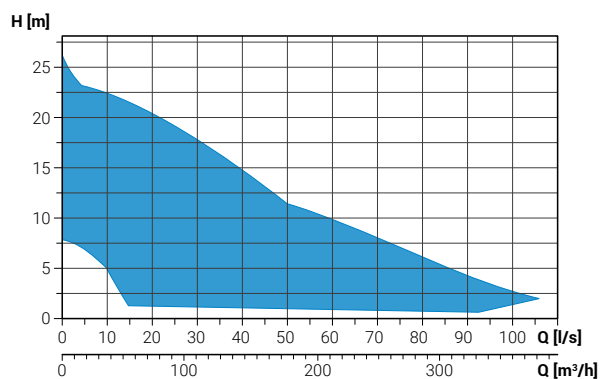


Pumps with vortex impeller

Operating ranges



Range characteristics

Motor power	1.1 ÷ 15.0 kW
Poles	2 / 4
Insulation class	H
Degree of protection	IP68
Discharge vertical	G 2½"
Discharge horizontal	DN65 ÷ DN150
Free passage	max 125 mm
Max flow rate	106.0 l/s
Max head	24.6 m

Motor

Ecological dry motor with thermal protections.

Cable

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

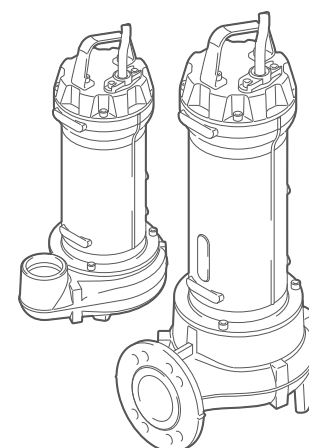
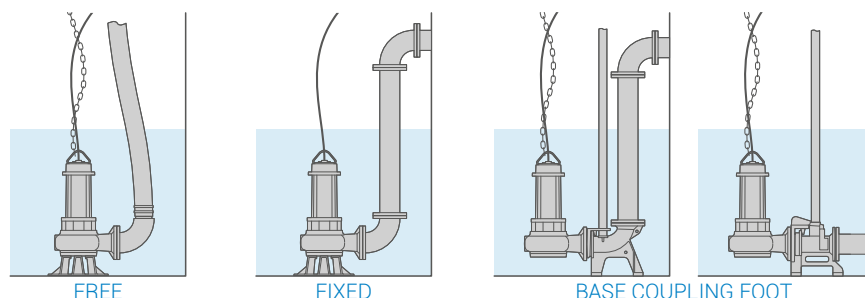
Mechanical seals

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.

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

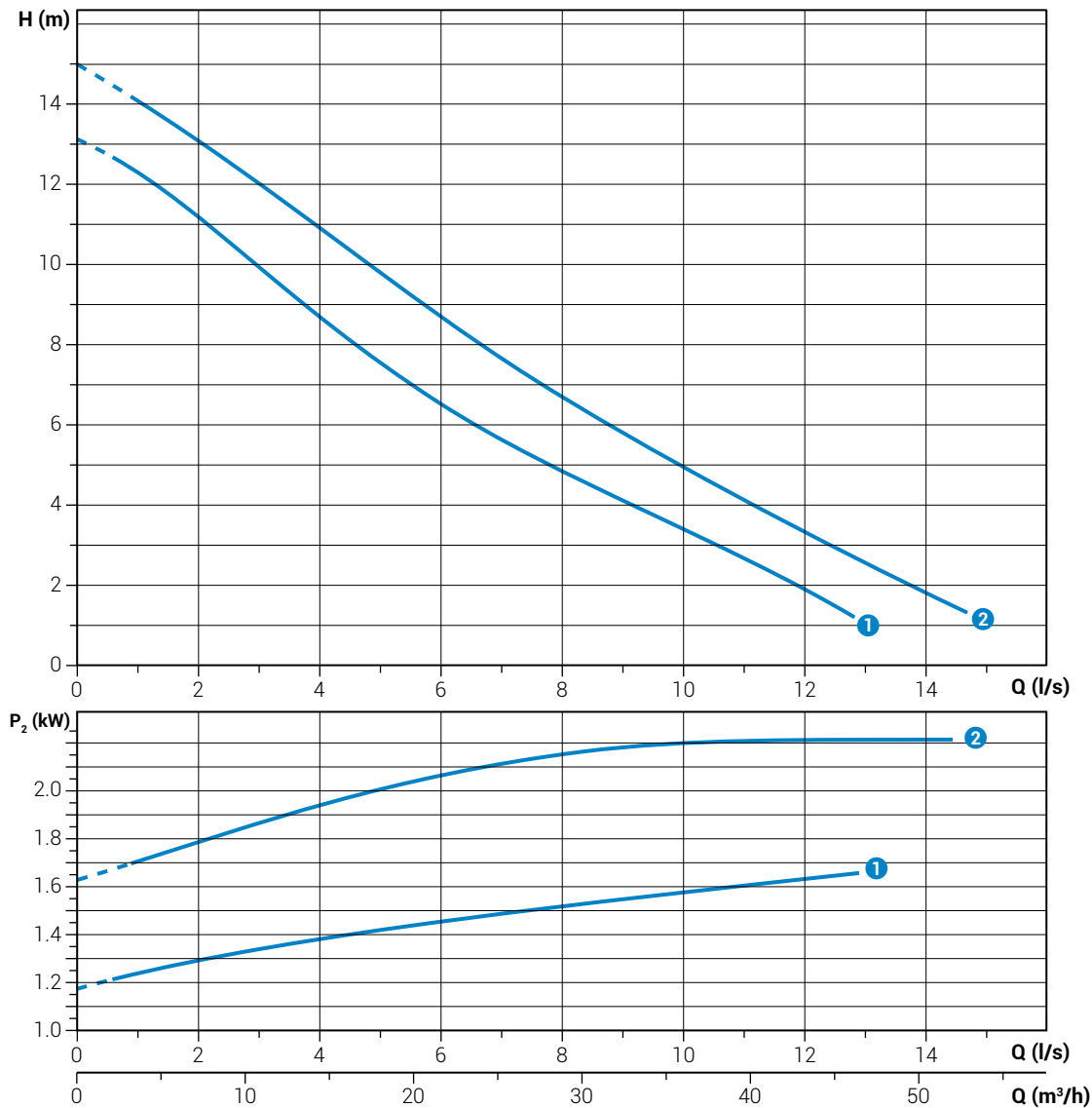
Case	Cast iron EN-GJL 250
Hydraulic parts	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Nuts and bolts	Stainless steel - Class A2-70
Standard gasket	Rubber - NBR
Shaft	Stainless steel - AISI 431
Paint type	Ecological bicomponent epoxy (~200 µm)
Cutter	-
Strainer	-

VORTEX IMPELLER

DGG 250÷300/2/G65V

Performances

	l/s	0	2	4	6	8	10	12	14
	l/min	0	120	240	360	480	600	720	840
	m³/h	0	7.2	14.4	21.6	28.8	36.0	43.2	50.4
①	DGG 250/2/G65V B0AT5	13.0	11.2	8.7	6.5	4.8	3.4	2.0	
②	DGG 300/2/G65V A0ET5	15.0	13.1	10.9	8.7	6.7	4.9	3.4	1.9



