

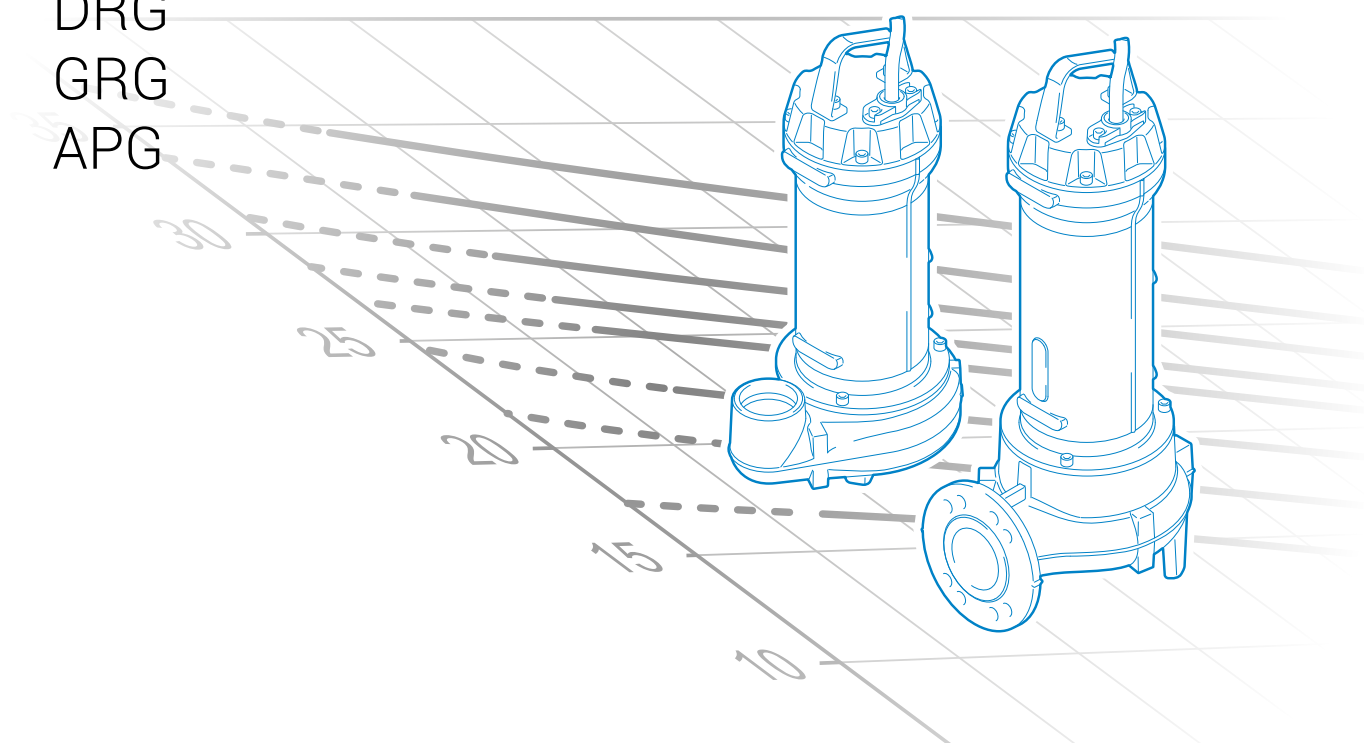


better together

60Hz

Grey series

DGG
DRG
GRG
APG



D A T A B O O K L E T

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EN



better together

Grey series

DGG

DRG

GRG

APG



D A T A B O O K L E T

Grey Series

General characteristics

Motor

- Electrical submersible pumps in GJL-250 cast iron;
- Two silicon carbide (2SiC) mechanical seals in oil sump;
- Ecological dry motor with thermal protection;
- Sensor for detecting water in the mechanical seal oil sump;
- Self lubricated ball bearings



Hydraulic families



DG (Draga)

p. 9

- Set-back vortex impeller.
- Used with unstrained soiled biological wastewaters and sewage and for civil lifting applications. It is thus ideal for wastewater treatment plants, sewer systems, livestock farms, industry and agriculture.



DR (Dreno)

p. 17

- Multi-channel open impeller.
- Designed for mainly professional and industrial use such as wastewater treatment plants, sewage systems and livestock farms, it is particularly suitable for the treatment of liquids containing suspended solids or filaments, and low or medium density activated sludges.



GR (Grinder)

p. 35

- Impeller with grinder system.
- Designed for professional and industrial use, it is suitable for the treatment of liquids containing suspended solids or fibres, and low or medium density activated sludges.



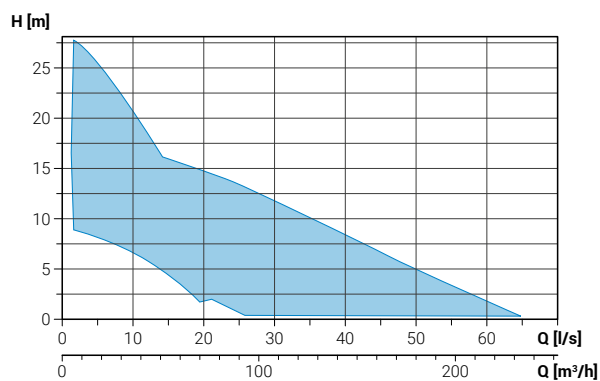
AP (Alta Prevalenza)

p. 39

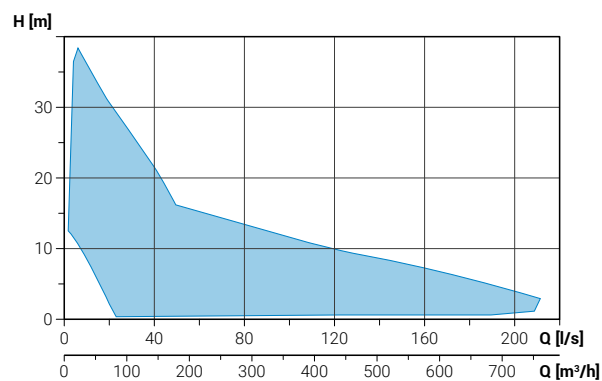
- High head impeller.
- Suitable for clear wastewater, rainwater and seepage. The considerable manometric head guarantees excellent results for the creation of water features and decorative fountains; suitable for use in agriculture, irrigation and the fish processing sector.

Operating ranges

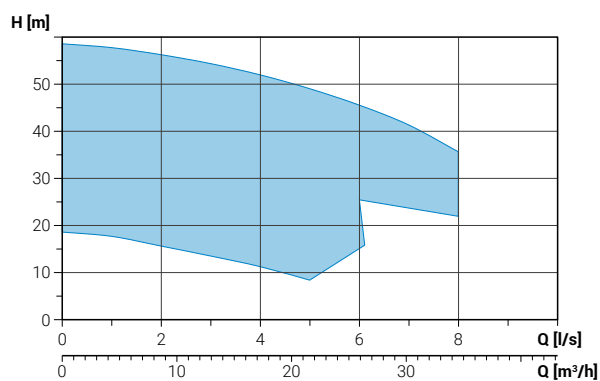
DGG



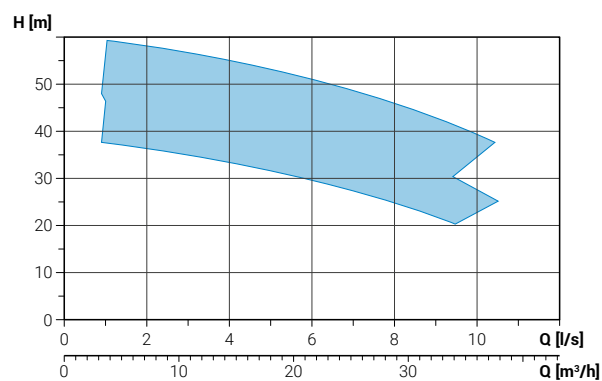
DRG



GRG



APG



Versions available

Electrical variants

- NAE** No electric accessories
- TS** Thermal protection, sensor for detecting water in the mechanical seal oil sump

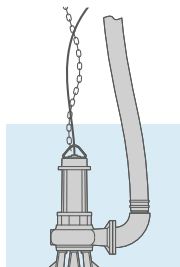
Cooling system

- N** No cooling and/or seal flushing system

Set of mechanical seals

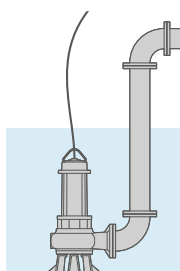
- 2SiC** 2 mechanical seals in silicon carbide

Installations



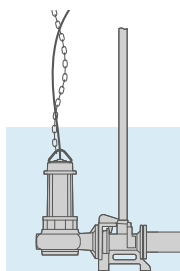
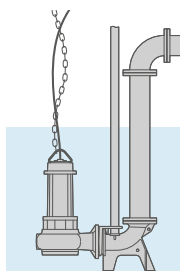
FREE installation

The electric pump, standing on its feet or base, is connected to the delivery flexible pipe using a joint fixed to the discharge. This installation allows to move easily the electrical pump.



FIXED installation

The electric pump, standing on its feet or base, is connected to the delivery pipe, which is screwed to the discharge if threaded, or fixed to a bend if the port is flanged. The pump-hose connection may be threaded or flanged, depending on the pump fitting.



Installation with BASE COUPLING FOOT

Available for electric pumps with threaded discharge.

The pump unit is supported by a special device fitted to the delivery pipe.

This device can be installed at any time without having to empty the tank. It simplifies any maintenance work on the pump, which can be lifted out and resubmerged with great ease.

It is recommended in particular for installations of small size, and does not require the pump to be resting on the bottom of the tank.

Key to product code

D G G 3 0 0 / 2 / G 6 5 V C 0 E T 6

1 2 3 4 5 6 7 8 9

- 1 Family
- 2 Series
- 3 Power (HPx100)/motor poles
- 4 Delivery rate
 - A Type (GAS thread/Flanged)
 - B Diameter (mm)
 - C Position
 - V = vertical
 - H = horizontal
- 5 Hydraulic model
- 6 Version number
- 7 Motor size
- 8 Motor phases
 - M = Single-phase
 - T = Three-phase
- 9 Power supply voltage frequency
 - 5 = 50Hz
 - 6 = 60Hz

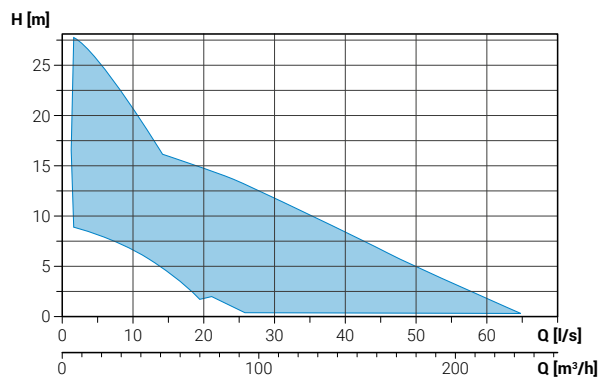
Technical data key

	①	②	③		④	⑤	⑥	⑦	⑧	⑨
	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DGG 750/2/65 D0FT6	400/460	3~	6.2	5.5	10.6/9.3	2900	DOL	4G1.5+3x1	DN65	50 mm
② DGG 1000/2/65 A0FT6	400/460	3~	7.5	8.4	13.7/11.9	2900	DOL	4G1.5+3x1	DN65	65 mm

- 1 Voltage
- 2 Motor phases
 - 1~ = Single-phase
 - 3~ = Three-phase
- 3 Power
- 4 Current
- 5 Revolutions per minute
- 6 Start
 - DOL = Direct on line
 - Y/Δ = Star/Delta
- 7 Cable
- 8 Discharge
- 9 Free passage

Pumps with vortex impeller

Operating ranges



Range characteristics

Motor power	3.0 ÷ 11.0 kW
Poles	2 / 4
Insulation class	H
Degree of protection	IP68
Discharge vertical	-
Discharge horizontal	DN65 ÷ DN100
Free passage	max 100 mm
Max flow rate	70.0 l/s
Max head	30.2 m

Motor

Ecological dry motor with thermal protections.

Cable

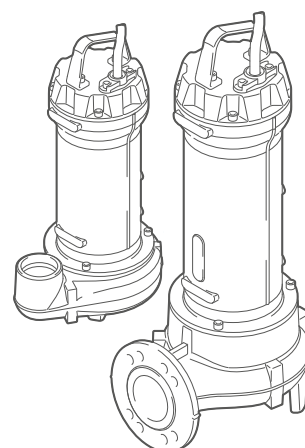
S1RN8-F electric cable. Standard version 10 m cable length.

Mechanical seals

Two silicon carbide (SiC) mechanical seals in oil sump.

Applications

Used with unstrained soiled biological wastewaters and sewage and for civil lifting applications. It is thus ideal for wastewater treatment plants, sewer systems, livestock farms, industry and agriculture.



Versions

Electrical variants	NAE, TS
Cooling system	N
Mechanical seals	2SIC

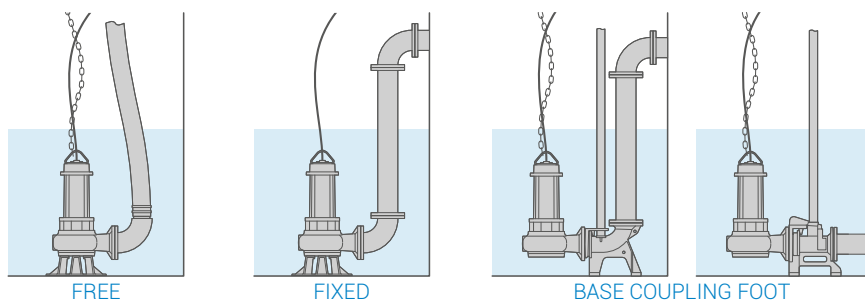
Operating specifications

Max operating temperature	40 °C
PH of treated fluid	6 ÷ 14
Viscosity of treated fluid	1 mm²/s
Maximum immersion depth	20 m
Density of treated fluid	1 Kg/dm³
Acoustic pressure max	<70dB
Max starts per hour	30

Construction materials

Case	Cast iron EN-GJL 250
Hydraulic parts	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Nuts and bolts	Stainless steel - Class A2-70
Standard gasket	Rubber - NBR
Shaft	Stainless steel - AISI 431
Paint type	Ecological bicomponent epoxy (~200 µm)
Cutter	-
Strainer	-

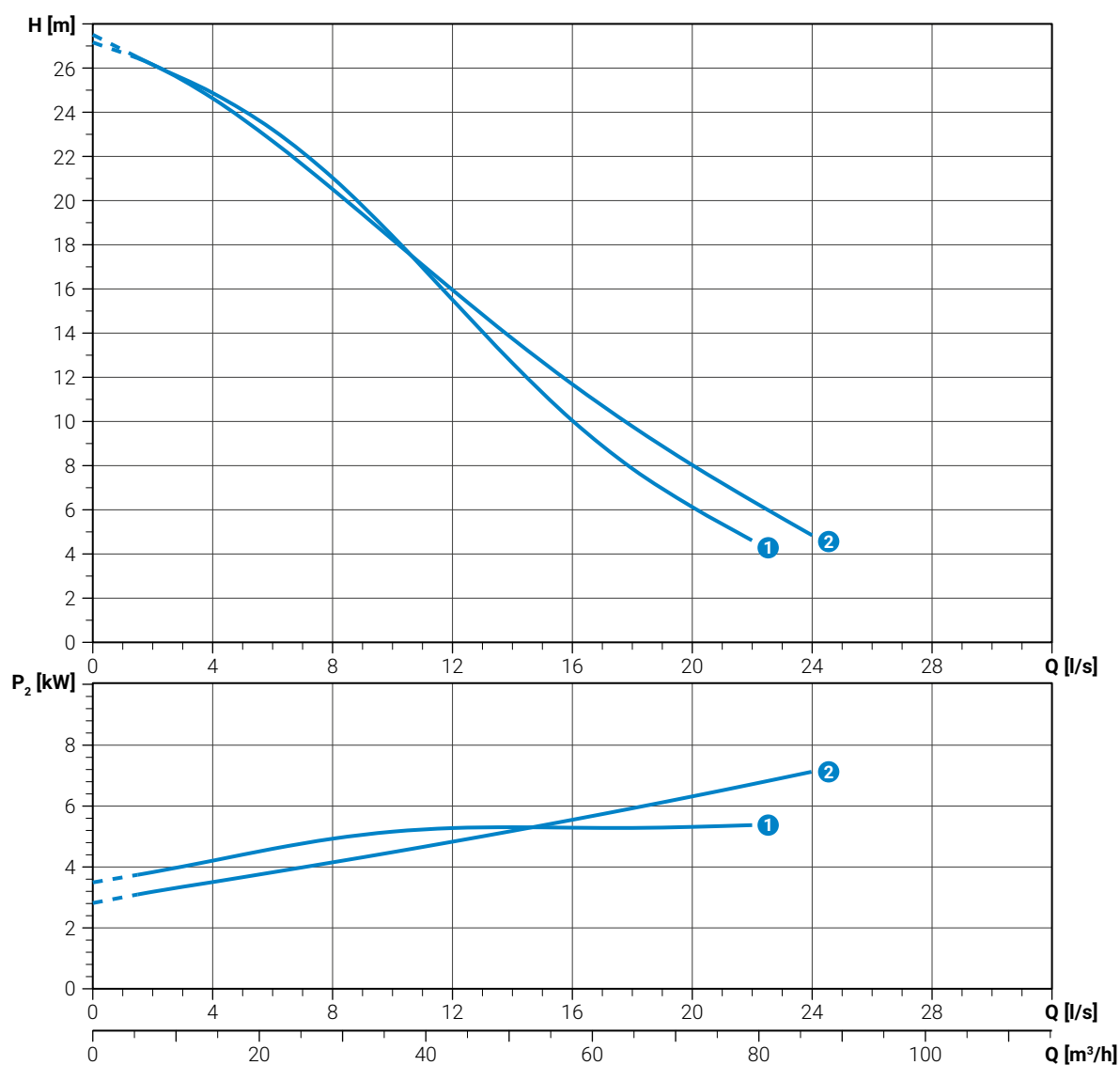
Installations



DGG 750÷1000/2/65

Performances

	l/s	0	2	4	6	8	10	12	14	16	18	20	22	24
	l/min	0	120	240	360	480	600	720	840	960	1080	1200	1320	1440
	m³/h	0	7.2	14.4	21.6	28.8	36.0	43.2	50.4	57.6	64.8	72.0	79.2	86.4
① DGG 750/2/65 D0FT6		27.5	26.1	24.9	23.2	21.0	18.4	15.5	12.6	10.0	7.8	6.1	4.6	
② DGG 1000/2/65 A0FT6		27.2	26.2	24.7	22.7	20.5	18.3	16.0	13.8	11.7	9.8	8.0	6.4	4.8



