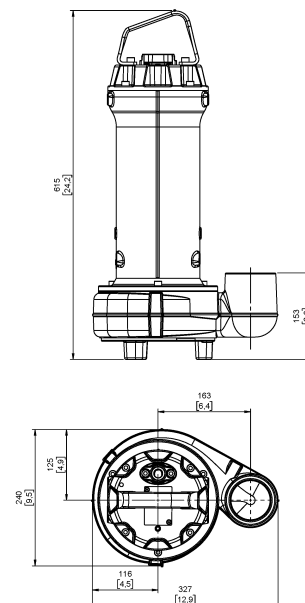
GREY
series

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	DRG 400/2/G65V A0ET5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P2	3 kW
Incoming power P1	3,68 kW
Rated current	6,36 A
rpm	2877 1/min
Efficiency	81,5 %
cos φ	0,835
Rated torque	10,0 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DR (Multi-channel open)
Free passage	40 x 35 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	65,3 %
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	4G1,5 + 3x1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	45 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

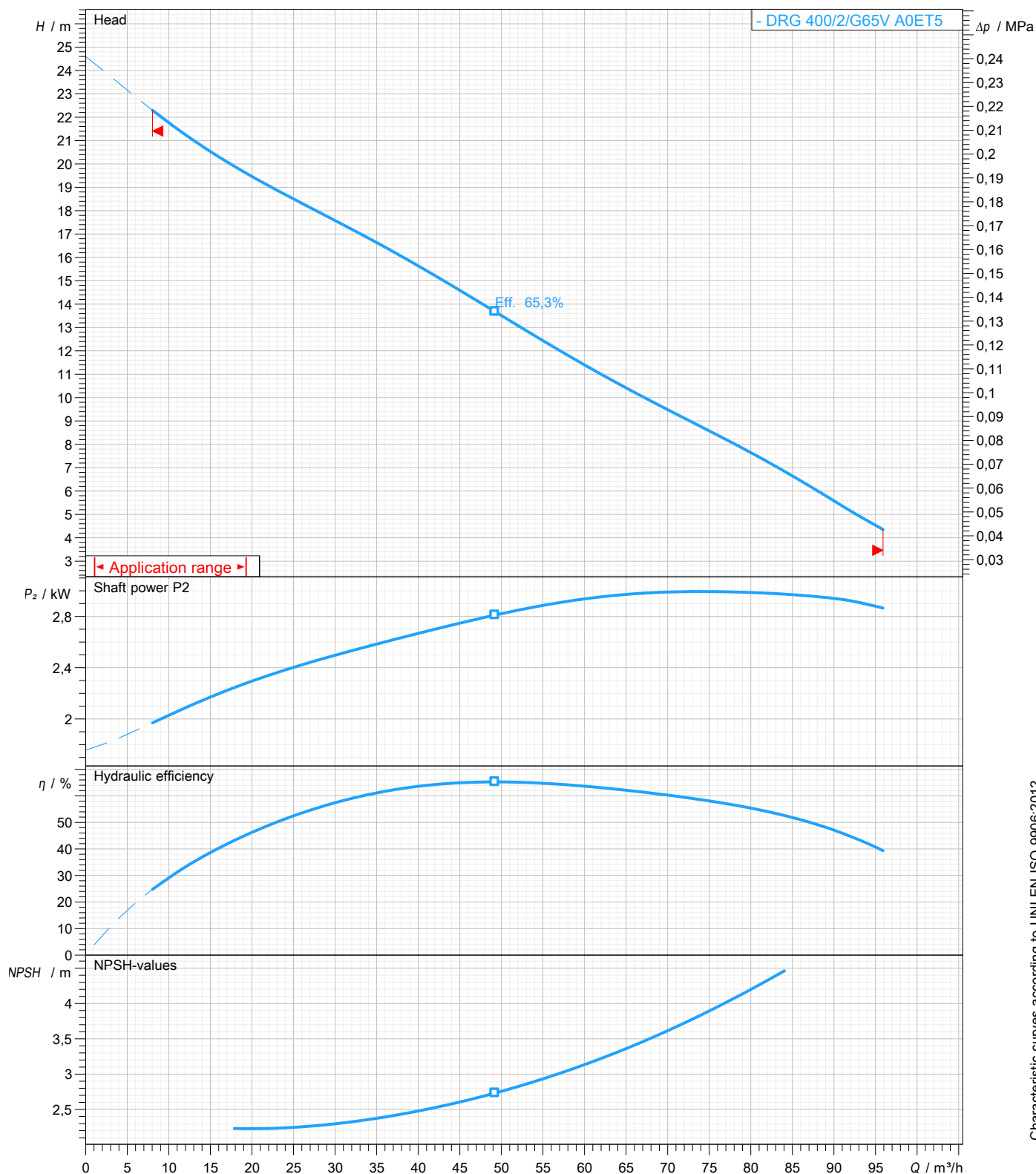
Data sheet

DRG 400/2/G65V A0ET5**GREY**

series

Pump performance curves**3~ 50 Hz**

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller		Free passage 40 x 35 mm	Discharge G 2" 1/2	Suction DN 65
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 4.4.210kW<P₂<100kW: Grade 3BP₂>100kW: Grade 2B



water solutions

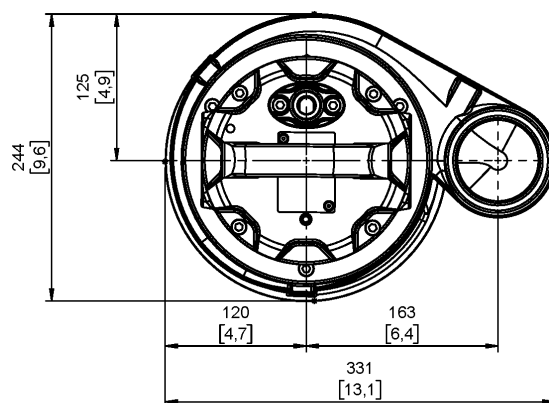
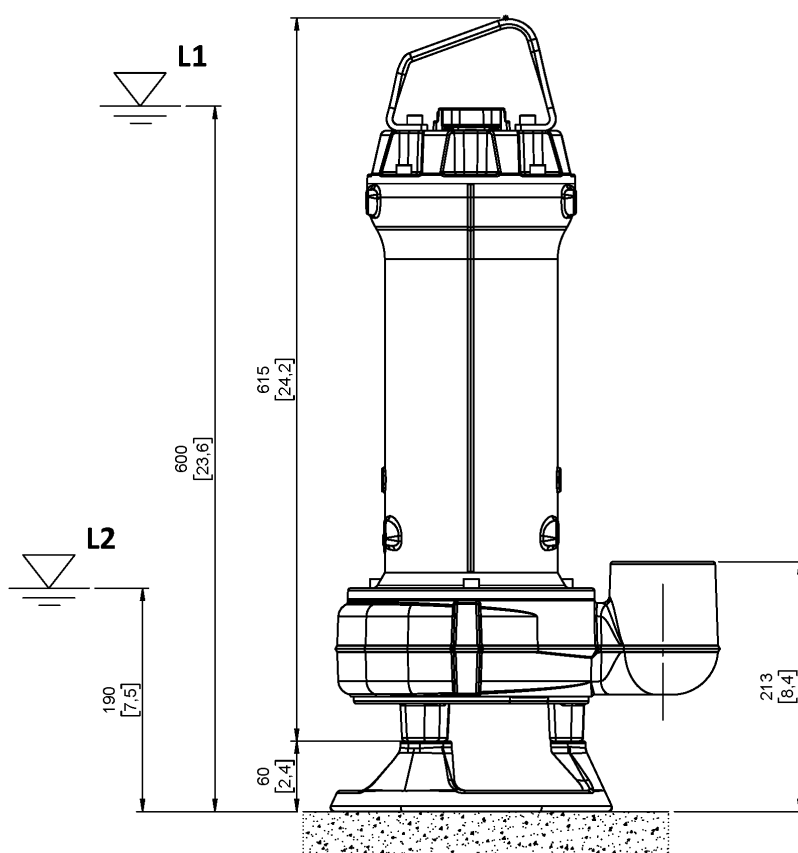
Data sheet

DRG 400/2/G65V A0ET5**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 I160 (S)		Accessory code 9024.010
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)



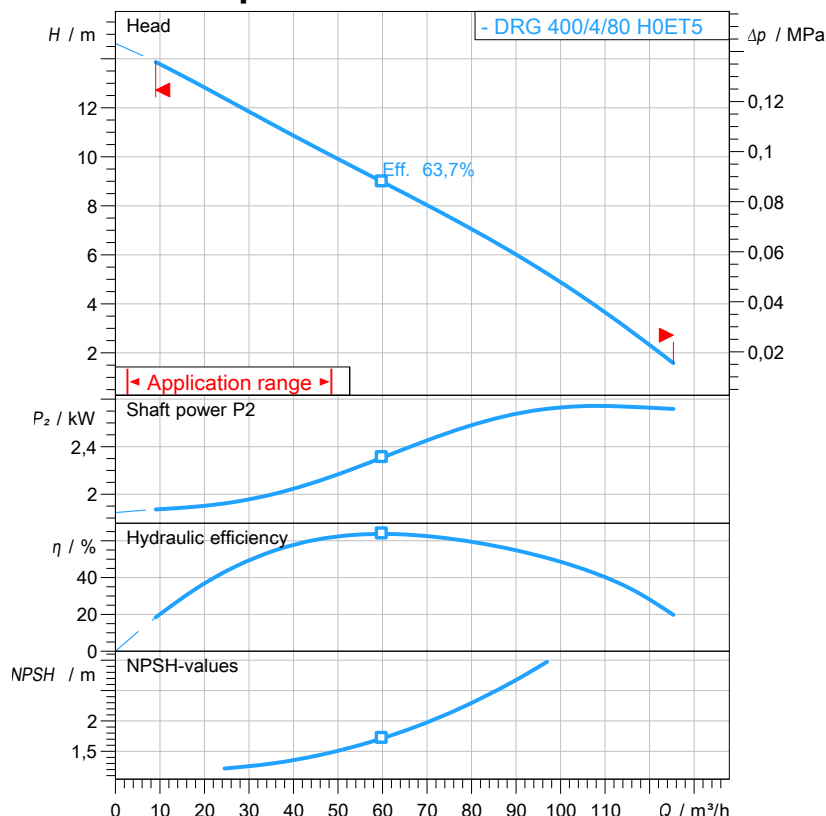
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Data sheet

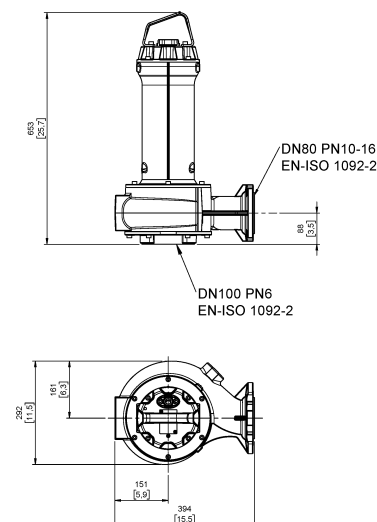
DRG 400/4/80 H0ET5

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	DRG 400/4/80 H0ET5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	3 kW
Incoming power P1	3,68 kW
Rated current	6,72 A
rpm	1383 1/min
Efficiency	81,5 %
cos φ	0,79
Rated torque	20,7 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DR (Multi-channel open)
Free passage	75 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	63,7 %
Suction	DN 100 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*	61,8 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



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Data sheet

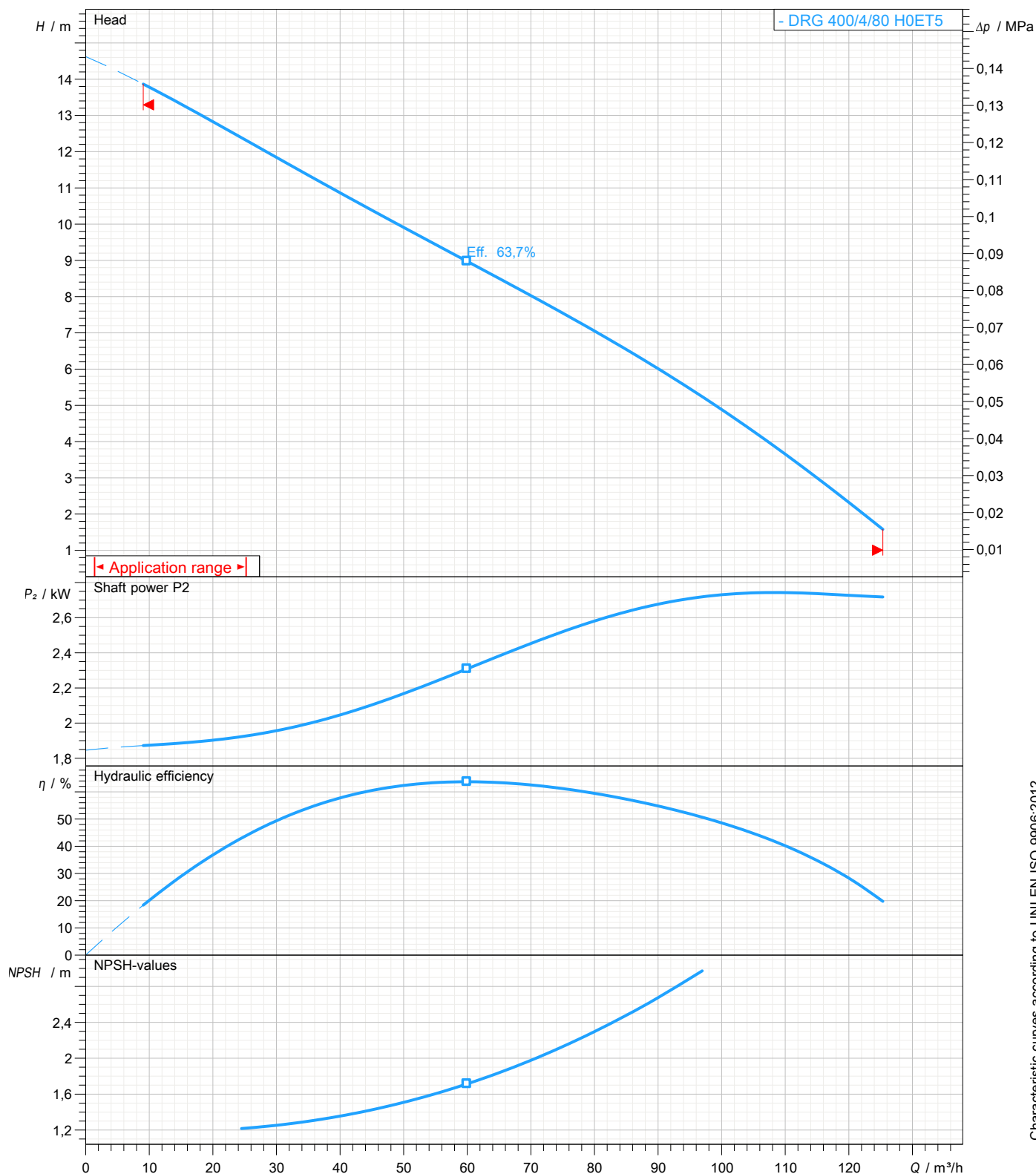
DRG 400/4/80 H0ET5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller	Free passage 75 mm	Discharge DN 80	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

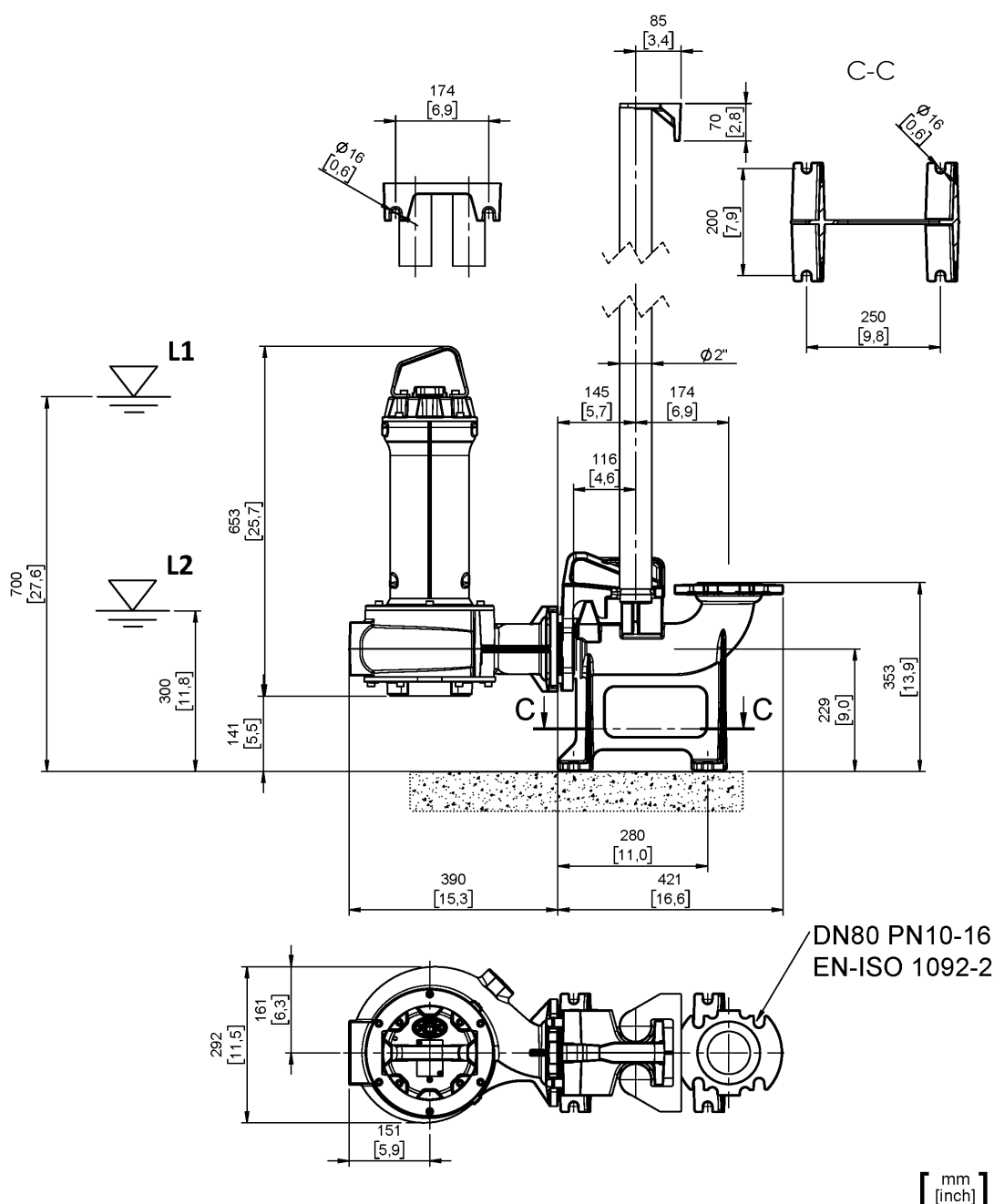
DRG 400/4/80 H0ET5

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 100 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		


 DN80 PN10-16
 EN-ISO 1092-2

 [mm]
 [inch]

L1: Minimum operating level for continuous use

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



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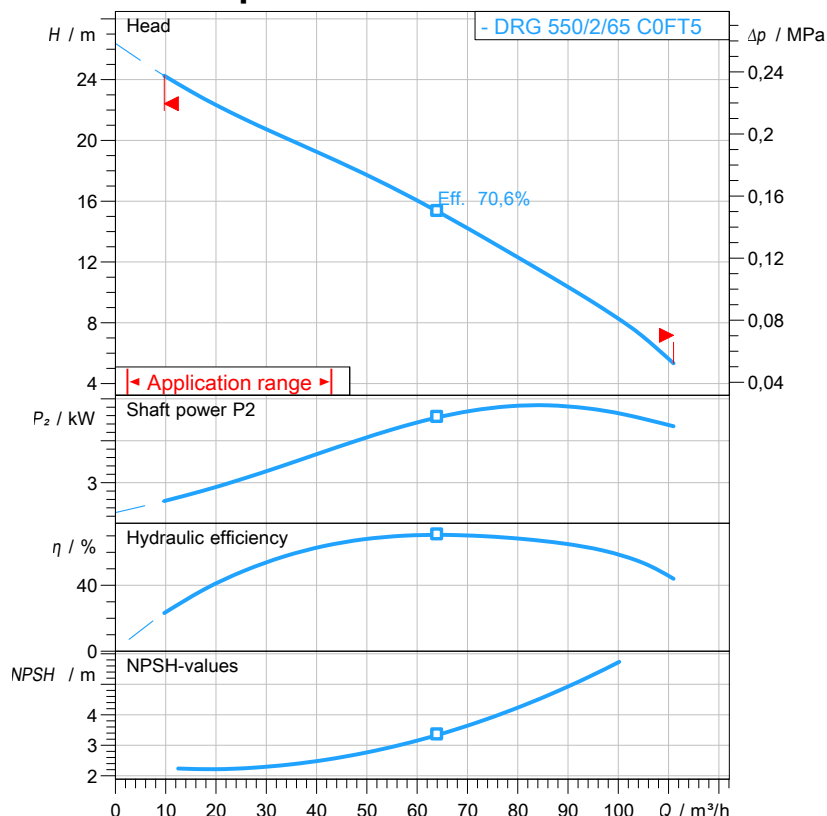
Data sheet