Characteristic curves according to UNI EN ISO 9906

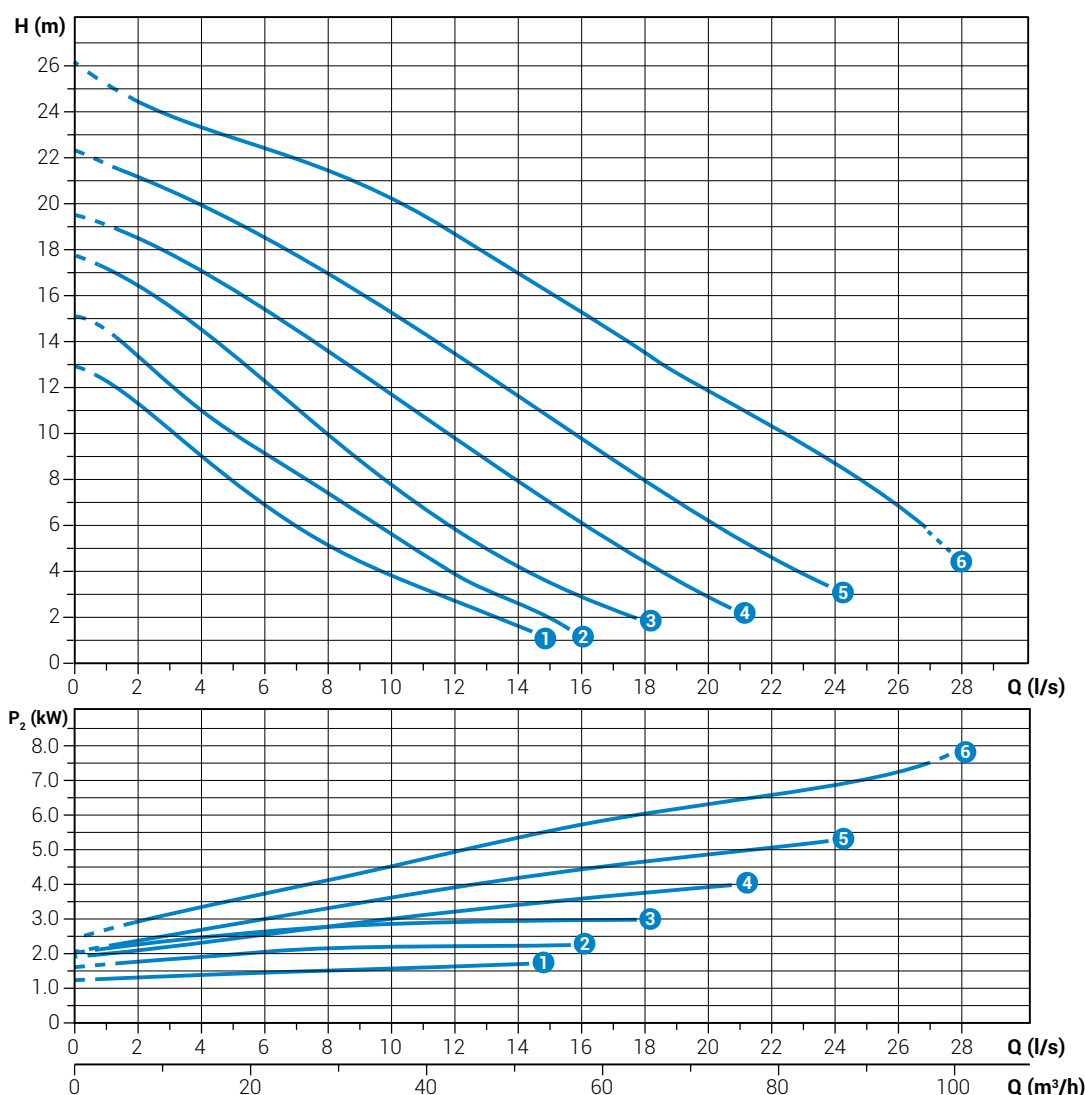
Technical data

		V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
①	DGG 250/2/G65V B0AT5	400	3~	2.2	1.8	3.7	2900	DOL	4G1	G 2½"	65 mm
②	DGG 300/2/G65V A0ET5	400	3~	2.8	2.2	4.6	2900	DOL	4G1.5+3x1	G 2½"	65 mm

DGG 250÷1000/2/65

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 250/2/65 B0AT5		13.0	11.3	9.0	6.9	5.2	3.8	2.7	1.6						
② DGG 300/2/65 C0ET5		15.1	13.4	11.0	9.1	7.4	5.6	3.9	2.6						
③ DGG 400/2/65 D0ET5		17.7	16.4	14.5	12.2	9.9	7.7	5.8	4.2	2.9					
④ DGG 550/2/65 A0FT5		19.5	18.4	17.0	15.4	13.6	11.7	9.8	7.9	6.1	4.4	2.9			
⑤ DGG 750/2/65 A0FT5		22.3	21.2	19.9	18.6	17.0	15.3	13.5	11.6	9.8	7.9	6.2	4.7		
⑥ DGG 1000/2/65 A0FT5		26.1	24.4	23.3	22.4	21.4	20.2	18.7	17.0	15.3	13.5	11.8	10.3	8.7	6.8