Characteristic curves according to UNI EN ISO 9906

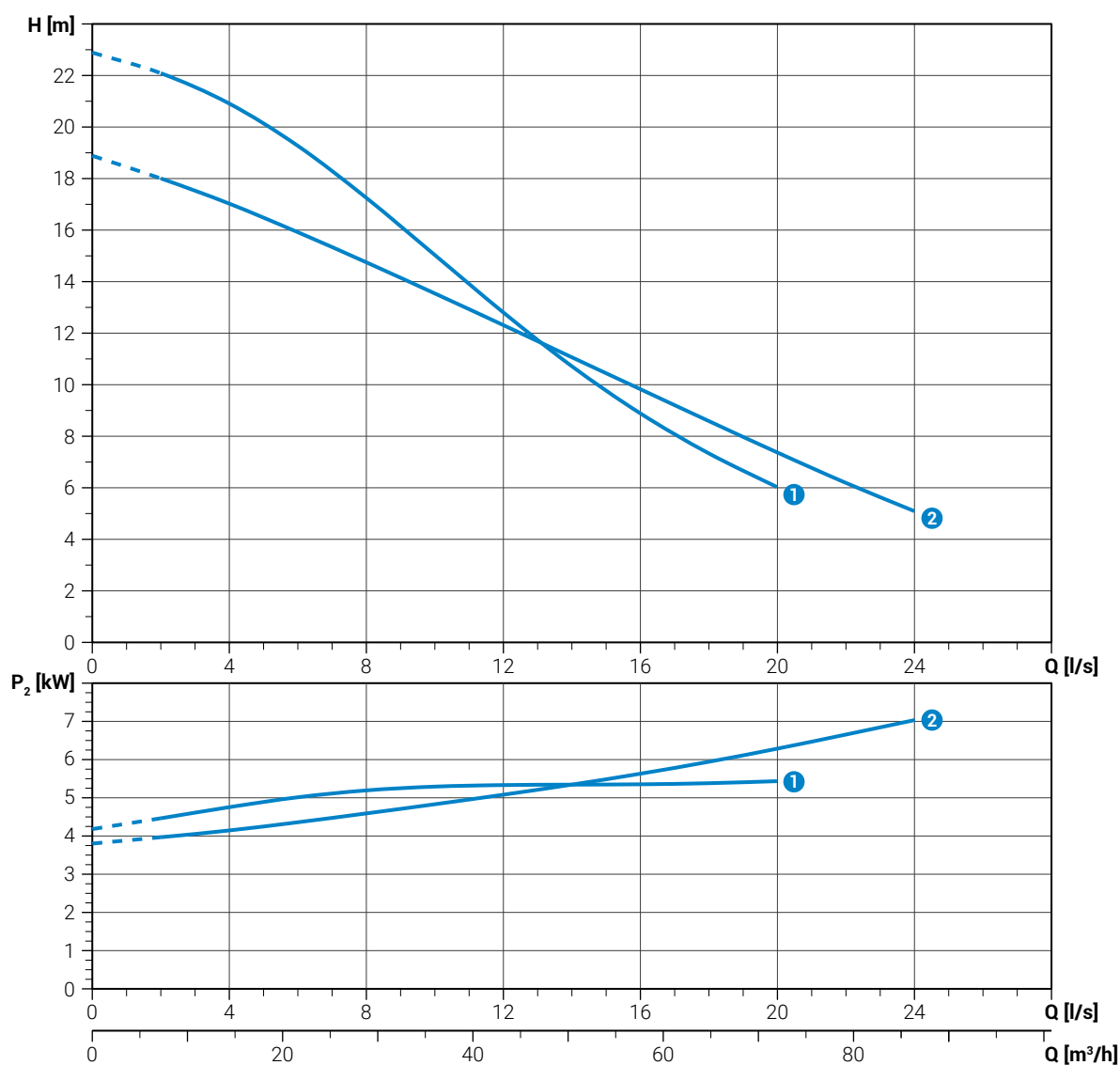
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DGG 750/2/65 D0FT6	400/460	3~	6.2	5.5	10.6/9.3	2900	DOL	4G1.5+3x1	DN65	50 mm
② DGG 1000/2/65 A0FT6	400/460	3~	7.5	8.4	13.7/11.9	2900	DOL	4G1.5+3x1	DN65	65 mm

DGG 750÷1000/2/80

Performances

	l/s	0	2	4	6	8	10	12	14	16	18	20	22	24	26
	l/min	0	120	240	360	480	600	720	840	960	1080	1200	1320	1440	1560
	m³/h	0	7.2	14.4	21.6	28.8	36.0	43.2	50.4	57.6	64.8	72.0	79.2	86.4	93.6
① DGG 750/2/80 H0FT6		22.9	22.1	20.9	19.3	17.3	15.0	12.8	10.7	8.9	7.3	6.0			
② DGG 1000/2/80 A0FT6		18.9	18.0	17.0	15.9	14.8	13.6	12.3	11.1	9.8	8.6	7.4	6.2	5.1	4.1



Characteristic curves according to UNI EN ISO 9906

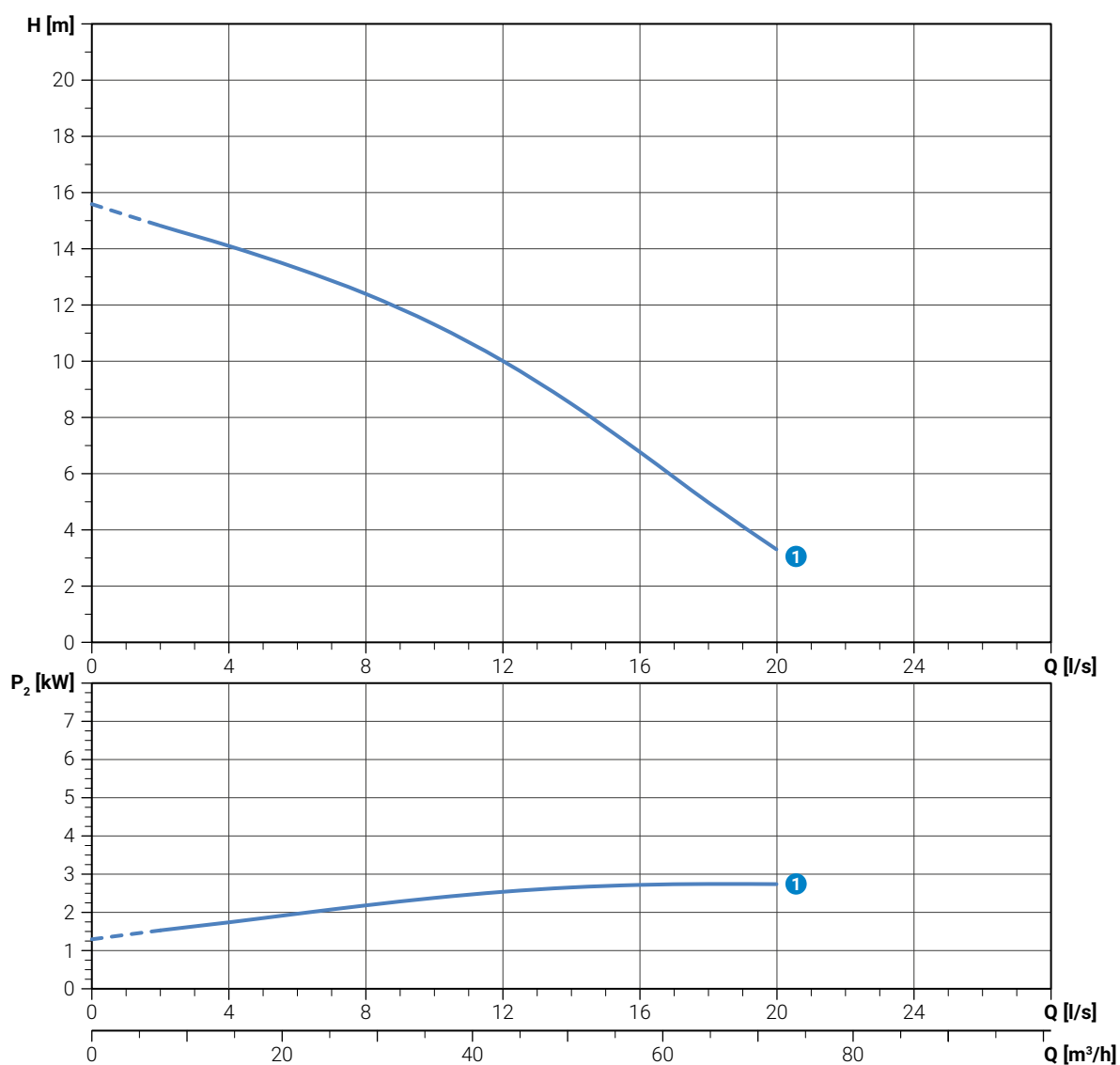
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DGG 750/2/80 H0FT6	400/460	3~	6.2	5.5	10.6/9.3	2900	DOL	4G1.5+3x1	DN80	68 mm
② DGG 1000/2/80 A0FT6	400/460	3~	8.4	7.5	13.7/11.9	2900	DOL	4G1.5+3x1	DN80	80 mm

DGG 400/4/65

Performances

	l/s	0	2	4	6	8	10	12	14	16	18	20
	l/min	0	120	240	360	480	600	720	840	960	1080	1200
	m³/h	0	7.2	14.4	21.6	28.8	36.0	43.2	50.4	57.6	64.8	72.0
① DGG 400/4/65 F0FT6		15.6	14.8	14.1	13.3	12.4	11.3	10.0	8.5	6.8	5.0	3.3



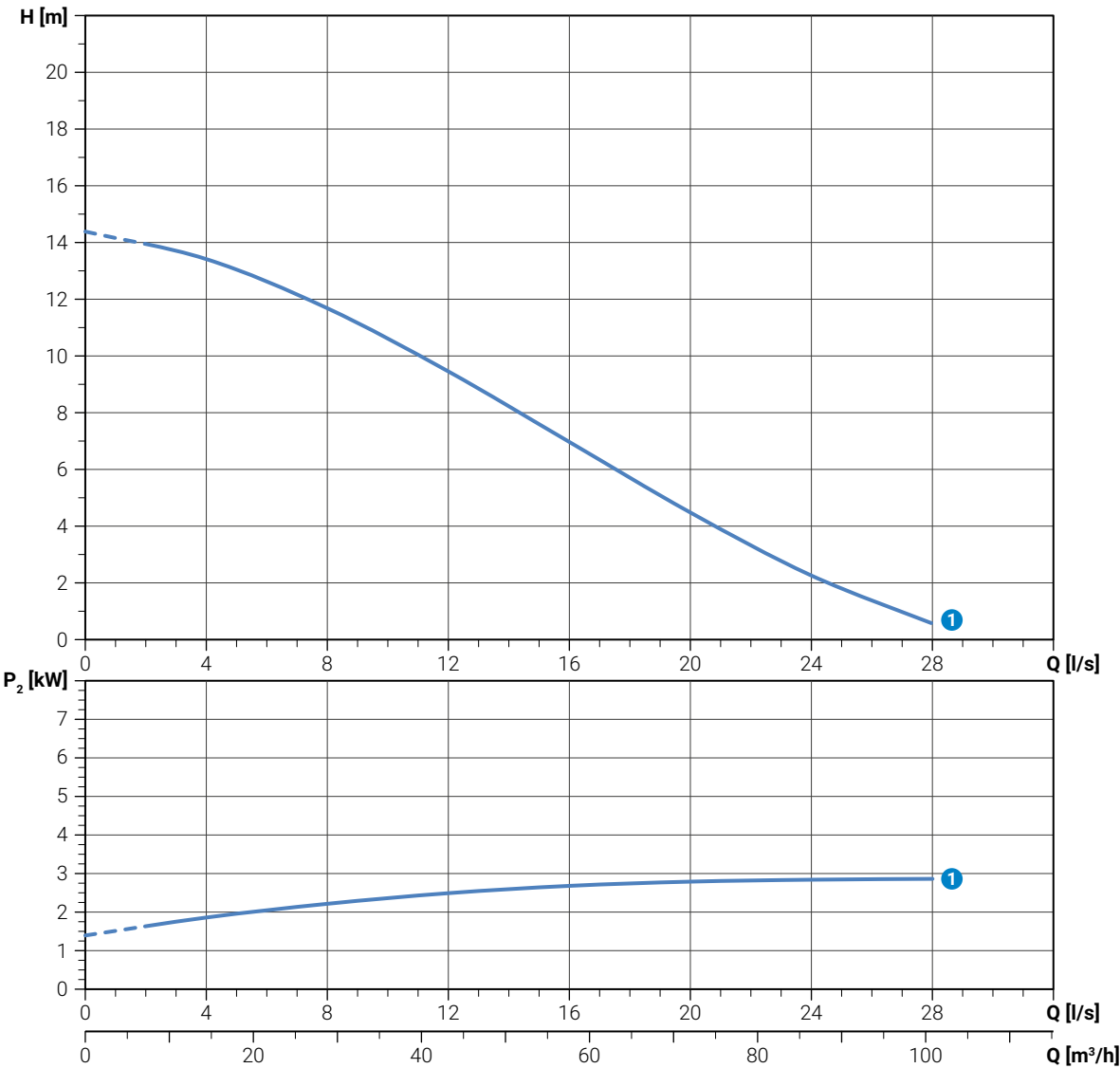
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DGG 400/4/65 F0FT6	400/460	3~	3.0	3.5	6.8/5.9	2900	DOL	4G1.5+3x1	DN65	65 mm

DGG 400/4/80

Performances

	l/s	0	4	8	12	16	20	24	28
	l/min	0	240	480	720	960	1200	1440	1680
	m³/h	0	14.4	28.8	43.2	57.6	72.0	86.4	100.8
1	DGG 400/4/80 E0ET6	14.4	13.4	11.7	9.5	7.0	4.5	2.3	0.6



Characteristic curves according to UNI EN ISO 9906

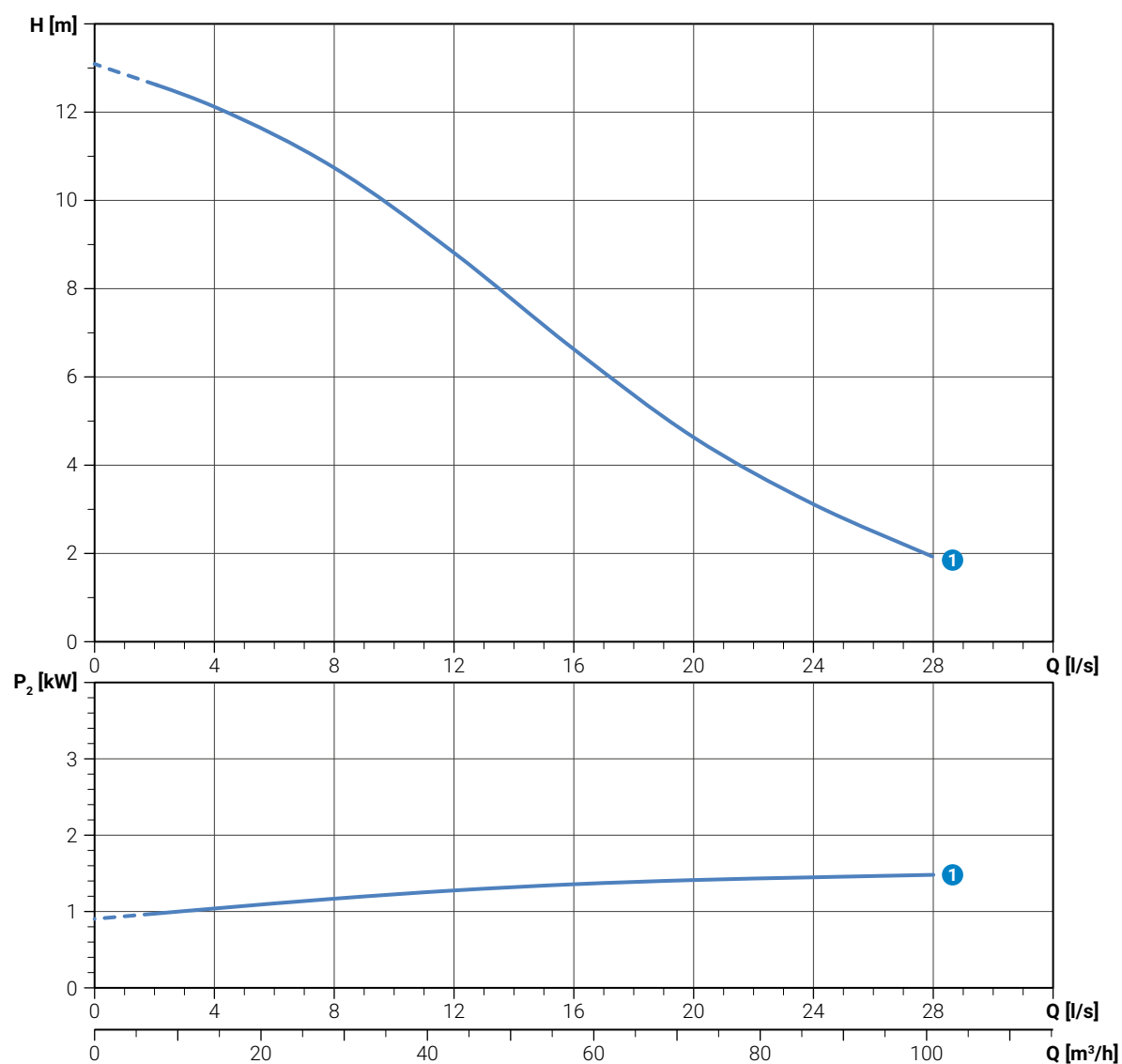
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
1 DGG 400/4/80 E0ET6	400/460	3~	3.0	3.5	6.8/5.9	1450	DOL	4G1.5+3x1	DN80	80 mm

