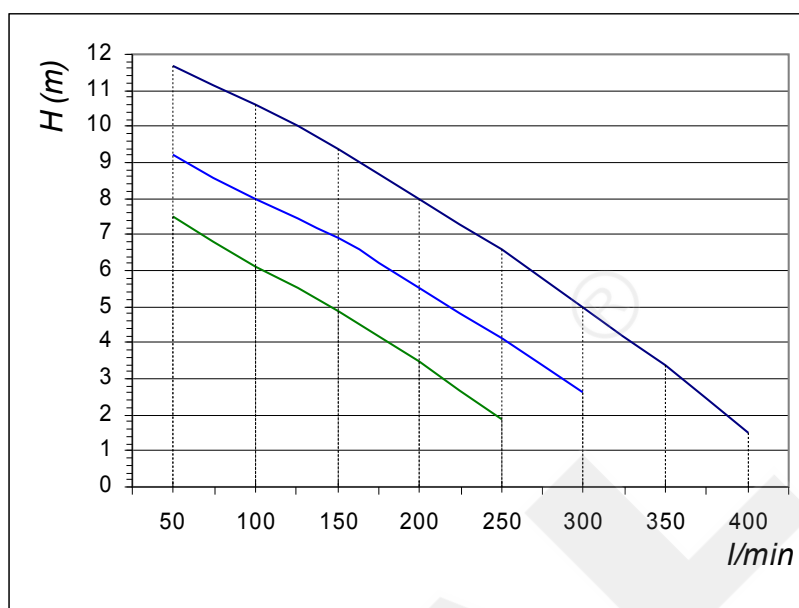




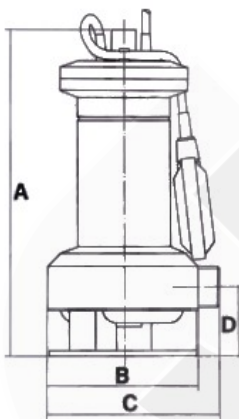
PUMPS FOR WASTEWATER



Submersible Pump - Wastewater



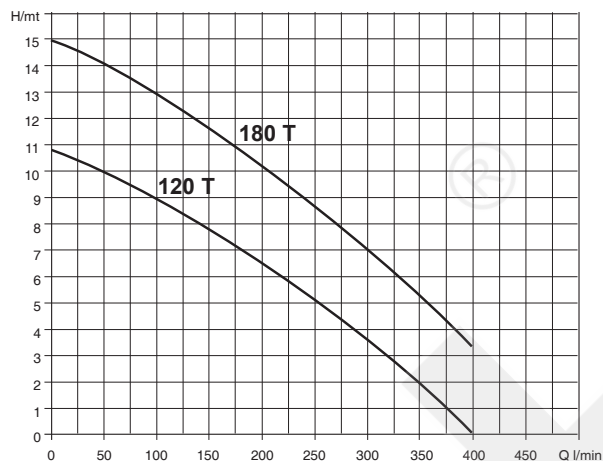
Type	Motor		A		Cap.		DNM	Q	Flow rate								
	CV	kW	230V	400V	uF	V			m³/h	3	6	9	12	15	18	24	27
									l/1'	50	100	150	200	250	300	350	400
AR 80	0,8	0,6	3	1,2	14	450	1" ½	H(m)	7,5	6,1	4,9	3,5	1,9				
AR 100	1	0,75	4,5	1,9	20	450	1" ½		9,2	8	6,9	5,5	4,1	2,6			
AR 150	1,5	1,1	6,8	2,9	25	450	1" ½		11,7	10,6	9,4	8	6,6	5	3,4	1,5	



A	B	C	D	kg
355	182	207	86	8,3
395	182	207	86	9,5
395	182	207	86	10,5

Code	Model	kW	CV	V	Head		Flow rate	
					metros		l / h	
1013200080	AR 80 AUT.	0,6	0,8	230	7,5	1,9	3.000	15.000
1013200100	AR 100 AUT.	0,75	1	230	9,2	2,6	3.000	15.000
1013200150	AR 150 AUT.	1,1	1,5	230	13 max.		24.000 max.	
1013200083	AR 80 MAN.	0,73	1	400	7,5	1,9	3.000	15.000
1013200103	AR 100 MAN.	1	1,3	400	9,2	2,6	3.000	15.000
1013200153	AR 150 MAN.	1,5	2	400	13 max.		24.000 max.	

Submersible Pump - with grinder



Type	Motor			Current		uF	DNM	Q	Flow rate								
	CV	kW	kW ¹	230V	400V				m ³ /h	3	6	9	12	15	18	21	24
									l/min	50	100	150	200	250	300	350	400
120 T	1,2	0,9	1,6	7,1	3,6	35	2"	H(m)	10	9	8	6,5	5	3,5	1,6	0	
180 T	1,8	1,3	2,1	9,2	4,2	40	2"	H(m)	14	12,8	11,7	10	8,8	7	5,3	3,3	