Characteristic curves according to UNI EN ISO 9906

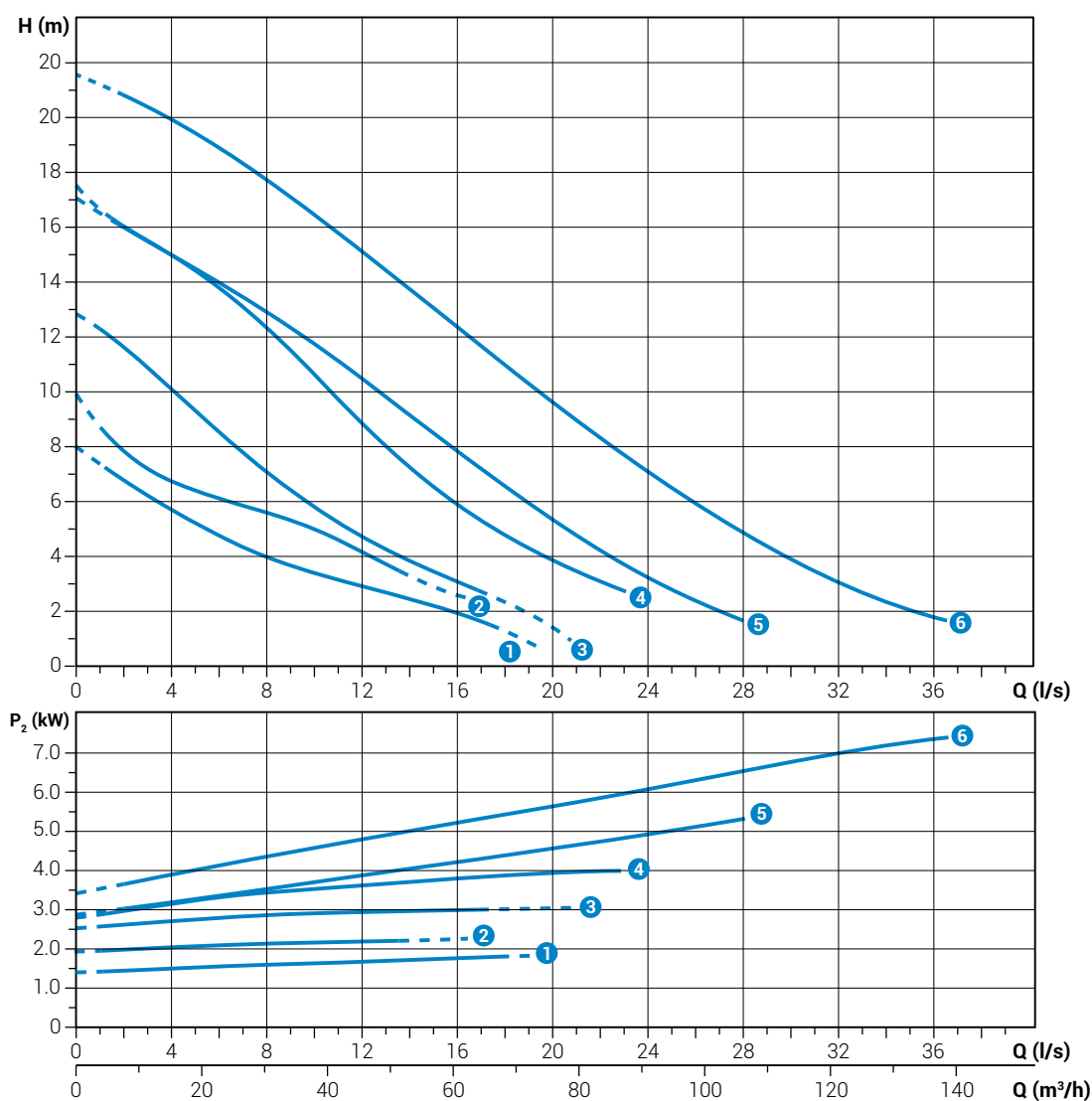
Technical data

	V	1~3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DGG 250/2/65 B0AT5	400	3~	2.2	1.8	3.7	2900	DOL	4G1	DN65	65 mm
② DGG 300/2/65 C0ET5	400	3~	2.8	2.2	4.6	2900	DOL	4G1.5+3x1	DN65	65 mm
③ DGG 400/2/65 D0ET5	400	3~	3.7	3.0	3.4	2900	DOL	4G1.5+3x1	DN65	65 mm
④ DGG 550/2/65 A0FT5	400	3~	4.7	4.0	7.7	2900	DOL	4G1.5+3x1	DN65	65 mm
⑤ DGG 750/2/65 A0FT5	400	3~	6.3	5.5	10.8	2900	DOL	4G1.5+3x1	DN65	65 mm
⑥ DGG 1000/2/65 A0FT5	400	3~	8.5	7.5	13.7	2900	DOL	4G1.5+3x1	DN65	65 mm

DGG 250÷1000/2/80

Performances

	l/s	0	4	8	12	16	20	24	28	32	36
	l/min	0	240	480	720	960	1200	1440	1680	1920	2160
	m³/h	0	14.4	28.8	43.2	57.6	72.0	86.4	100.8	115.2	129.6
① DGG 250/2/80 FOAT5		7.9	5.7	4.0	2.9	1.9					
② DGG 300/2/80 GOET5		9.7	6.7	5.6	4.2	2.6					
③ DGG 400/2/80 HOET5		12.8	10.1	7.1	4.7	3.1	1.4				
④ DGG 550/2/80 NOFT5		17.5	15.0	12.4	8.9	5.9	3.9				
⑤ DGG 750/2/80 AOFT5		17.1	15.1	12.9	10.5	7.8	5.3	3.2	1.7		
⑥ DGG 1000/2/80 AOFT5		21.6	20.0	17.7	15.1	12.4	9.6	7.1	4.8	3.0	1.8



Characteristic curves according to UNI EN ISO 9906

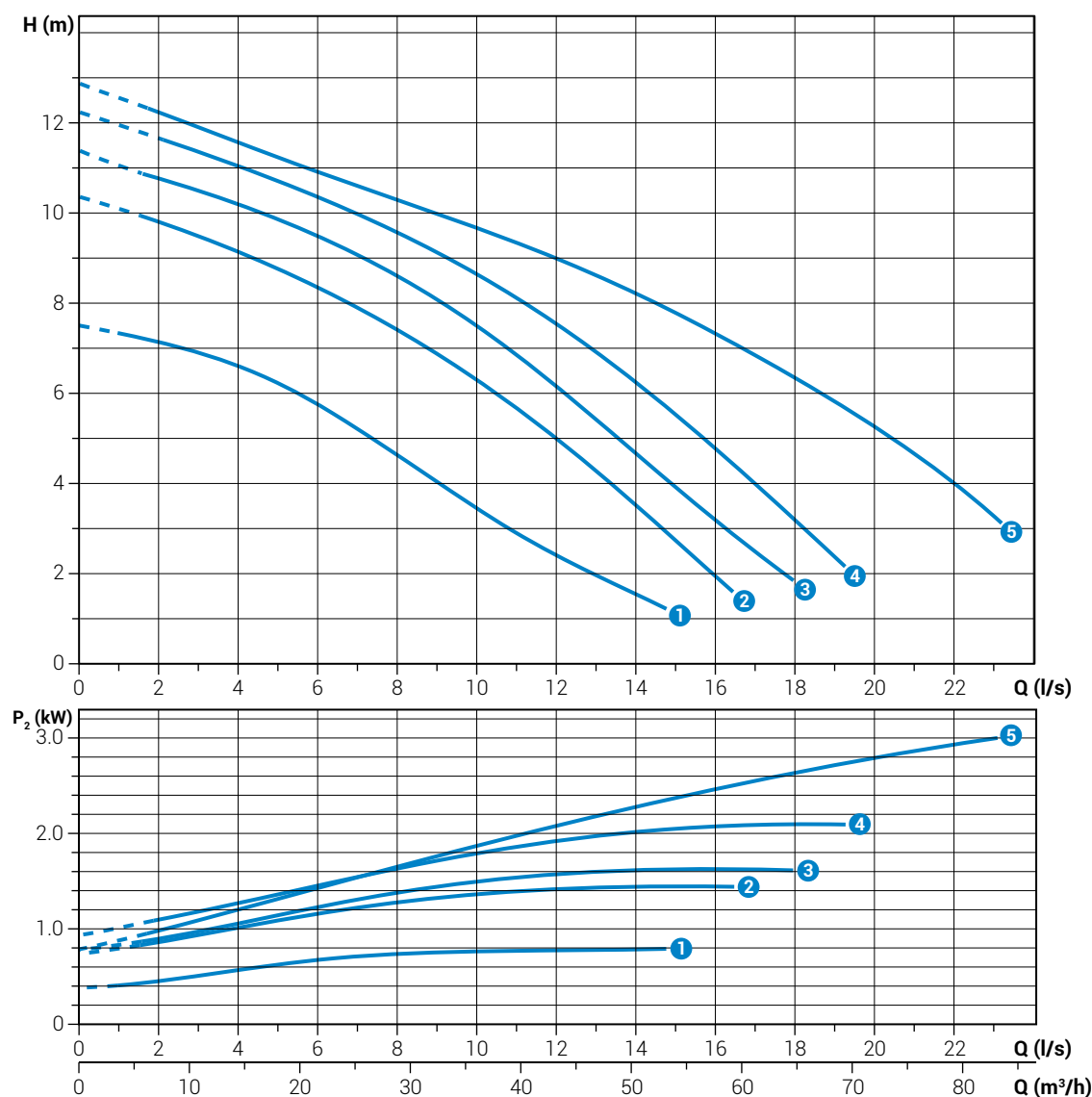
Technical data

	V	1~3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DGG 250/2/80 FOAT5	400	3~	2.2	1.8	3.7	2900	DOL	4G1	DN80	80 mm
② DGG 300/2/80 GOET5	400	3~	2.8	2.2	4.6	2900	DOL	4G1.5+3x1	DN80	80 mm
③ DGG 400/2/80 HOET5	400	3~	3.7	3.0	6.4	2900	DOL	4G1.5+3x1	DN80	80 mm
④ DGG 550/2/80 NOFT5	400	3~	4.7	4.0	7.7	2900	DOL	4G1.5+3x1	DN80	80 mm
⑤ DGG 750/2/80 AOFT5	400	3~	6.3	5.5	10.8	2900	DOL	4G1.5+3x1	DN80	80 mm
⑥ DGG 1000/2/80 AOFT5	400	3~	8.5	7.5	13.7	2900	DOL	4G1.5+3x1	DN80	80 mm