DGG 400/4/100

Performances

	l/s	0	4	8	12	16	20	24	28
	l/min	0	240	480	720	960	1200	1440	1680
	m³/h	0	14.4	28.8	43.2	57.6	72.0	86.4	100.8
① DGG 400/4/100 E0ET6		13.1	12.1	10.8	8.8	6.6	4.6	3.1	1.9



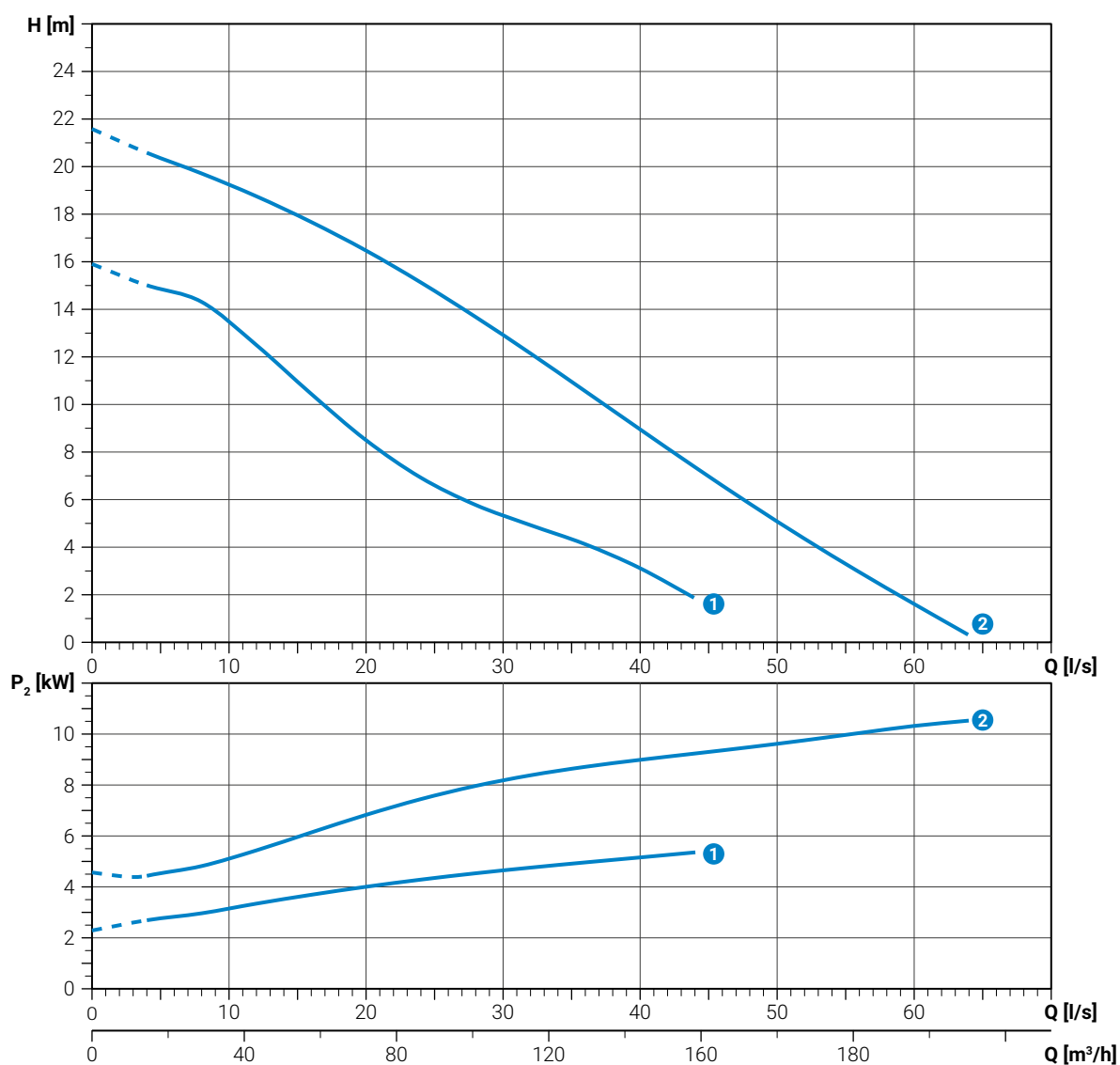
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DGG 400/4/100 E0ET6	400/460	3~	3.0	3.5	6.8/5.9	1450	DOL	4G1.5+3x1	DN100	100 mm

DGG 750÷1500/4/100

Performances

	l/s	0	8	16	24	32	40	48	56	64
	l/min	0	480	960	1440	1920	2400	2880	3360	3840
	m³/h	0	28.8	57.6	86.4	115.2	144.0	172.8	201.6	230.4
① DGG 750/4/100 D0FT6		15.9	14.3	10.5	6.9	4.9	3.1			
② DGG 1500/4/100 B0HT6		21.6	19.7	17.7	15.2	12.2	9.0	5.9	3.0	0.3



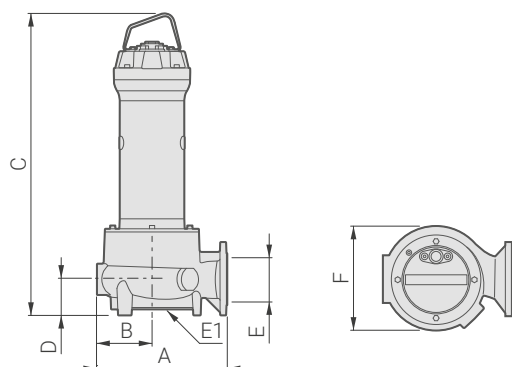
Characteristic curves according to UNI EN ISO 9906

Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DGG 750/4/100 D0FT6	400/460	3~	6.3	5.5	12.0/10.5	1450	DOL	4G1.5+3x1	DN100	80 mm
② DGG 1500/4/100 B0HT6	400/460	3~	11.0	12.4	20.5/17.8	1450	DOL	4G6, 4G1.5	DN100	100 mm

DGG

Overall dimensions and weights



	A	B	C	D	E	E1	F		
DGG 750/2/65 D0FT6	322	129	703	81	65	65	249	DN65 PN10-16	64.3
DGG 1000/2/65 A0FT6	301	119	808	90	65	65	222	DN65 PN10-16	81.8
DGG 750/2/80 H0FT6	318	127	709	80	80	80	246	DN80 PN10-16	61.3
DGG 1000/2/80 A0FT6	313	125	837	92	80	80	251	DN80 PN10-16	82.2
DGG 400/4/65 F0FT6	395	158	656	70	65	65	308	DN65 PN10-16	59.8
DGG 400/4/80 E0ET6	389	156	674	80	80	80	306	DN80 PN10-16	59.8
DGG 400/4/100 E0ET6	410	158	695	81	100	100	305	DN100 PN10-16	62.8
DGG 750/4/100 D0FT6	408	158	826	81	100	100	305	DN100 PN10-16	83.2
DGG 1500/4/100 B0HT6	301	119	808	110	100	100	373	DN100 PN10-16	177.2

Dimensions in mm

Packaging dimension

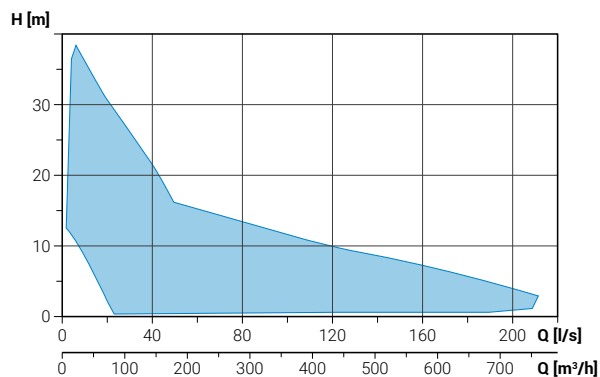


	X	Y	Z
DGG 750/2/65 D0FT6	915	535	560
DGG 1000/2/65 A0FT6	915	535	560
DGG 750/2/80 H0FT6	725	445	425
DGG 1000/2/80 A0FT6	915	535	560
DGG 400/4/65 F0FT6	725	445	425
DGG 400/4/80 E0ET6	725	445	425
DGG 400/4/100 E0ET6	725	445	425
DGG 750/4/100 D0FT6	915	535	560
DGG 1500/4/100 B0HT6	725	1270	675

Dimensions in mm

Multi-channel open impeller

Operating ranges



Range characteristics

Motor power	1.8 ÷ 15.0 kW
Poles	2 / 4 / 6
Insulation class	H
Degree of protection	IP68
Discharge vertical	GAS 2½"
Discharge horizontal	DN65 ÷ DN250
Free passage	max 100 x 70 mm
Max flow rate	205.0 l/s
Max head	38.0 m

Motor

Ecological dry motor with thermal protections.

Cable

S1RN8-F electric cable. Standard version 10 m cable length.

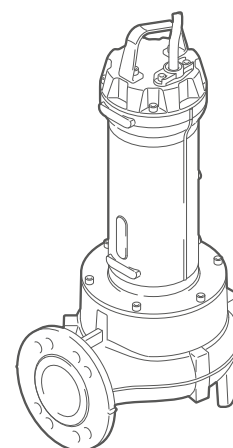
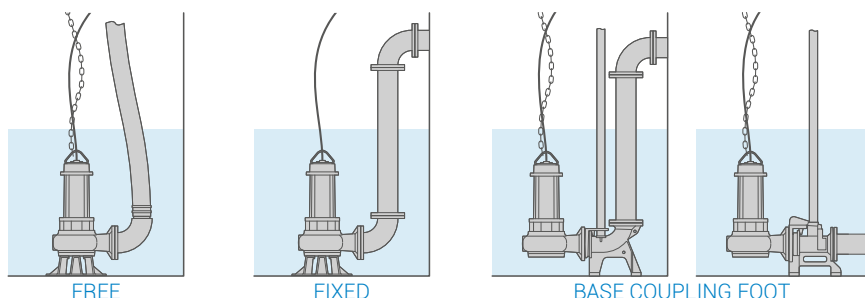
Mechanical seals

Two silicon carbide (SiC) mechanical seals in oil sump.

Applications

Applications
It is particularly suitable for the treatment of liquids containing suspended solids or filaments, and low or medium density activated sludges.

Installations



Versions

Electrical variants	NAE, TS
Cooling system	N
Mechanical seals	2SIC

Operating specifications

Max operating temperature	40 °C
PH of treated fluid	6 ÷ 14
Viscosity of treated fluid	1 mm²/s
Maximum immersion depth	20 m
Density of treated fluid	1 Kg/dm³
Acoustic pressure max	<70dB
Max starts per hour	30

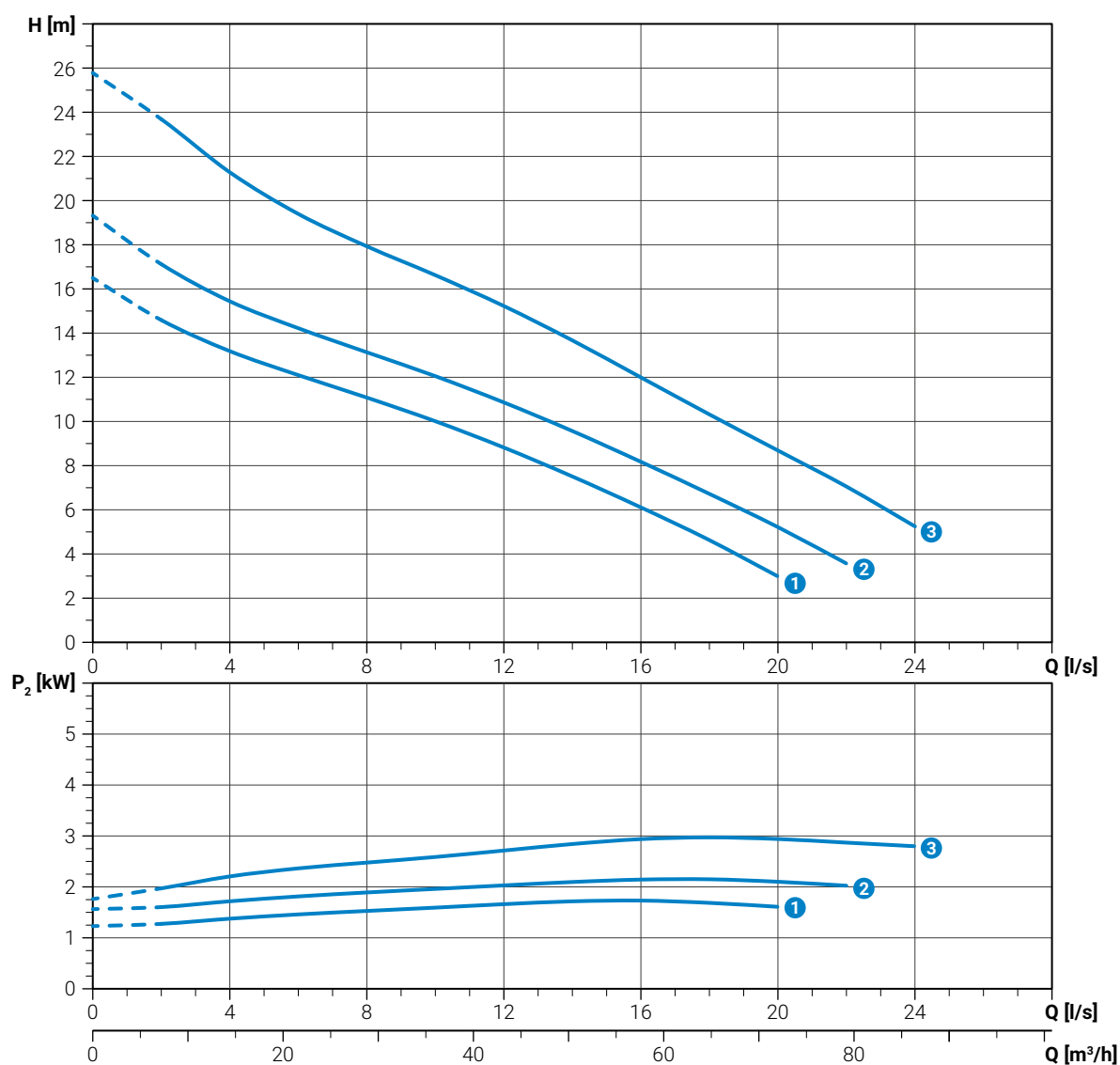
Construction materials

Case	Cast iron EN-GJL 250
Hydraulic parts	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Nuts and bolts	Stainless steel - Class A2-70
Standard gasket	Rubber - NBR
Shaft	Stainless steel - AISI 431
Paint type	Ecological bicomponent epoxy (~200 µm)
Cutter	-
Strainer	-

DRG 250÷400/2/G65V

Performances

	l/s	0	4	8	12	16	20	24
	l/min	0	240	480	720	960	1200	1440
	m³/h	0	14.4	28.8	43.2	57.6	72.0	86.4
①	DRG 250/2/G65V B0AT6	16.5	13.2	11.1	8.8	6.1	3.0	
②	DRG 300/2/G65V B0ET6	19.3	15.4	13.1	10.8	8.2	5.2	
③	DRG 400/2/G65V B0ET6	25.8	21.3	17.9	15.2	12.0	8.7	5.2



Characteristic curves according to UNI EN ISO 9906

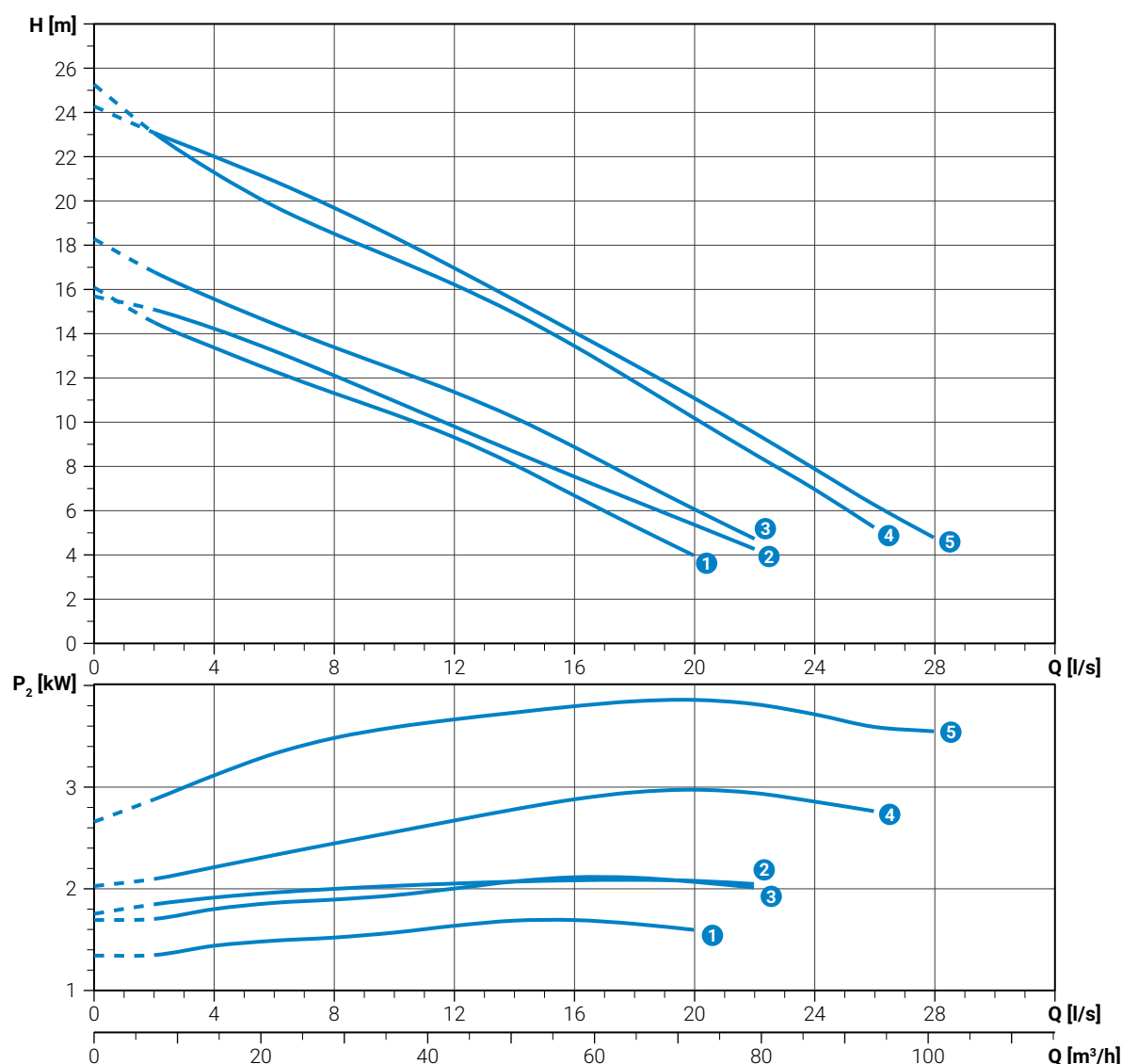
Technical data

		V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
①	DRG 250/2/G65V B0AT6	400/460	3~	2.1	1.8	3.7/3.2	2900	DOL	4G1	G 2½"	35 x 30 mm
②	DRG 300/2/G65V B0ET6	400/460	3~	2.2	2.7	4.7/4.0	2900	DOL	4G1.5+3x1	G 2½"	35 x 30 mm
③	DRG 400/2/G65V B0ET6	400/460	3~	3.6	3.0	6.4/5.6	2900	DOL	4G1.5+3x1	G 2½"	35 x 30 mm