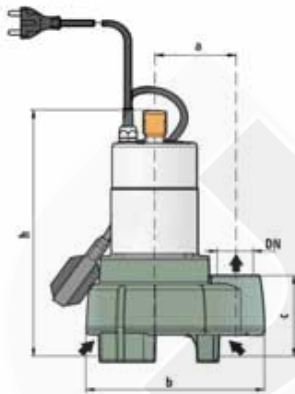
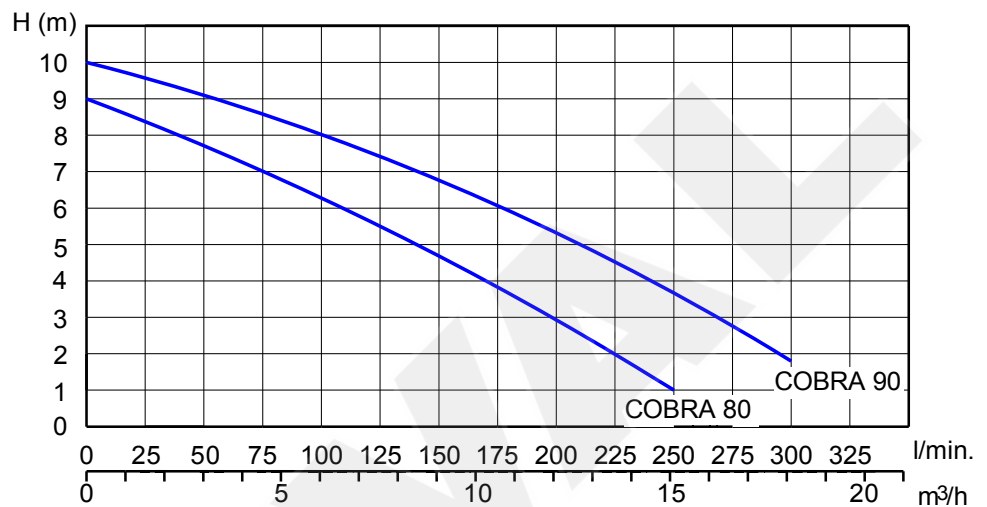


A	B	C	D	kg
431	170	310	150	25,5
446	170	310	150	27,5

Code	Model	kW	CV	V	Head		Flow rate	
					m	l/h		
1013100121	PVM 120 TR	0,9	1,2	230	10	3,5	3.000	18.000
1013100120	PVM 120 TR AUT.	0,9	1,2	230	10	3,5	3.000	18.000
1013100181	PVM 180 TR	1,3	1,8	230	14	3,3	3.000	24.000
1013100180	PVM 180 TR AUT.	1,3	1,8	230	14	3,3	3.000	24.000
1013110120	PVT 120 TR	0,9	1,2	400	10	3,5	3.000	18.000
1013110180	PVT 180 TR	1,3	1,8	400	14	3,3	3.000	24.000

Submersible Pump - Vortex

Models	
COBRA	80 M
	90 M



	h	b	a	c	DN
80 M	345	215	100	120	1" ½
90M					

Code	Model	CV	V	A	Cap.		Head		Flow rate	
					uF	V	m		l / h	
1013240080	Cobra 80 M	0,75	230	3,1	12,5	450	7,5	2	3.000	13.200
1013240090	Cobra 90 M	0,85	230	4,2	14	450	8,5	2	3.000	16.500

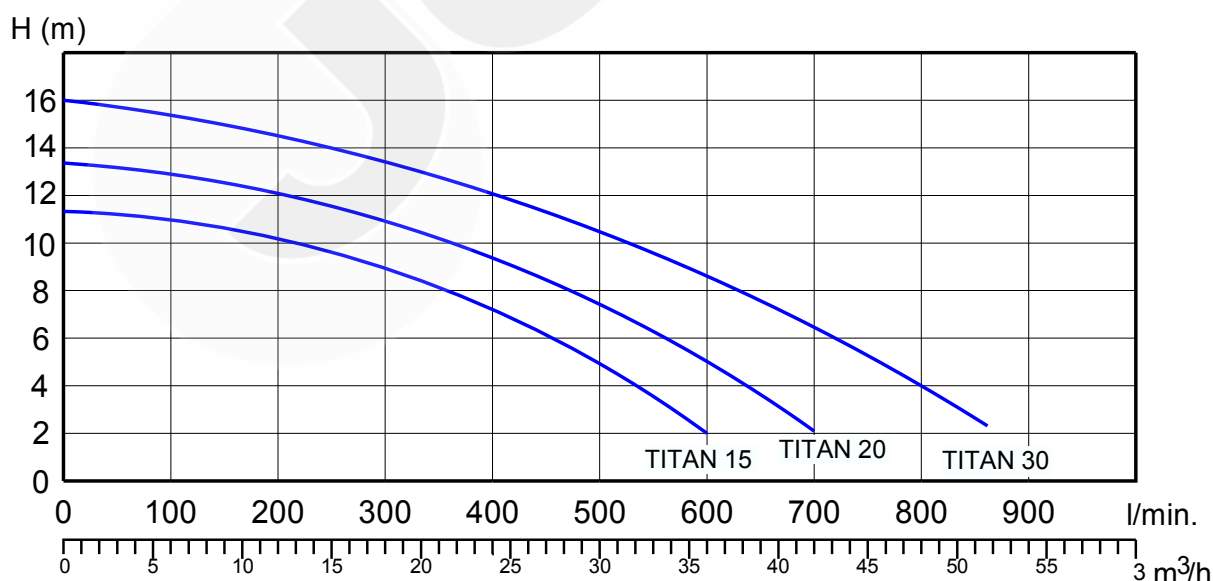
Submersible Pump - Vortex

TITAN



Code	Model	CV	V	A	Head		Flow rate	
					m		l / h	
1013200015	Titan 15 M	1,5	230	8,8	11	2	6.000	39.000
1013200020	Titan 20 M	2	230	11,5	12	2	9.000	45.000
1013210015	Titan 15 T	1,5	400	3	11	2	6.000	39.000
1013210020	Titan 20 T	2	400	4	12	2	9.000	45.000
1013210030	Titan 30 T	3	400	5,5	16	2	7.500	54.000
1013220015	Titan 15 PM	1,5	230	8,8	11	2	6.000	39.000
1013220020	Titan 20 PM	2	230	11,5	12	2	9.000	45.000
1013230015	Titan 15 PT	1,5	400	3	11	2	6.000	39.000
1013230020	Titan 20 PT	2	400	4	12	2	9.000	45.000
1013230030	Titan 30 PT	3	400	5,5	16	2	7.500	54.000