DGG 150÷400/4/65

Performances

	l/s	0	2	4	6	8	10	12	14	16	18	20	22
	l/min	0	120	240	360	480	600	720	840	960	1080	1200	1320
	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
① DGG 150/4/65 H0AT5		7.5	7.2	6.6	5.8	4.6	3.4	2.4	1.6				
② DGG 200/4/65 F0ET5		10.4	9.8	9.2	8.4	7.4	6.3	5.0	3.6	2.0			
③ DGG 250/4/65 F0ET5		11.3	10.8	10.2	9.5	8.6	7.5	6.2	4.7	3.2			
④ DGG 300/4/65 F0ET5		12.2	11.6	11.0	10.4	9.6	8.7	7.6	6.3	4.8	3.2		
⑤ DGG 400/4/65 G0ET5		12.8	12.2	11.5	10.9	10.3	9.7	9.0	8.2	7.3	6.3	5.3	4.0



Characteristic curves according to UNI EN ISO 9906

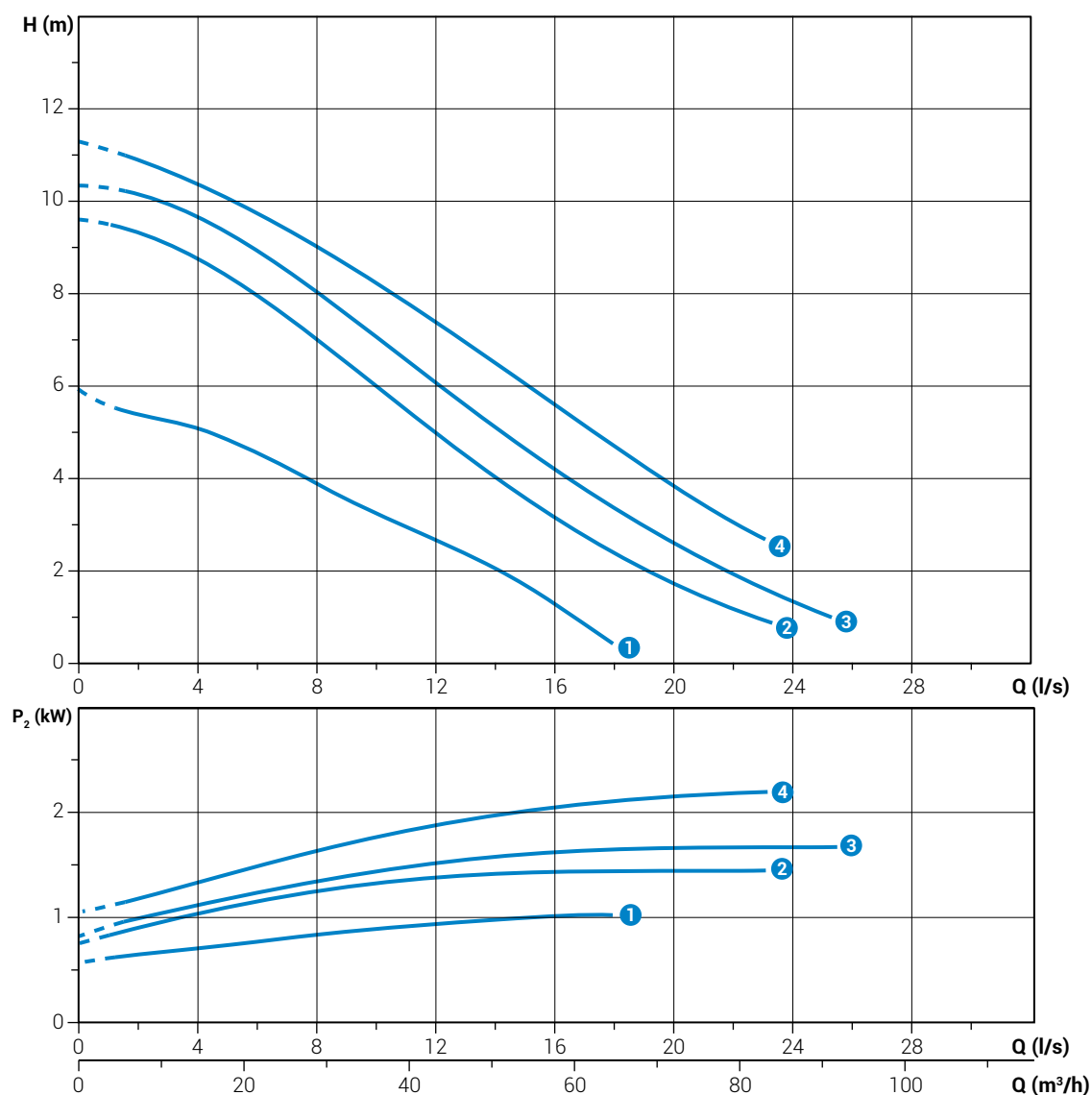
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DGG 150/4/65 H0AT5	400	3~	1.5	1.1	3.0	1450	DOL	4G1	DN65	45 mm
② DGG 200/4/65 F0ET5	400	3~	1.8	1.5	3.4	1450	DOL	4G1.5+3x1	DN65	65 mm
③ DGG 250/4/65 F0ET5	400	3~	2.2	1.8	4.3	1450	DOL	4G1.5+3x1	DN65	65 mm
④ DGG 300/4/65 F0ET5	400	3~	2.7	2.2	5.2	1450	DOL	4G1.5+3x1	DN65	65 mm
⑤ DGG 400/4/65 G0ET5	400	3~	3.7	3.0	6.7	1450	DOL	4G1.5+3x1	DN65	65 mm

DGG 150÷300/4/80

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 DGG 150/4/80 L0AT5		5.9	5.1	3.9	2.7	1.3		
② DGG 200/4/80 E0ET5		9.6	8.8	7.0	5.0	3.2	1.7	
③ DGG 250/4/80 E0ET5		10.4	9.7	8.1	6.1	4.2	2.6	1.3
④ DGG 300/4/80 E0ET5		11.3	10.4	9.0	7.4	5.6	3.8	