DRG 250÷550/2/65

Performances

	l/s	0	4	8	12	16	20	24	28
	l/min	0	240	480	720	960	1200	1440	1680
	m³/h	0	14.4	28.8	43.2	57.6	72.0	86.4	100.8
① DRG 250/2/65 B0AT6		16.1	13.4	11.3	9.3	6.7	4.0		
② DRG 300/2/65 A0ET6		15.7	14.2	12.1	9.8	7.5	5.4		
③ DRG 300/2/65 B0ET6		18.3	15.6	13.4	11.4	8.9	6.0		
④ DRG 400/2/65 B0ET6		25.3	21.3	18.5	16.2	13.5	10.2	7.0	
⑤ DRG 550/2/65 A0FT6		24.3	22.0	19.7	17.0	14.1	11.1	7.9	4.8



Characteristic curves according to UNI EN ISO 9906

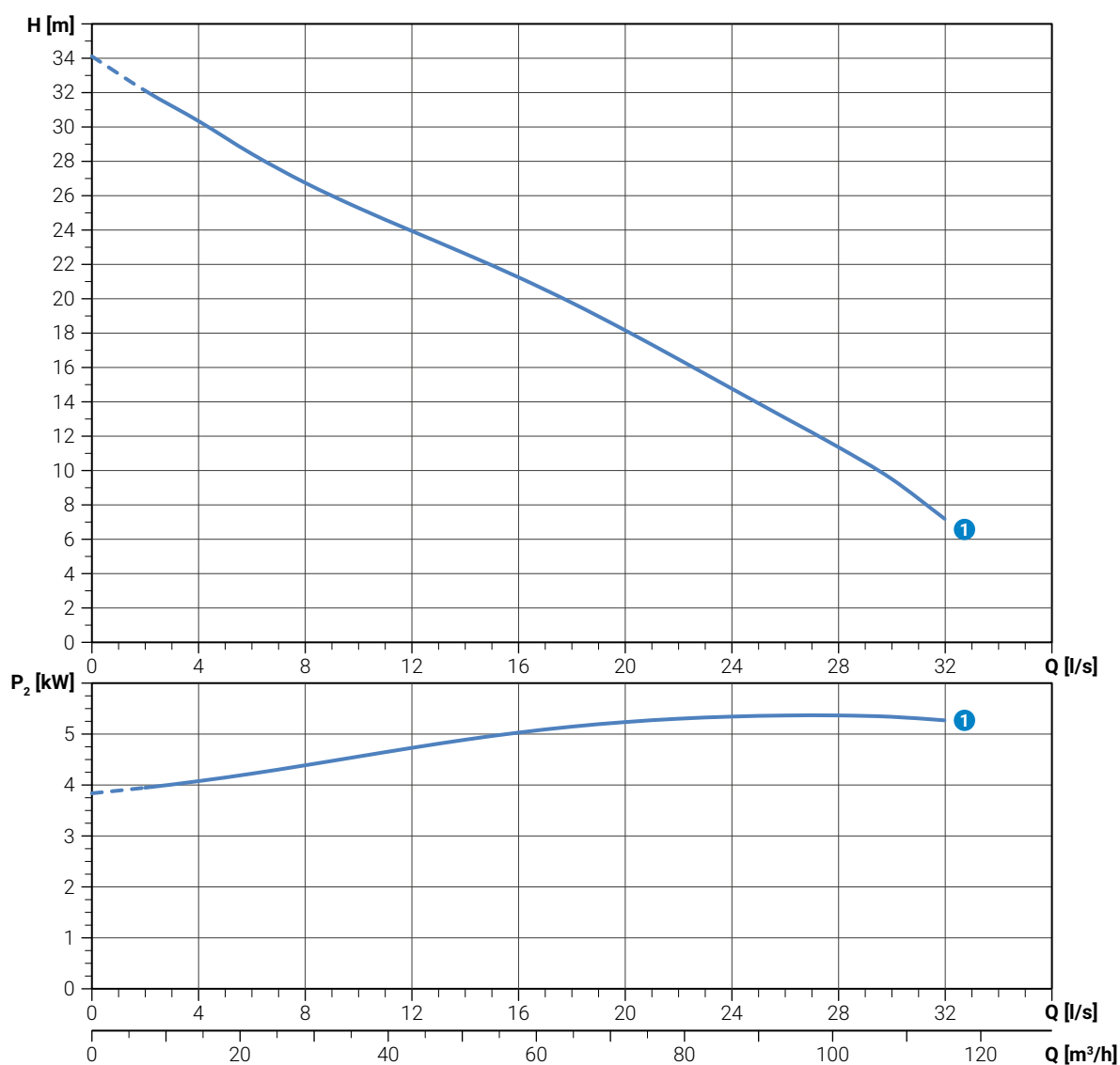
Technical data

	V	1~3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DRG 250/2/65 B0AT6	400/460	3~	2.1	1.8	3.7/3.2	2900	DOL	4G1	DN65	35 x 30 mm
② DRG 300/2/65 A0ET6	400/460	3~	2.2	2.7	4.7/4.0	2900	DOL	4G1.5+3x1	DN65	40 x 35 mm
③ DRG 300/2/65 B0ET6	400/460	3~	2.2	2.7	4.7/4.0	2900	DOL	4G1.5+3x1	DN65	35 x 30 mm
④ DRG 400/2/65 B0ET6	400/460	3~	3.6	3.0	6.4/5.6	2900	DOL	4G1.5+3x1	DN65	35 x 30 mm
⑤ DRG 550/2/65 A0FT6	400/460	3~	4.6	4.0	7.7/6.7	2900	DOL	4G1.5+3x1	DN65	40 x 35 mm

DRG 750/2/65

Performances

	l/s	0	4	8	12	16	20	24	28	32
	l/min	0	240	480	720	960	1200	1440	1680	1920
	m³/h	0	14.4	28.8	43.2	57.6	72.0	86.4	100.8	115.2
① DRG 750/2/65 A0FT6		34.1	30.3	26.8	24.0	21.3	18.2	14.8	11.4	7.2



Characteristic curves according to UNI EN ISO 9906

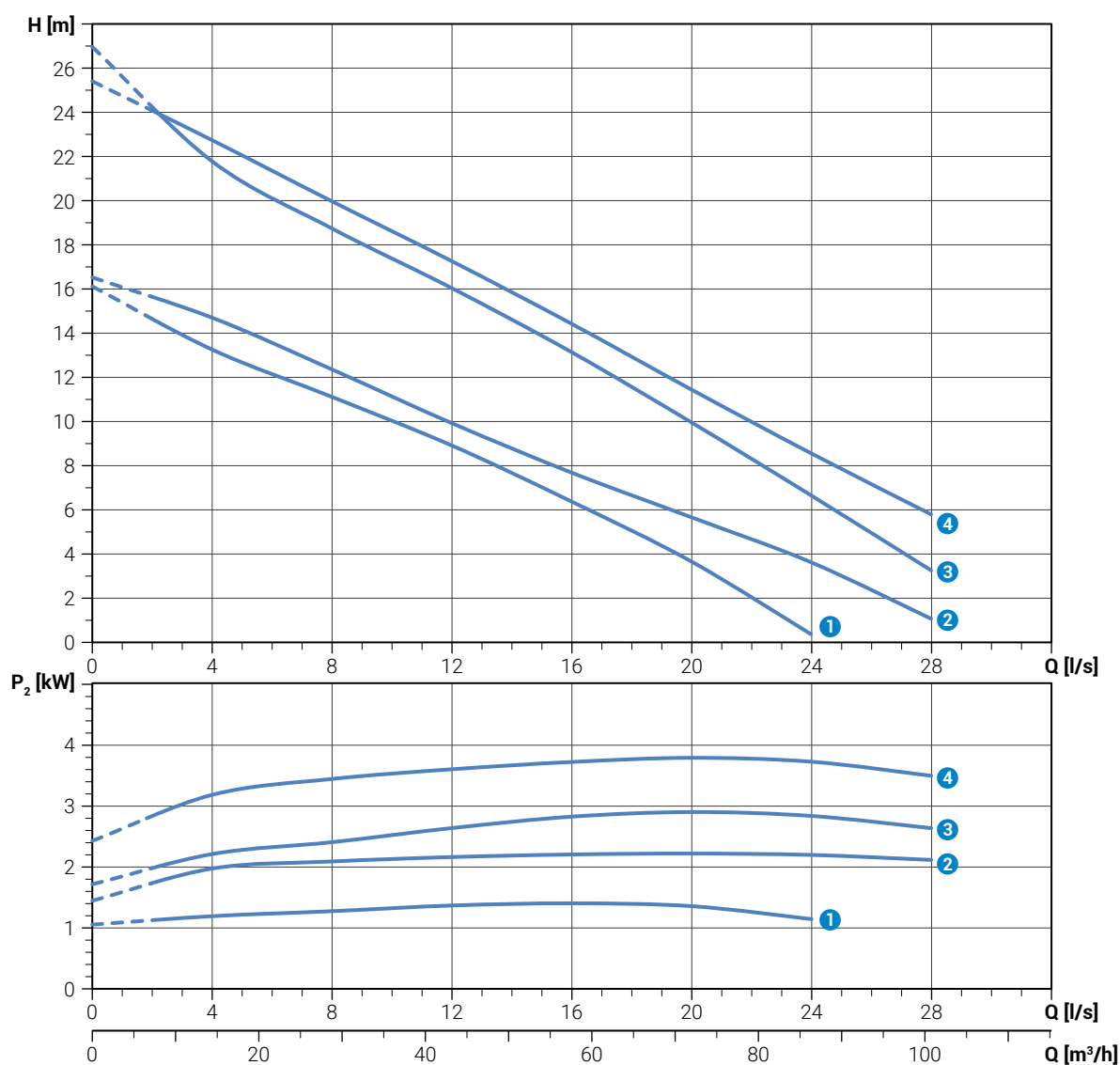
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DRG 750/2/65 A0FT6	400/460	3~	6.2	5.5	10.6/9.3	2900	DOL	4G1.5+3x1	DN65	40 x 35 mm

DRG 250÷550/2/80

Performances

	l/s	0	4	8	12	16	20	24	28
	l/min	0	240	480	720	960	1200	1440	1680
	m³/h	0	14.4	28.8	43.2	57.6	72.0	86.4	100.8
① DRG 250/2/80 L0AT6		16.1	13.2	11.1	8.9	6.4	3.7	0.4	
② DRG 300/2/80 E0ET6		16.5	14.7	12.3	9.9	7.7	5.7	3.6	1.1
③ DRG 400/2/80 L0ET6		27.0	21.8	18.8	16.0	13.1	9.9	6.6	3.2
④ DRG 550/2/80 E0FT6		25.4	22.7	20.0	17.3	14.4	11.4	8.5	5.8



Characteristic curves according to UNI EN ISO 9906

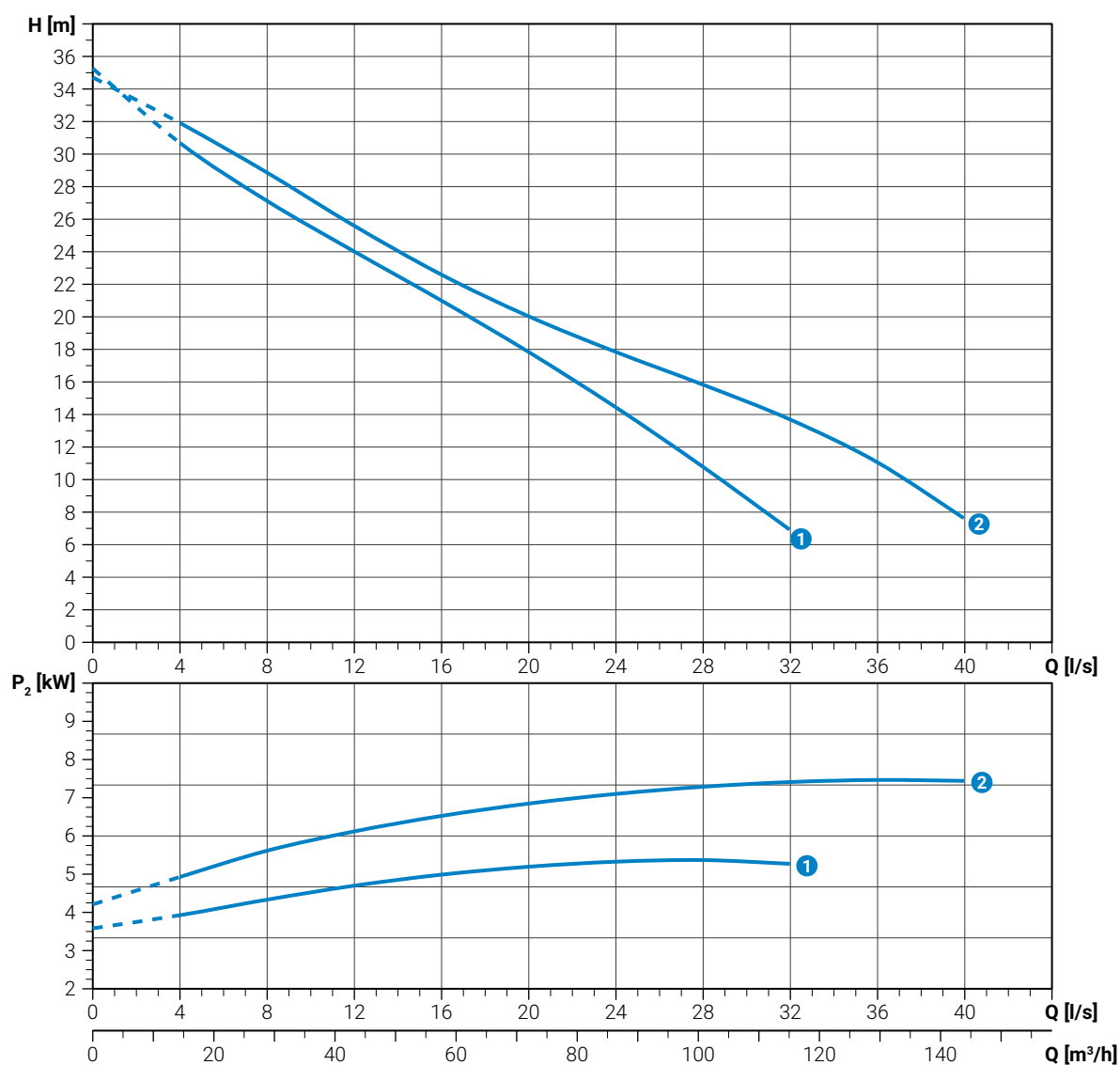
Technical data

	V	1~3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DRG 250/2/80 L0AT6	400/460	3~	2.1	1.8	3.7/3.2	2900	DOL	4G1	DN80	35 x 30 mm
② DRG 300/2/80 E0ET6	400/460	3~	2.7	2.2	4.7/4.0	2900	DOL	4G1.5+3x1	DN80	40 x 35 mm
③ DRG 400/2/80 L0ET6	400/460	3~	3.6	3.0	6.4/5.6	2900	DOL	4G1.5+3x1	DN80	35 x 30 mm
④ DRG 550/2/80 E0FT6	400/460	3~	4.6	4.0	7.7/6.7	2900	DOL	4G1.5+3x1	DN80	40 mm

DRG 750÷1000/2/80

Performances

	l/s	0	4	8	12	16	20	24	28	32	36	40
	l/min	0	240	480	720	960	1200	1440	1680	1920	2160	2400
	m³/h	0	14.4	28.8	43.2	57.6	72.0	86.4	100.8	115.2	129.6	144.0
① DRG 750/2/80 E0FT6		35.3	30.7	27.2	24.0	21.0	17.9	14.5	10.8	6.9		
② DRG 1000/2/80 A0FT6		34.7	31.9	28.9	25.6	22.6	20.0	17.8	15.8	13.7	11.1	7.6