P version – fixed, with fixing and guiding accessories



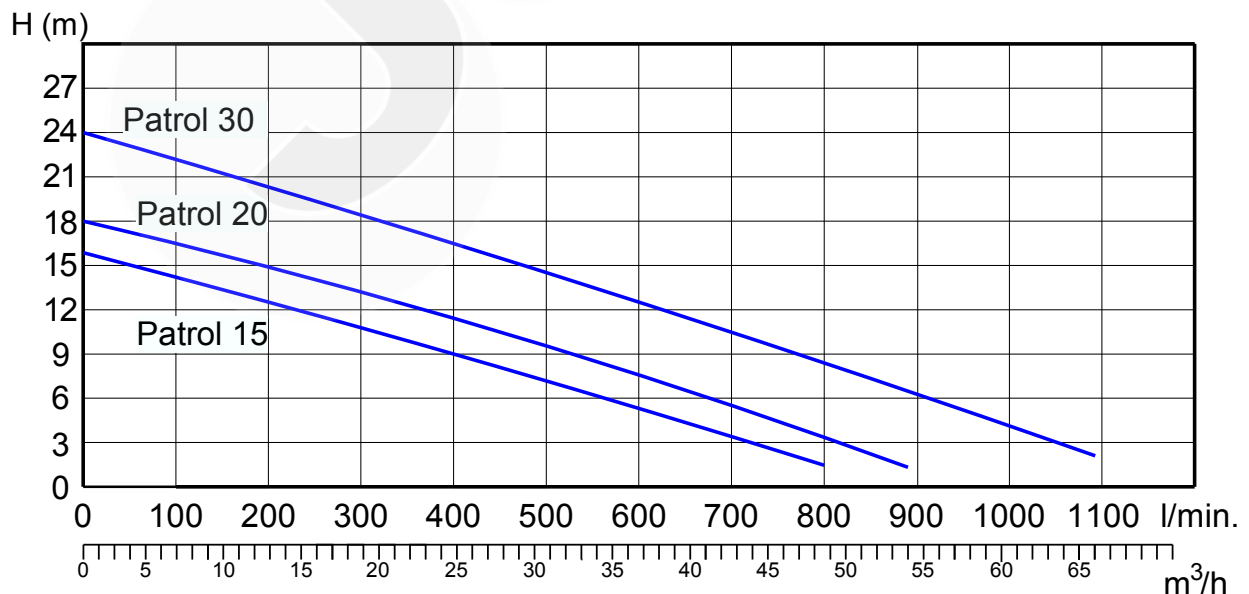
Submersible Pump - Single channel

PATROL



Code	Model	CV	V	A	Head		Flow rate	
					m		l/h	
1013400015	Patrol 15 M	1,5	230	8,8	14	1	6.000	48.000
1013400020	Patrol 20 M	2	230	11,5	16	1	6.000	54.000
1013410015	Patrol 15 T	1,5	400	3	14	1	6.000	48.000
1013410020	Patrol 20 T	2	400	4	16	1	6.000	54.000
1013410030	Patrol 30 T	3	400	5,5	22	2	6.000	66.000
1013420015	Patrol 15 PM	1,5	230	8,8	14	1	6.000	48.000
1013420020	Patrol 20 PM	2	230	11,5	16	1	6.000	54.000
1013430015	Patrol 15 PT	1,5	400	3	14	1	6.000	48.000
1013430020	Patrol 20 PT	2	400	4	16	1	6.000	54.000
1013430030	Patrol 30 PT	3	400	5,5	22	2	6.000	66.000

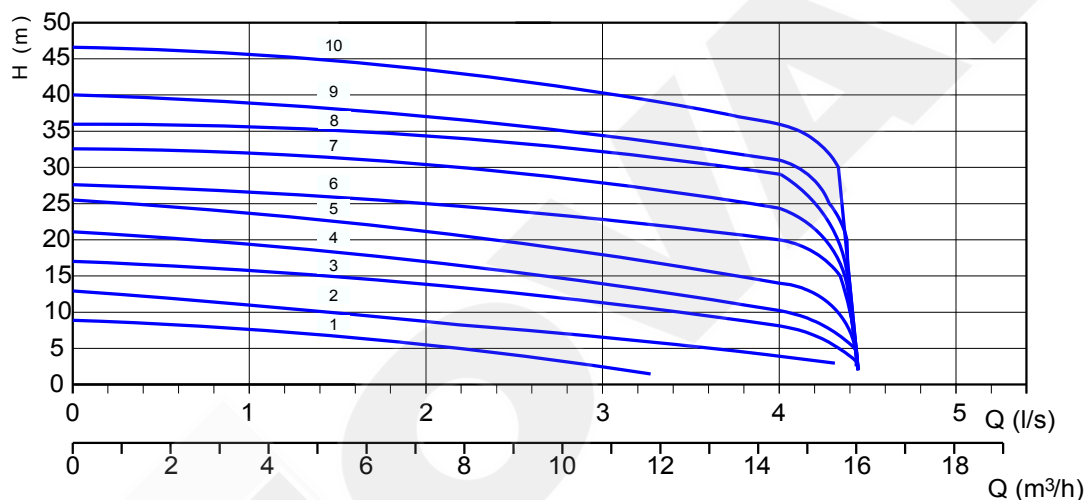
P version – fixed, with fixing and guiding accessories