DRG 550/2/65 C0FT5

GREY
series

Technical specification

3~ 50 Hz

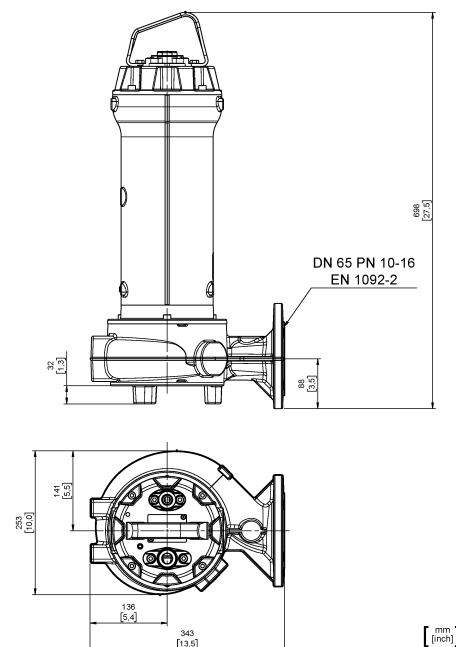


Characteristic curves according to UNI EN ISO 9906:2012

$P_2 < 10kW$: paragraph 4.4.2

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

$P_2 > 100kW$: Grade 2B



Pump

Series	GREY series
Pump name	DRG 550/2/65 C0FT5
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 %
$\cos \phi$	0,87
Rated torque	13,3 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DR (Multi-channel open)
Free passage	40 x 35 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	70,6 %
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*	63,6 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded

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Data sheet

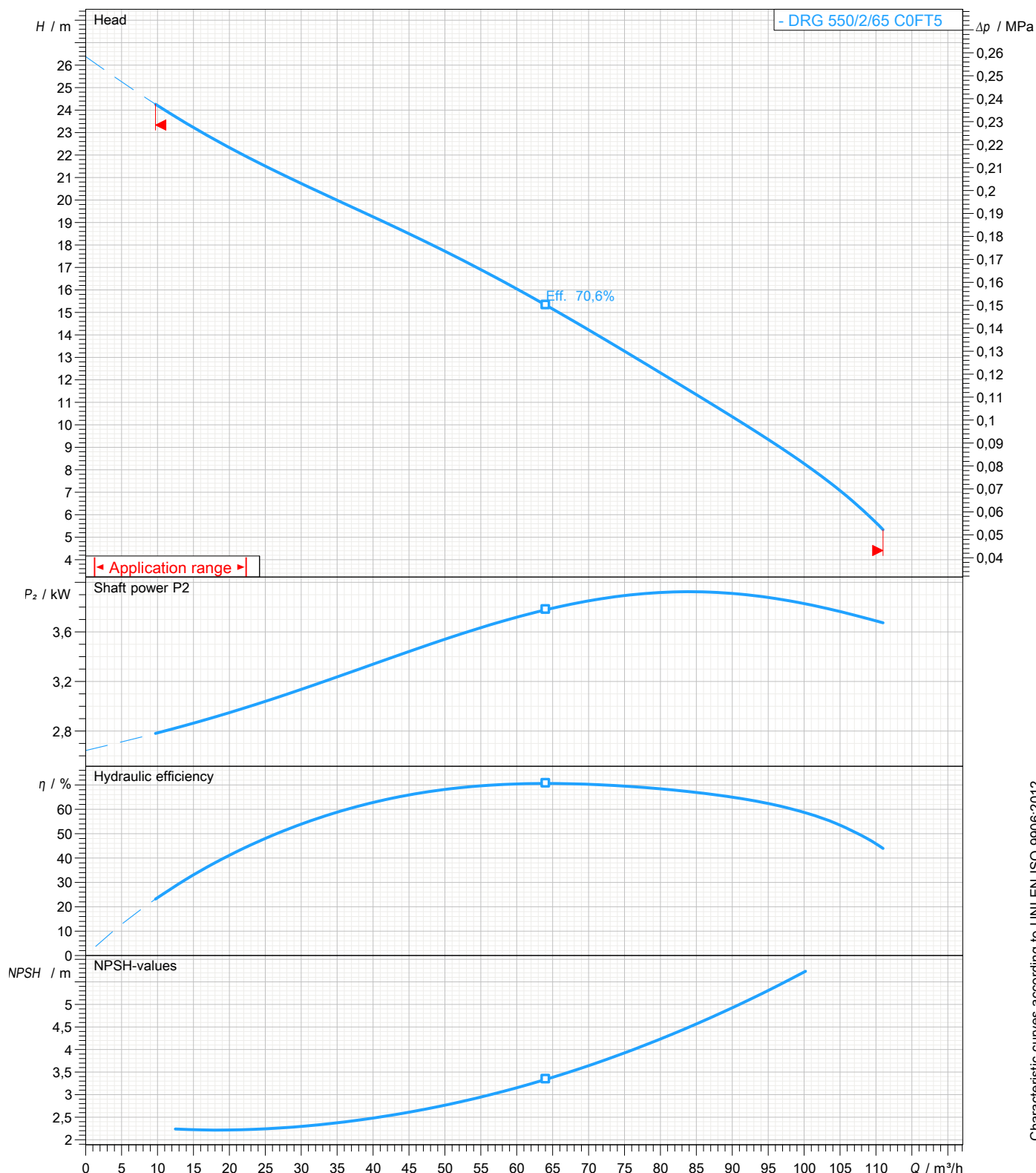
DRG 550/2/65 C0FT5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller	Free passage 40 x 35 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

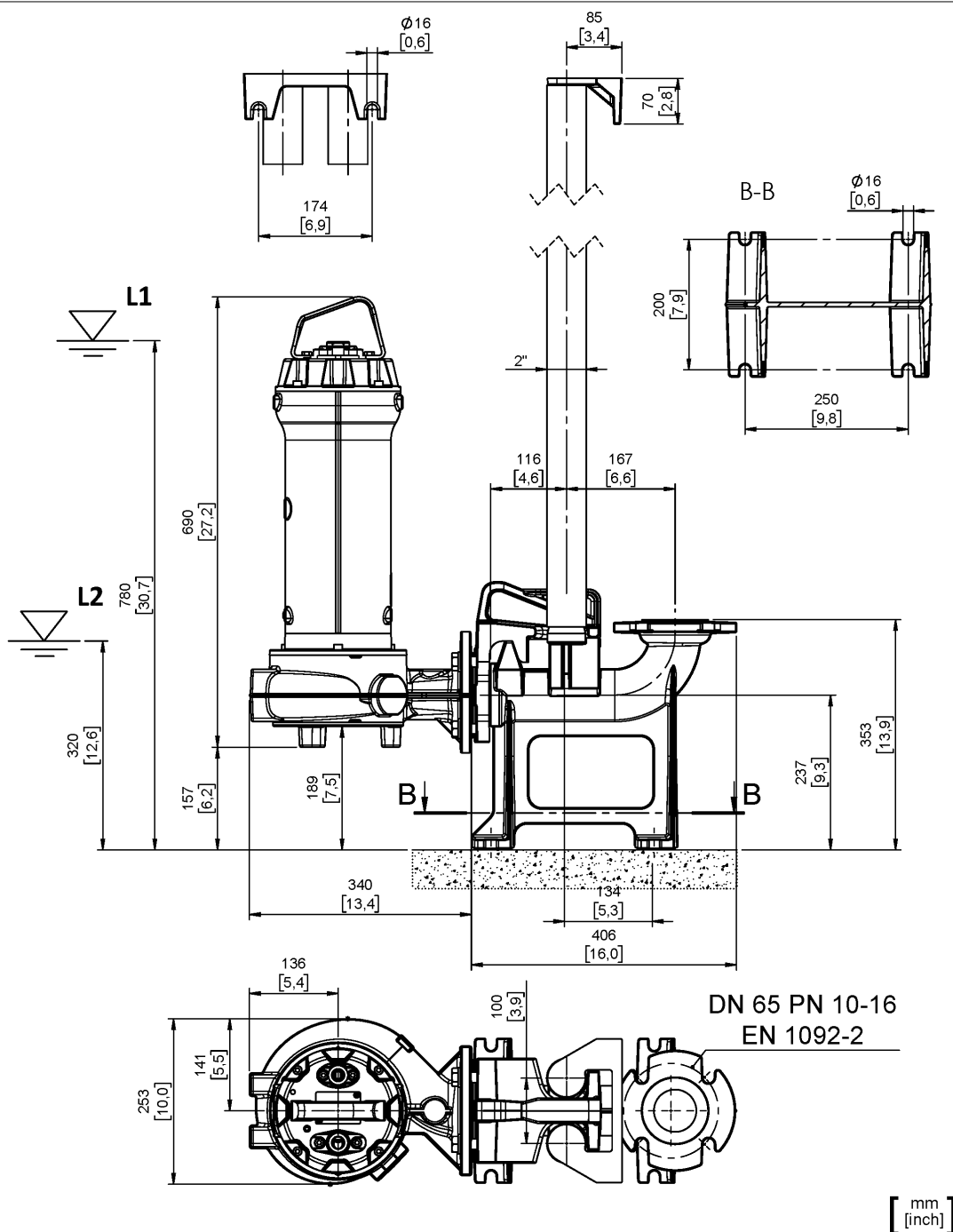


water solutions

Data sheet

DRG 550/2/65 C0FT5**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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water solutions

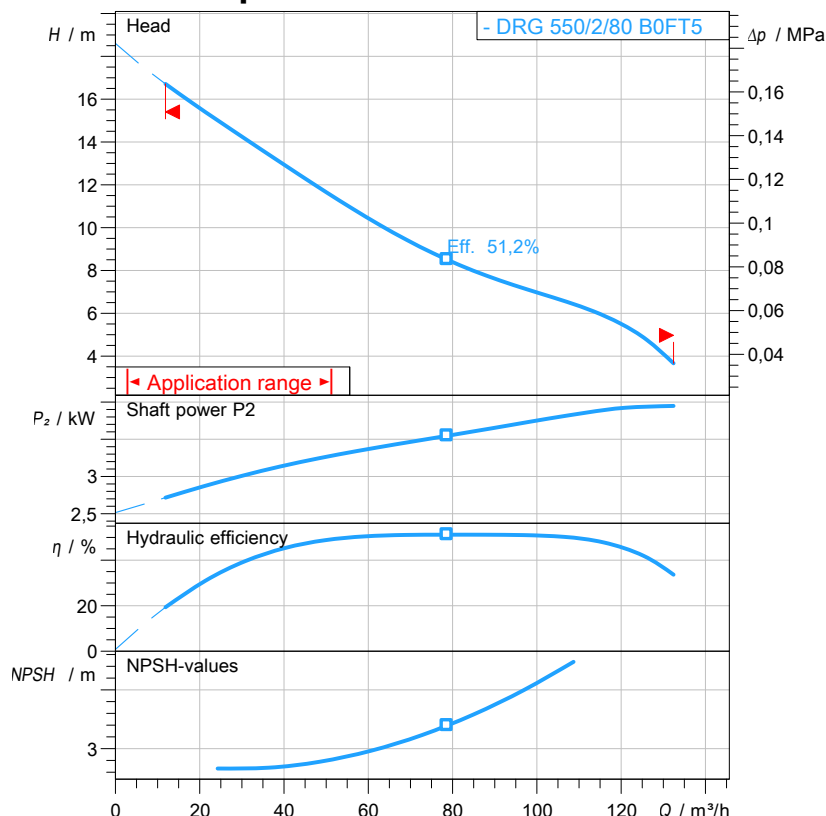
Data sheet

DRG 550/2/80 B0FT5

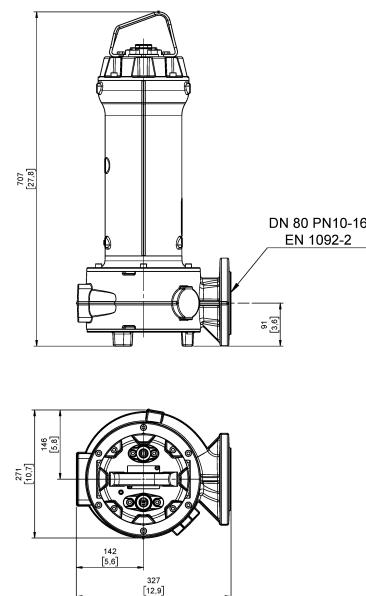
GREY
series

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	DRG 550/2/80 B0FT5
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	DR (Multi-channel open)
Free passage	55 x 50 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	51,2 %
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/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*	68,6 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded

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water solutions

Data sheet

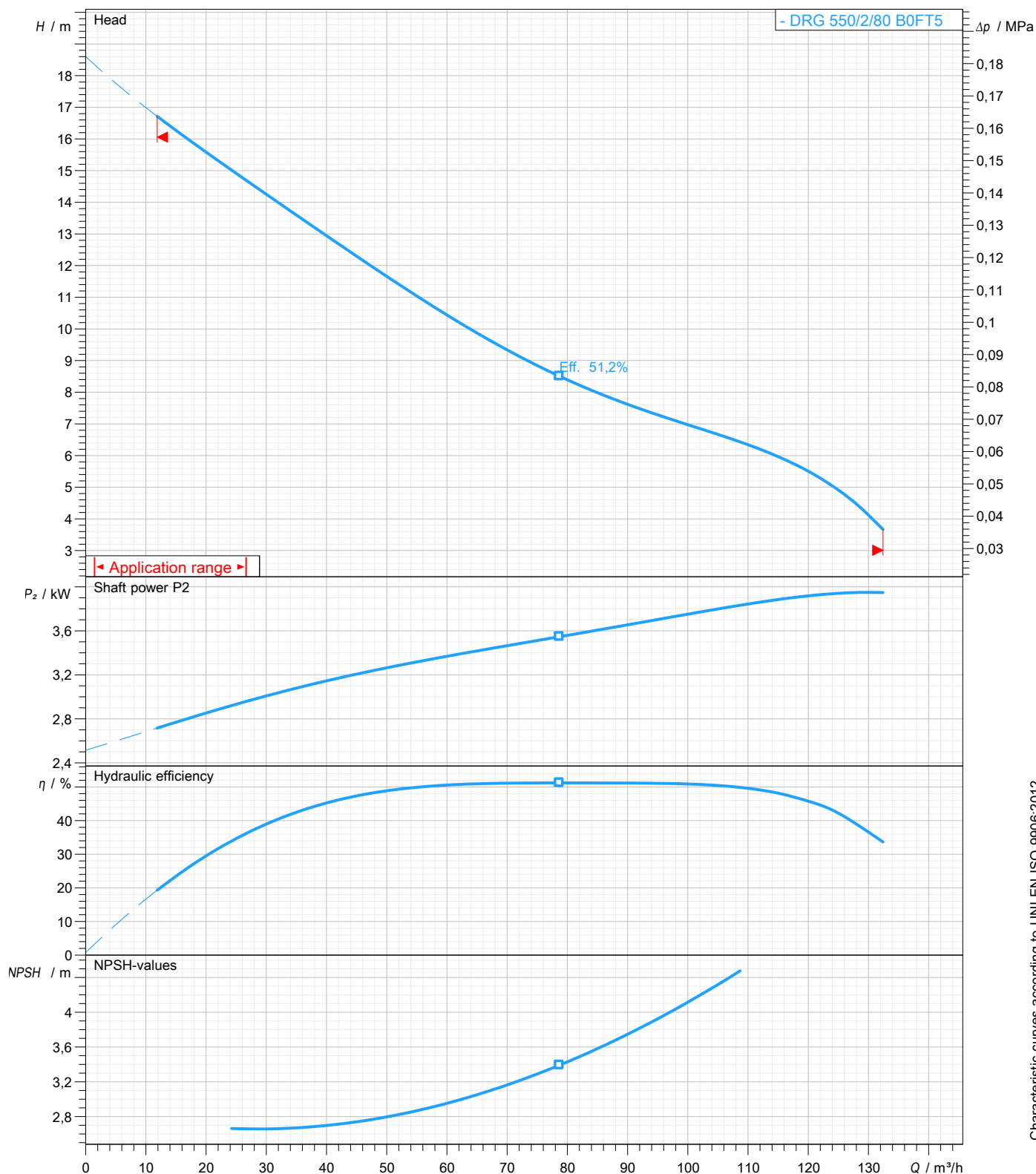
DRG 550/2/80 B0FT5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller		Free passage 55 x 50 mm	Discharge DN 80	Suction DN 80
DUTY POINT						
Flow	Head	Shaft power P2	Hydraulic efficiency	Density 998,3 kg/m³	Viscosity 1,005 mm²/s	

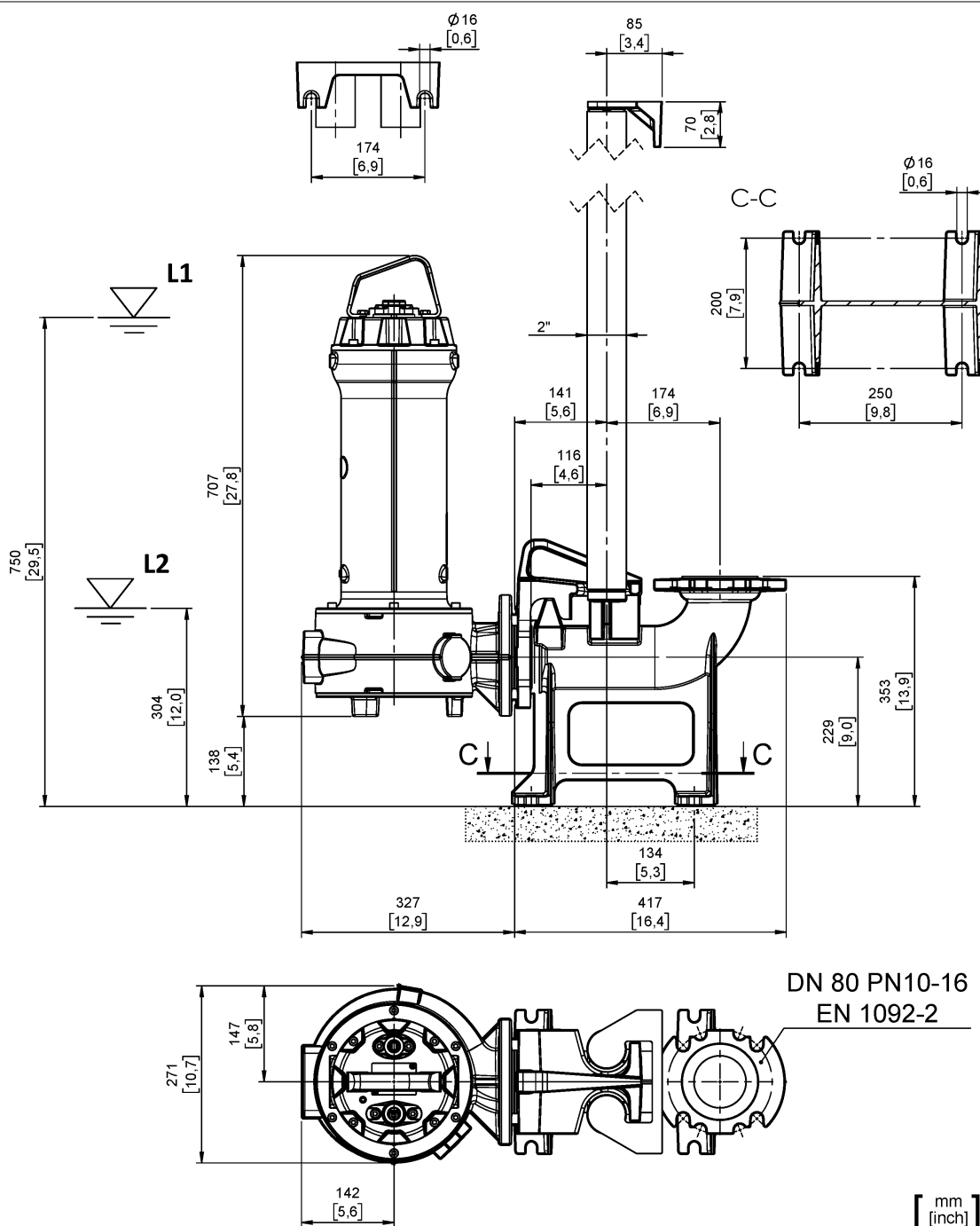


Characteristic curves according to UNI EN ISO 9906:2012
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