Characteristic curves according to UNI EN ISO 9906

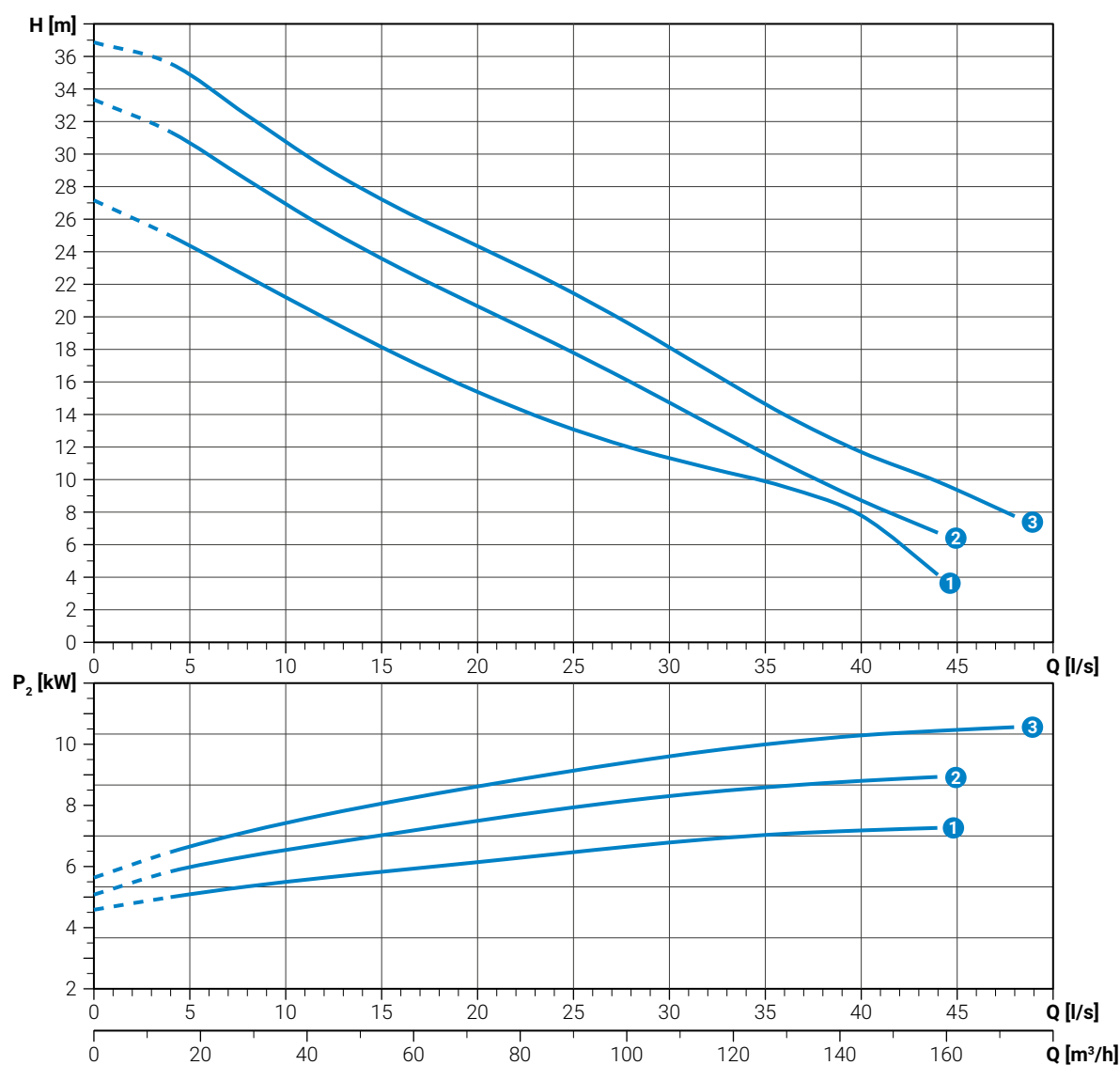
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DRG 750/2/80 E0FT6	400/460	3~	6.2	5.5	10.6/9.3	2900	DOL	4G1.5+3x1	DN80	40 mm
② DRG 1000/2/80 A0FT6	400/460	3~	8.4	7.5	13.7/11.9	2900	DOL	4G1.5+3x1	DN80	40 mm

DRG 1000÷1500/2/80

Performances

	l/s	0	4	8	12	16	20	24	28	32	36	40	44	48
	l/min	0	240	480	720	960	1200	1440	1680	1920	2160	2400	2640	2880
	m³/h	0	14.4	28.8	43.2	57.6	72.0	86.4	100.8	115.2	129.6	144.0	158.4	172.8
① DRG 1000/2/80 B0FT6		27.2	25.0	22.5	20.0	17.6	15.4	13.5	12.0	10.7	9.6	7.8	4.1	
② DRG 1200/2/80 B0GT6		33.4	31.4	28.5	25.6	23.0	20.7	18.4	16.0	13.5	11.0	8.7	6.7	
③ DRG 1500/2/80 B0GT6		36.9	35.6	32.4	29.2	26.6	24.4	22.1	19.5	16.7	14.0	11.7	9.9	7.7



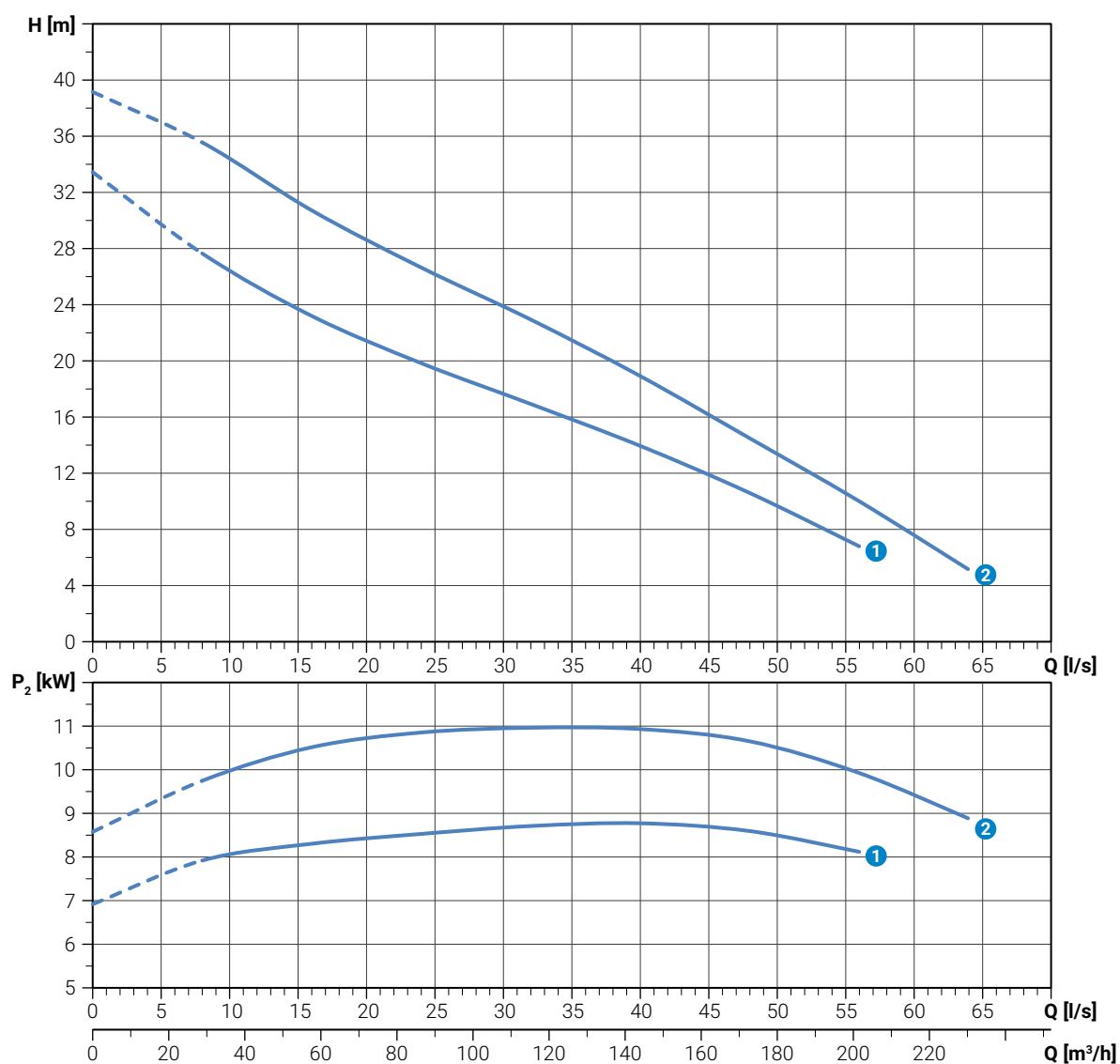
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DRG 1000/2/80 B0FT6	400/460	3~	8.4	7.5	13.7/11.9	2900	DOL	4G1.5+3x1	DN80	55 x 50 mm
② DRG 1200/2/80 B0GT6	400/460	3~	9.0	10.3	16.1/14.0	2900	DOL	7G1.5+3x1	DN80	55 x 50 mm
③ DRG 1500/2/80 B0GT6	400/460	3~	12.6	11.0	19.4/16.9	2900	DOL	4G4+3x1	DN80	55 x 50 mm

DRG 1200÷1500/2/100

Performances

	l/s	0	8	16	24	32	40	48	56	64
	l/min	0	480	960	1440	1920	2400	2880	3360	3840
	m³/h	0	28.8	57.6	86.4	115.2	144.0	172.8	201.6	230.4
① DRG 1200/2/100 K0GT6		33.5	27.7	23.2	19.9	17.0	14.0	10.6	6.8	
② DRG 1500/2/100 K0GT6		39.2	35.6	30.8	26.7	23.0	18.9	14.5	10.0	5.1



Characteristic curves according to UNI EN ISO 9906

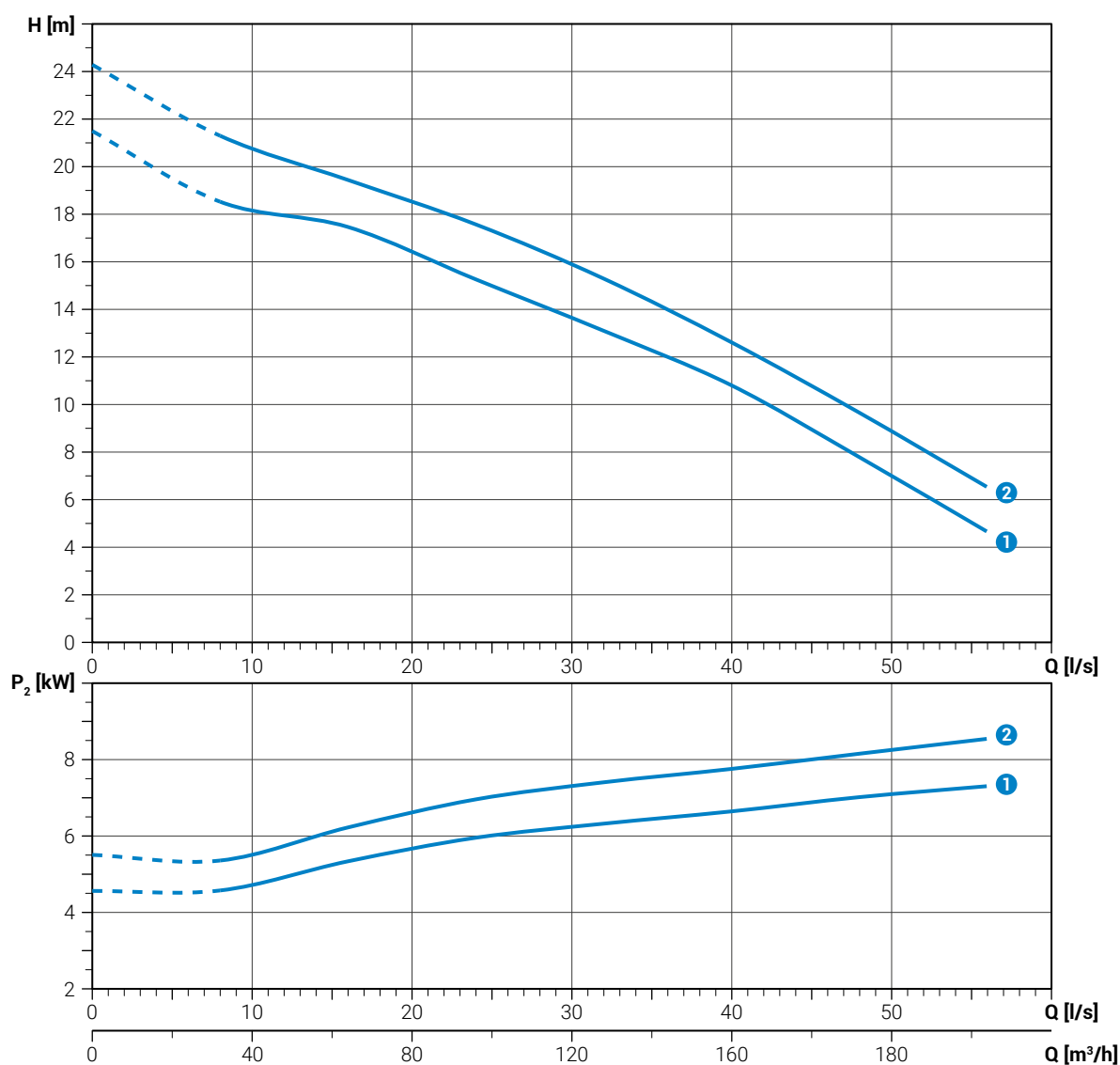
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DRG 1200/2/100 K0GT6	400/460	3~	10.3	9.0	16.1/14.0	2900	DOL	4G4+3x1	DN100	45 mm
② DRG 1500/2/100 K0GT6	400/460	3~	12.6	11.0	19.4/16.3	2900	DOL	7G1.5+3x1	DN100	45 mm

DRG 1000÷1200/4/80

Performances

	l/s	0	8	16	24	32	40	48	56
	l/min	0	480	960	1440	1920	2400	2880	3360
	m³/h	0	28.8	57.6	86.4	115.2	144.0	172.8	201.6
①	DRG 1000/4/80 D0GT6	21.5	18.5	17.5	15.3	13.1	10.8	7.8	4.7
②	DRG 1200/4/80 D0HT6	24.3	21.3	19.5	17.6	15.3	12.6	9.7	6.5



Characteristic curves according to UNI EN ISO 9906

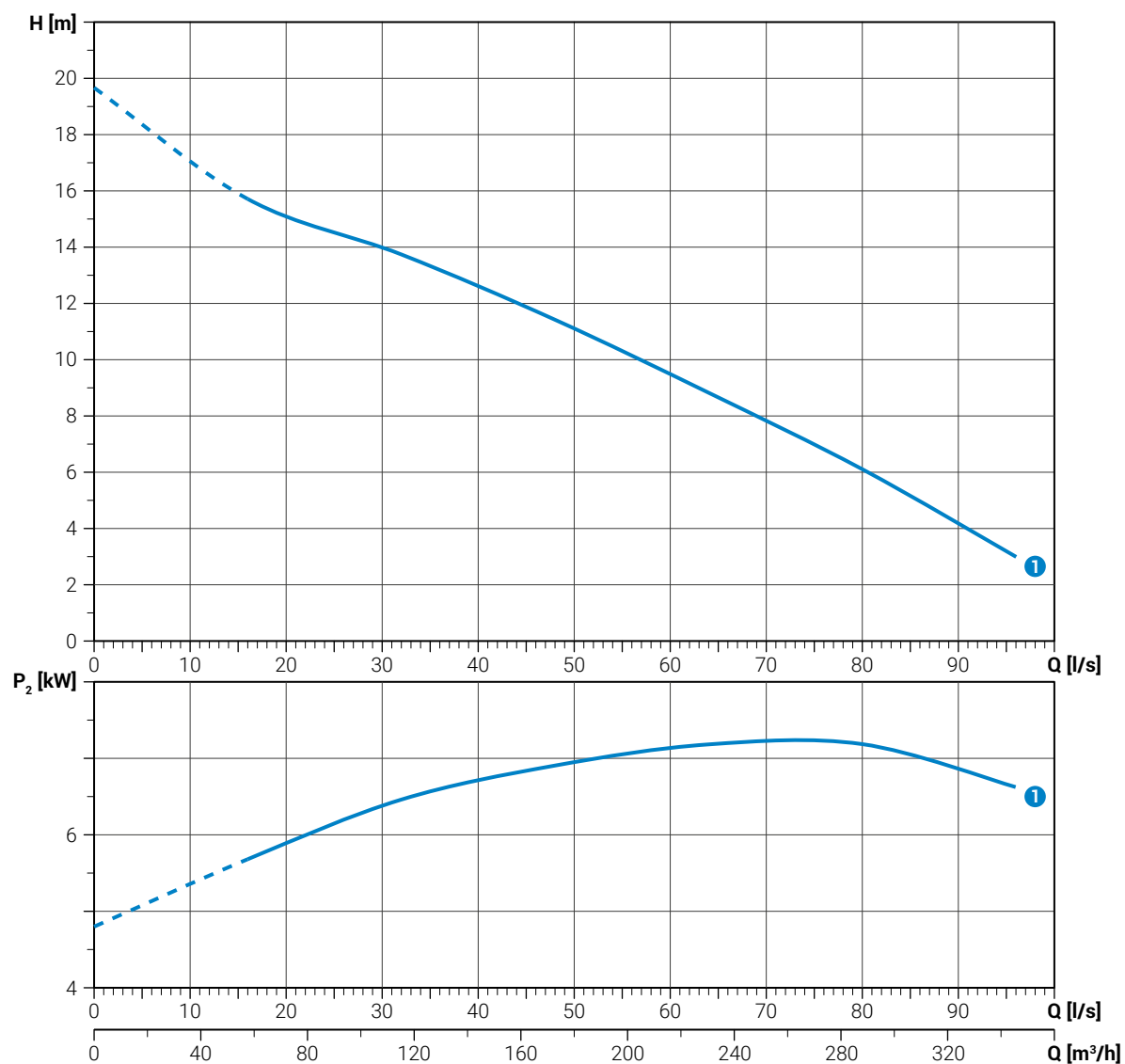
Technical data

	V	1~3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ				
①	DRG 1000/4/80 D0GT6	400/460	3~	8.6	7.5	16.0/13.9	1450	DOL	4G4+3x1	DN80	65 x 60 mm
②	DRG 1200/4/80 D0HT6	400/460	3~	10.1	9.0	17.1/14.9	1450	DOL	4G2.5+3x1	DN80	65 x 60 mm

DRG 1000/4/150

Performances

	l/s	0	16	32	48	64	80	96	112
	l/min	0	960	1920	2880	3840	4800	5760	6720
	m³/h	0	57.6	115.2	172.8	230.4	288	345.6	403.2
①	DRG 1000/4/150 N0GT6	12.1	10.9	10.0	8.8	7.5	6.2	4.7	2.7