Characteristic curves according to UNI EN ISO 9906

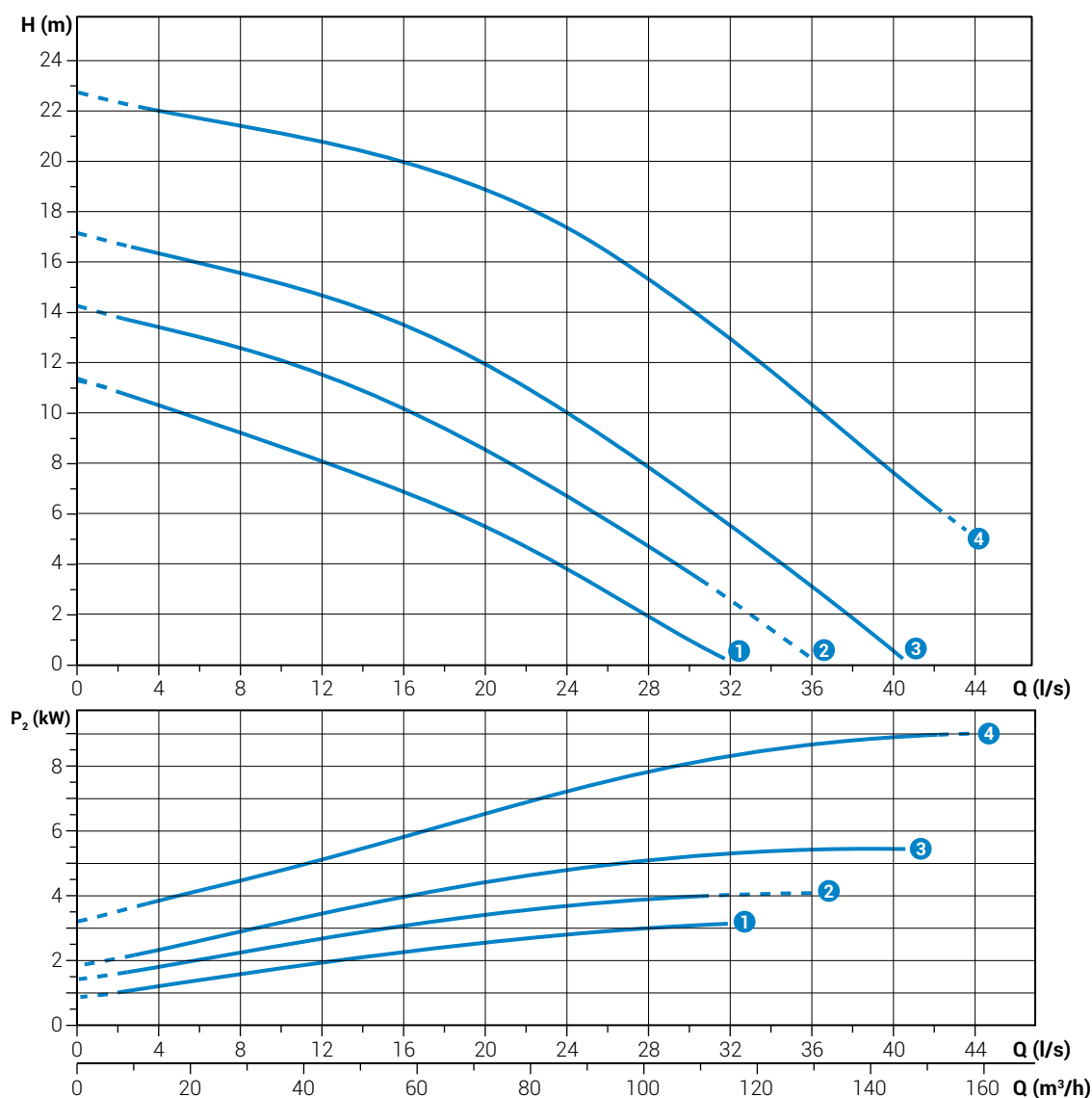
Technical data

	V	1~3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DGG 150/4/80 L0AT5	400	3~	1.5	1.1	3.0	1450	DOL	4G1	DN80	80 mm
② DGG 200/4/80 E0ET5	400	3~	1.8	1.5	3.4	1450	DOL	4G1.5+3x1	DN80	80 mm
③ DGG 250/4/80 E0ET5	400	3~	2.2	1.8	4.3	1450	DOL	4G1.5+3x1	DN80	80 mm
④ DGG 300/4/80 E0ET5	400	3~	2.7	2.2	5.2	1450	DOL	4G1.5+3x1	DN80	80 mm

DGG 400÷1200/4/80

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
① DGG 400/4/80 M0ET5		11.4	10.3	9.2	8.1	6.9	5.5	3.8	1.9			
② DGG 550/4/80 D0FT5		14.4	13.5	12.7	11.6	10.2	8.6	6.7	4.7			
③ DGG 750/4/80 D0FT5		17.2	16.4	15.6	14.7	13.5	12.0	10.0	7.8	5.5	3.1	0.6
④ DGG 1200/4/80 D0HT5		22.8	22.0	21.4	20.8	20.0	18.9	17.3	15.4	13.0	10.4	7.7



Characteristic curves according to UNI EN ISO 9906

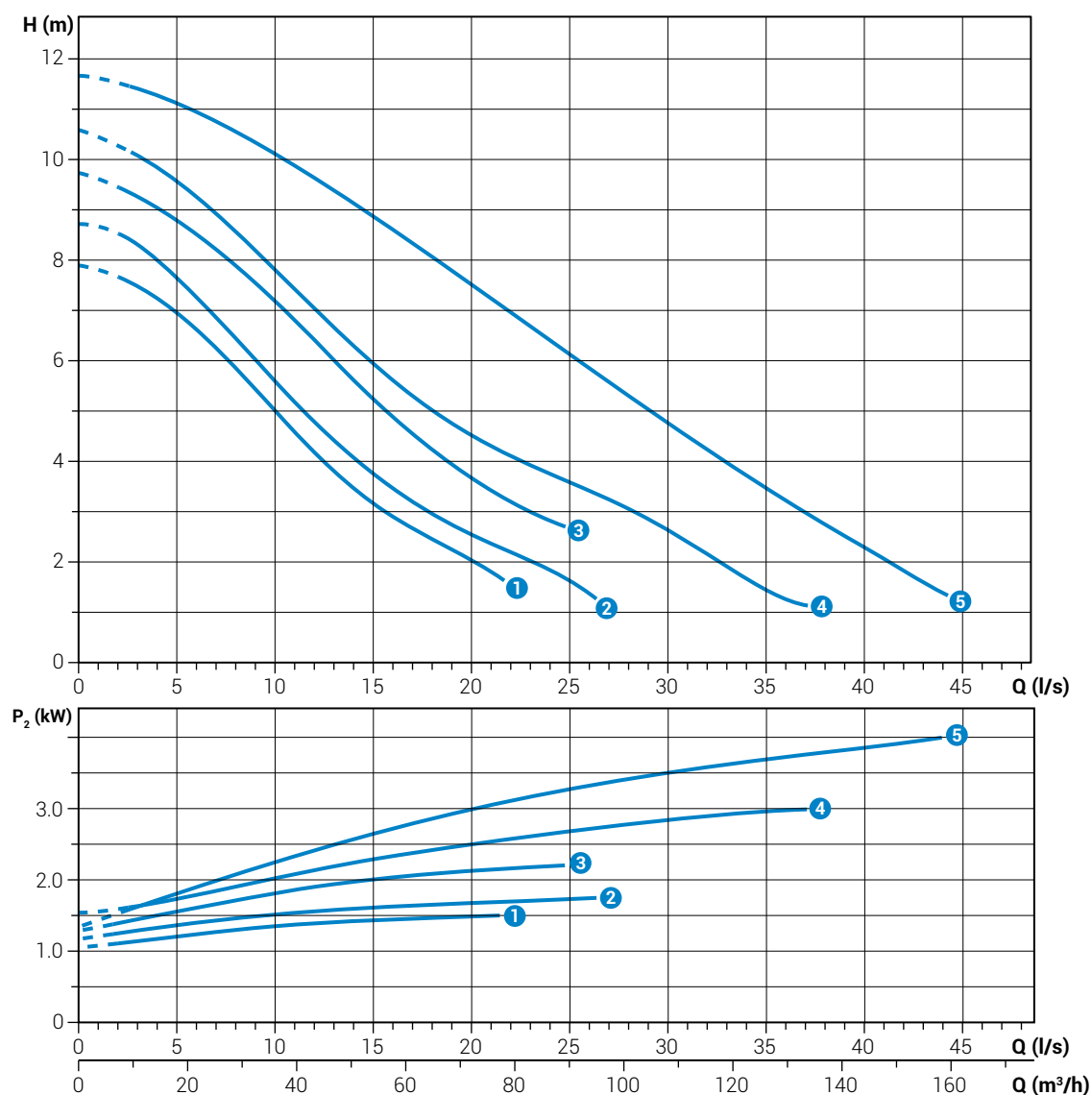
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DGG 400/4/80 M0ET5	400	3~	3.7	3.0	6.7	1450	DOL	4G1.5+3x1	DN80	80 mm
② DGG 550/4/80 D0FT5	400	3~	4.6	4.0	8.4	1450	DOL	4G1.5+3x1	DN80	60 mm
③ DGG 750/4/80 D0FT5	400	3~	6.4	5.5	11.8	1450	DOL	4G1.5+3x1	DN80	60 mm
④ DGG 1200/4/80 D0HT5	400	3~	10.2	9.0	17.0	1450	Y/Δ	7G1.5+3x1	DN80	60 mm