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

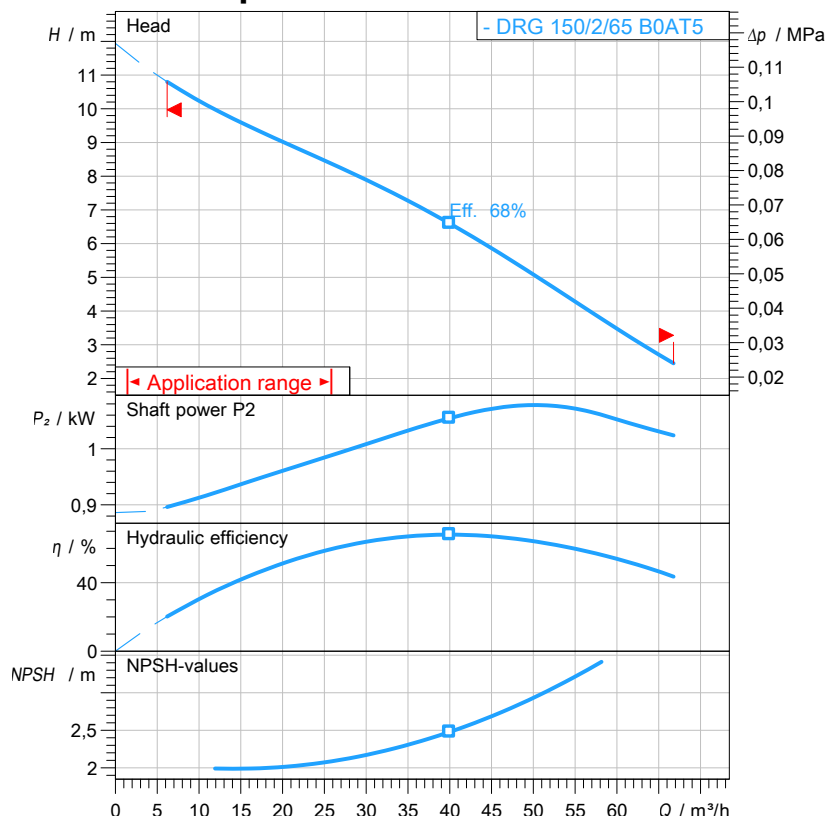
Data sheet

DRG 150/2/65 B0AT5

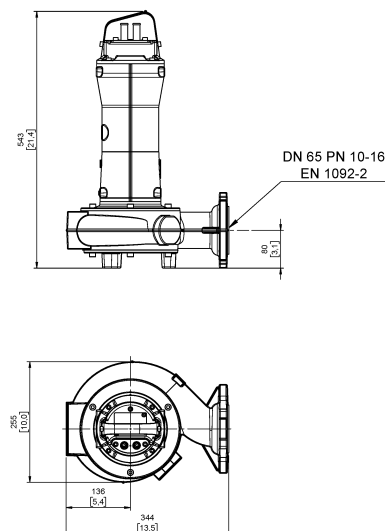
GREY
series

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	DRG 150/2/65 B0AT5
Configuration	NGNAB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P2	1,1 kW
Incoming power P1	1,33 kW
Rated current	2,43 A
rpm	2847 1/min
Efficiency	82,7 %
cos φ	0,79
Rated torque	3,7 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DR (Multi-channel open)
Free passage	35 x 30 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	68,0 %
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*	33,5 kg
Electrical variant	No electrical device equipped

* cable, stand and guiding system excluded



water solutions

Data sheet

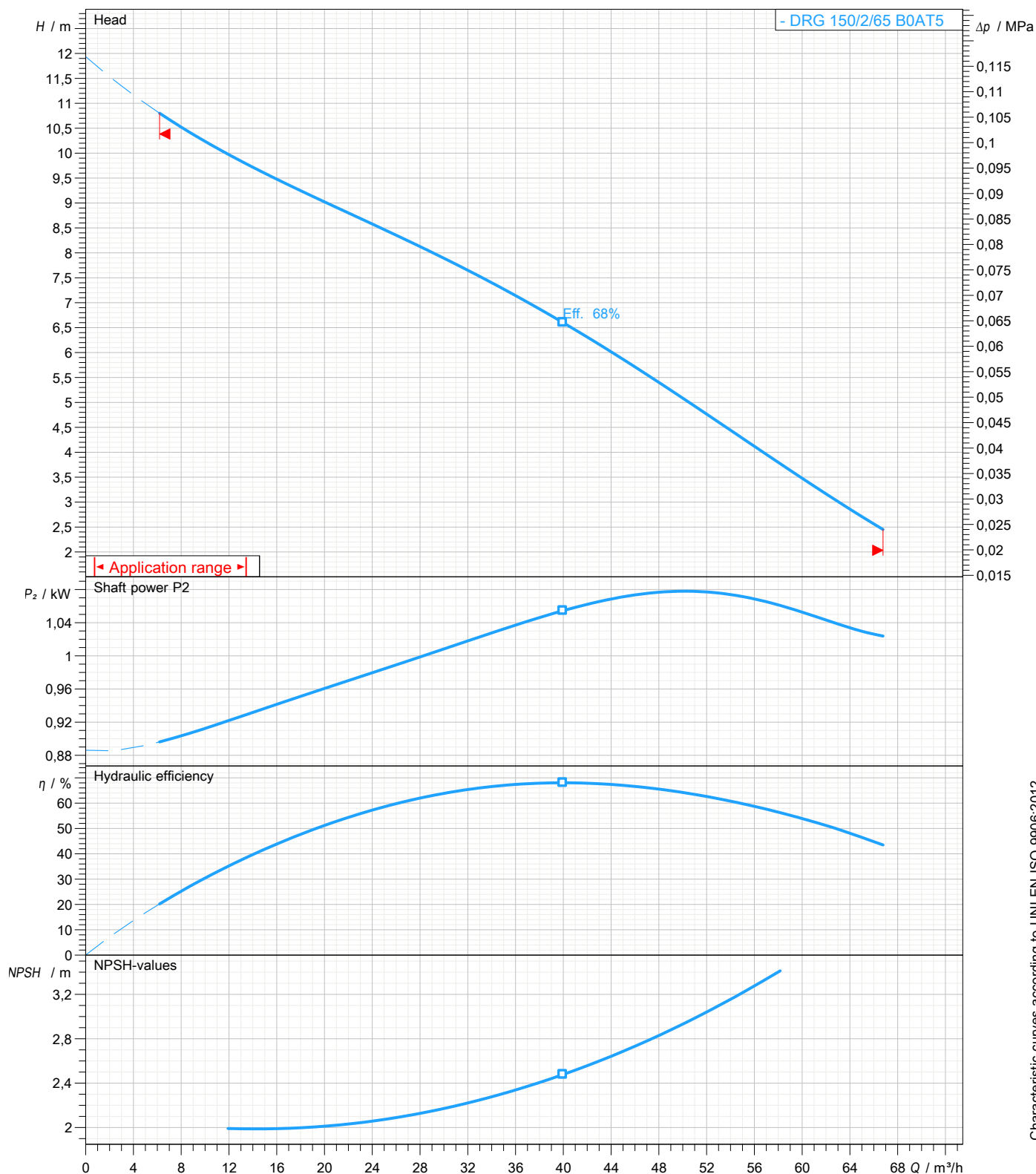
DRG 150/2/65 B0AT5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller	Free passage 35 x 30 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

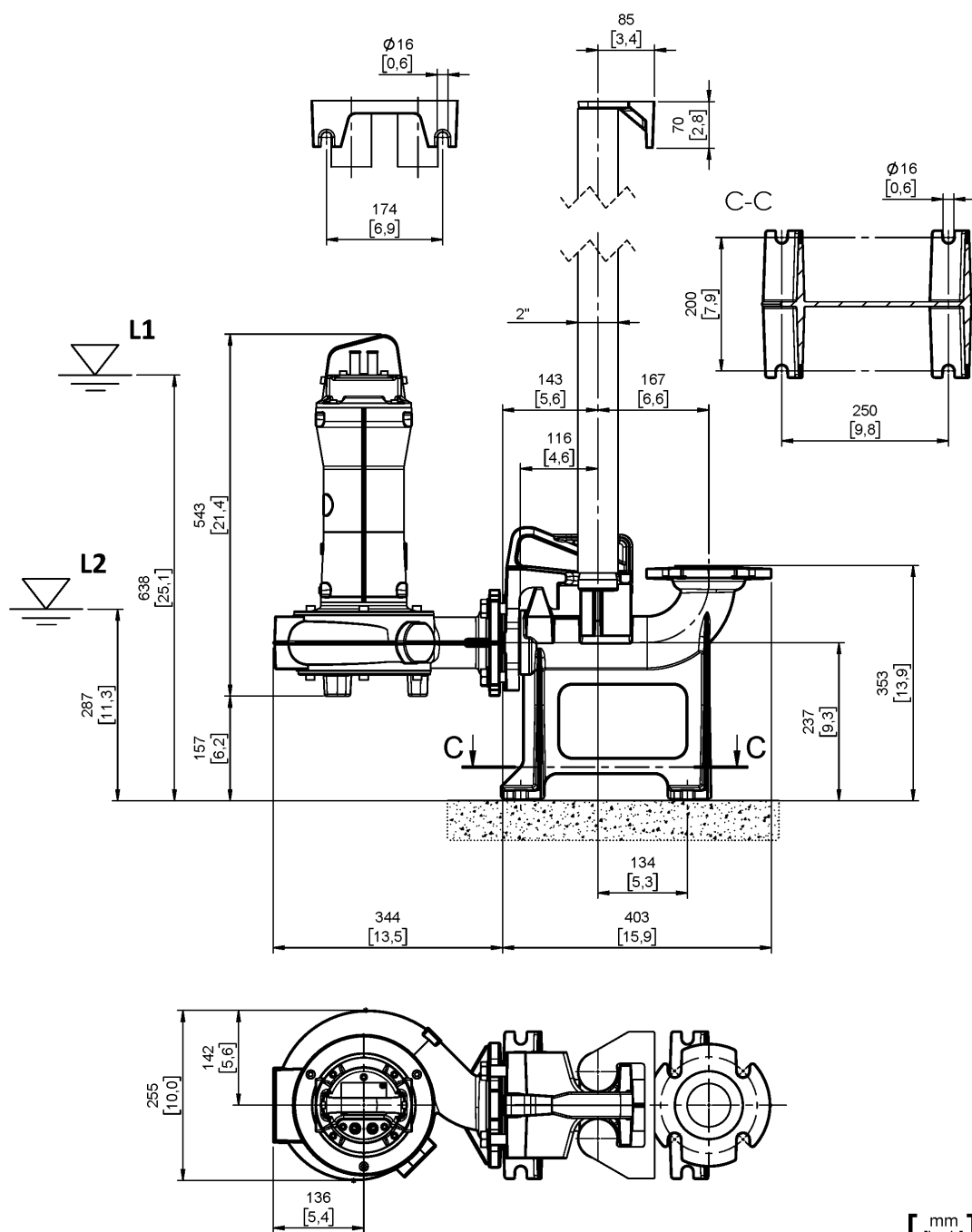


water solutions

Data sheet

DRG 150/2/65 B0AT5**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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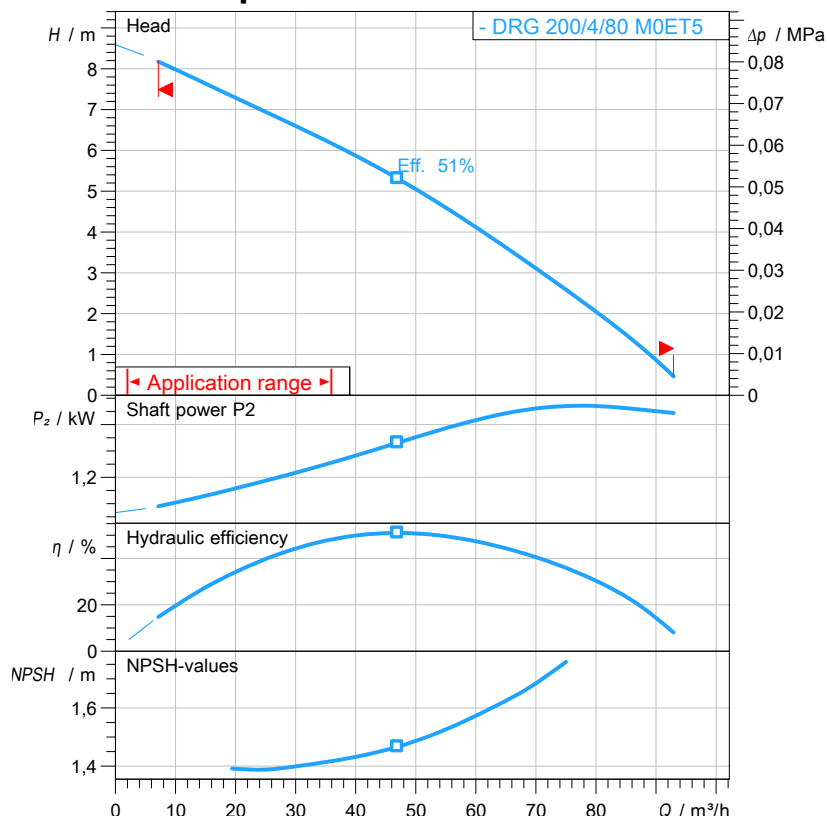
water solutions

Data sheet

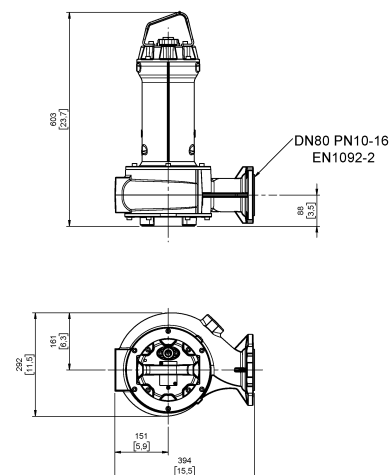
DRG 200/4/80 M0ET5

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	DRG 200/4/80 M0ET5
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	DR (Multi-channel open)
Free passage	45 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	51,0 %
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



water solutions

Data sheet

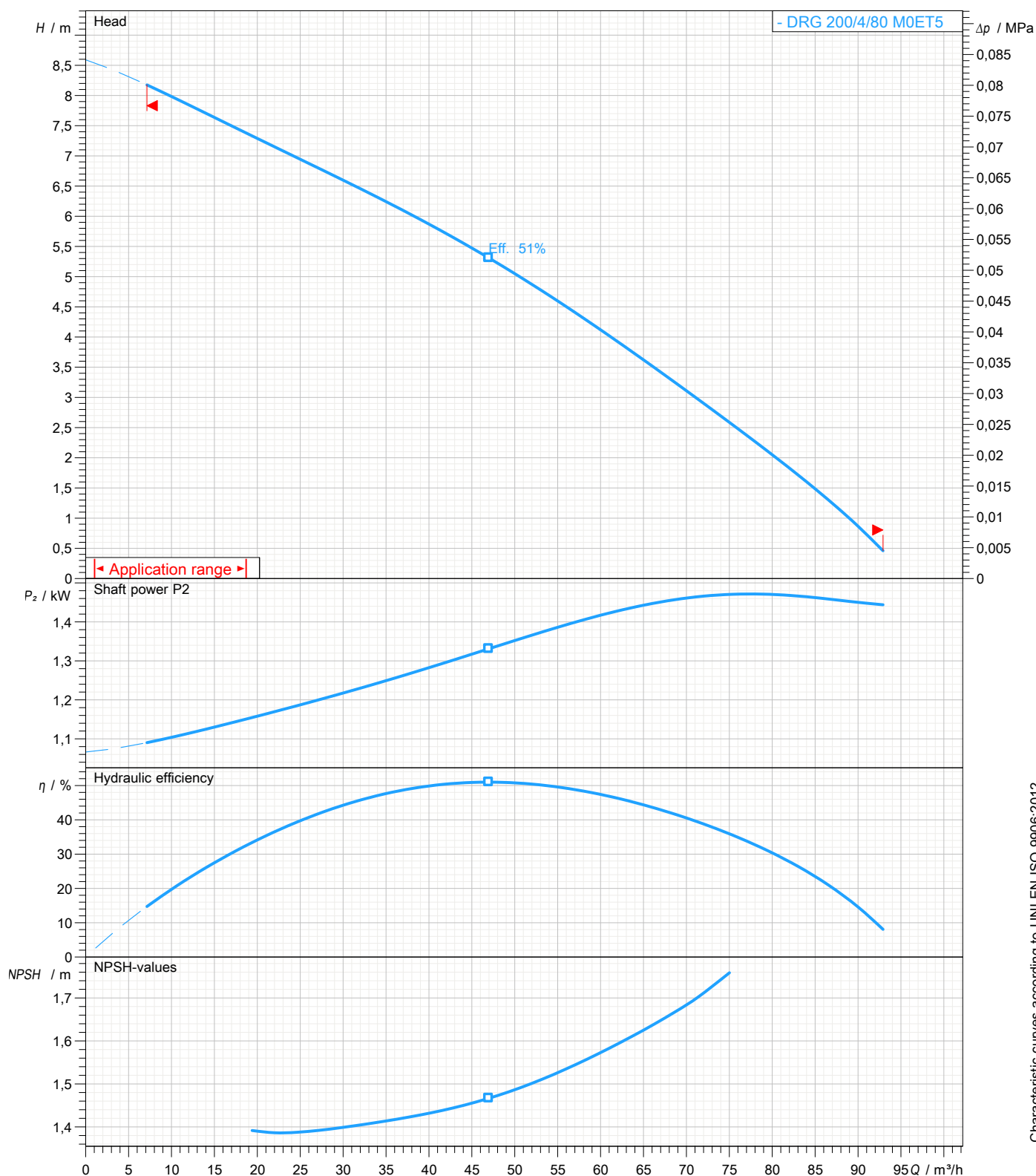
DRG 200/4/80 M0ET5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller	Free passage 45 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

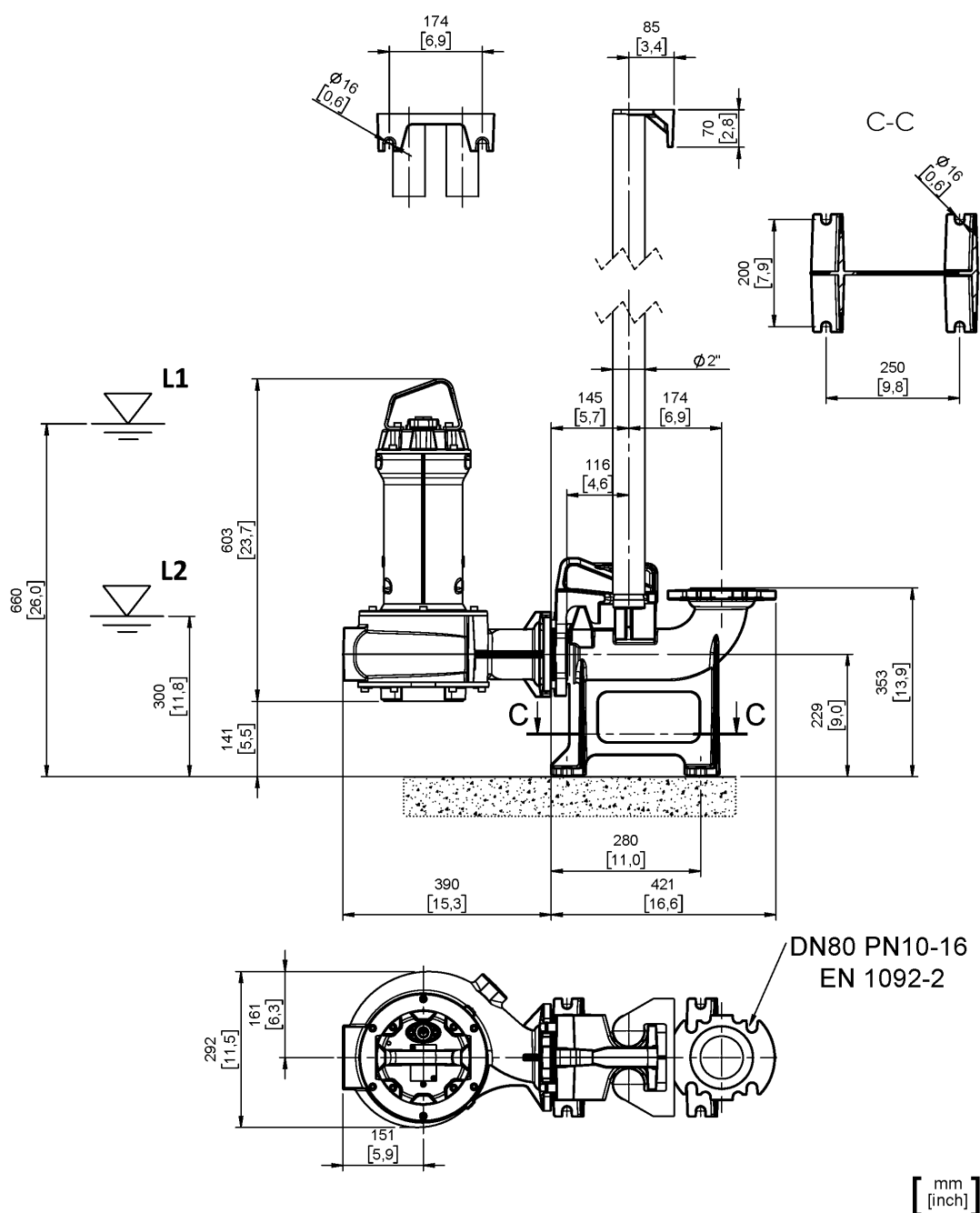


water solutions

Data sheet

DRG 200/4/80 M0ET5**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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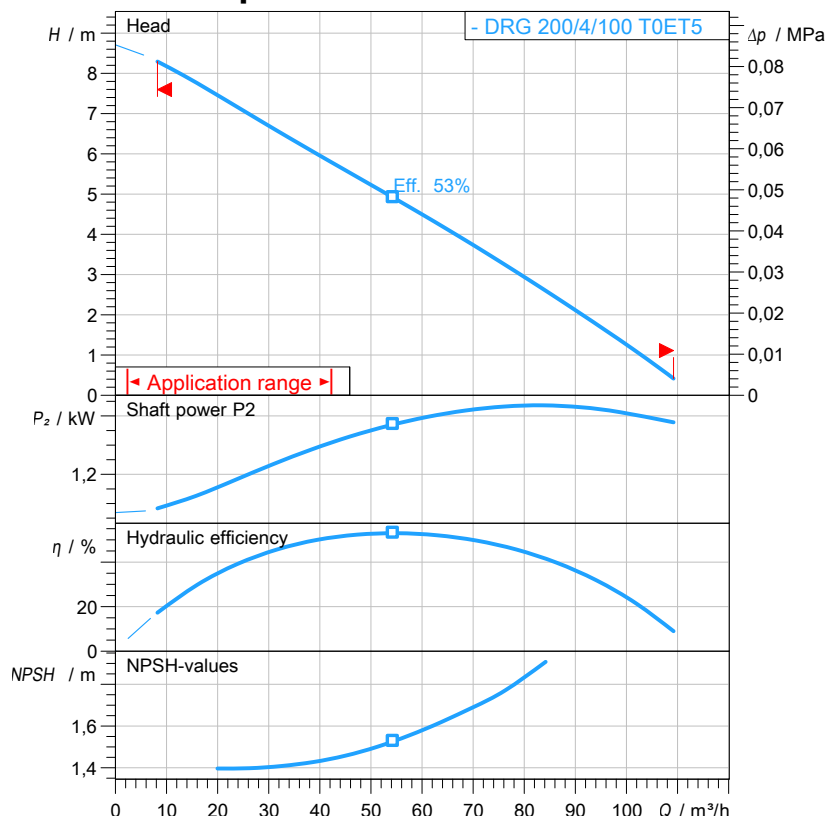
water solutions