Submersible Pump - with grinder

Code	Pump type	Head		Flow rate	
		m		l / h	
1013000056	GM2. 5. 6 TR	7	2	3.500	12.000
1013010556	GT2. 5. 6 TR	7	2	3.500	12.000
1013000710	GM2. 7. 10 TR	11	4,5	4.000	12.200
1013010710	GT2. 7. 10 TR	11	4,5	4.000	12.200
1013000814	GM2. 8. 14 TR	15,5	10	5.000	12.600
1013010814	GT2. 8. 14 TR	15,5	10	5.000	12.600
1013001114	GM2. 11. 14 TR	18,5	12	5.300	12.700
1013011114	GT2. 11. 14 TR	18,5	12	5.300	12.700
1013001414	GM2. 14. 14 TR	23	16	6.000	13.000
1013011414	GT2. 14. 14 TR	23	16	6.000	13.000
1013012014	GT2. 20. 14 TR	26	21	6.200	13.300
1013012514	GT2. 25. 14 TR	30	25,5	7.100	13.800
1013012715	GT2. 27. 15 TR	34	28	7.500	14.100
1013013015	GT2. 30. 15 TR	37	32	8.000	14.200
1013013615	GT2. 36. 15 TR	42	36	9.000	15.000

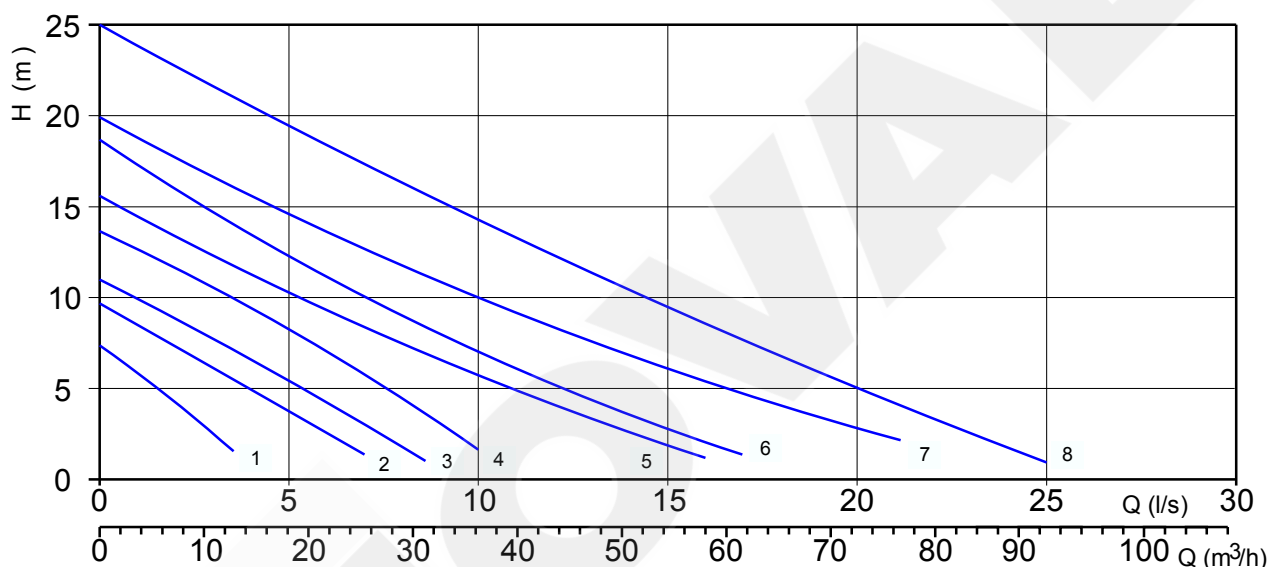
• Control Boxes included.



Line n.	Pump type	CV	kW	A	V	rpm	Pass.	Output	Weight	Installation type
							mm	mm	kg	
1	GM2. 5. 6 TR	1	0,8	3,7	1~ 230 - 50Hz	2850	6	40	33	S - R
	2,3			3~ 400 - 50Hz						
2	GM2. 7. 10 TR	1,5	1,1	4,5	1~ 230 - 50Hz	2850	6	40	34	S - R
	2,5			3~ 400 - 50Hz	33					
3	GM2. 8. 14 TR	1,9	1,4	6,1	1~ 230 - 50Hz	2850	6	40	34	S - R
	2,9			3~ 400 - 50Hz						
4	GM2. 11. 14 TR	2	1,5	7,1	1~ 230 - 50Hz	2850	6	40	34	S - R
	3,3			3~ 400 - 50Hz						
5	GM2. 14. 14 TR	2,7	2	9	1~ 230 - 50Hz	2850	6	40	34	S - R
	3,8			3~ 400 - 50Hz						
6	GT2. 20. 14 TR	3,4	2,5	5	3~ 400 - 50Hz	2850	7	40	45	S - R
7	GT2. 25. 14 TR	4,3	3,2	5,5	3~ 400 - 50Hz	2850	7	40	45	S - R
8	GT2. 27. 15 TR	5,	3,8	7	3~ 400 - 50Hz	2850	7	40	60	S - R
9	GT2. 30. 15 TR	5,7	4,2	7,5	3~ 400 - 50Hz	2850	7	40	60	S - R
10	GT2. 36. 15 TR	6,5	4,9	9	3~ 400 - 50Hz	2850	7	40	60	S - R