Characteristic curves according to UNI EN ISO 9906

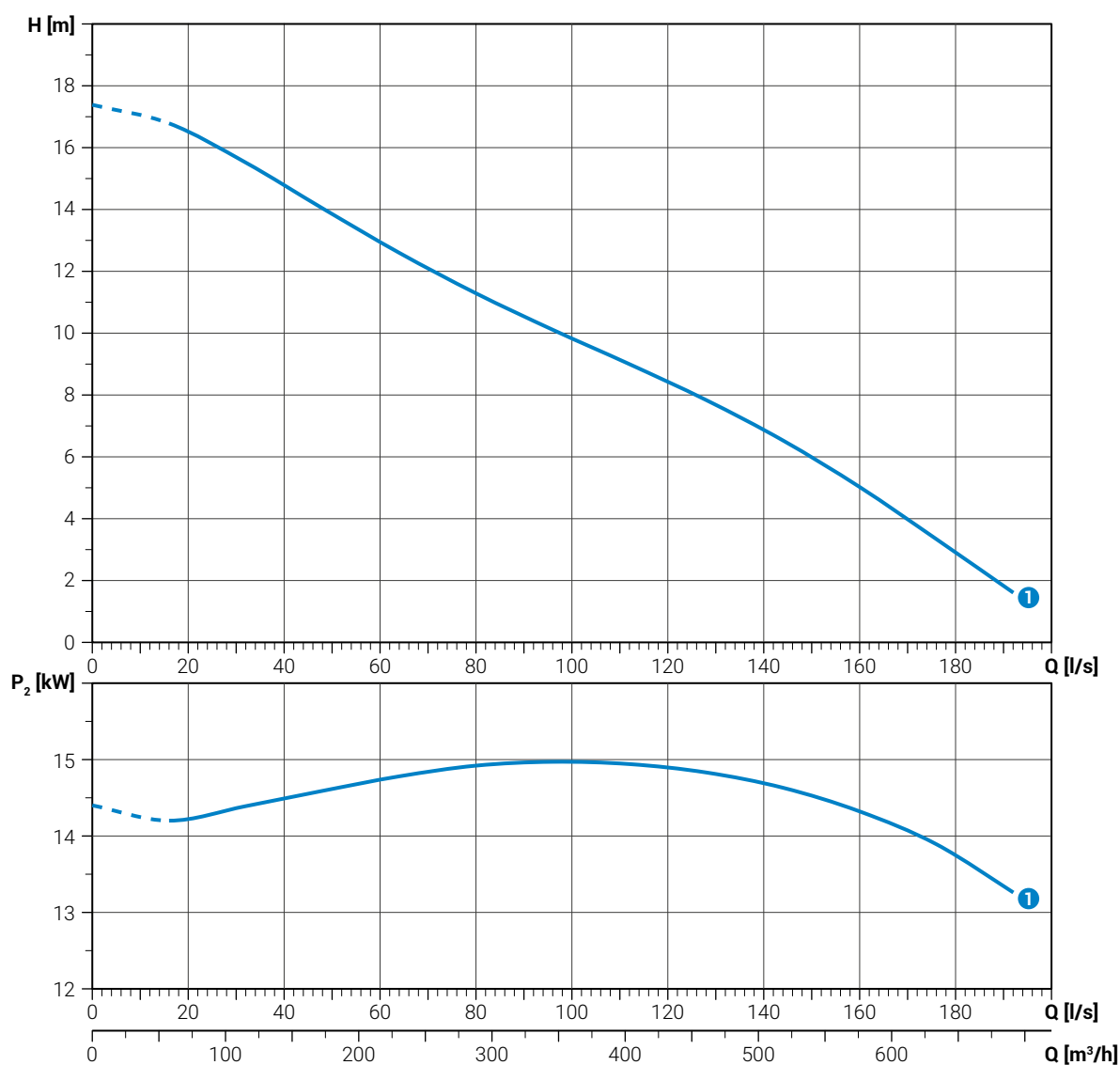
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DRG 1000/4/150 N0GT6	400/460	3~	8.6	7.5	16.0/13.9	1450	DOL	4G4+3x1	DN150	65 x 60 mm

DRG 2000/4/200

Performances

	l/s	0	16	32	48	64	80	96	112	128	144	160	176	192
	l/min	0	960	1920	2880	3840	4800	5760	6720	7680	8640	9600	10560	11520
	m ³ /h	0	57.6	115.2	172.8	230.4	288	345.6	403.2	460.8	518.4	576	633.6	691.2
① DRG 2000/4/200 B0HT6		17.4	16.8	15.5	14.1	12.6	11.3	10.1	9.0	7.8	6.5	5.0	3.3	1.6



Characteristic curves according to UNI EN ISO 9906

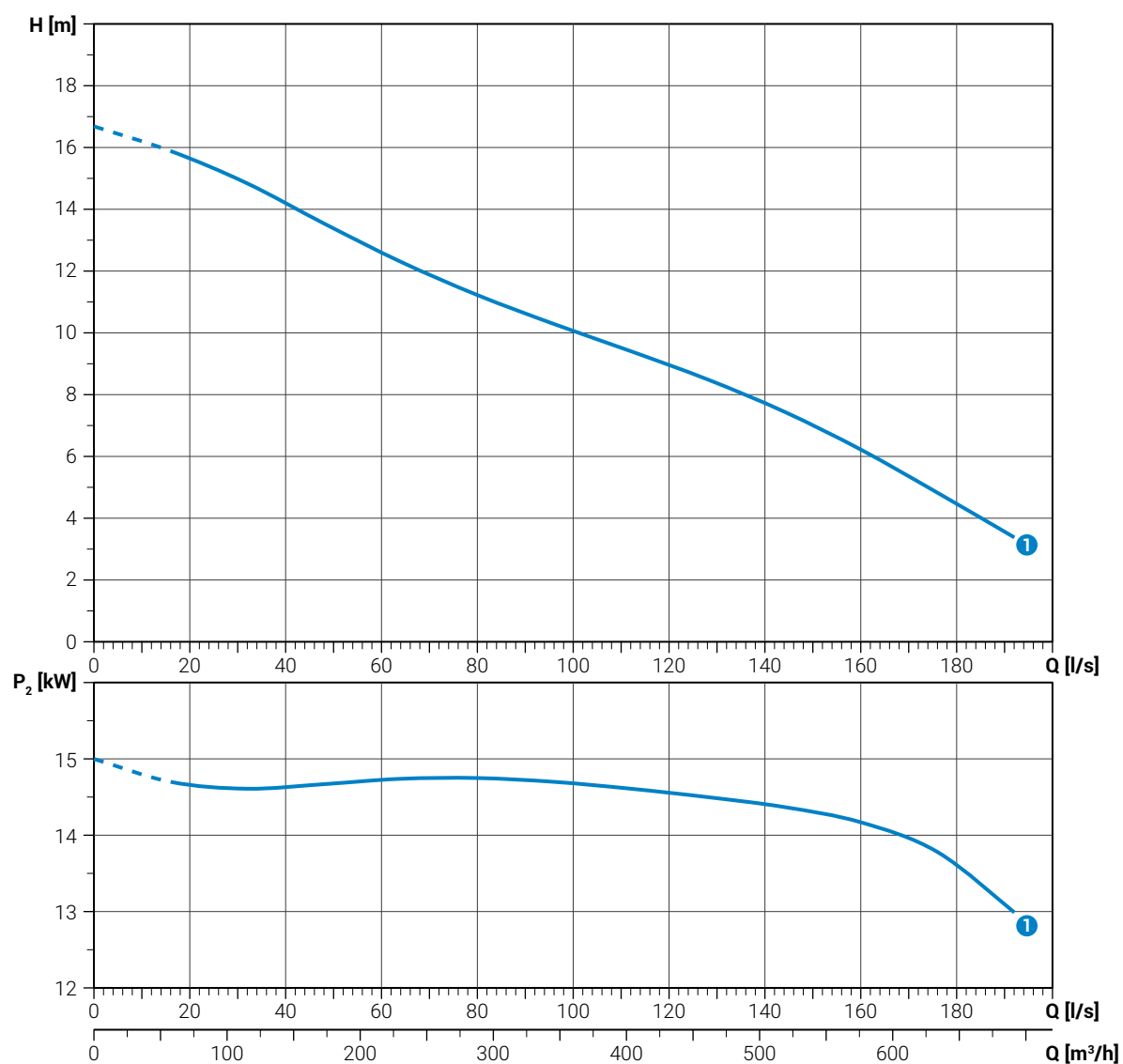
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DRG 2000/4/200 B0HT6	400/460	3~	16.5	15.0	31.0/26.9	1450	DOL	4G6, 4G1.5	DN200	80 mm

DRG 2000/4/250

Performances

	l/s	0	16	32	48	64	80	96	112	128	144	160	176	192
	l/min	0	960	1920	2880	3840	4800	5760	6720	7680	8640	9600	10560	11520
	m³/h	0	57.6	115.2	172.8	230.4	288	345.6	403.2	460.8	518.4	576	633.6	691.2
① DRG 2000/4/250 H0HT6		16.7	15.9	14.9	13.6	12.3	11.2	10.3	9.4	8.5	7.4	6.2	4.8	3.4



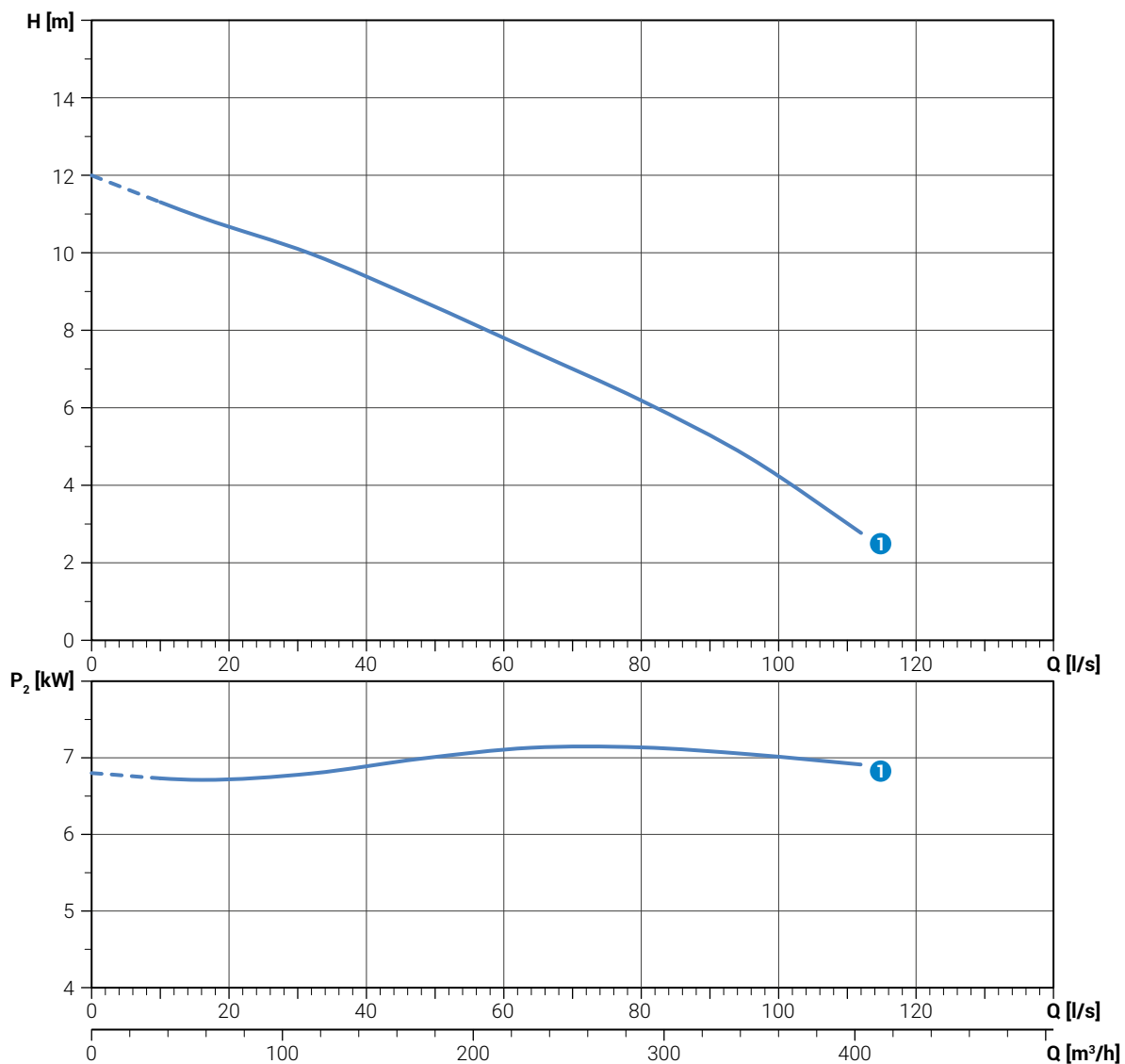
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DRG 2000/4/250 H0HT6	400/460	3~	16.5	15.0	31.0/26.9	1450	DOL	7G2.5+3x1	DN250	80 mm

DRG 1000/6/150

Performances

	l/s	0	16	32	48	64	80	96	112
	l/min	0	960	1920	2880	3840	4800	5760	6720
	m ³ /h	0	57.6	115.2	172.8	230.4	288	345.6	403.2
① DRG 1000/6/150 F0HT6		12.0	10.9	10.0	8.8	7.5	6.2	4.7	2.7



Characteristic curves according to UNI EN ISO 9906

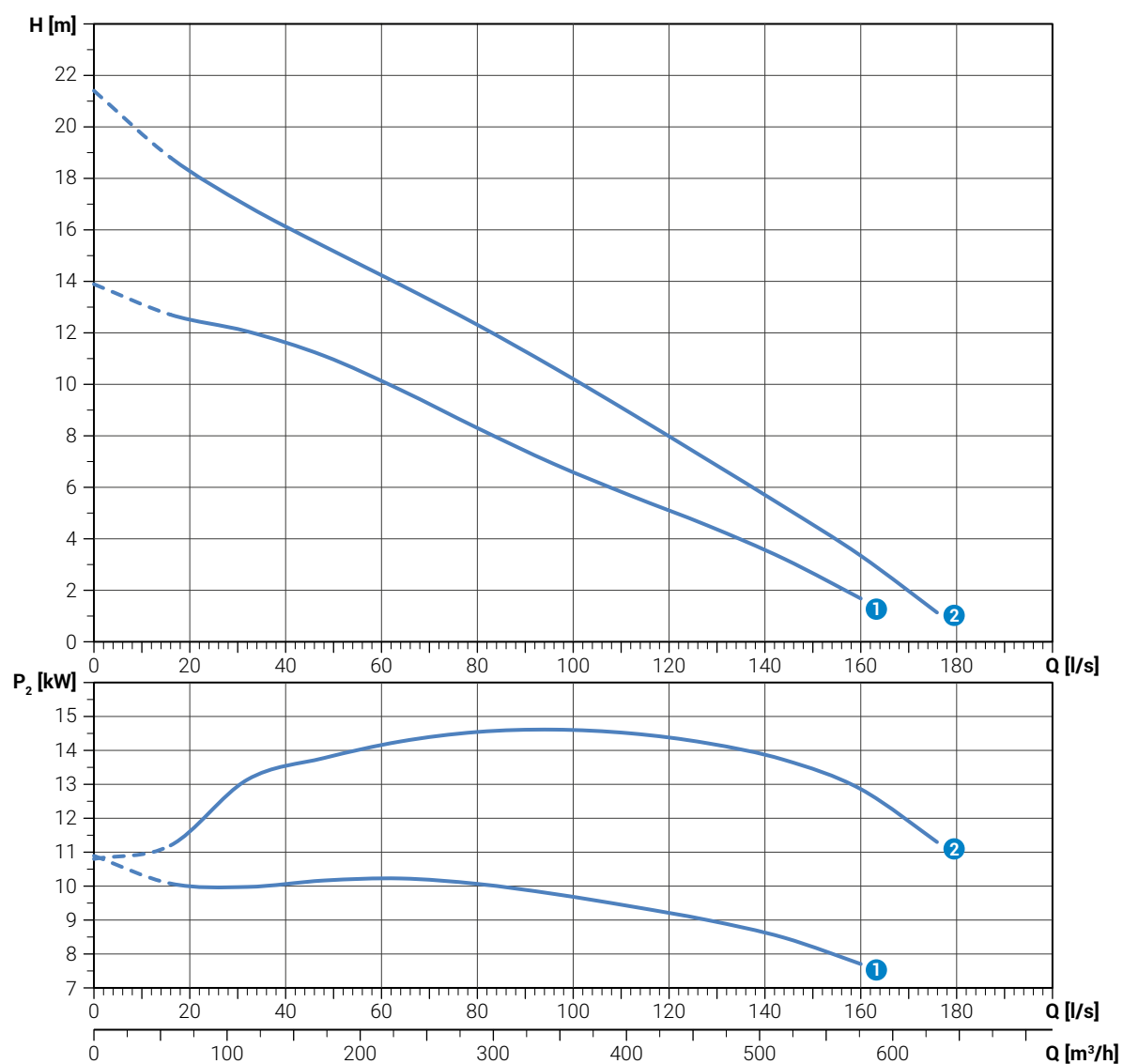
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DRG 1000/6/150 F0HT6	400/460	3~	8.7	7.5	15.6/13.6	960	DOL	7G2.5+3x1	DN150	80 mm

DRG 1500÷1750/6/200

Performances

	l/s	0	16	32	48	64	80	96	112	128	144	160	176
	l/min	0	960	1920	2880	3840	4800	5760	6720	7680	8640	9600	10560
	m³/h	0	57.6	115.2	172.8	230.4	288	345.6	403.2	460.8	518.4	576	633.6
① DRG 1500/6/200 A0HT6		13.9	12.7	12.1	11.1	9.8	8.3	6.9	5.7	4.5	3.2	1.7	
② DRG 1750/6/200 B0HT6		21.4	18.8	16.9	15.4	13.9	12.3	10.6	8.9	7.1	5.2	3.3	1.1