Data sheet

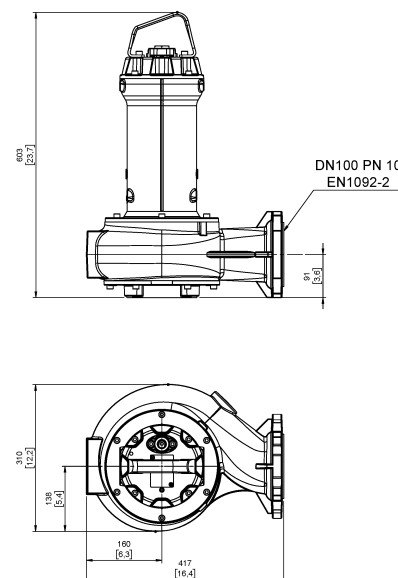
DRG 200/4/100 T0ET5

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	DRG 200/4/100 T0ET5
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	DR (Multi-channel open)
Free passage	45 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	53,0 %
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



water solutions

Data sheet

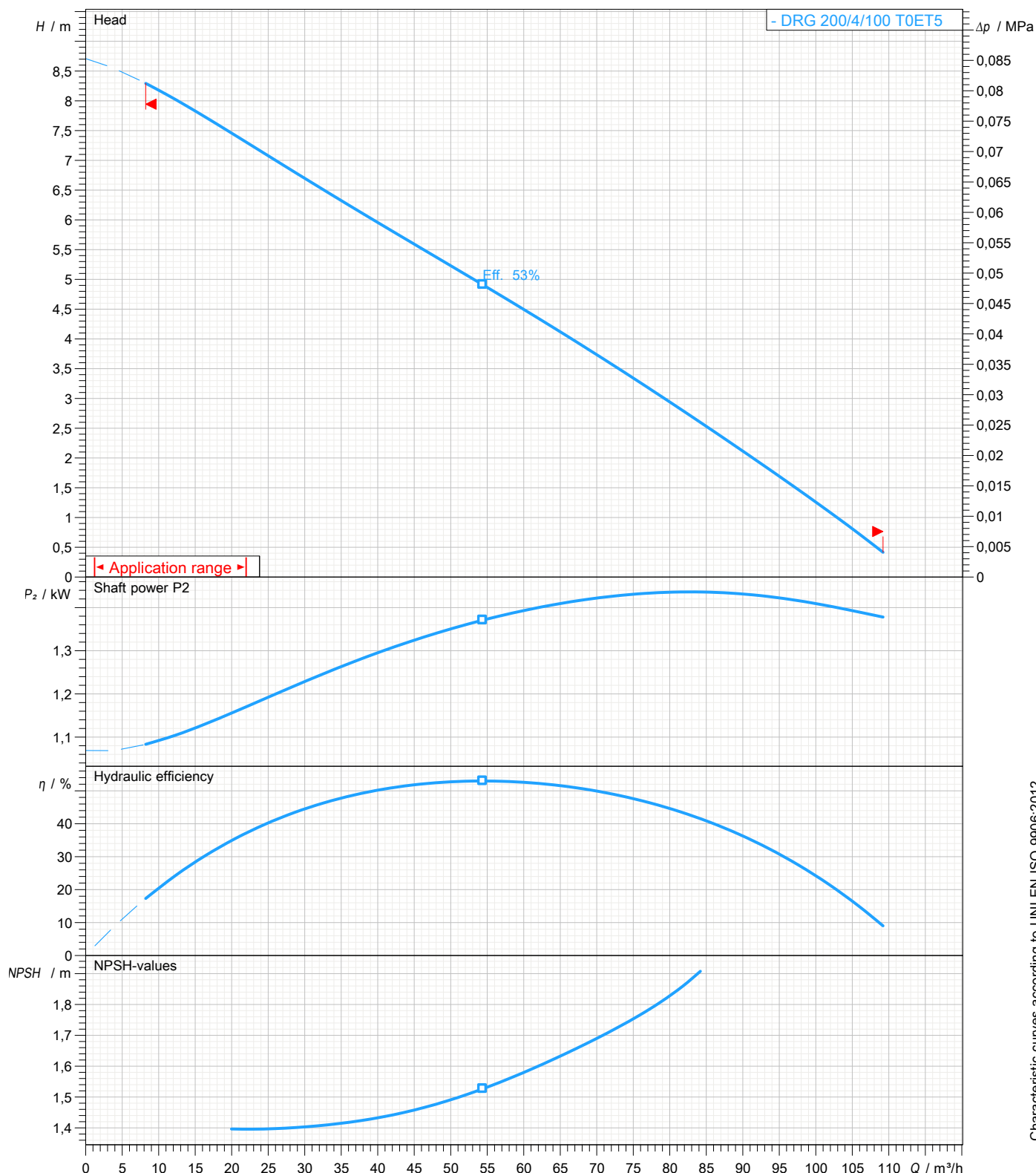
DRG 200/4/100 T0ET5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller	Free passage 45 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

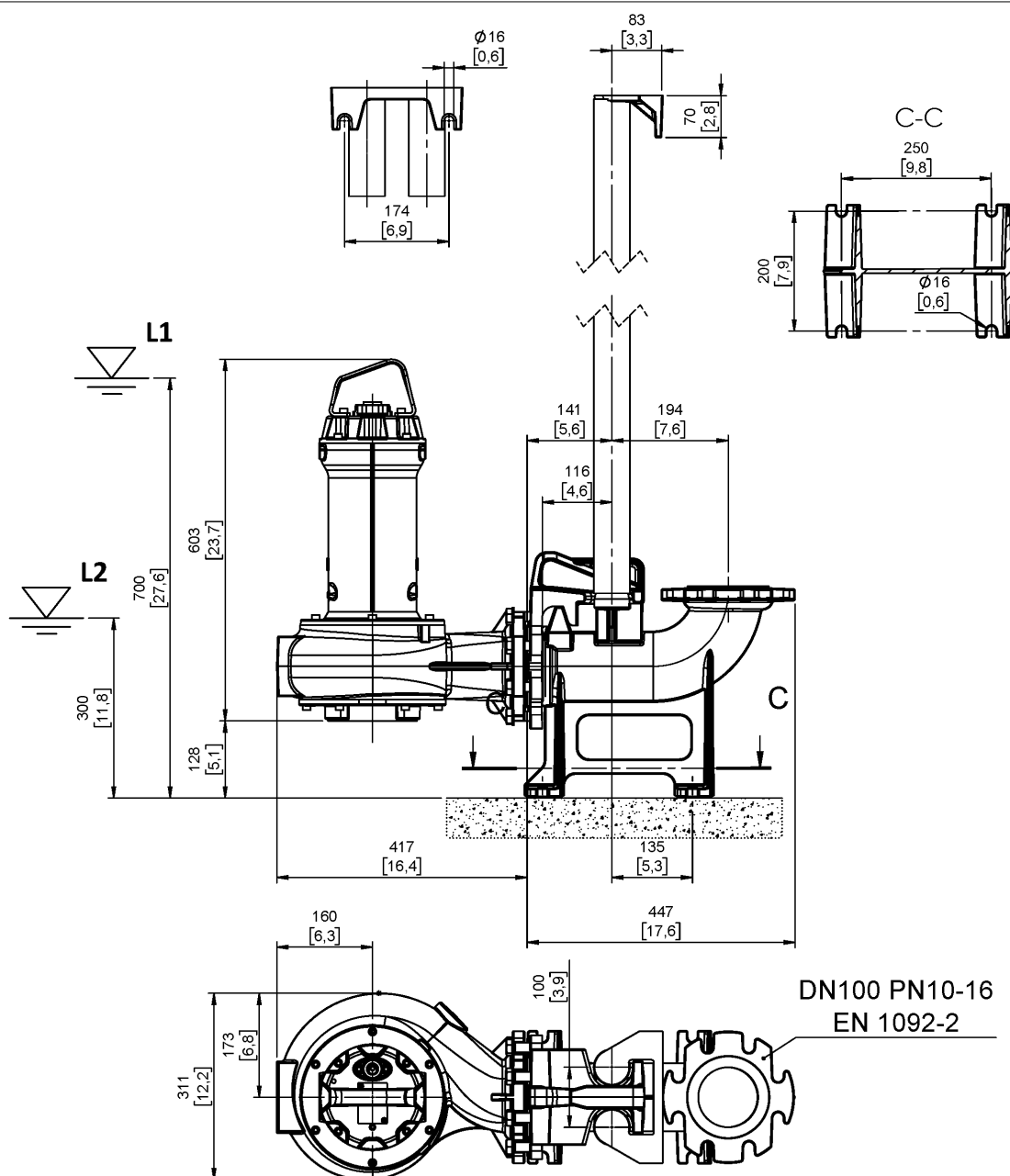
DRG 200/4/100 T0ET5

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)



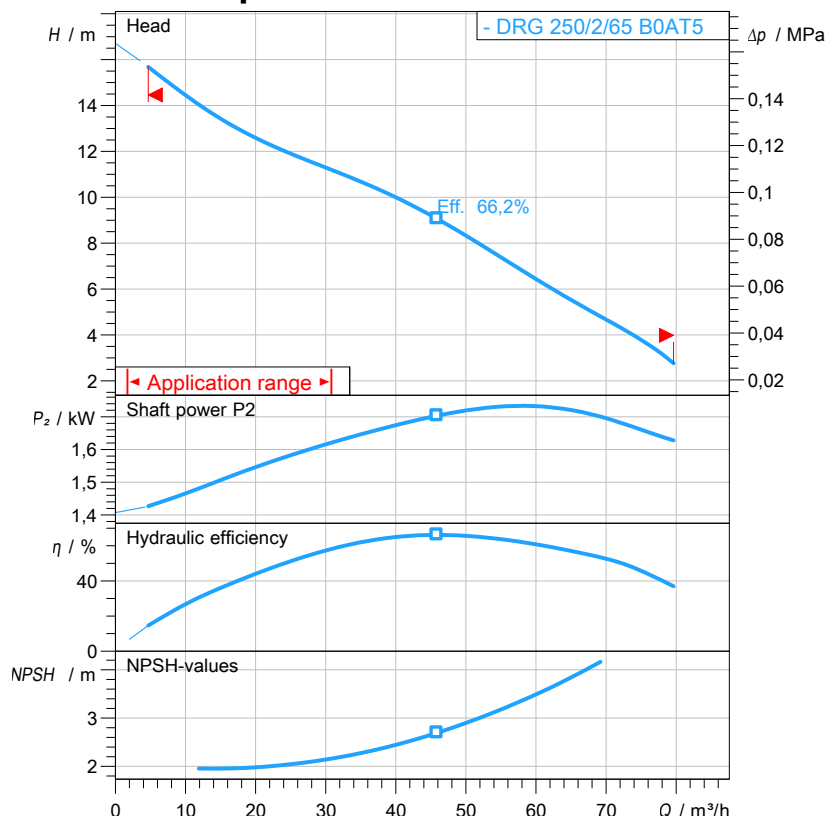
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Data sheet

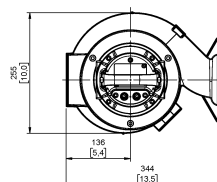
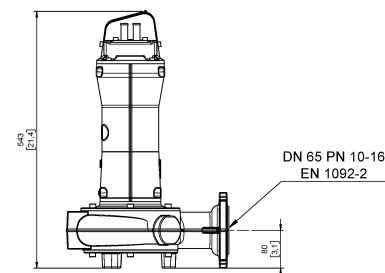
DRG 250/2/65 B0AT5

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	DRG 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	DR (Multi-channel open)
Free passage	35 x 30 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	66,2 %
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*	34 kg
Electrical variant	No electrical device equipped

* cable, stand and guiding system excluded



water solutions

Data sheet

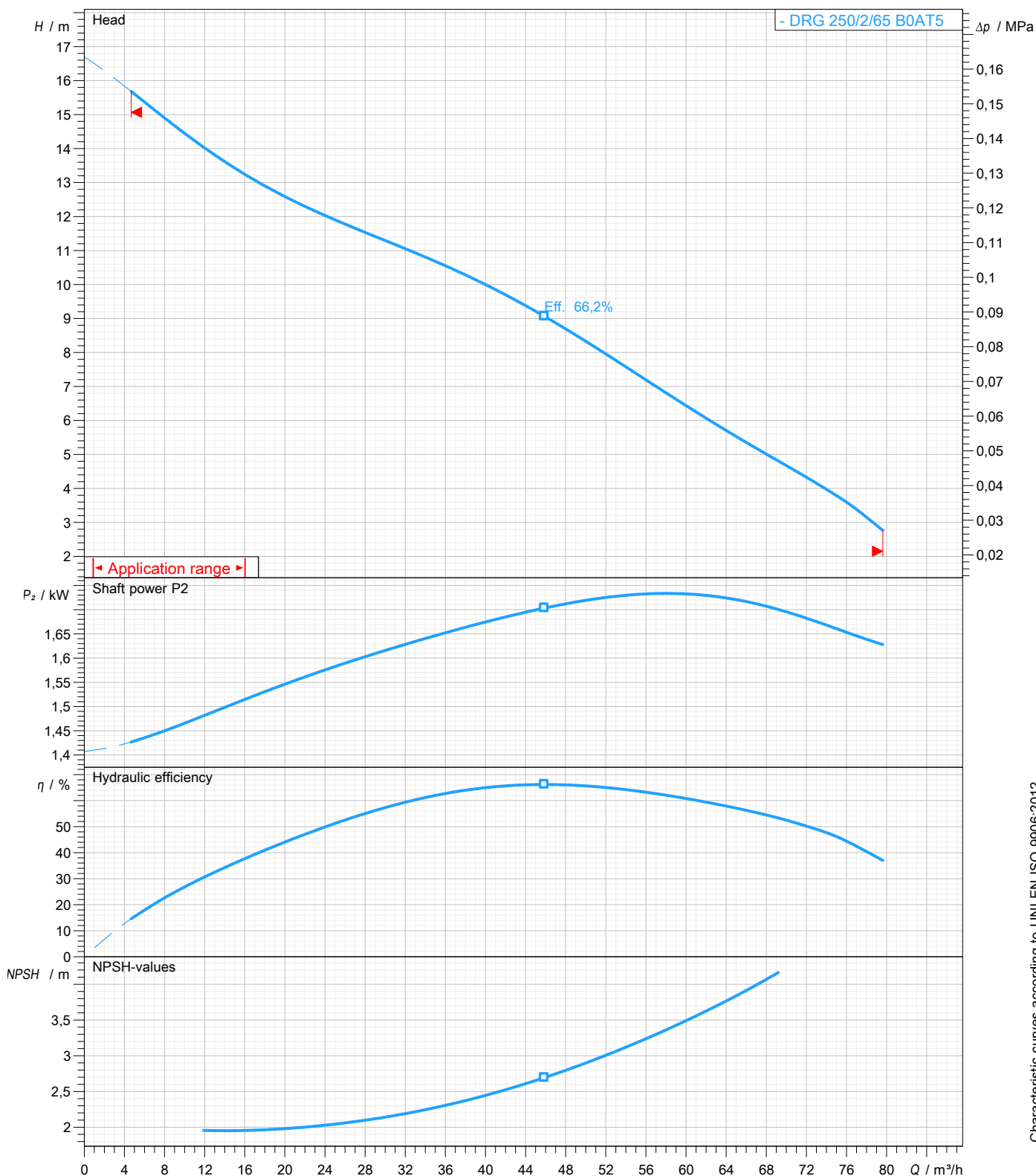
DRG 250/2/65 B0AT5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller		Free passage 35 x 30 mm	Discharge DN 65	Suction DN 65
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

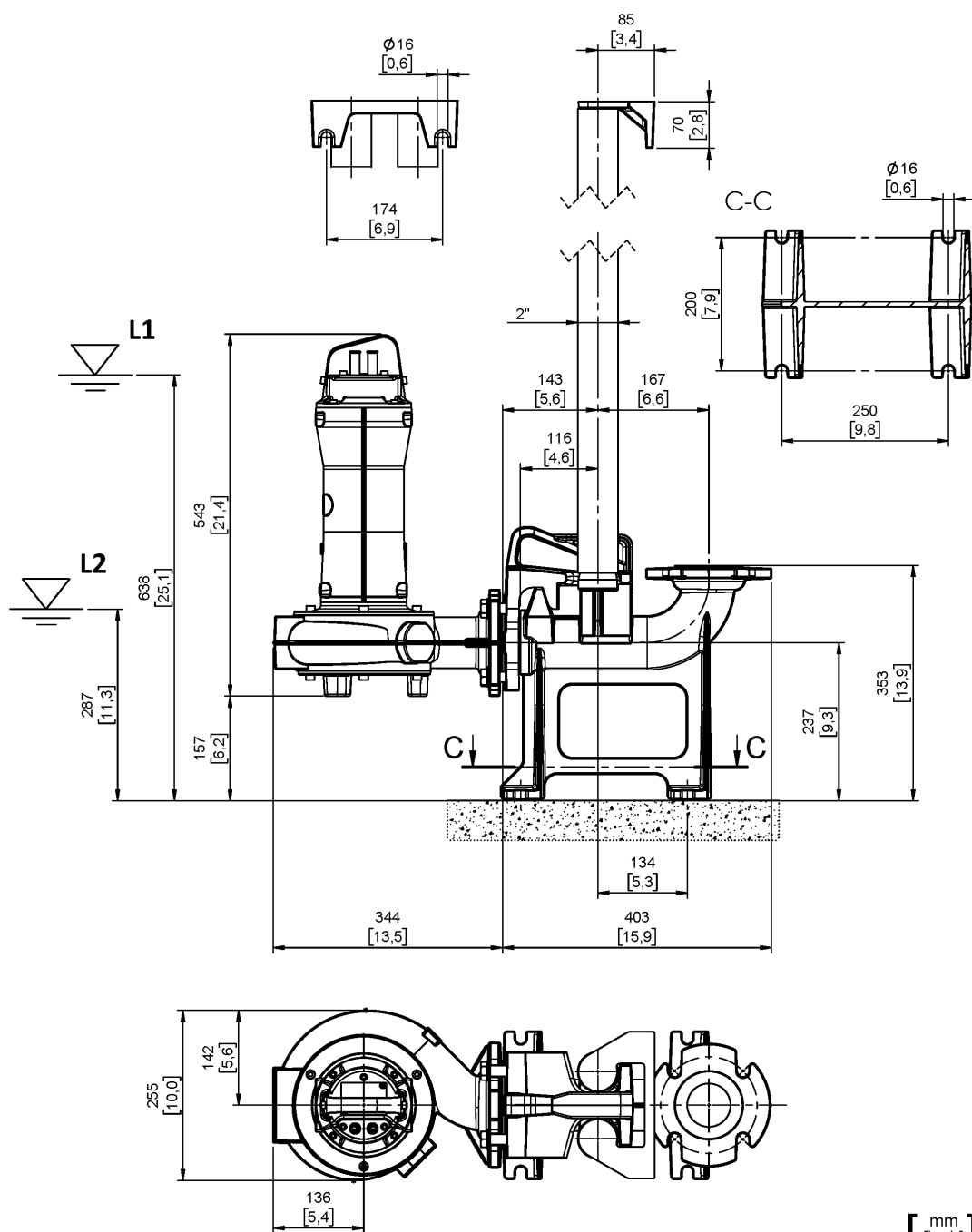


water solutions

Data sheet

DRG 250/2/65 B0AT5**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)