Submersible Pump - Vortex 3 blades

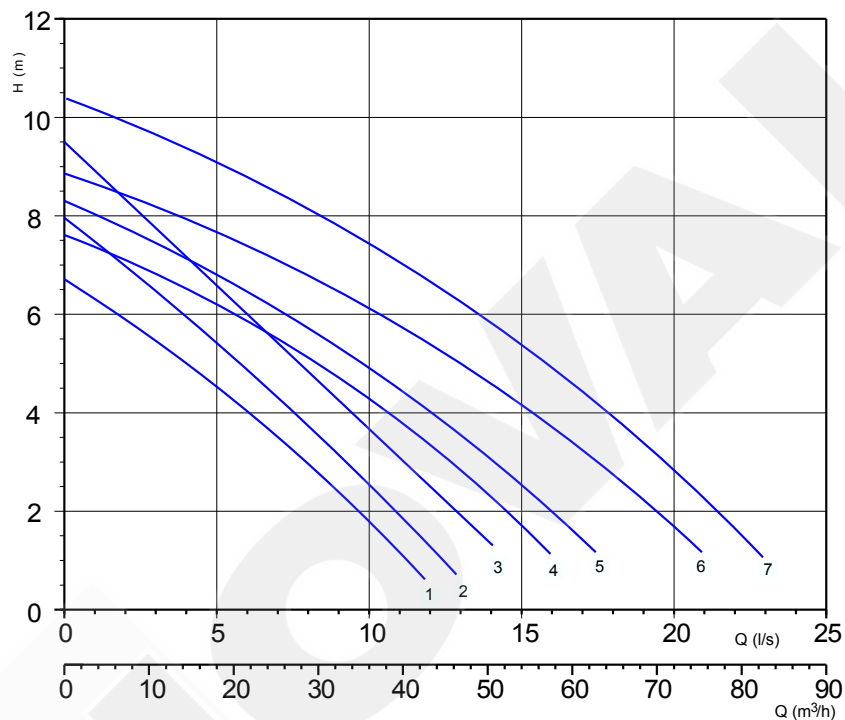
Code	Pump type	Head		Flow rate	
		m		l / h	
1013200057	GM2. 5. 7 VS	7	1	2.000	11.000
1013210047	GT2. 4. 7 VS	6	1	2.000	11.000
1013200513	GM2. 5. 13 VT	7	1	8.000	26.000
1013210513	GT2. 5. 13 VT	7	1	8.000	26.000
1013200712	GM2. 7. 12 VT	8	1	11.000	32.000
1013210712	GT2. 7. 13 VT	8	1	11.000	32.000
1013200817	GM2. 8. 17 VT	11	1	12.000	37.000
1013210818	GT2. 8. 18 VT	11	1	12.000	37.000
1013210924	GT2. 9. 24 VT	12	1	12.000	58.000
1013211026	GT2. 10. 26 VT	15	1,5	12.000	60.000
1013211134	GT2. 11. 34 VT	15	2,5	18.000	76.000
1013211340	GT2. 13. 40 VT	18	2	20.000	90.000



Line n.	Pump type	kW	A	V	rpm	Pass. mm	Output DN	Weight kg	Installation type
1	GM2. 5. 7 VS	0,51	2,3	1~ 230 - 50Hz	2850	30	40	14	S
	GT2. 4. 7 VS			3~ 400 - 50Hz					
2	GM2. 5. 13 VT	1,2	6,5	1~ 230 - 50Hz	2850	50	50	25	S - R
	GT2. 5. 13 VT			3~ 400 - 50Hz					
3	GM2. 7. 12 VT	1,2	5,7	1~ 230 - 50Hz	2850	48	50	37	S - R
	GT2. 7. 13 VT			3~ 400 - 50Hz					
4	GM2. 8. 17 VT	1,5	6,5	1~ 230 - 50Hz	2850	48	50	37	S - R
	GT2. 8. 18 VT			3~ 400 - 50Hz					
5	GT2. 9. 24 VT	3,2	5,6	3~ 400 - 50Hz	2850	50	65	52	P - R
6	GT2. 10. 26 VT	3,4	6	3~ 400 - 50Hz	2850	50	65	52	P - R
7	GT2. 11. 34 VT	4,5	7,9	3~ 400 - 50Hz	2850	50	80	70	P - R
8	GT2. 13. 40 VT	6,2	10	3~ 400 - 50Hz	2850	50	80	70	P - R