Characteristic curves according to UNI EN ISO 9906

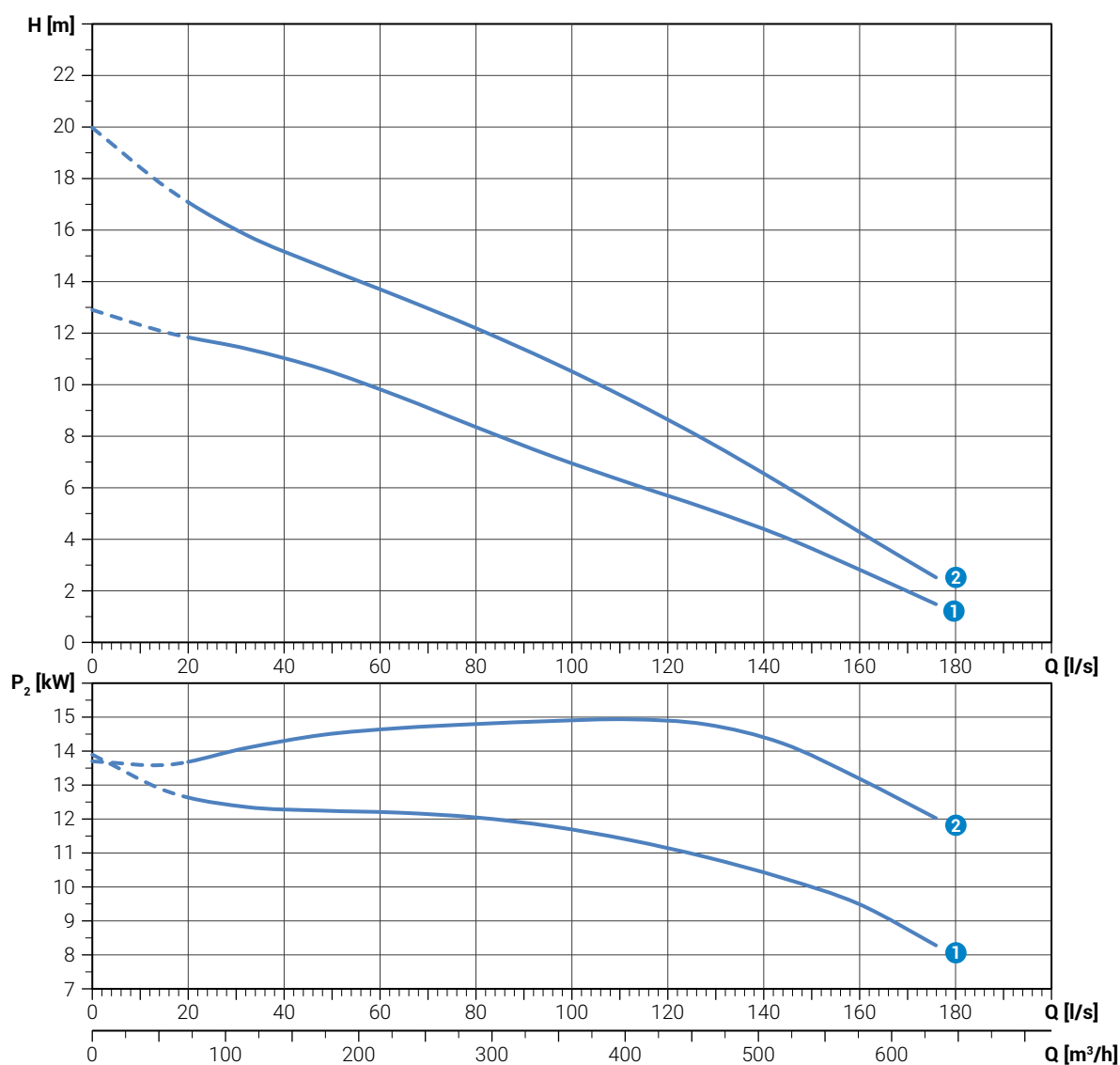
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DRG 1500/6/200 A0HT6	400/460	3~	12.4	11.0	24.4/21.3	960	DOL	4G6, 4G1.5	DN200	100 x 70 mm
② DRG 1750/6/200 B0HT6	400/460	3~	14.6	13.0	27.4/23.8	960	DOL	7G2.5+3x1	DN200	80 mm

DRG 1500÷1750/6/250

Performances

	l/s	0	16	32	48	64	80	96	112	128	144	160	176
	l/min	0	960	1920	2880	3840	4800	5760	6720	7680	8640	9600	10560
	m³/h	0	57.6	115.2	172.8	230.4	288	345.6	403.2	460.8	518.4	576	633.6
① DRG 1500/6/250 C0HT6		12.9	12.0	11.4	10.6	9.5	8.4	7.2	6.2	5.2	4.1	2.8	1.5
② DRG 1750/6/250 H0HT6		20.0	17.6	15.8	14.6	13.4	12.2	10.9	9.4	7.8	6.1	4.3	2.5

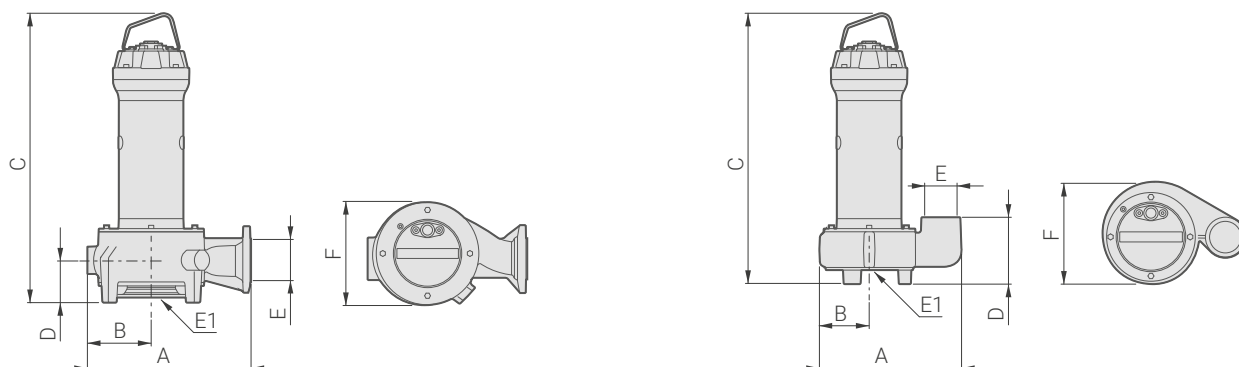


Technical data

	V	1~3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DRG 1500/6/250 C0HT6	400/460	3~	12.4	11.0	24.4/21.3	960	DOL	7G2.5+3x1	DN250	100 x 70 mm
② DRG 1750/6/250 H0HT6	400/460	3~	14.6	13.0	27.4/23.8	960	DOL	7G2.5+3x1	DN250	80 mm

DRG

Overall dimensions and weights



	A	B	C	D	E	E1	F	kg
DRG 250/2/G65V B0AT6	327	116	541	153	G 2½"	65	240	33.0
DRG 300/2/G65V B0ET6	327	116	565	213	G 2½"	65	240	42.2
DRG 400/2/G65V B0ET6	327	116	641	213	G 2½"	65	240	45.0

	A	B	C	D	E	E1	F		kg
DRG 250/2/65 B0AT6	344	136	543	80	65	65	255	DN65 PN10-16	34.0
DRG 300/2/65 A0ET6	344	136	565	80	65	65	255	DN65 PN10-16	44.2
DRG 300/2/65 B0ET6	344	136	565	80	65	65	255	DN65 PN10-16	44.2
DRG 400/2/65 B0ET6	344	136	615	80	65	65	255	DN65 PN10-16	47.0
DRG 550/2/65 A0FT6	344	136	670	80	65	65	255	DN65 PN10-16	58.6
DRG 750/2/65 A0FT6	344	136	670	80	65	65	255	DN65 PN10-16	61.3
DRG 250/2/80 L0AT6	347	135	542	80	80	80	252	DN80 PN10-16	36.0
DRG 300/2/80 E0ET6	347	135	564	80	80	80	252	DN80 PN10-16	45.2
DRG 400/2/80 L0ET6	340	135	614	80	80	80	252	DN80 PN10-16	48.0
DRG 550/2/80 E0FT6	340	135	638	80	80	80	252	DN80 PN10-16	68.6
DRG 750/2/80 E0FT6	340	135	638	80	80	80	252	DN80 PN10-16	71.3
DRG 1000/2/80 A0FT6	327	142	782	91	80	80	271	DN80 PN10-16	79.2
DRG 1000/2/80 B0FT6	327	142	782	91	80	80	271	DN80 PN10-16	79.2
DRG 1200/2/80 B0GT6	327	142	849	90	80	80	272	DN80 PN10-16	104.5
DRG 1500/2/80 B0GT6	327	142	849	90	80	80	272	DN80 PN10-16	105.7
DRG 1200/2/100 K0GT6	416	160	850	98	100	100	305	DN100 PN10-16	114.5
DRG 1500/2/100 K0GT6	416	160	850	98	100	100	305	DN100 PN10-16	115.7
DRG 1000/4/80 D0GT6	481	188	899	78	80	150	367	DN80 PN10-16	141.0
DRG 1200/4/80 D0HT6	481	188	980	78	80	150	367	DN80 PN10-16	183.0
DRG 1000/4/150 N0GT6	616	227	905	130	150	150	448	DN150 PN10-16	151.0
DRG 2000/4/200 B0HT6	696	273	1136	171	200	200	539	DN200 PN10	251.0
DRG 2000/4/250 H0HT6	808	334	1136	171	250	200	609	DN250 PN10	282.0
DRG 1000/6/150 F0HT6	647	251	1045	171	150	200	507	DN150 PN10-16	235.0
DRG 1500/6/200 A0HT6	696	273	1167	203	150	200	539	DN200 PN10	293.8
DRG 1750/6/200 B0HT6	696	273	1136	171	200	200	539	DN200 PN10	256.0
DRG 1500/6/250 C0HT6	808	334	1168	202	250	250	608	DN250 PN10	319.3
DRG 1750/6/250 H0HT6	808	334	1136	171	250	200	609	DN250 PN10	287.0

Dimensions in mm

Packaging dimension



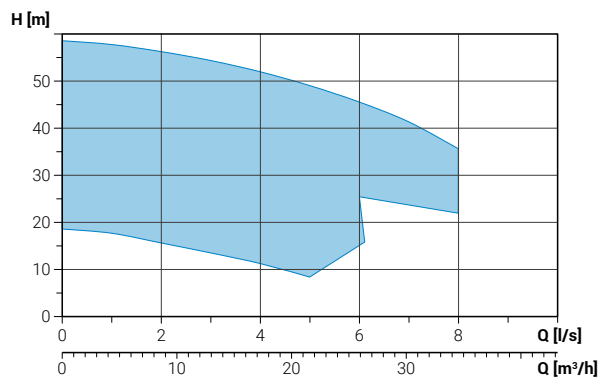
	X	Y	Z
DRG 250/2/G65V B0AT6	725	445	425
DRG 300/2/G65V B0ET6	725	445	425
DRG 400/2/G65V B0ET6	725	445	425
DRG 250/2/65 B0AT6	725	445	425
DRG 300/2/65 A0ET6	725	445	425
DRG 300/2/65 B0ET6	725	445	425
DRG 400/2/65 B0ET6	725	445	425
DRG 550/2/65 A0FT6	725	445	425
DRG 750/2/65 A0FT6	725	445	425
DRG 250/2/80 L0AT6	725	445	425
DRG 300/2/80 E0ET6	725	445	425
DRG 400/2/80 L0ET6	725	445	425
DRG 550/2/80 E0FT6	725	445	425
DRG 750/2/80 E0FT6	725	445	425
DRG 1000/2/80 A0FT6	915	535	560
DRG 1000/2/80 B0FT6	915	535	560
DRG 1200/2/80 B0GT6	915	535	560
DRG 1500/2/80 B0GT6	915	535	560
DRG 1200/2/100 K0GT6	915	535	560
DRG 1500/2/100 K0GT6	915	535	560
DRG 1000/4/80 D0GT6	915	535	560
DRG 1200/4/80 D0HT6	1270	725	675
DRG 1000/4/150 N0GT6	1270	725	675
DRG 2000/4/200 B0HT6	1270	725	675
DRG 2000/4/250 H0HT6	1000	750	1200
DRG 1000/6/150 F0HT6	1270	725	675
DRG 1500/6/200 A0HT6	1270	725	675
DRG 1750/6/200 B0HT6	1270	725	675
DRG 1500/6/250 C0HT6	1000	750	1200
DRG 1750/6/250 H0HT6	1270	725	675

Dimensions in mm



Impeller with grinder system

Operating ranges



Range characteristics

Motor power	1.8 ÷ 7.5 kW
Poles	2
Insulation class	H
Degree of protection	IP68
Discharge vertical	-
Discharge horizontal	G1 ½" DN32 - G2" DN32
Free passage	-
Max flow rate	8.0 l/s
Max head	58.0 m

Motor

Ecological dry motor with thermal protections.

Cable

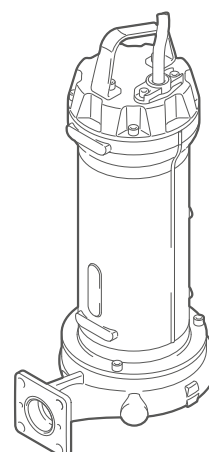
S1RN8-F electric cable. Standard version 10 m cable length.

Mechanical seals

Two silicon carbide (SiC) mechanical seals in oil sump.

Applications

Designed for professional and industrial use, it is suitable for the treatment of liquids containing suspended solids or fibres.



Versions

Electrical variants	NAE, TS
Cooling system	N
Mechanical seals	2SIC

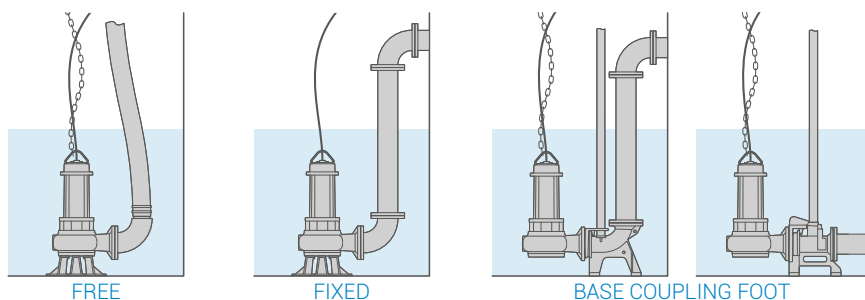
Operating specifications

Max operating temperature	40 °C
PH of treated fluid	6 ÷ 14
Viscosity of treated fluid	1 mm²/s
Maximum immersion depth	20 m
Density of treated fluid	1 Kg/dm³
Acoustic pressure max	<70dB
Max starts per hour	30

Construction materials

Case	Cast iron EN-GJL 250
Hydraulic parts	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Nuts and bolts	Stainless steel - Class A2-70
Standard gasket	Rubber - NBR
Shaft	Stainless steel - AISI 431
Paint type	Ecological bicomponent epoxy (~200 µm)
Cutter	Chromium steel
Strainer	-

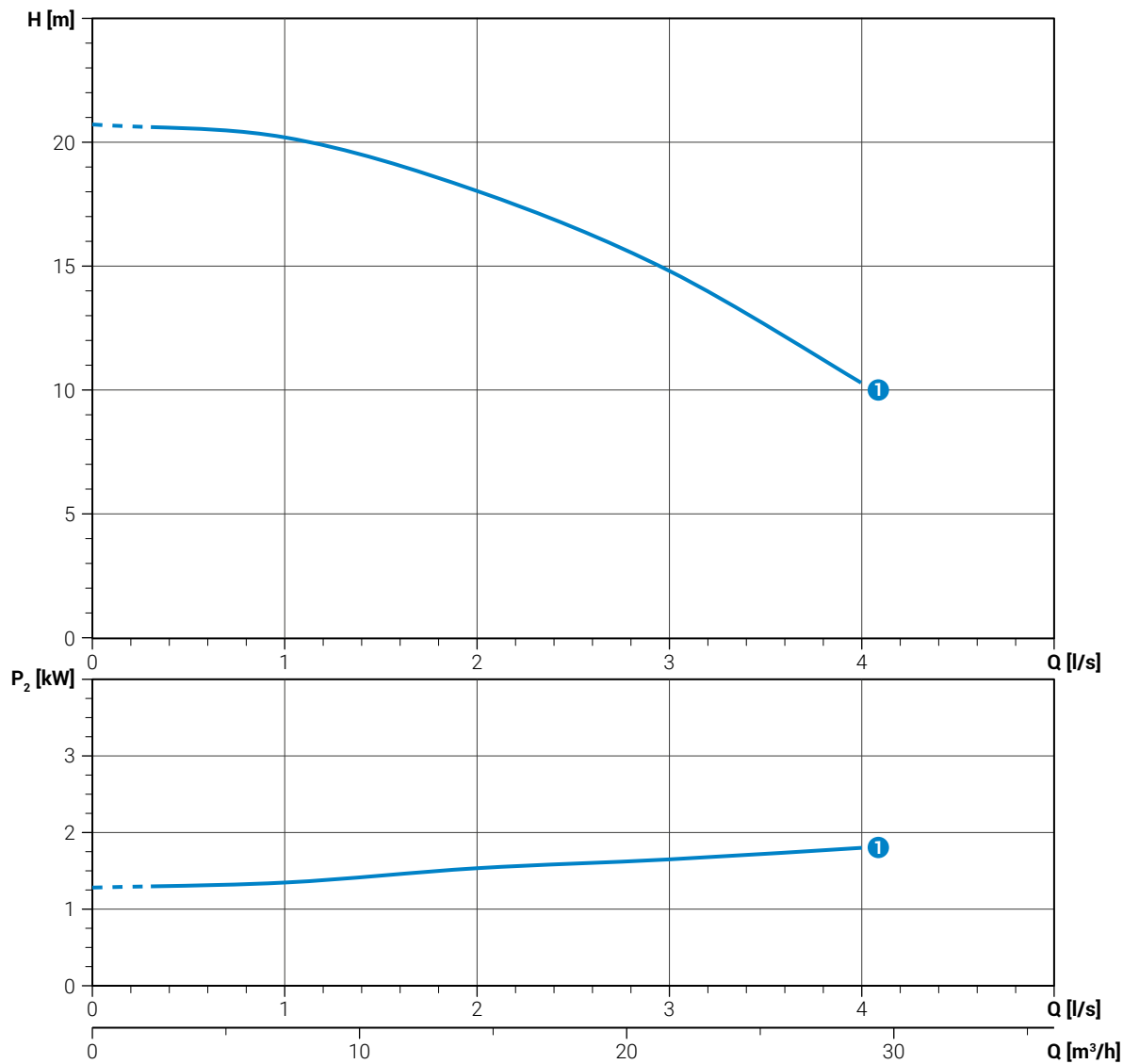
Installations



GRG 250/2/G40H

Performances

	l/s	0	1	2	3	4
	l/min	0	60	120	180	240
	m³/h	0	3.6	7.2	10.8	14.4
1	GRG 250/2/G40H A0AT6	20.7	20.2	18.0	14.8	10.3