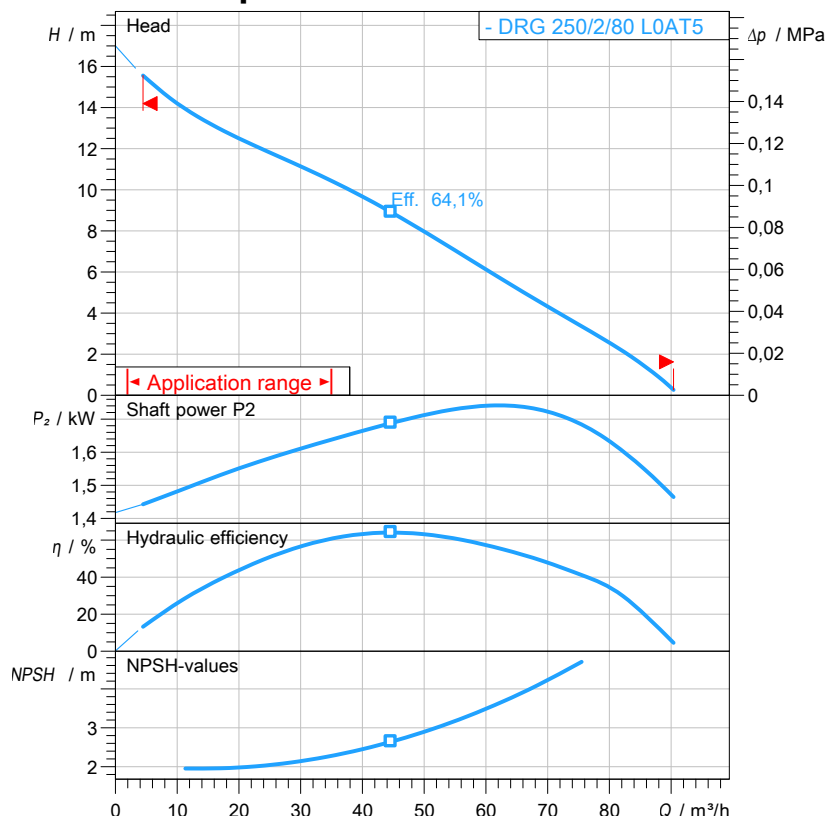
water solutions

Data sheet

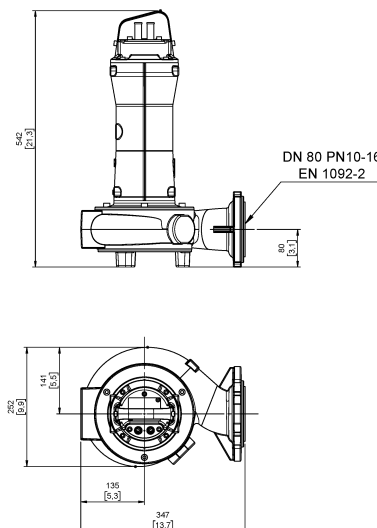
DRG 250/2/80 L0AT5

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	DRG 250/2/80 L0AT5
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	DR (Multi-channel open)
Free passage	35 x 30 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	64,1 %
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*	36 kg
Electrical variant	No electrical device equipped

* cable, stand and guiding system excluded



water solutions

Data sheet

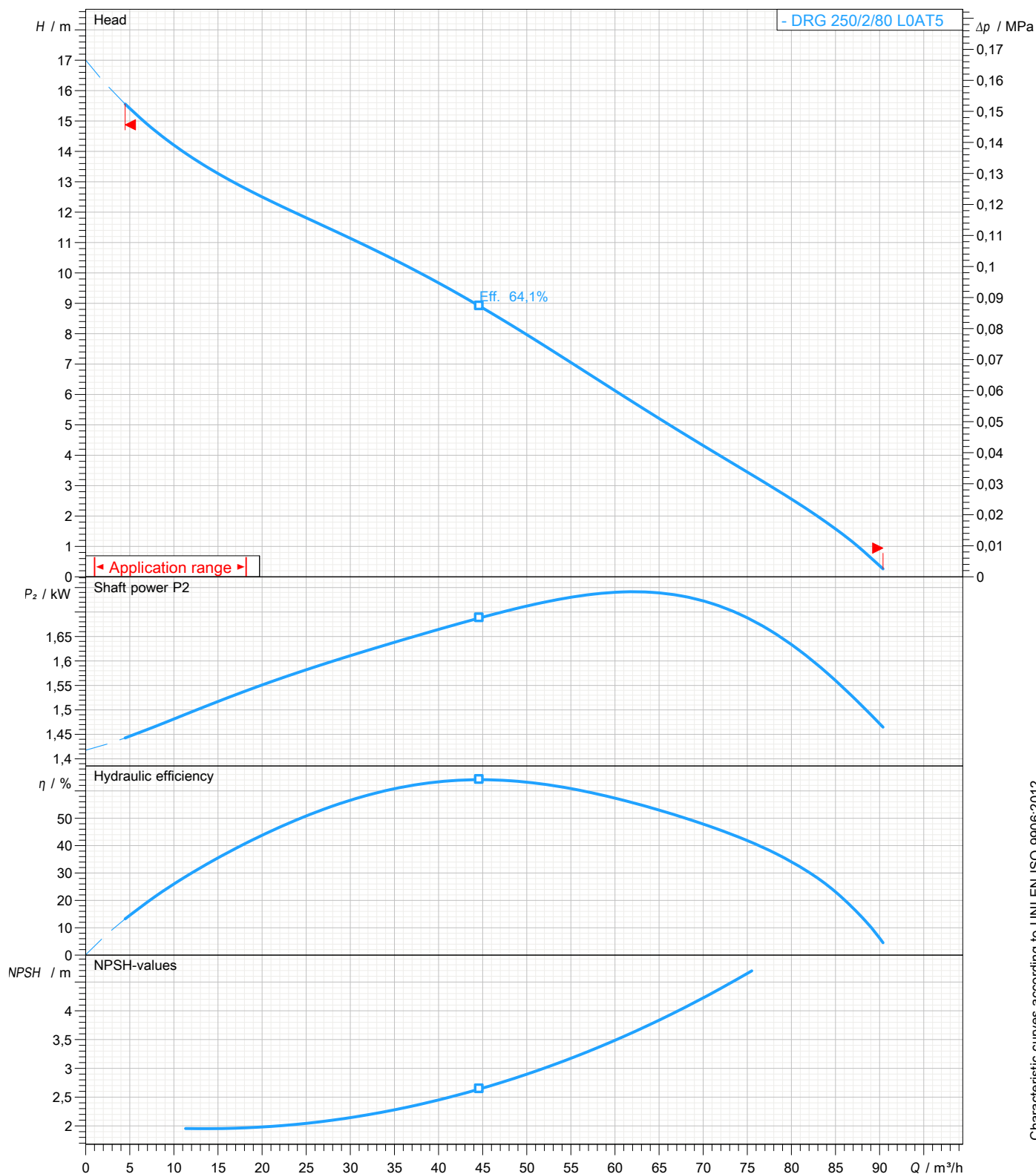
DRG 250/2/80 L0AT5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller	Free passage 35 x 30 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

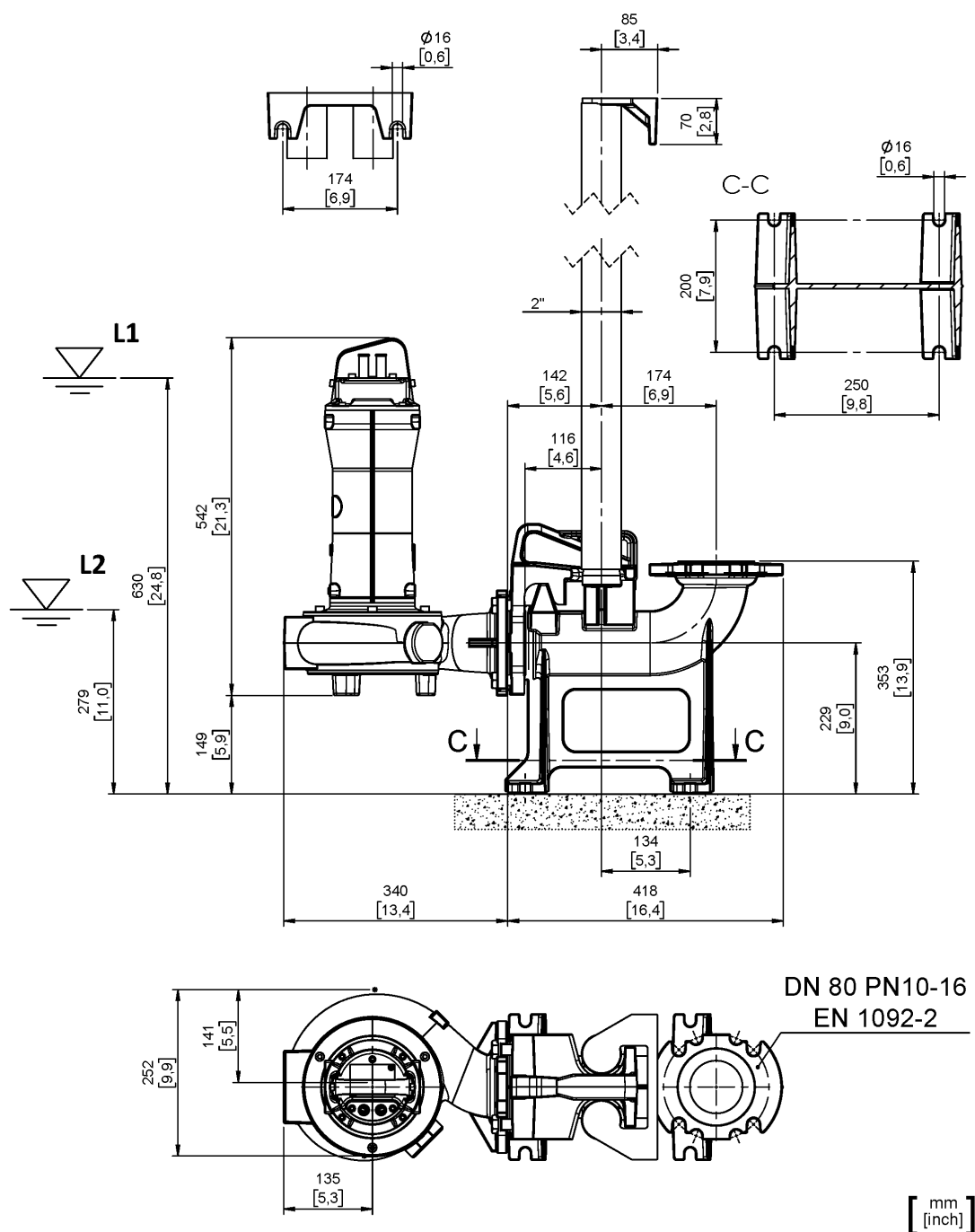


Characteristic curves according to UNI EN ISO 9906:2012
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

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

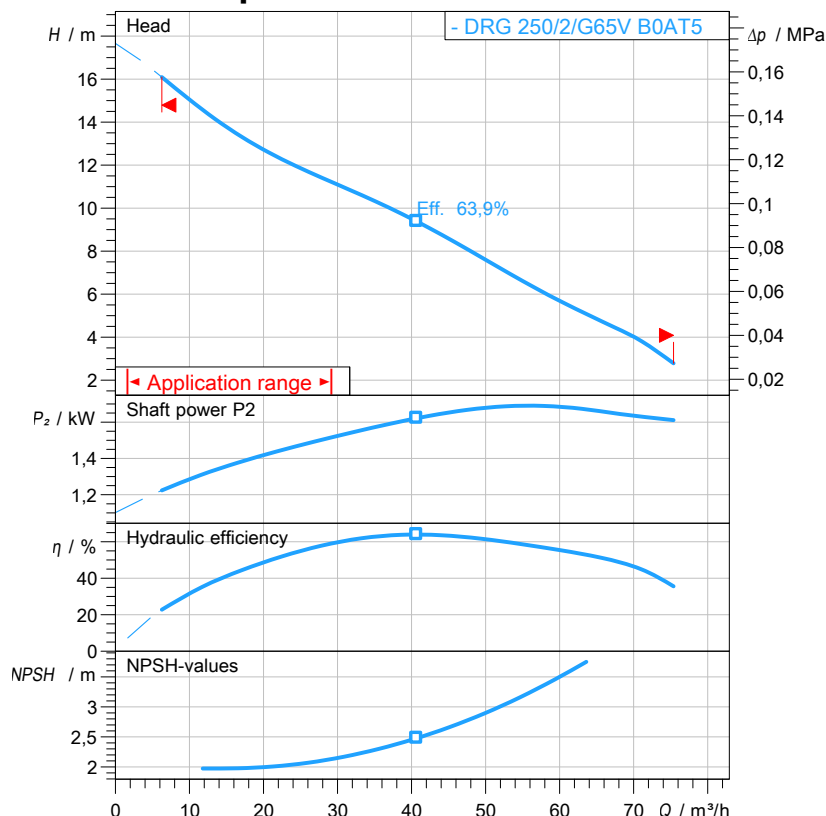
Data sheet

DRG 250/2/G65V B0AT5

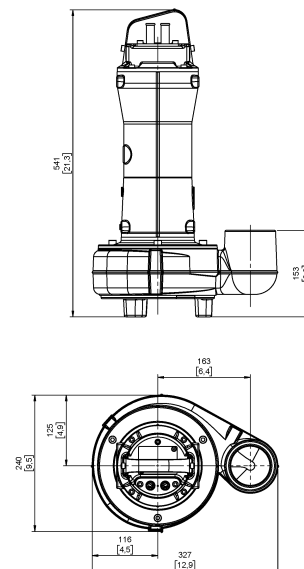
GREY
series

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	DRG 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	DR (Multi-channel open)
Free passage	35 x 30 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	63,9 %
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*	33 kg
Electrical variant	No electrical device equipped

* cable, stand and guiding system excluded



water solutions

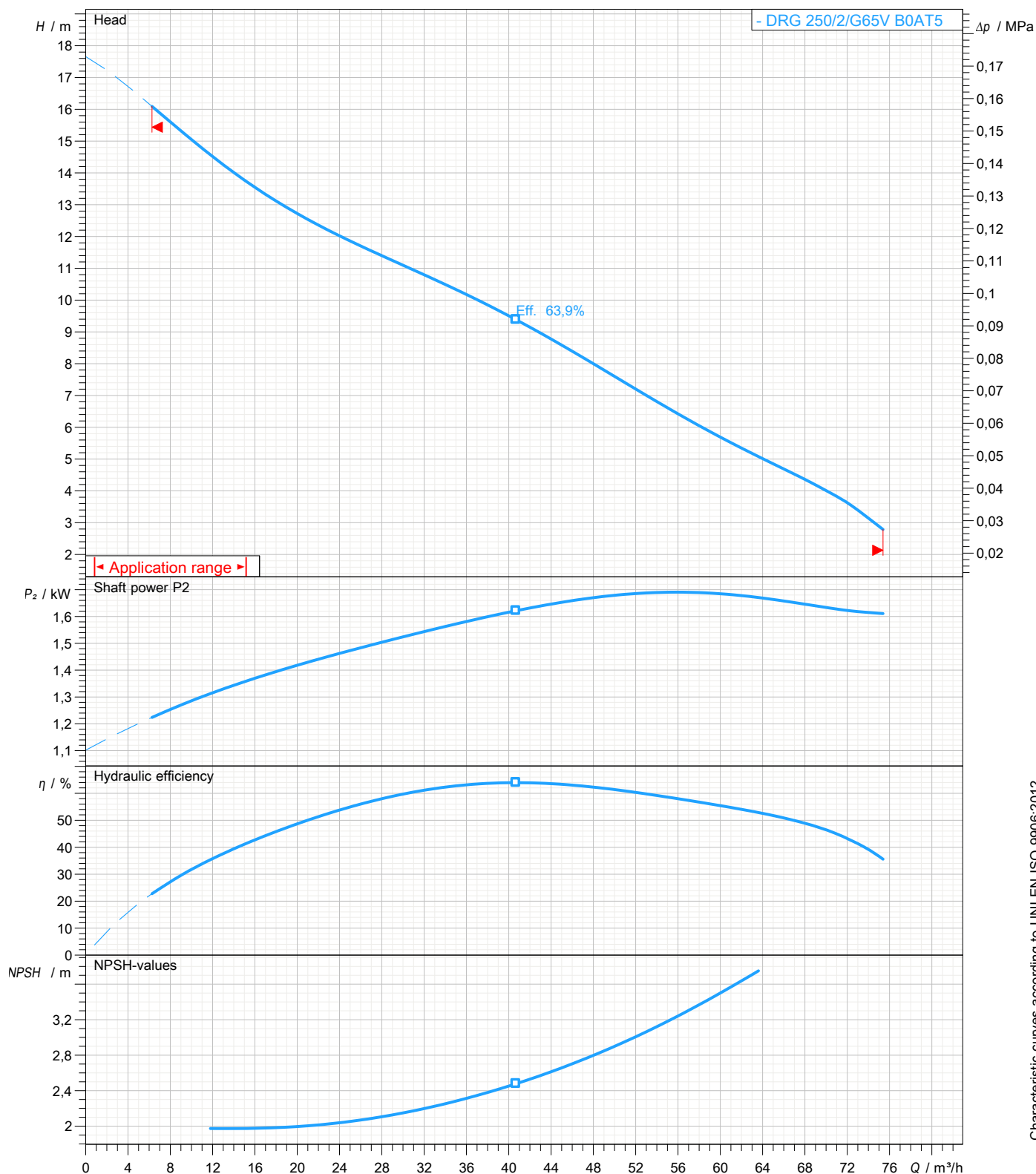
Data sheet

DRG 250/2/G65V B0AT5**GREY**

series

Pump performance curves**3~ 50 Hz**

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller		Free passage 35 x 30 mm	Discharge G 2" 1/2	Suction DN 65
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

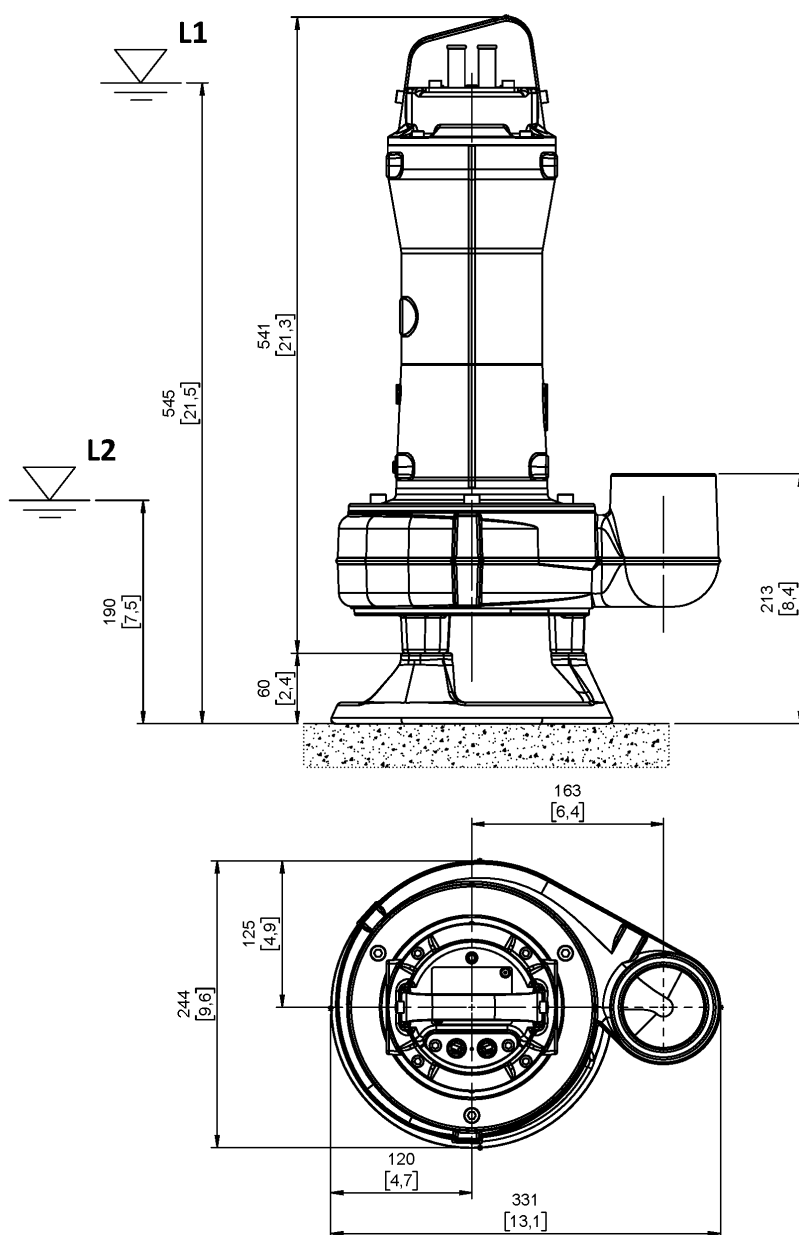
Data sheet

DRG 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 I160 (S)		Accessory code 9024.010
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