Submersible Pump - Vortex 6 blades

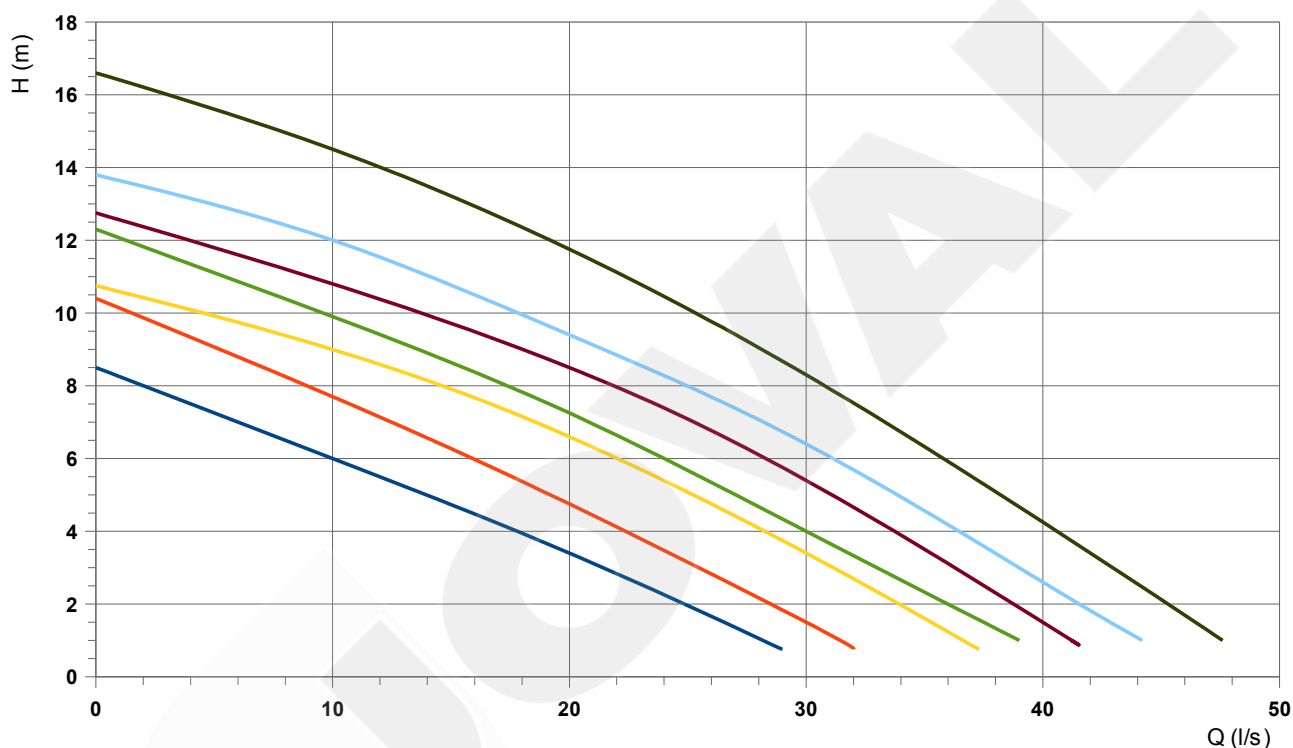
Code	Pump type	Head		Flow rate	
		m		l / h	
1013204422	GT4. 4. 22 VS	6	0,5	6.000	44.000
1013204522	GT4. 5. 22 VS	7,4	0,6	6.000	48.000
1013204530	GT4. 5. 30 VS	8,8	1	6.000	50.500
1013204532	GT4. 5. 32 VS	7	1	12.000	55.000
1013204536	GT4. 5. 36 VS	7,5	1	12.000	60.000
1013204738	GT4. 7. 38 VS	8,5	1	12.000	78.000
1013204742	GT4. 7. 42 VS	9,5	1	12.000	80.000



Line n.	Pump type	kW	A	V	rpm	Pass.	Output	Weight	Installation type
						mm	DN	kg	
1	GT4. 4. 22 VS	1,1	2,4	3~ 400 - 50Hz	1450	50	65	40	S - R
2	GT4. 5. 22 VS	1,3	2,6	3~ 400 - 50Hz	1450	50	65	40	S - R
3	GT4. 5. 30 VS	1,6	2,9	3~ 400 - 50Hz	1450	50	65	40	S - R
4	GT4. 5. 32 VS	1,5	2,8	3~ 400 - 50Hz	1450	50	65	59	P - R
5	GT4. 5. 36 VS	1,6	2,9	3~ 400 - 50Hz	1450	50	65	58	P - R
6	GT4. 7. 38 VS	2	3,9	3~ 400 - 50Hz	1450	50	65	64	P - R
7	GT4. 7. 42 VS	2,5	4,6	3~ 400 - 50Hz	1450	50	65	64	P - R