DGG 200÷550/4/100

Performances

	l/s	0	4	8	12	16	20	24	28	32	36	40	44
	l/min	0	240	480	720	960	1200	1440	1680	1920	2160	2400	2640
	m³/h	0	14.4	28.8	43.2	57.6	72	86.4	100.8	115.2	129.6	144	158.4
① DGG 200/4/100 E0ET5		7.9	7.2	5.8	4.2	2.9	2.1						
② DGG 250/4/100 E0ET5		8.7	8.0	6.4	4.8	3.5	2.6	1.8					
③ DGG 300/4/100 E0ET5		9.7	9.1	7.9	6.4	4.9	3.7	2.9					
④ DGG 400/4/100 D0ET5		10.6	9.8	8.6	7.0	5.6	4.5	3.8	3.1	2.2	1.3		
⑤ DGG 550/4/100 G0FT5		11.7	11.3	10.6	9.7	8.6	7.6	6.4	5.3	4.2	3.2	2.3	1.4



Characteristic curves according to UNI EN ISO 9906

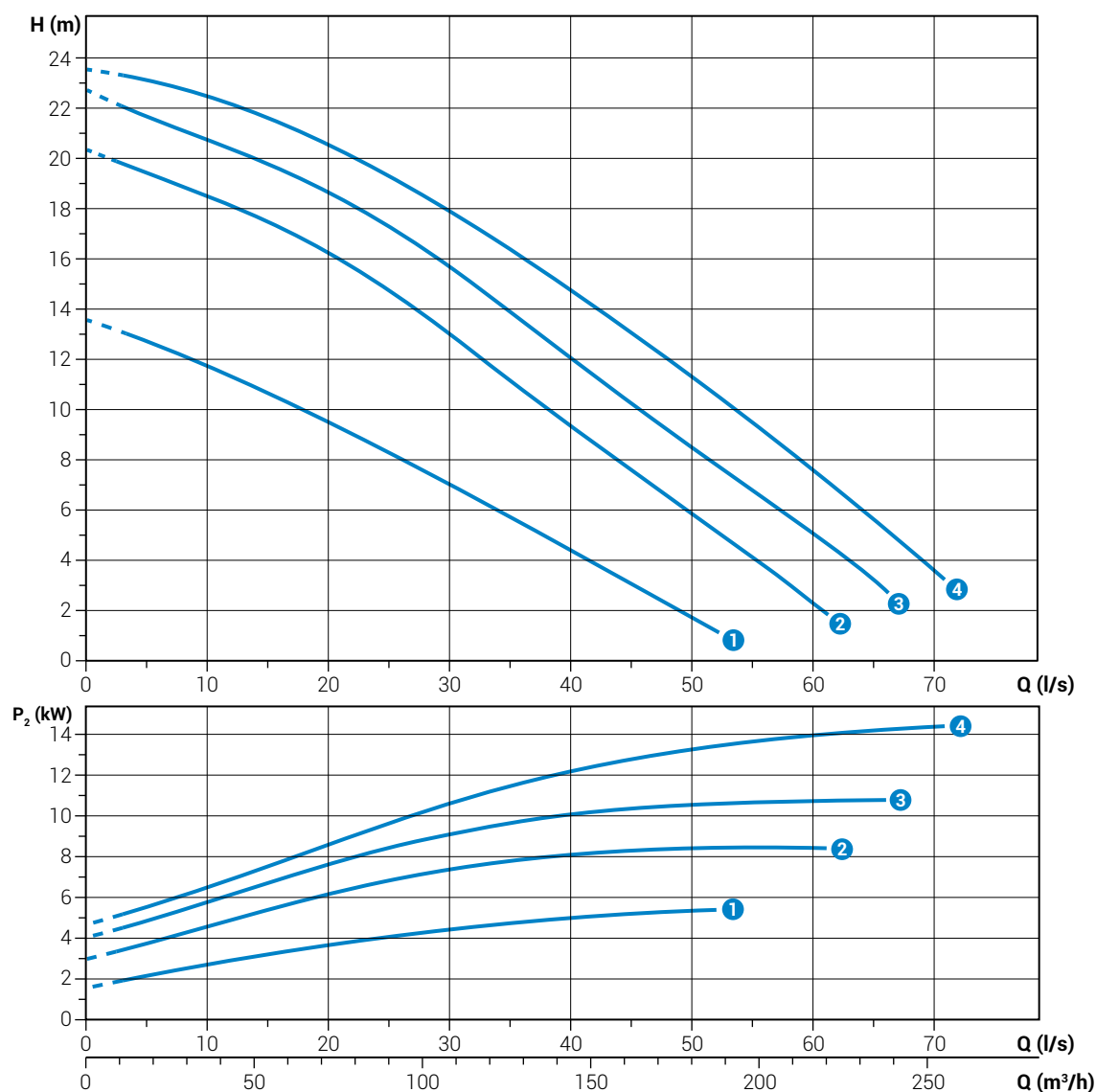
Technical data

	V	1~3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DGG 200/4/100 E0ET5	400	3~	1.84	1.5	3.4	1450	DOL	4G1.5+3x1	DN100	100 mm
② DGG 250/4/100 E0ET5	400	3~	2.22	1.8	4.3	1450	DOL	4G1.5+3x1	DN100	100 mm
③ DGG 300/4/100 E0ET5	400	3~	2.7	2.2	5.15	1450	DOL	4G1.5+3x1	DN100	100 mm
④ DGG 400/4/100 D0ET5	400	3~	3.68	3.0	6.7	1450	DOL	4G1.5+3x1	DN100	100 mm
⑤ DGG 550/4/100 G0FT5	400	3~	4.62	4.0	8.4	1450	DOL	4G1.5+3x1	DN100	80 mm