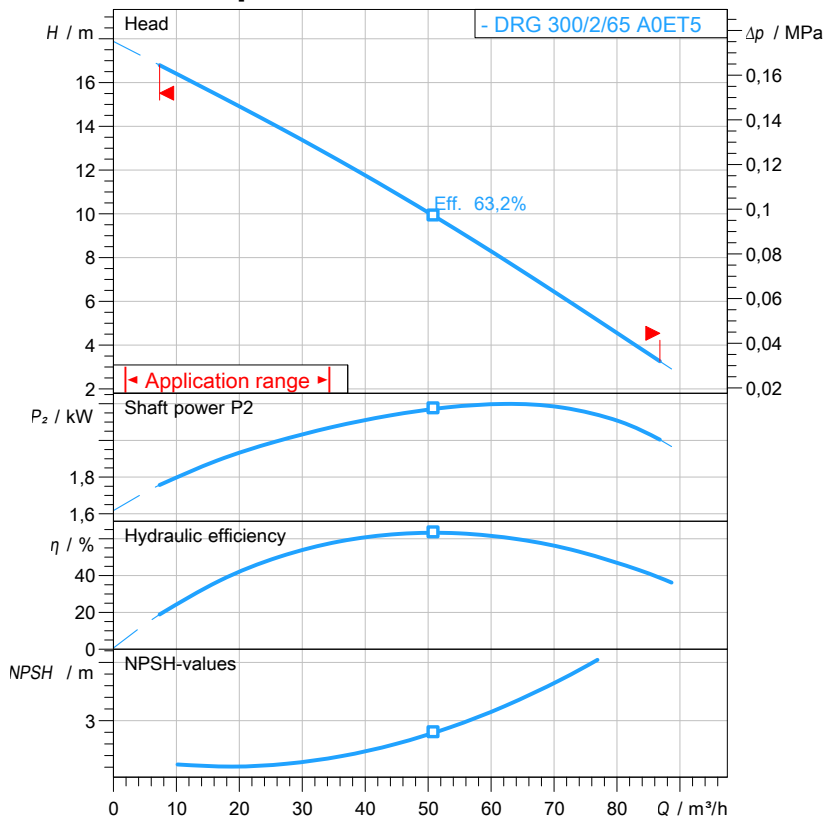
Data sheet

DRG 300/2/65 A0ET5

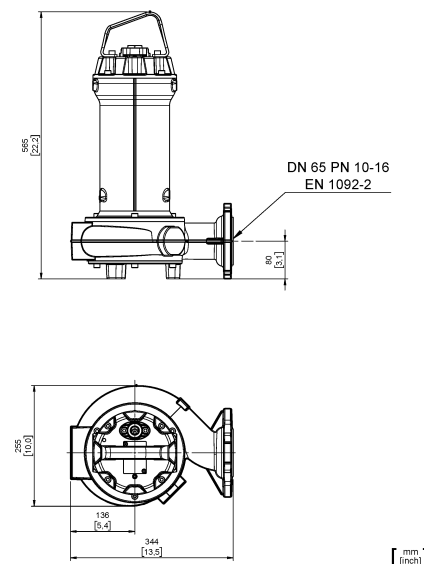
GREY
series

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	DRG 300/2/65 A0ET5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P2	2,2 kW
Incoming power P1	2,76 kW
Rated current	4,62 A
rpm	2880 1/min
Efficiency	79,7 %
cos φ	0,862
Rated torque	7,3 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DR (Multi-channel open)
Free passage	40 x 35 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	63,2 %
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*	44,2 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

Data sheet

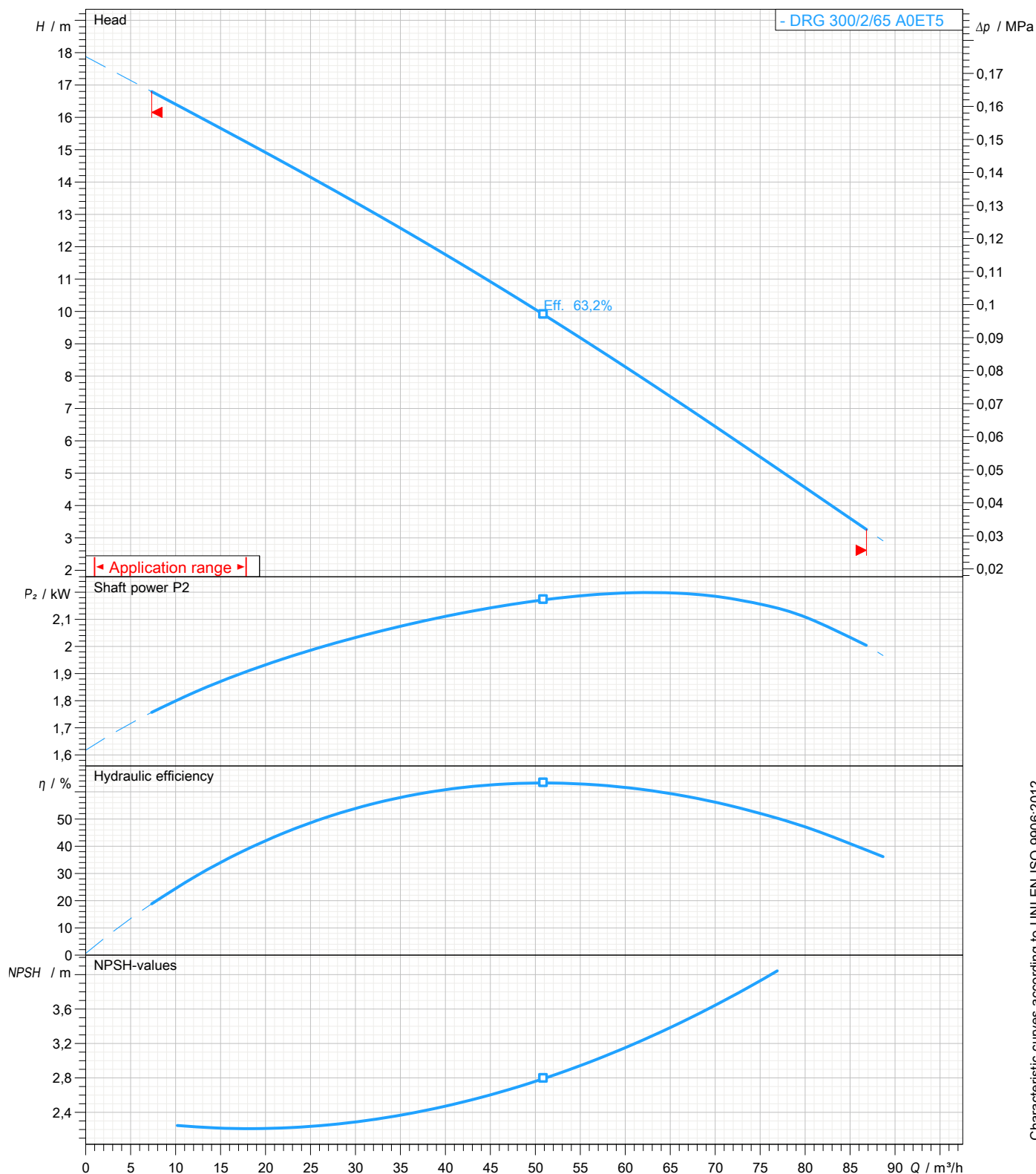
DRG 300/2/65 A0ET5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller	Free passage 40 x 35 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

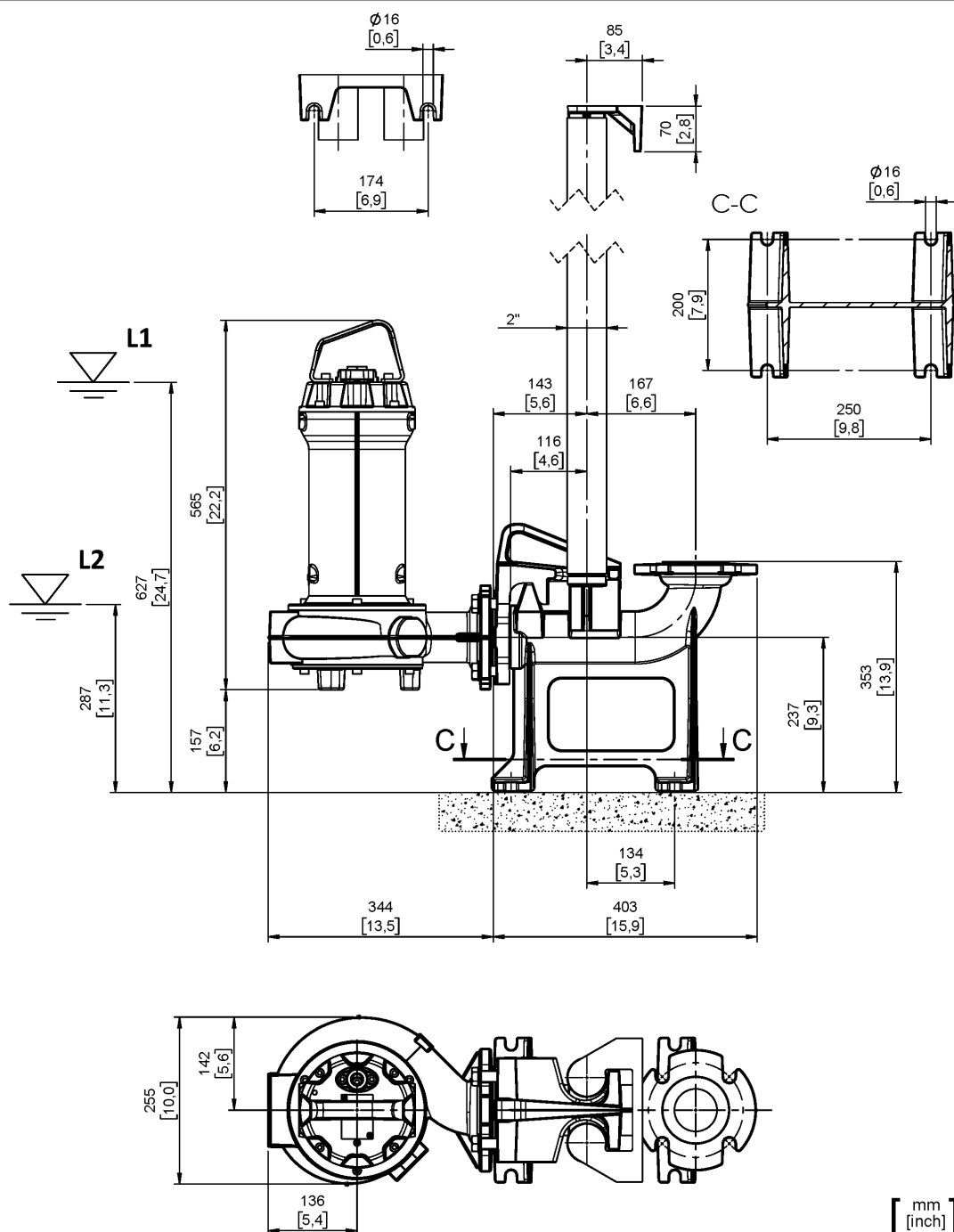


water solutions

Data sheet

DRG 300/2/65 A0ET5**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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water solutions

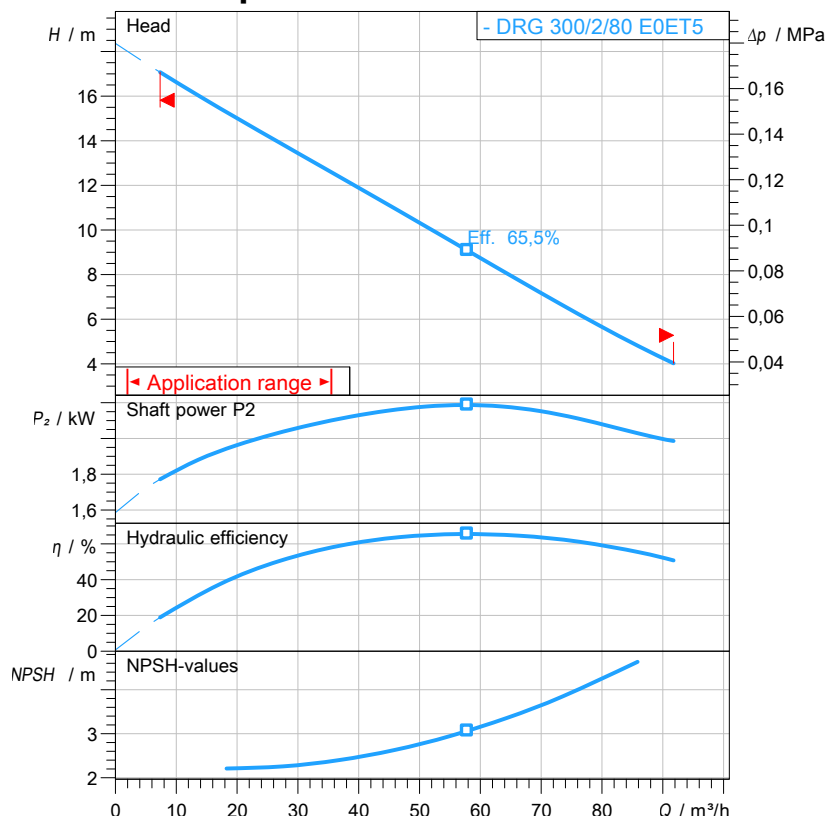
Data sheet

DRG 300/2/80 E0ET5

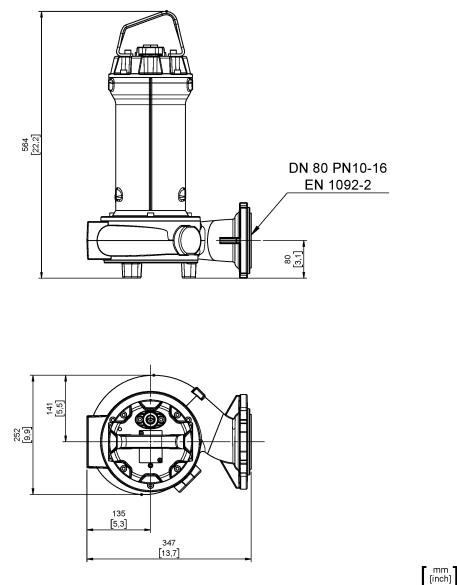
GREY
series

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	DRG 300/2/80 E0ET5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P_2	2,2 kW
Incoming power P_1	2,76 kW
Rated current	4,62 A
rpm	2880 1/min
Efficiency	79,7 %
$\cos \phi$	0,862
Rated torque	7,3 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DR (Multi-channel open)
Free passage	40 x 35 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	65,5 %
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*	45,2 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

Data sheet

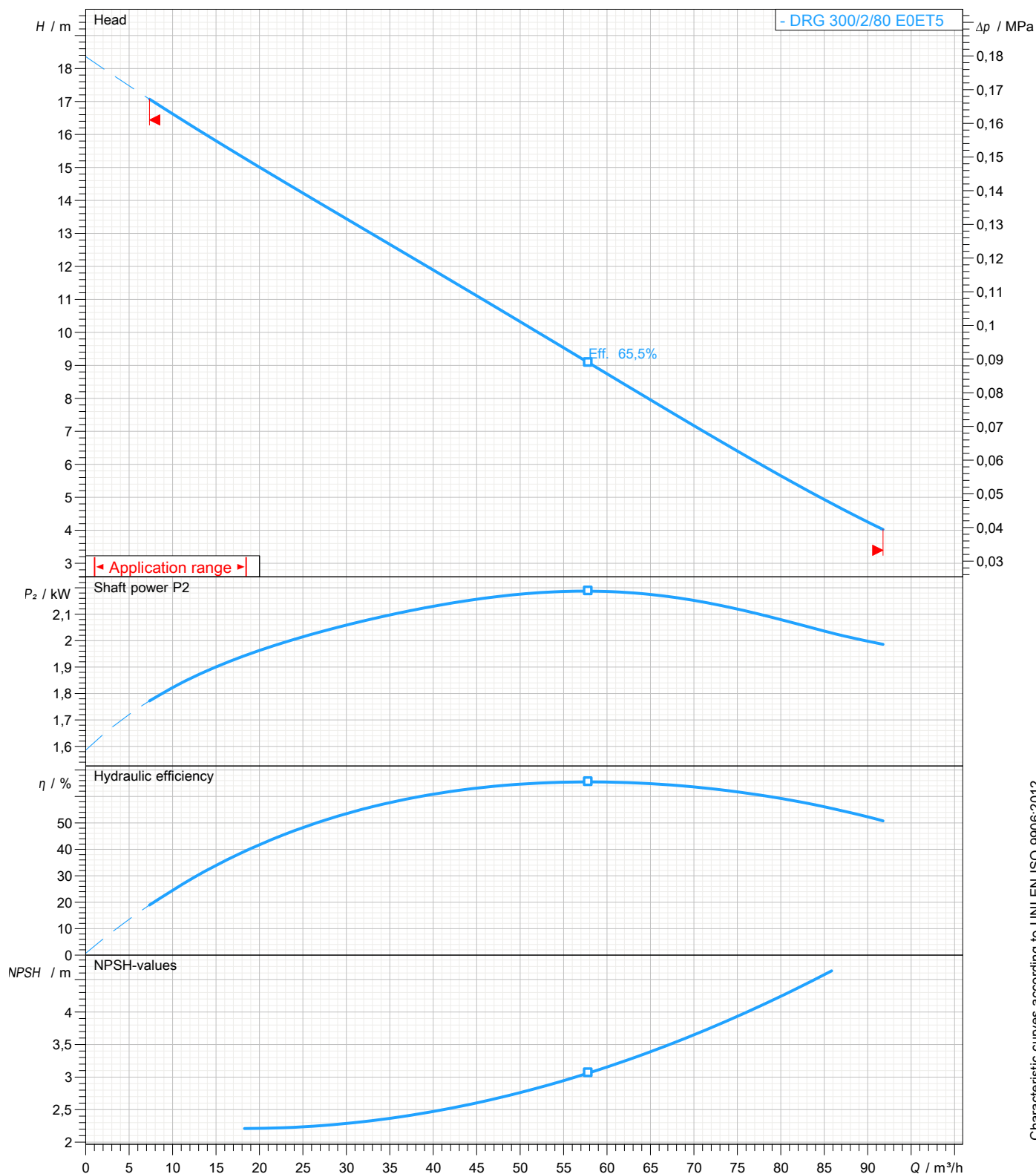
DRG 300/2/80 E0ET5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller	Free passage 40 x 35 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

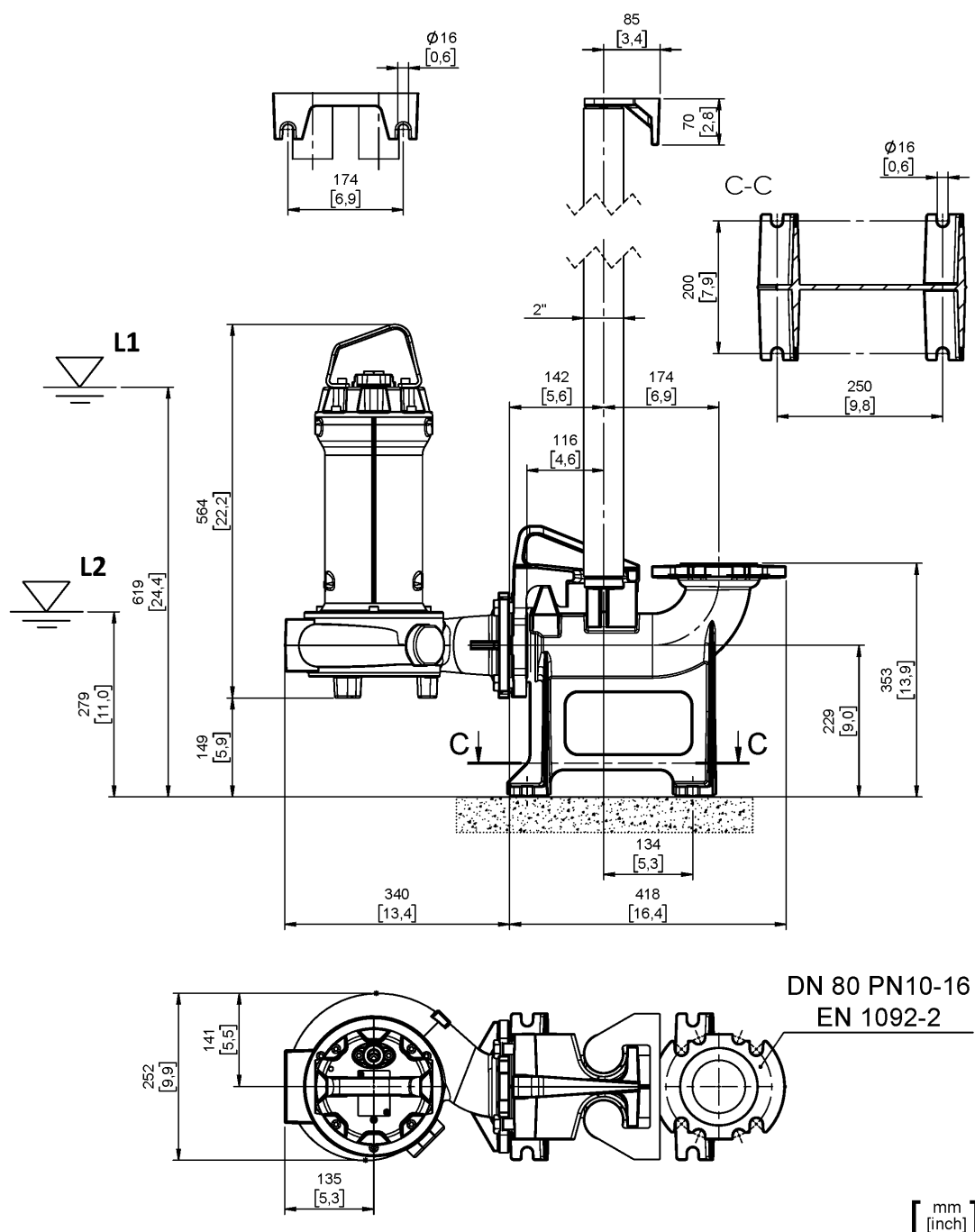
Data sheet

DRG 300/2/80 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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water solutions