Characteristic curves according to UNI EN ISO 9906

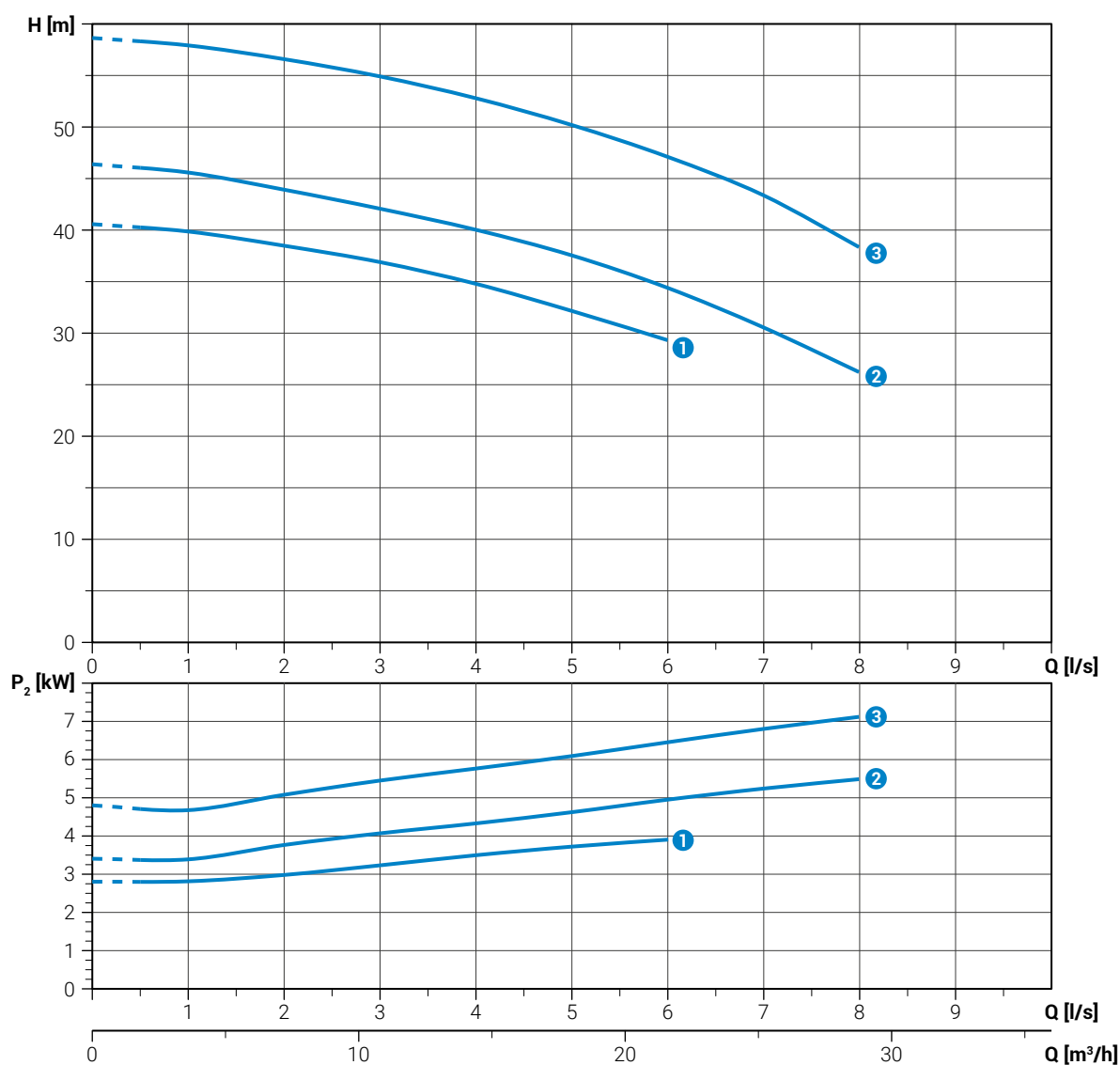
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
1 GRG 250/2/G40H A0AT6	400/460	3~	2.1	1.8	3.7/3.2	2900	DOL	4G1	G1"½ DN32	-

GRG 300÷1000/2/G50H

Performances

	l/s	0	1	2	3	4	5	6	7	8
	l/min	0	60	120	180	240	300	360	420	480
	m³/h	0	3.6	7.2	10.8	14.4	18	21.6	25.2	28.8
①	GRG 300/2/G50H C0ET6	23.3	22.5	20.6	18.8	16.7	14.2			
②	GRG 400/2/G50H C0ET6	32.3	31.0	29.0	26.9	24.8	22.4	19.3		
③	GRG 550/2/G50H C0FT6	40.6	39.9	38.5	36.9	34.8	32.1	29.3		
④	GRG 750/2/G50H A0FT6	46.4	45.6	43.9	42.1	40.0	37.5	34.4	30.5	26.2
⑤	GRG 1000/2/G50H A0FT6	58.6	57.9	56.6	54.9	52.8	50.2	47.1	43.4	38.4

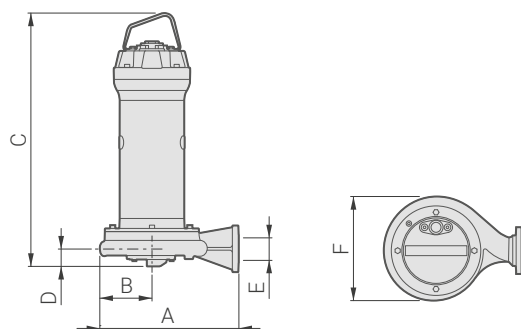


Technical data

		V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
①	GRG 300/2/G50H C0ET6	400/460	3~	2.7	2.2	4.7/4.0	2900	DOL	4G1.5+3x1	G2" DN32	-
②	GRG 400/2/G50H C0ET6	400/460	3~	3.6	3.0	6.4/5.6	2900	DOL	4G1.5+3x1	G2" DN32	-
③	GRG 550/2/G50H C0FT6	400/460	3~	4.6	4.0	7.7/6.7	2900	DOL	4G1.5+3x1	G2" DN32	-
④	GRG 750/2/G50H A0FT6	400/460	3~	4.2	5.5	10.6/9.3	2900	DOL	4G1.5+3x1	G2" DN32	-
⑤	GRG 1000/2/G50H A0FT6	400/460	3~	8.4	7.5	13.6/11.9	2900	DOL	4G1.5+3x1	G2" DN32	-

GRG

Overall dimensions and weights



	A	B	C	D	E	F		
GRG 250/2/G40H A0AT6	267	107	476	29	G1"½	215	DN32 PN6	32.0
GRG 300/2/G50H C0ET6	305	110	516	45	G2"	225	DN32 PN6	43.2
GRG 400/2/G50H C0ET6	305	110	566	45	G2"	225	DN32 PN6	46.0
GRG 550/2/G50H C0FT6	305	110	662	45	G2"	225	DN32 PN6	57.6
GRG 750/2/G50H A0FT6	352	133	637	44	G2"	270	DN32 PN6	60.3
GRG 1000/2/G50H A0FT6	352	133	712	44	G2"	263	DN32 PN6	68.2

Dimensions in mm

Packaging dimension

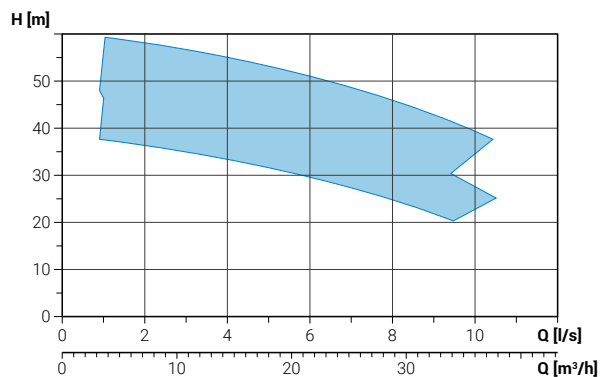


	X	Y	Z
GRG 250/2/G40H A0AT6	580	310	310
GRG 300/2/G50H C0ET6	725	445	425
GRG 400/2/G50H C0ET6	725	445	425
GRG 550/2/G50H C0FT6	725	445	425
GRG 750/2/G50H A0FT6	725	445	425
GRG 1000/2/G50H A0FT6	915	535	560

Dimensions in mm

High head impeller

Operating ranges



Range characteristics

Motor power	3.0 ÷ 7.5 kW
Poles	2
Insulation class	H
Degree of protection	IP68
Discharge vertical	-
Discharge horizontal	G2" DN32
Free passage	max 10 mm
Max flow rate	10.5 l/s
Max head	53.0 m

Motor

Ecological dry motor with thermal protections.

Cable

S1RN8-F electric cable. Standard version 10 m cable length.

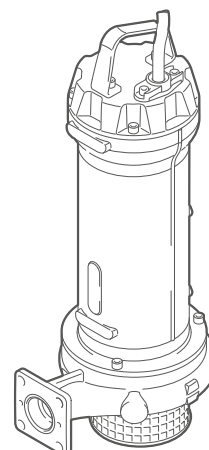
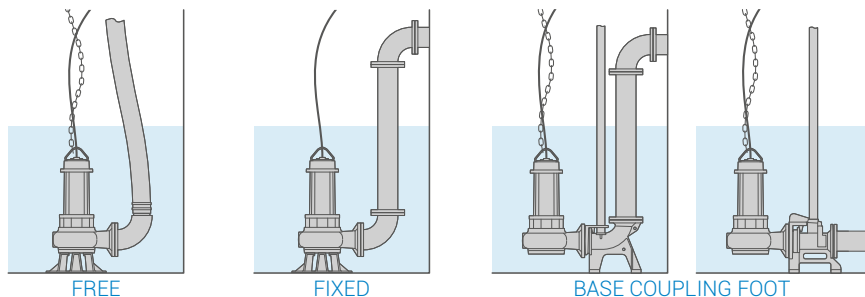
Mechanical seals

Two silicon carbide (SiC) mechanical seals in oil sump.

Applications

The considerable manometric head guarantees excellent results for the creation of water features and decorative fountains; suitable for use in agriculture, irrigation and the fish processing sector.

Installations



Versions

Electrical variants	NAE, TS
Cooling system	N
Mechanical seals	2SIC

Operating specifications

Max operating temperature	40 °C
PH of treated fluid	6 ÷ 14
Viscosity of treated fluid	1 mm²/s
Maximum immersion depth	20 m
Density of treated fluid	1 Kg/dm³
Acoustic pressure max	<70dB
Max starts per hour	30

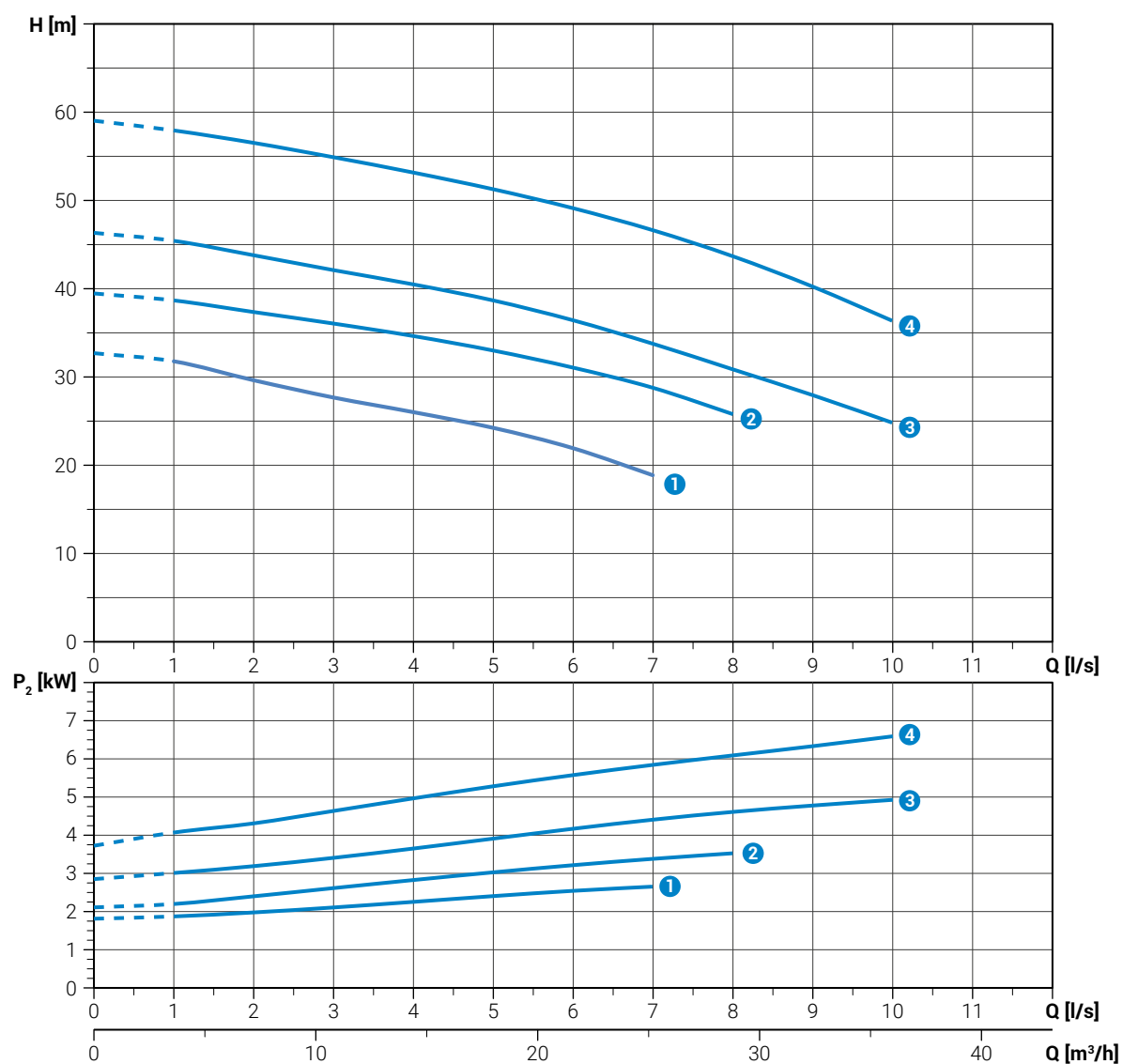
Construction materials

Case	Cast iron EN-GJL 250
Hydraulic parts	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Nuts and bolts	Stainless steel - Class A2-70
Standard gasket	Rubber - NBR
Shaft	Stainless steel - AISI 431
Paint type	Ecological bicomponent epoxy (~200 µm)
Cutter	-
Strainer	Stainless steel - AISI 304

APG 400÷1000/2/G50H

Performances

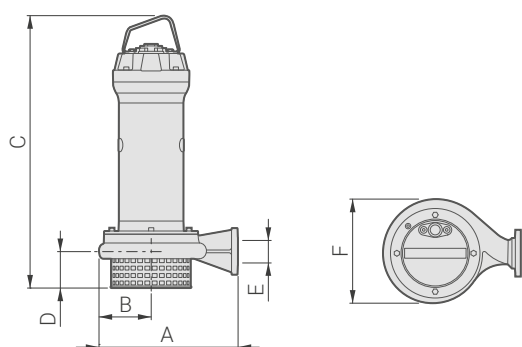
	l/s	0	1	2	3	4	5	6	7	8	9	10
	l/min	0	60	120	180	240	300	360	420	480	540	600
	m³/h	0	3.6	7.2	10.8	14.4	18	21.6	25.2	28.8	32.4	36
① APG 400/2/G50H C0ET6		32.7	31.8	29.6	27.7	26.0	24.2	21.9	18.9			
② APG 550/2/G50H C0FT6		39.6	38.8	37.5	36.2	34.7	33.1	31.1	28.8	25.8		
③ APG 750/2/G50H A0FT6		46.3	45.4	43.8	42.1	40.5	38.7	36.4	33.8	30.9	28.0	24.9
④ APG 1000/2/G50H A0FT6		59.0	57.9	56.5	54.9	53.1	51.2	49.1	46.6	43.6	40.2	36.3



Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① APG 400/2/G50H C0ET6	400/460	3~	3.6	3.0	6.4/5.6	2900	DOL	4G1.5+3x1	G2" DN32	8 mm
② APG 550/2/G50H C0FT6	400/460	3~	4.6	4.0	7.7/6.7	2900	DOL	4G1.5+3x1	G2" DN32	8 mm
③ APG 750/2/G50H A0FT6	400/460	3~	6.2	5.5	10.6/9.3	2900	DOL	4G1.5+3x1	G2" DN32	10 mm
④ APG 1000/2/G50H A0FT6	400/460	3~	8.4	7.5	13.7/11.9	2900	DOL	4G1.5+3x1	G2" DN32	10 mm

Overall dimensions and weights



	A	B	C	D	E	F		
APG 400/2/G50H C0ET6	305	110	600	79	G2"	225	DN32 PN6	46.0
APG 550/2/G50H C0FT6	305	110	656	79	G2"	225	DN32 PN6	57.6
APG 750/2/G50H A0FT6	352	133	670	76	G2"	263	DN32 PN6	60.3
APG 1000/2/G50H A0FT6	352	133	745	76	G2"	270	DN32 PN6	68.2

Dimensions in mm

Packaging dimension



	X	Y	Z
APG 400/2/G50H C0ET6	725	445	425
APG 550/2/G50H C0FT6	725	445	425
APG 750/2/G50H A0FT6	725	445	425
APG 1000/2/G50H A0FT6	915	535	560

Dimensions in mm



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