Submersible Pump - Vortex 6 blades

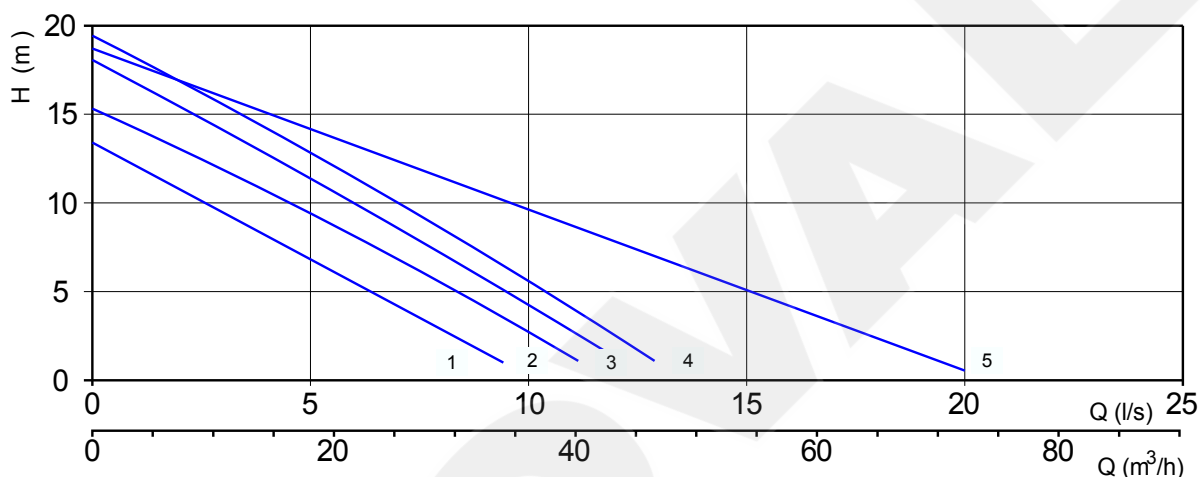
Code	Pump type	Head		Flow rate	
		m		l / h	
1013204648	GT4. 6. 48 VS	8	1	18.000	108.000
1013204750	GT4. 7. 50 VS	9	1	18.000	115.000
1013204852	GT4. 8. 52 VS	10	1,5	18.000	110.500
1013204780	GT4. 7. 80 VS	10	1	28.000	135.000
1013241050	GT4. 10. 50 VS	10	1,5	18.000	110.000
1013204980	GT4. 9. 80 VS	12,5	1	30.000	160.000
1013241184	GT4. 11. 84 VS	15	1,5	30.000	175.000



Line n.	Pump type	kW	A	V	rpm	Pass.	Output	Weight	Installation type
						mm	DN	kg	
1	GT4. 6. 48 VS	2,4	4,8	3~ 400 - 50Hz	1450	64	80	64	P - R
2	GT4. 7. 50 VS	3	6	3~ 400 - 50Hz	1450	64	80	64	P - R
3	GT4. 8. 52 VS	3,6	7,5	3~ 400 - 50Hz	1450	64	80	75	P - R
4	GT4. 7. 80 VS	4,5	8,2	3~ 400 - 50Hz	1450	70 x 90	100	107	P - R
5	GT4. 10. 50 VS	4,6	8,9	3~ 400 - 50Hz	1450	64	80	75	P - R
6	GT4. 9. 80 VS	5,4	9,5	3~ 400 - 50Hz	1450	70 x 90	100	12	P - R
7	GT4. 11. 84 VS	6,8	12	3~ 400 - 50Hz	1450	70 x 90	100	123	P - R

Submersible Pump - single channel - open

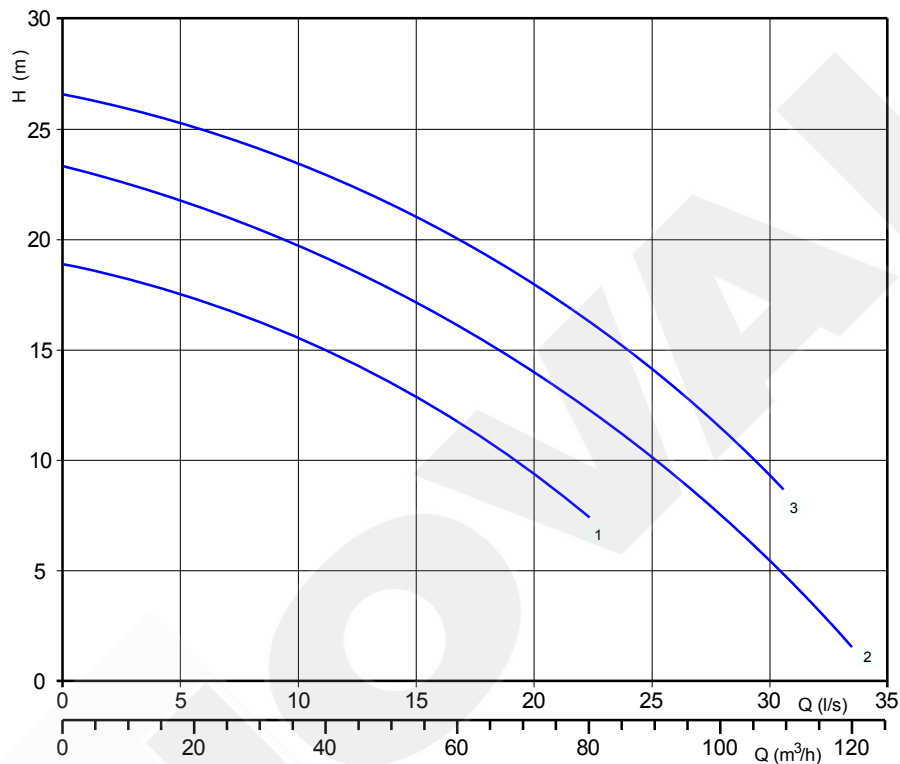
Code	Pump type	Head		Flow rate	
		m		l / h	
1013300620	GM2. 6. 20 MA	12	1,5	5.000	35.000
1013310620	GT2. 6. 20 MA	12	1,5	5.000	35.000
1013300723	GM2. 7. 23 MA	14	1,5	5.000	40.000
1013310723	GT2. 7. 23 MA	14	1,5	5.000	40.000
1013300825	GM2. 8. 25 MA	16	1,5	8.000	45.000
1013310825	GT2. 8. 25 MA	16	1,5	8.000	45.000
1013310927	GT2. 9. 27 MA	17	1,5	10.000	45.000
1013311032	GT2. 10. 32 MA	16	1,5	15.000	72.000