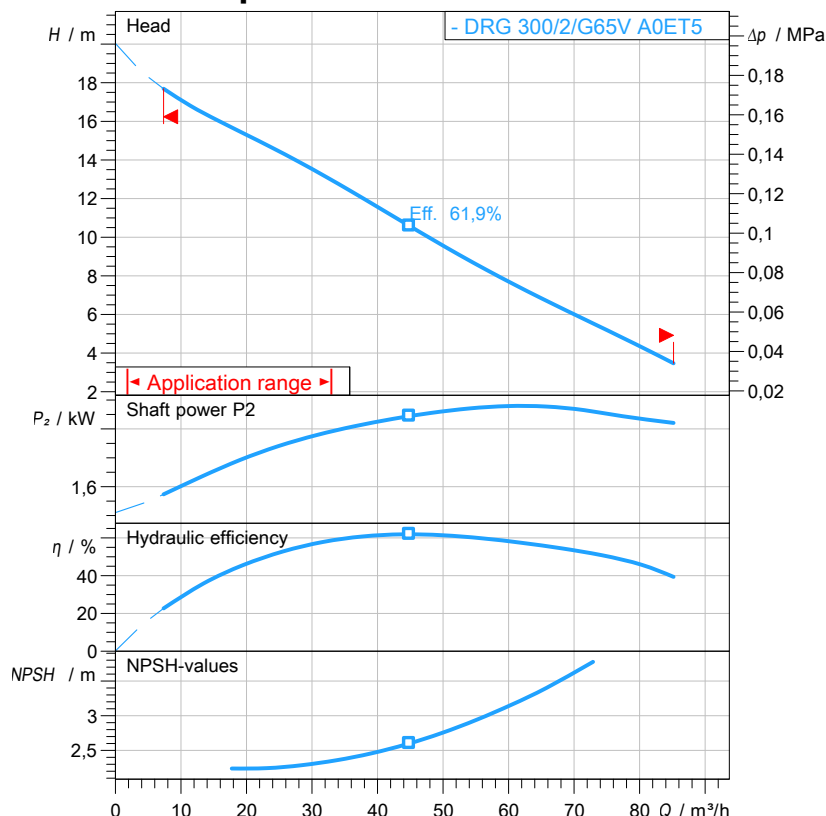
Data sheet

DRG 300/2/G65V A0ET5

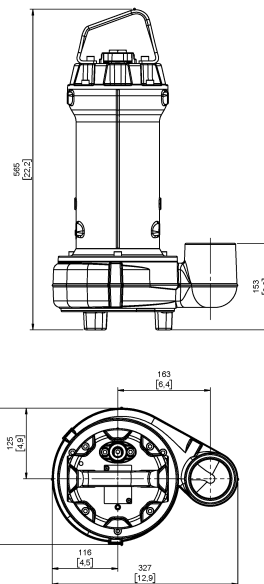
GREY
series

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	DRG 300/2/G65V A0ET5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P2	2,2 kW
Incoming power P1	2,76 kW
Rated current	4,62 A
rpm	2880 1/min
Efficiency	79,7 %
cos φ	0,862
Rated torque	7,3 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DR (Multi-channel open)
Free passage	40 x 35 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	61,9 %
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	4G1,5 + 3x1
Cable length	10 mt
Mechanical seals	2 in silicon carbide (2SiC)
Additional drilling	-
Weight*	42,2 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

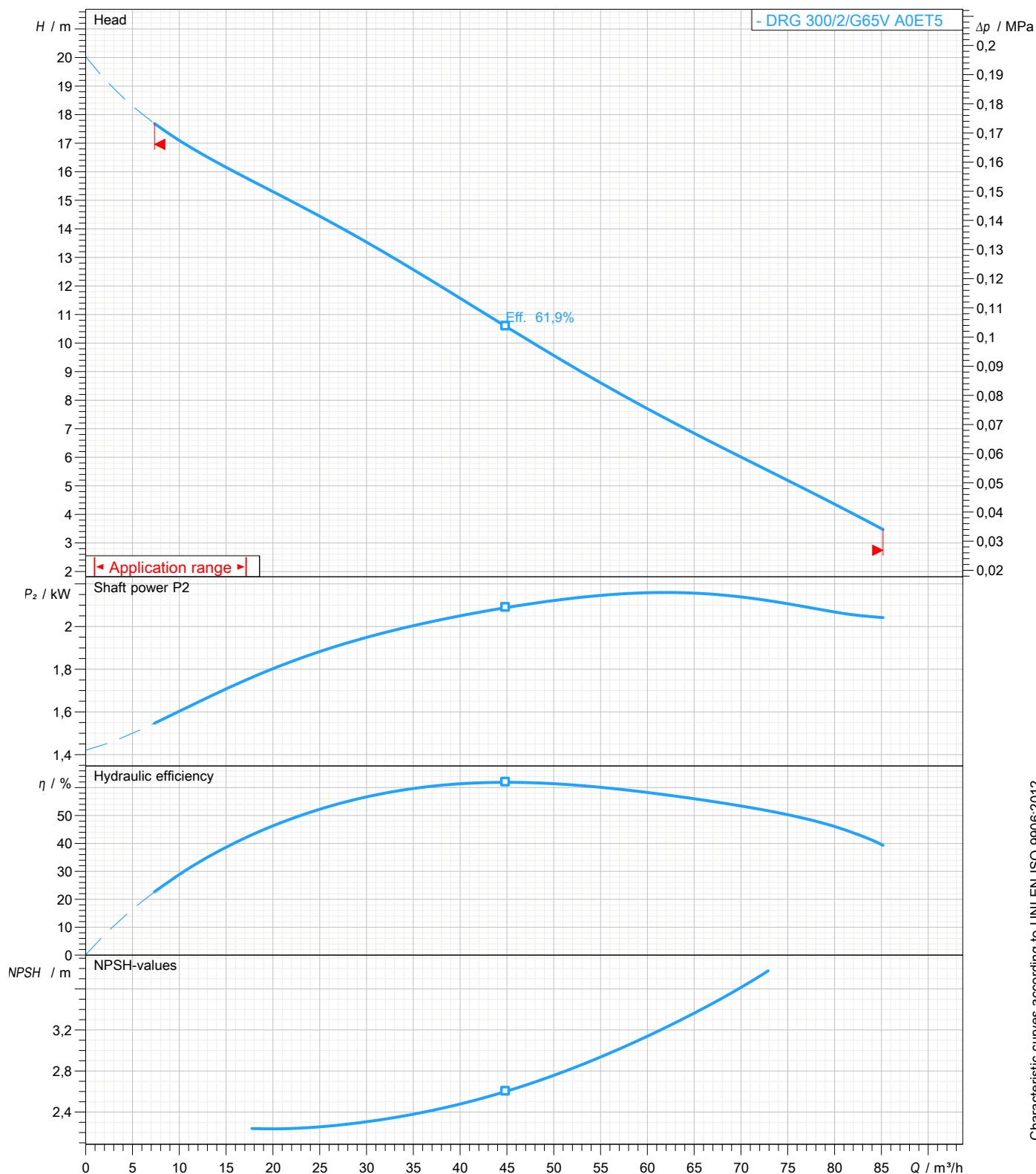
Data sheet

DRG 300/2/G65V A0ET5**GREY**

series

Pump performance curves**3~ 50 Hz**

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller		Free passage 40 x 35 mm	Discharge G 2" 1/2	Suction DN 65
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

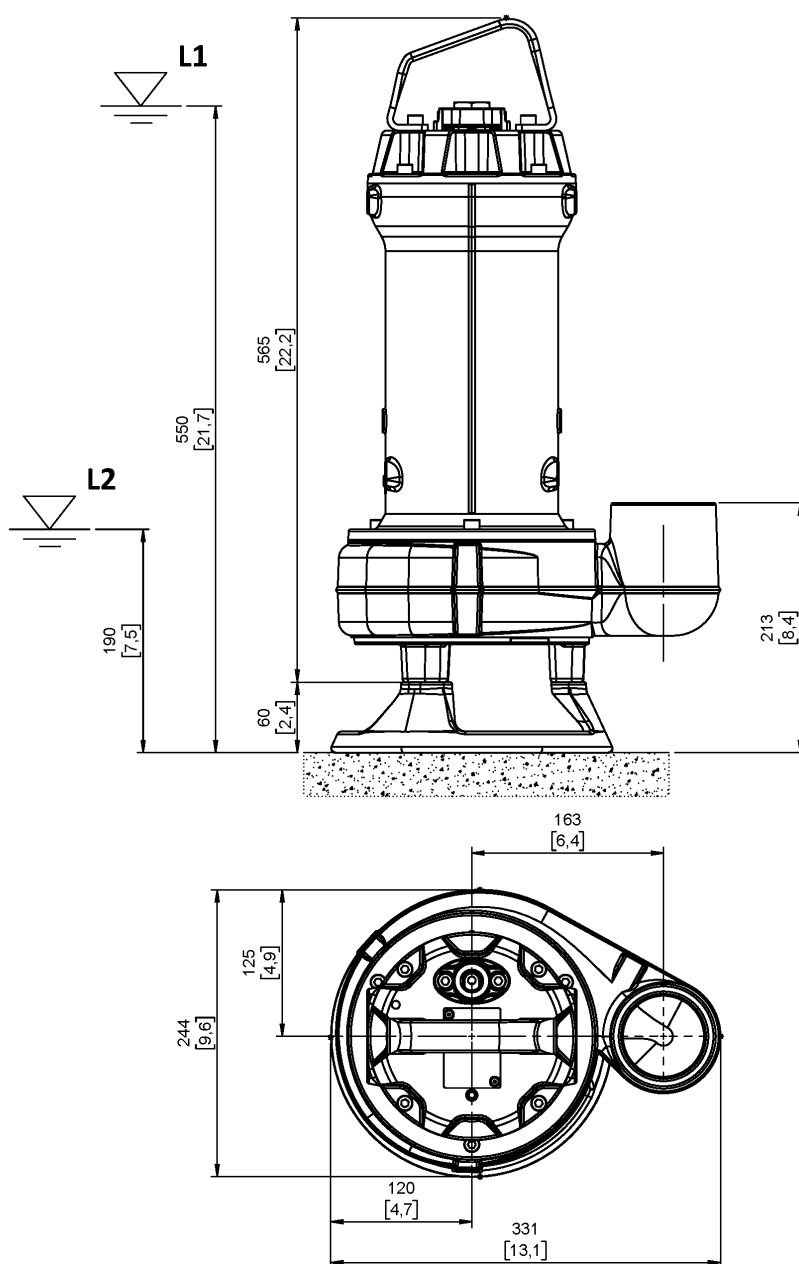
Data sheet

DRG 300/2/G65V A0ET5**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 I160 (S)		Accessory code 9024.010
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)



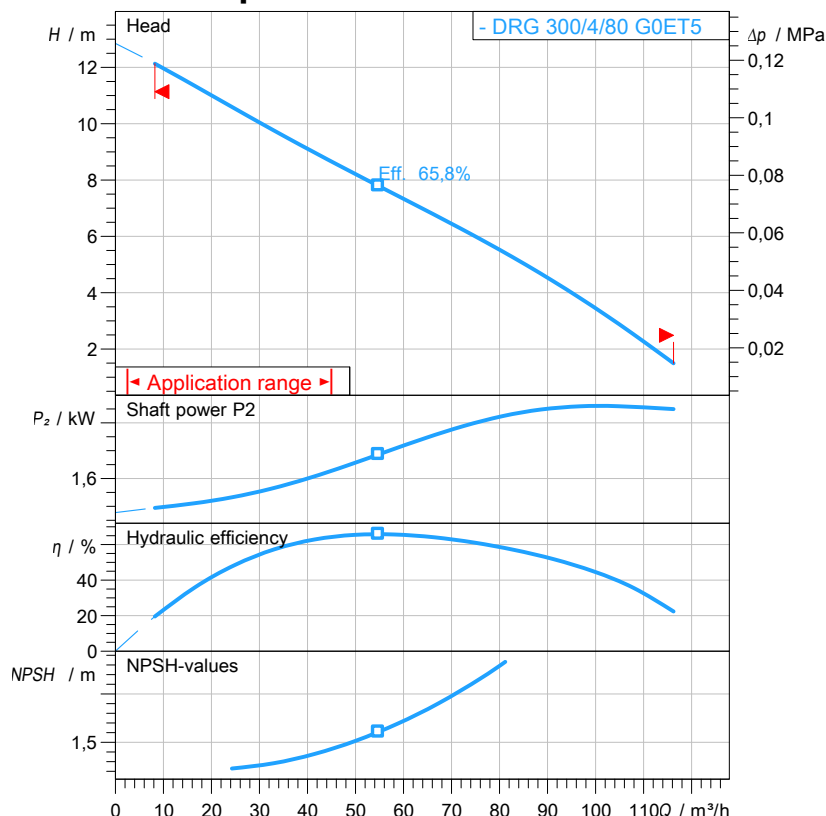
water solutions

Data sheet

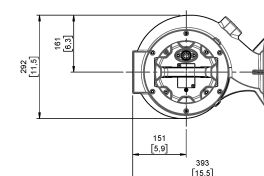
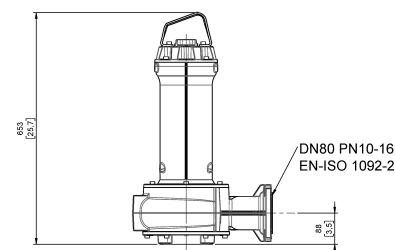
DRG 300/4/80 G0ET5

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	DRG 300/4/80 G0ET5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	2,2 kW
Incoming power P1	2,7 kW
Rated current	5,15 A
rpm	1410 1/min
Efficiency	81,5 %
cos φ	0,77
Rated torque	14,9 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DR (Multi-channel open)
Free passage	75 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	65,8 %
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*	60,2 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

Data sheet

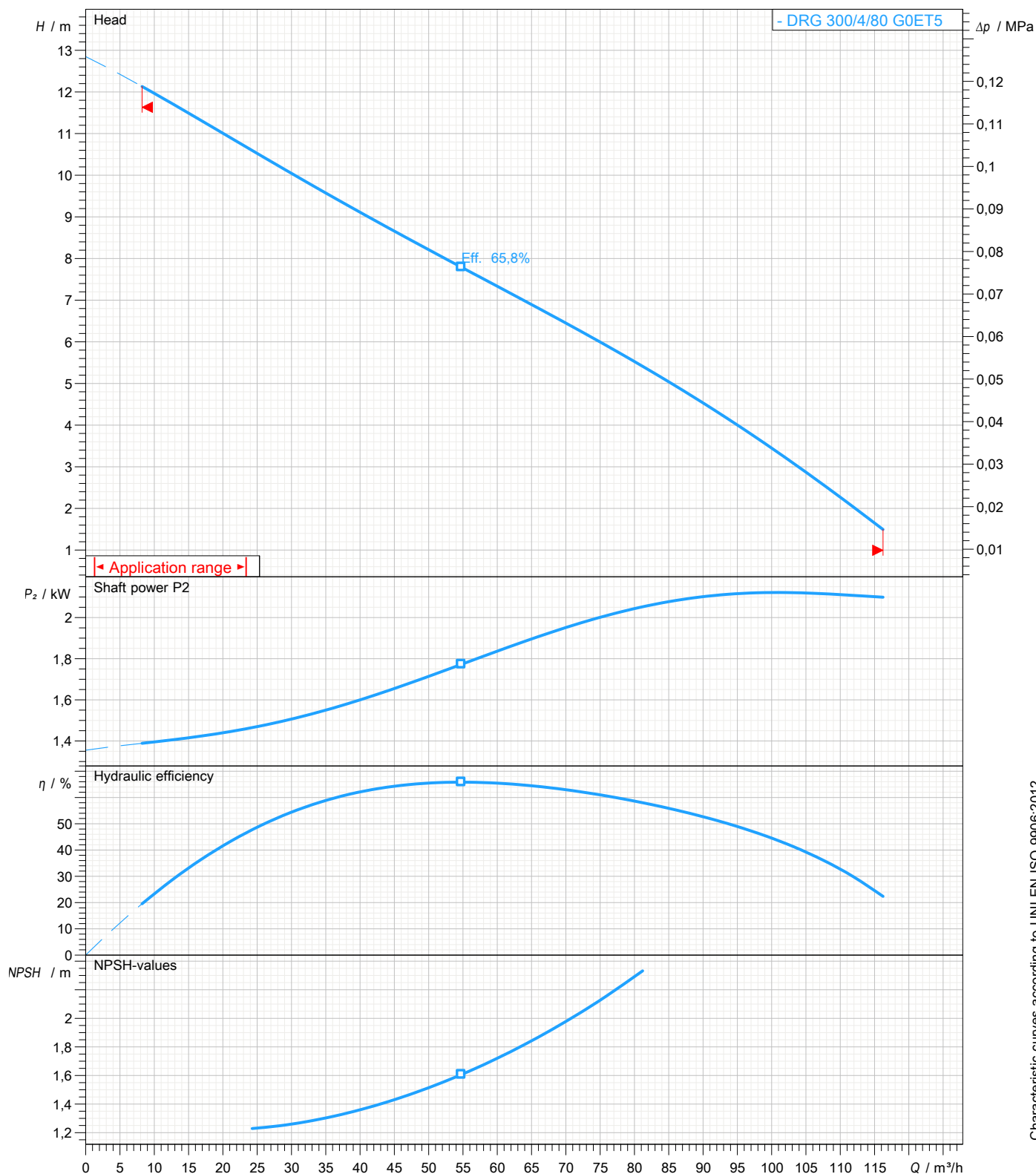
DRG 300/4/80 G0ET5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller	Free passage 75 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

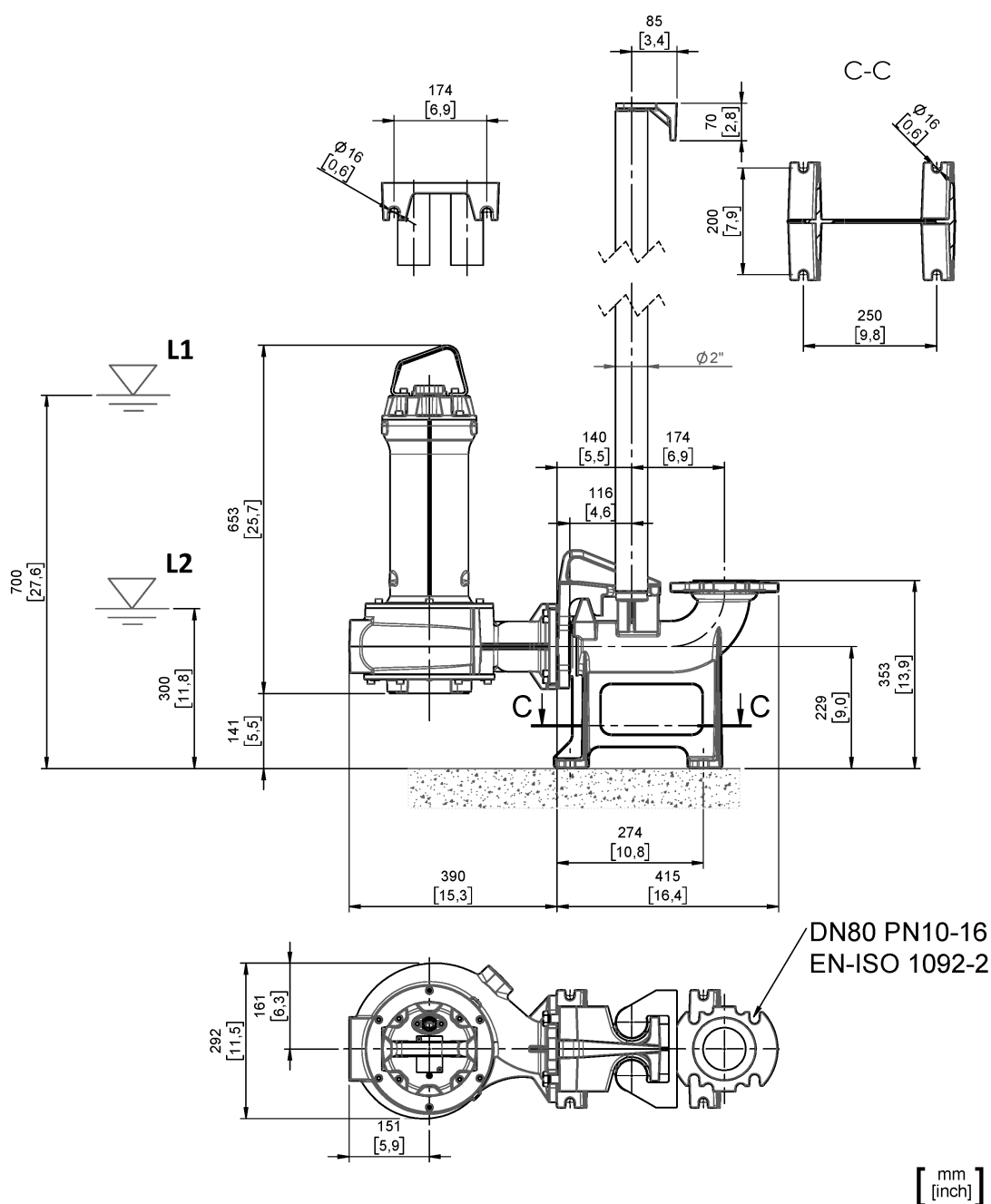
DRG 300/4/80 G0ET5

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)