DGG 750÷2000/4/100

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 G0FT5		13.5	12.1	10.4	8.5	6.6	4.4	2.3		
② DGG 1200/4/100 B0HT5		20.3	18.8	17.2	15.0	12.3	9.3	6.5	3.8	
③ DGG 1500/4/100 B0HT5		22.7	21.1	19.6	17.6	15.0	12.1	9.2	6.4	3.6
④ DGG 2000/4/100 B0HT5		23.5	22.8	21.4	19.5	17.3	14.8	12.1	9.1	6.0



Characteristic curves according to UNI EN ISO 9906

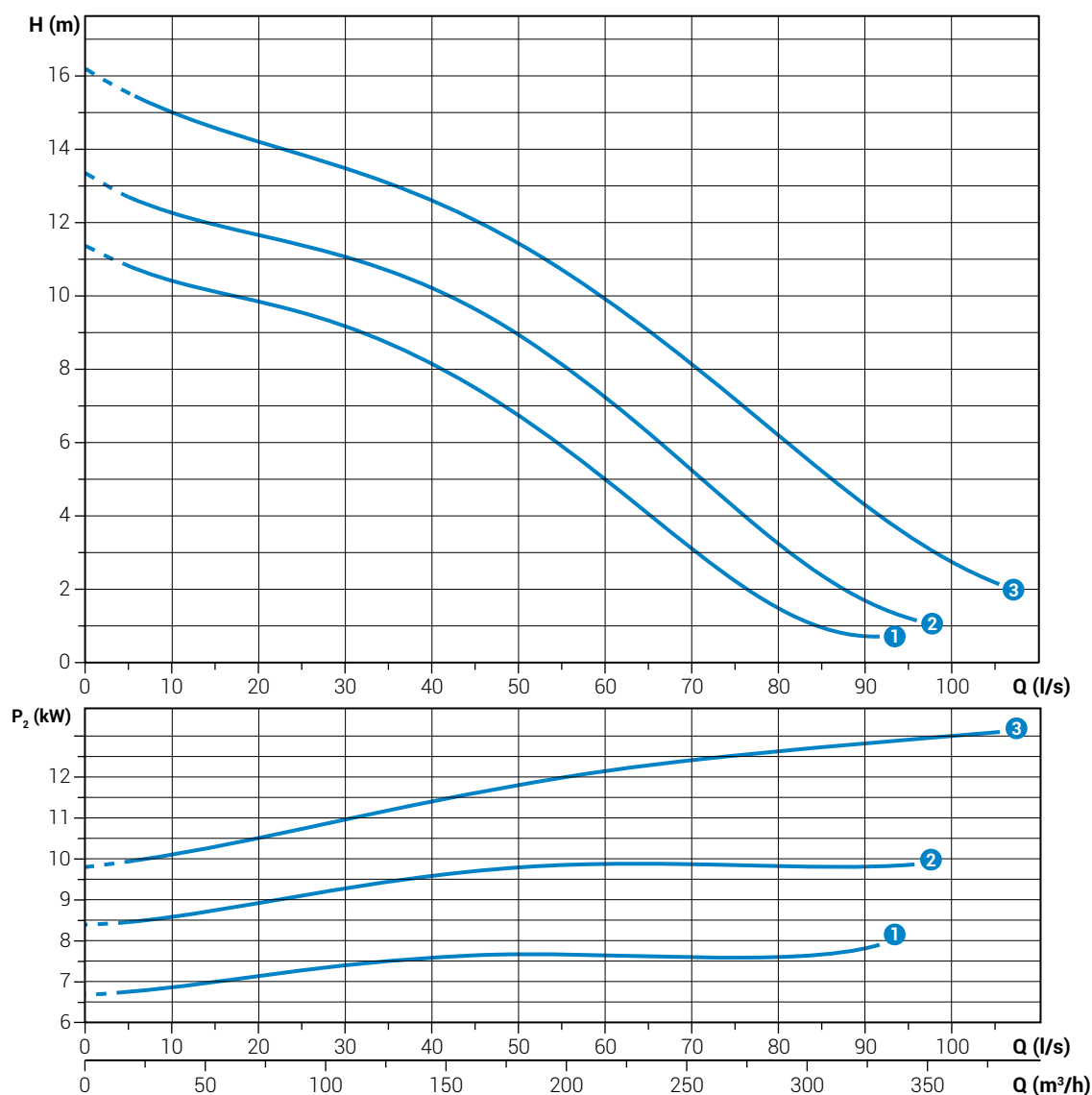
Technical data

	V	1~ 3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DGG 750/4/100 G0FT5	400	3~	6.4	5.5	11.8	1450	DOL	4G1.5+3x1	DN100	80 mm
② DGG 1200/4/100 B0HT5	400	3~	10.2	9.0	17.0	1450	Y/Δ	7G1.5+3x1	DN100	100 mm
③ DGG 1500/4/100 B0HT5	400	3~	12.6	11.0	20.5	1450	Y/Δ	7G1.5+3x1	DN100	100 mm
④ DGG 2000/4/100 B0HT5	400	3~	16.7	15.0	30.8	1450	Y/Δ	7G1.5+3x1	DN100	100 mm

DGG 1200÷2000/4/150

Performances

	l/s	0	8	16	24	32	40	48	56	64	72	80	88	96	104
	l/min	0	480	960	1440	1920	2400	2880	3360	3840	4320	4800	5280	5760	6240
	m³/h	0	28.8	57.6	86.4	115.2	144	172.8	201.6	230.4	259.2	288	316.8	345.6	374.4
① DGG 1200/4/150 A0HT5		11.3	10.6	10.1	9.6	9.0	8.2	7.1	5.7	4.2	2.7	1.5	0.8		
② DGG 1500/4/150 A0HT5		13.3	12.4	11.8	11.4	10.9	10.2	9.2	8.0	6.5	4.8	3.3	1.9		
⑤ DGG 2000/4/150 A0HT5		16.2	15.2	14.5	13.9	13.3	12.6	11.7	10.6	9.2	7.7	6.2	4.6	3.3	2.3

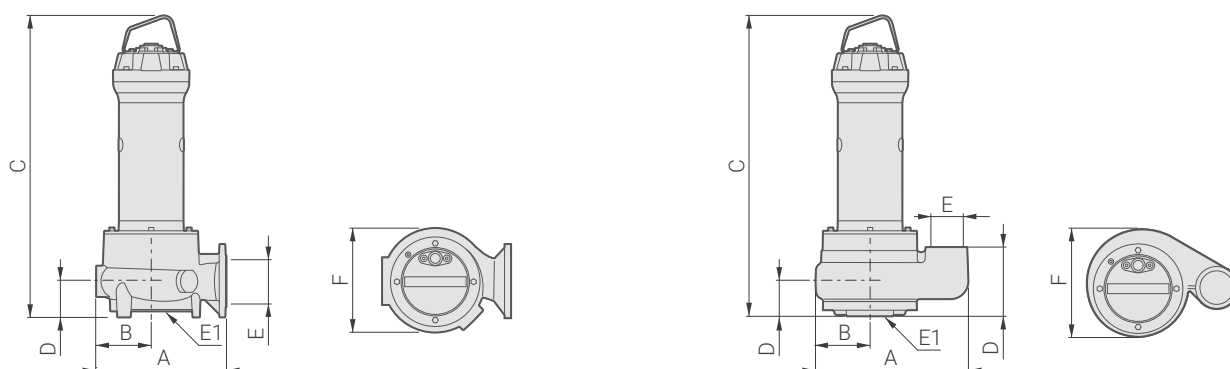


Technical data

	V	1~3~	P ₁ [kW]	P ₂ [kW]	A	Rpm	DOL Y/Δ			
① DGG 1200/4/150 A0HT5	400	3~	10.2	9.0	17.0	1450	Y/Δ	7G1.5+3x1	DN150	125 mm
② DGG 1500/4/150 A0HT5	400	3~	12.6	11.0	20.5	1450	Y/Δ	7G1.5+3x1	DN150	125 mm
⑤ DGG 2000/4/150 A0HT5	400	3~	16.7	15.0	30.8	1450	Y/Δ	7G2.5+3x1	DN150	125 mm