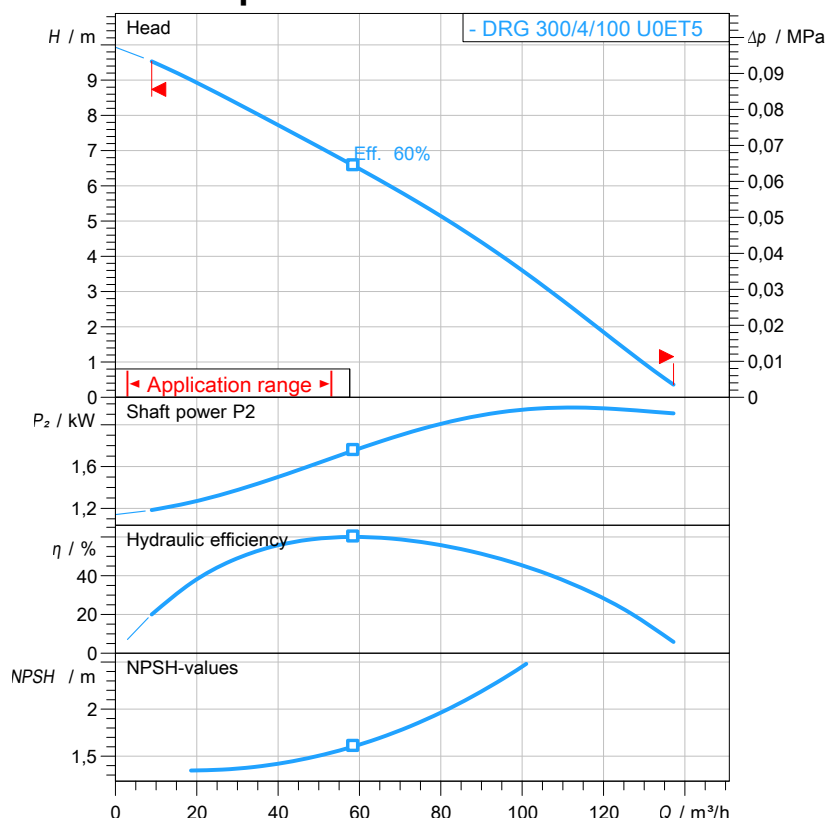
water solutions

Data sheet

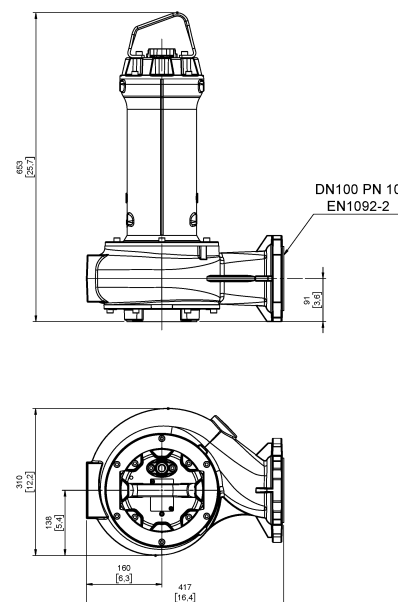
DRG 300/4/100 U0ET5

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	DRG 300/4/100 U0ET5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	2,2 kW
Incoming power P1	2,7 kW
Rated current	5,15 A
rpm	1410 1/min
Efficiency	81,5 %
cos φ	0,77
Rated torque	14,9 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DR (Multi-channel open)
Free passage	60 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	60,0 %
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*	63,2 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded

Rev. 0 - 16-12-2014

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

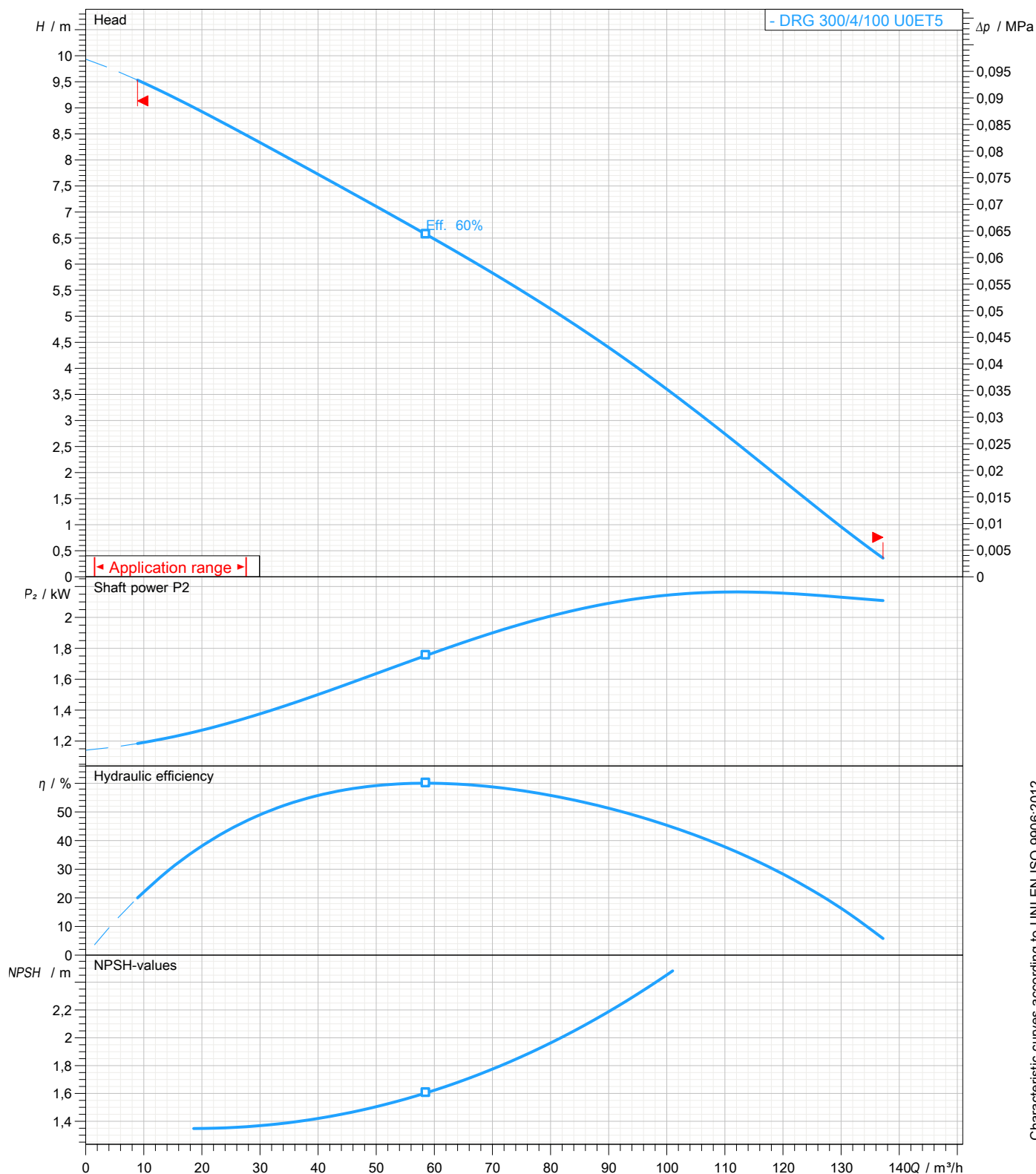
DRG 300/4/100 U0ET5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller	Free passage 60 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

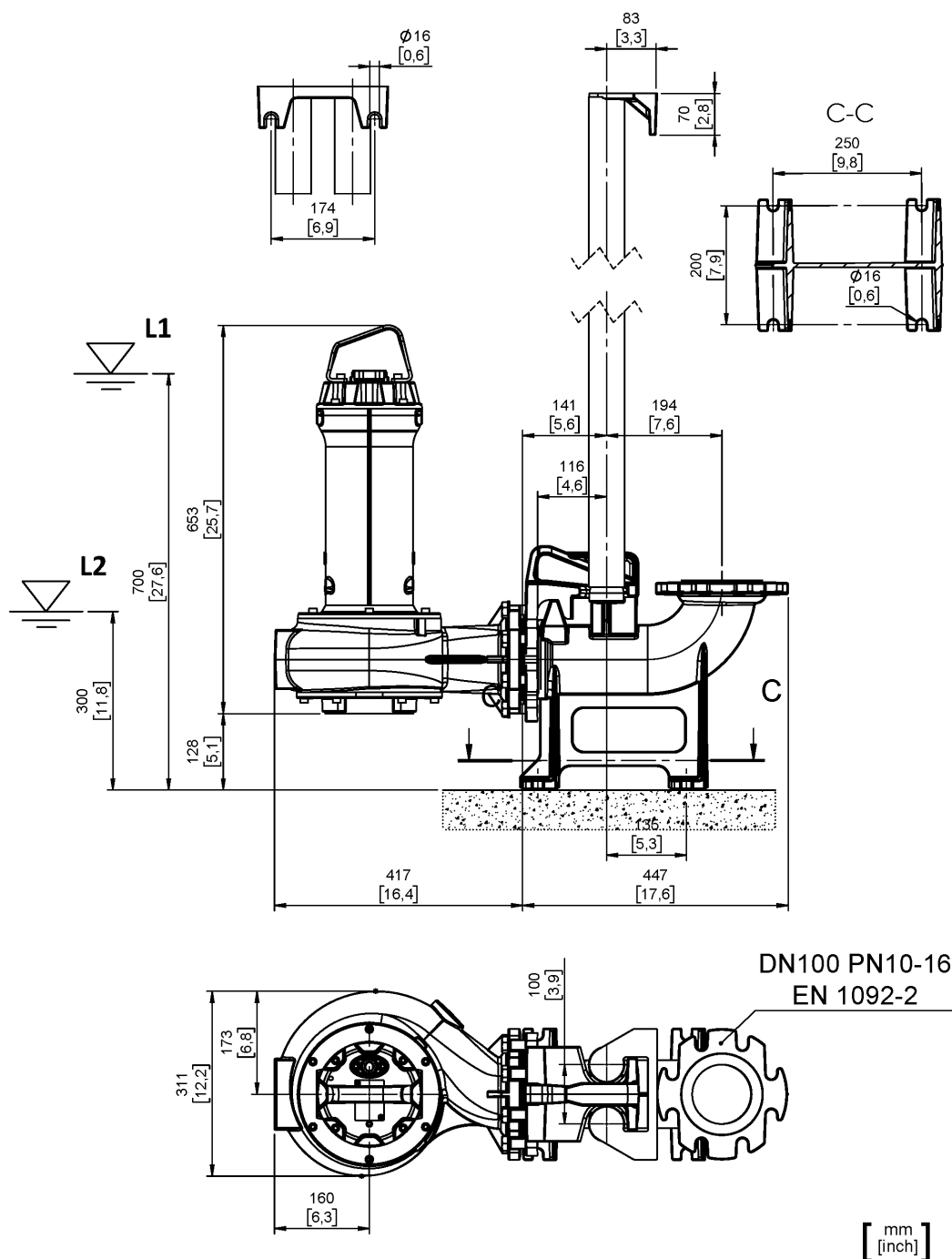


Characteristic curves according to UNI EN ISO 9906:2012
P2<10kW: paragraph 4.4.2
10kW<P2<100kW: Grade 3B
P2>100kW: Grade 2B

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)



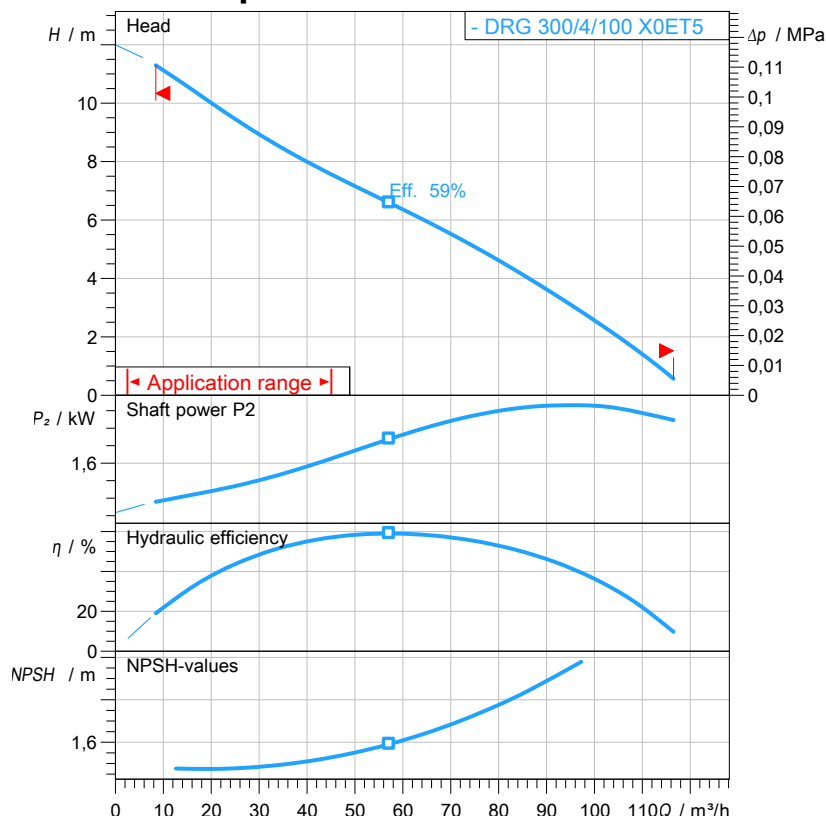
water solutions

Data sheet

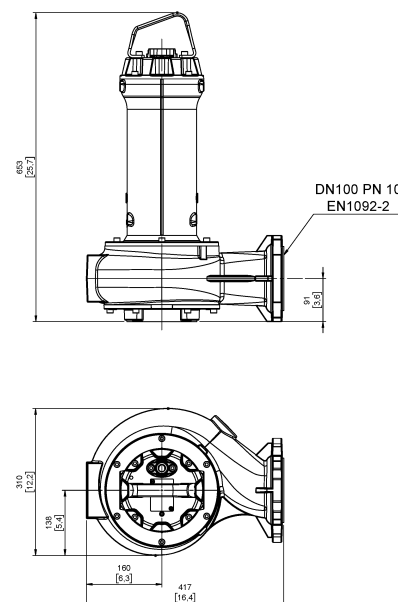
DRG 300/4/100 X0ET5

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	DRG 300/4/100 X0ET5
Configuration	NGTSB51040N00NN
Standard	CE

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	2,2 kW
Incoming power P1	2,7 kW
Rated current	5,15 A
rpm	1410 1/min
Efficiency	81,5 %
cos φ	0,77
Rated torque	14,9 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	H

Hydraulic

Type	DR (Multi-channel open)
Free passage	75 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	59,0 %
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*	63,2 kg
Electrical variant	Thermal protection and leakage sensor

* cable, stand and guiding system excluded



water solutions

Data sheet

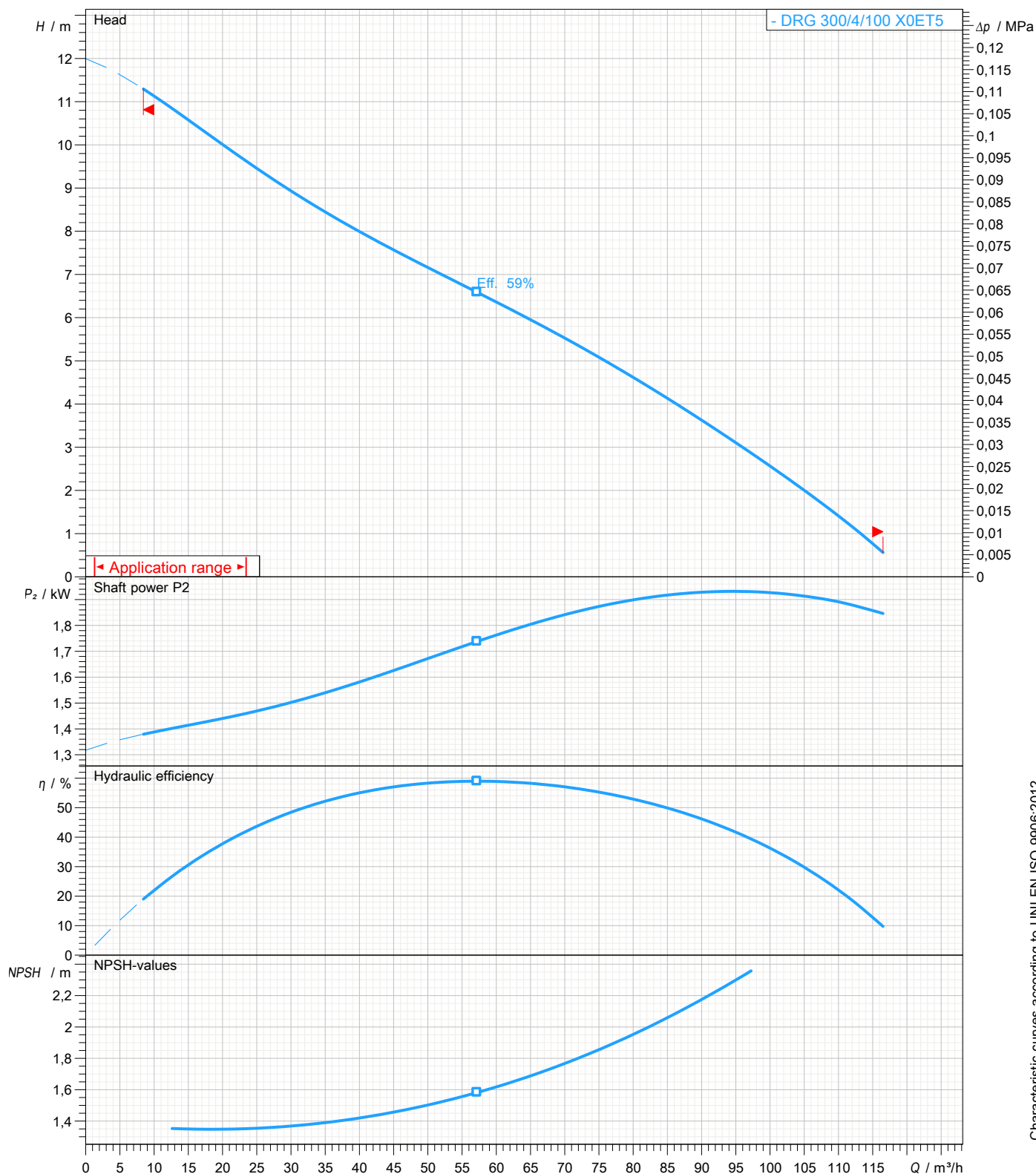
DRG 300/4/100 X0ET5

GREY
series

Pump performance curves

3~ 50 Hz

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller		Free passage 75 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

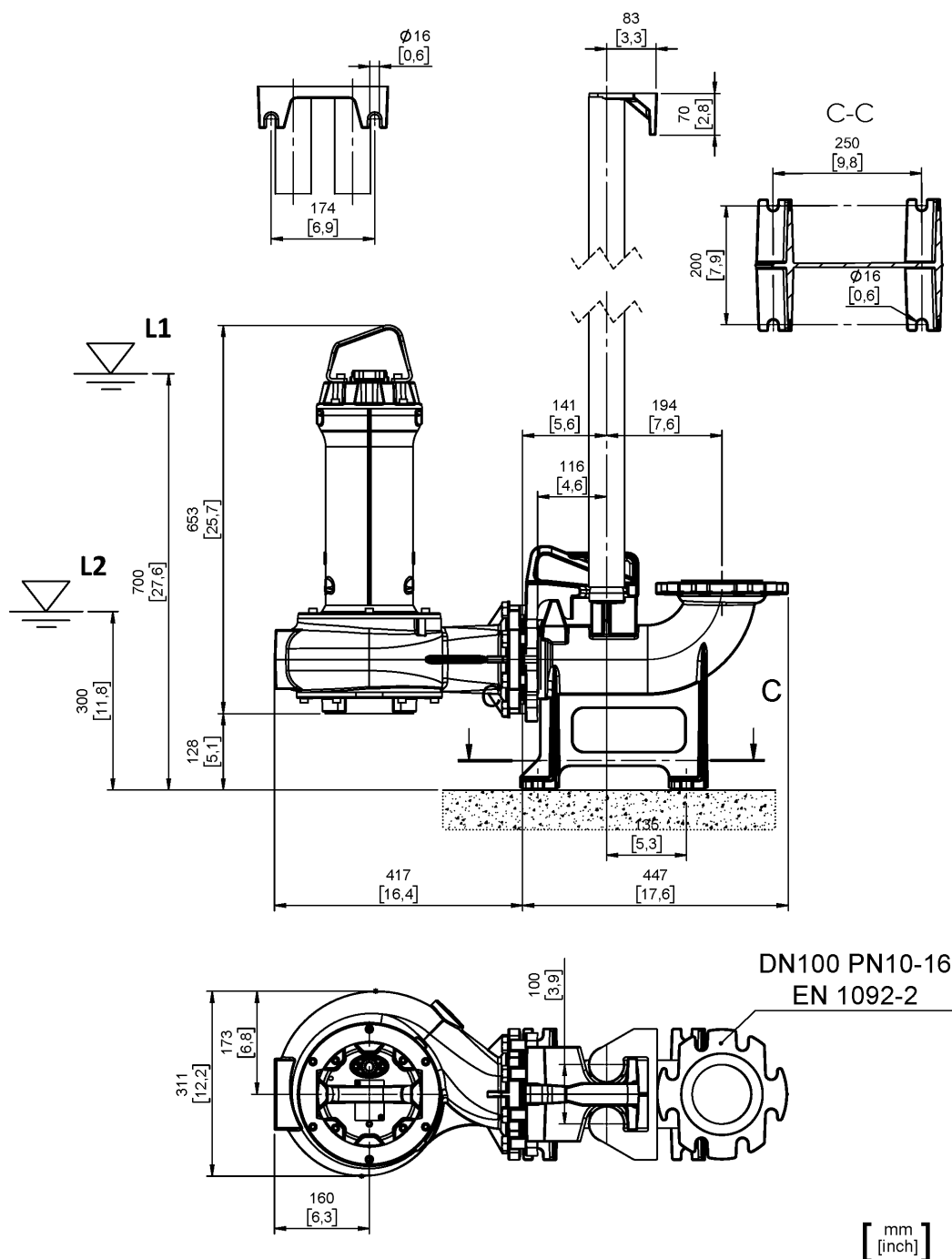
DRG 300/4/100 X0ET5

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 -
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