DGG

Overall dimensions and weights



	A	B	C	D	E	E1	F	kg
DGG 250/2/G65V B0AT5	311	109	553	133	G2½"	65	219	35.0
DGG 300/2/G65V A0ET5	311	109	576	133	G2½"	65	219	44.2

	A	B	C	D	E	E1	F		kg
DGG 250/2/65 B0AT5	301	119	553	70	65	65	218	DN65 PN10-16	37.0
DGG 300/2/65 C0ET5	301	119	576	70	65	65	218	DN65 PN10-16	46.2
DGG 400/2/65 D0ET5	301	119	626	70	65	65	218	DN65 PN10-16	50
DGG 550/2/65 A0FT5	301	119	733	90	65	65	222	DN65 PN10-16	71.2
DGG 750/2/65 A0FT5	301	119	733	90	65	65	222	DN65 PN10-16	73.9
DGG 1000/2/65 A0FT5	301	119	808	90	65	65	222	DN65 PN10-16	81.8
DGG 250/2/80 F0AT5	312	120	580	80	80	80	236	DN80 PN10-16	35.0
DGG 300/2/80 G0ET5	312	120	602	80	80	80	236	DN80 PN10-16	44.2
DGG 400/2/80 H0ET5	312	120	652	80	80	80	236	DN80 PN10-16	47.0
DGG 550/2/80 N0FT5	313	125	762	92	80	80	251	DN80 PN10-16	71.6
DGG 750/2/80 A0FT5	313	125	762	92	80	80	251	DN80 PN10-16	74.3
DGG 1000/2/80 A0FT5	313	125	837	92	80	80	251	DN80 PN10-16	82.2
DGG 150/4/65 H0AT5	322	129	575	80	65	65	249	DN65 PN10-16	39.0
DGG 200/4/65 F0ET5	395	158	606	70	65	65	308	DN65 PN10-16	55.2
DGG 250/4/65 F0ET5	395	158	656	70	65	65	308	DN65 PN10-16	58.1
DGG 300/4/65 F0ET5	395	158	656	70	65	65	308	DN65 PN10-16	58.2
DGG 400/4/65 G0ET5	395	158	656	70	65	65	308	DN65 PN10-16	59.8
DGG 150/4/80 L0AT5	317	127	580	80	80	80	246	DN80 PN10-16	39.0
DGG 200/4/80 E0ET5	389	156	624	80	80	80	306	DN80 PN10-16	55.2
DGG 250/4/80 E0ET5	389	156	674	80	80	80	306	DN80 PN10-16	58.1
DGG 300/4/80 E0ET5	389	156	674	80	80	80	306	DN80 PN10-16	58.2
DGG 400/4/80 M0ET5	389	156	674	80	80	80	306	DN80 PN10-16	59.8
DGG 550/4/80 D0FT5	484	194	820	80	80	80	374	DN80 PN10-16	97.0
DGG 750/4/80 D0FT5	484	194	820	80	80	80	374	DN80 PN10-16	97.2
DGG 1200/4/80 D0HT5	484	194	968	80	80	80	374	DN80 PN10-16	170.0
DGG 200/4/100 E0ET5	410	158	645	91	100	100	305	DN100 PN10-16	58.2
DGG 250/4/100 E0ET5	410	158	695	91	100	100	305	DN100 PN10-16	61.1

DGG

	A	B	C	D	E	E1	F		
DGG 300/4/100 E0ET5	410	158	695	91	100	100	305	DN100 PN10-16	61.2
DGG 400/4/100 D0ET5	410	158	695	91	100	100	305	DN100 PN10-16	62.8
DGG 550/4/100 G0FT5	408	158	826	91	100	100	305	DN100 PN10-16	83.0
DGG 750/4/100 G0FT5	408	158	826	91	100	100	305	DN100 PN10-16	83.2
DGG 1200/4/100 B0HT5	496	190	1032	110	100	100	373	DN100 PN10-16	177.2
DGG 1500/4/100 B0HT5	496	190	1032	110	100	100	373	DN100 PN10-16	177.2
DGG 2000/4/100 B0HT5	496	190	1122	110	100	100	373	DN100 PN10-16	189.2
DGG 1200/4/150 A0HT5	612	222	985	130	150	150	447	DN150 PN10-16	212.0
DGG 1500/4/150 A0HT5	612	222	985	130	150	150	447	DN150 PN10-16	212.0
DGG 2000/4/150 A0HT5	612	222	1075	130	150	150	447	DN150 PN10-16	224.0

Dimensions in mm

Packaging dimension

	X	Y	Z
DGG 250/2/G65V B0AT5	445	725	425
DGG 300/2/G65V C0ET5	445	725	425
DGG 250/2/65 B0AT5	445	725	425
DGG 300/2/65 C0ET5	445	725	425
DGG 400/2/65 D0ET5	445	725	425
DGG 550/2/65 A0FT5	535	915	560
DGG 750/2/65 A0FT5	535	915	560
DGG 1000/2/65 A0FT5	535	915	560
DGG 250/2/80 F0AT5	445	725	425
DGG 300/2/80 G0ET5	445	725	425
DGG 400/2/80 H0ET5	445	725	425
DGG 550/2/80 N0FT5	535	915	560
DGG 750/2/80 A0FT5	535	915	560
DGG 1000/2/80 A0FT5	535	915	560
DGG 150/4/65 H0AT5	445	725	425
DGG 200/4/65 F0ET5	445	725	425
DGG 250/4/65 F0ET5	445	725	425
DGG 300/4/65 F0ET5	445	725	425
DGG 400/4/65 G0ET5	445	725	425
DGG 150/4/80 L0AT5	445	725	425
DGG 200/4/80 E0ET5	445	725	425
DGG 250/4/80 E0ET5	445	725	425
DGG 300/4/80 E0ET5	445	725	425
DGG 400/4/80 M0ET5	445	725	425
DGG 550/4/80 D0FT5	535	915	560
DGG 750/4/80 D0FT5	535	915	560
DGG 1200/4/80 D0HT5	535	1000	560
DGG 200/4/100 E0ET5	445	725	425
DGG 250/4/100 E0ET5	445	725	425

	X	Y	Z
DGG 300/4/100 E0ET5	445	725	425
DGG 400/4/100 D0ET5	445	725	425
DGG 550/4/100 G0FT5	535	915	560
DGG 750/4/100 G0FT5	535	915	560
DGG 1200/4/100 B0HT5	725	1270	675
DGG 1500/4/100 B0HT5	725	1270	675
DGG 2000/4/100 B0HT5	725	1270	675
DGG 1200/4/150 A0HT5	725	1270	675
DGG 1500/4/150 A0HT5	725	1270	675
DGG 2000/4/150 A0HT5	725	1270	675

Dimensions in mm