Line n.	Pump type	kW	A	V	rpm	Pass. mm	Output DN	Weight kg	Installation type
1	GM2. 6. 20 MA	1,1	5	1~ 230 - 50Hz	2850	30	65	42	S - R
	GT2. 6. 20 MA		2,5	3~ 400 - 50Hz					
2	GM2. 7. 23 MA	1,2	5,8	1~ 230 - 50Hz	2850	30	65	42	S - R
	GT2. 7. 23 MA		2,7	3~ 400 - 50Hz					
3	GM2. 8. 25 MA	1,4	6,6	1~ 230 - 50Hz	2850	30	65	42	S - R
	GT2. 8. 25 MA		2,8	3~ 400 - 50Hz					
4	GT2. 9. 27 MA	1,6	3	3~ 400 - 50Hz	2850	30	65	42	S - R
5	GT2. 10. 32 MA	2,2	3,7	3~ 400 - 50Hz	2850	30	65	42	S - R

Submersible Pump - three channel - open

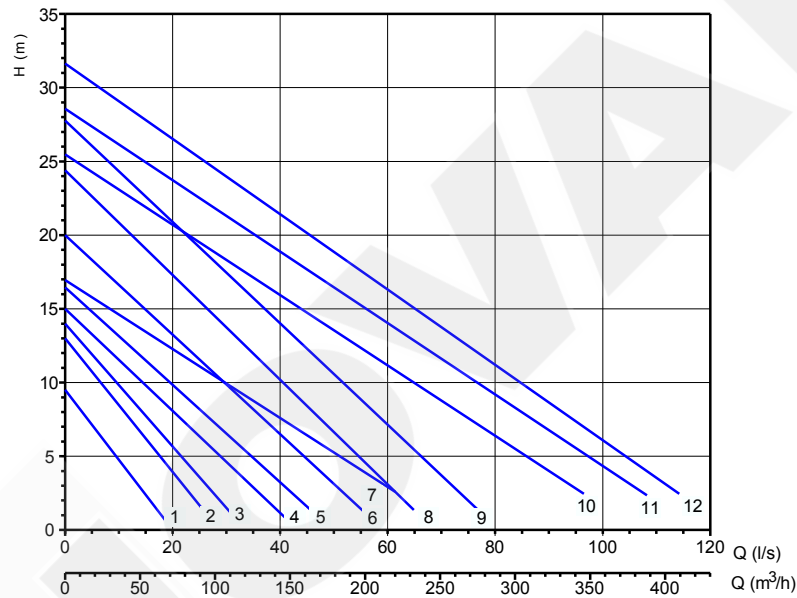
Code	Pump type	Head		Flow rate	
		m		l / h	
1013311353	GT2. 13. 53 TA	18	8	14.000	80.000
1013311665	GT2. 16. 65 TA	23	3	15.000	120.000
1013311870	GT2. 18. 70 TA	26	9	16.000	110.000



Line n.	Pump type	kW	A	V	rpm	Pass. mm	Output mm	Weight kg	Installation type
1	GT2. 13. 53 TA	3,5	5,8	3~ 400 - 50Hz	2850	30	70	48	S - R
2	GT2. 16. 65 TA	5,2	8,8	3~ 400 - 50Hz	2850	30	70	73	S - R
3	GT2. 18. 70 TA	6,6	11	3~ 400 - 50Hz	2850	30	70	70	S - R

Submersible Pump single channel

Code	Pump type	Head		Flow rate	
		m		l / h	
1013400534	GT4. 5. 34 MF	8	1,5	12.000	68.000
1013400842	GT4. 8. 42 MF	12	1,5	12.000	94.000
1013400848	GT4. 8. 48 MF	11,5	0,6	18.000	116.000
1013400872	GT4. 8. 72 MF	12,5	0,8	30.000	165.000
1013400985	GT4. 9. 85 MF	14	0,8	30.000	175.000
1013401294	GT4. 12. 94 MF	17,5	1	30.000	210.000
1013409120	GT4. 9. 120 MF	15,5	5	30.000	185.000
1013413125	GT4. 13. 125 MF	22	6,5	27.000	220.000
1013415135	GT4. 15. 135 MF	25	7	30.000	270.000
1013413190	GT4. 13. 190 MF	22,5	3	65.000	350.000
1013416220	GT4. 16. 220 MF	24	7	65.000	350.000
1013419220	GT4. 19. 220 MF	30	7	65.000	370.000



Line n.	Pump type	kW	A	V	rpm	Pass. mm	Output DN	Weight kg	Installation type
1	GT4. 5. 34 MF	1,7	3,1	3~ 400 - 50Hz	1450	65	65	61	P - R
2	GT4. 8. 42 MF	2,6	4,7	3~ 400 - 50Hz	1450	65	65	66	P - R
3	GT4. 8. 48 MF	2,8	5	3~ 400 - 50Hz	1450	76	80	70	P - R
4	GT4. 8. 72 MF	4,1	8	3~ 400 - 50Hz	1450	78	100	117	P - R
5	GT4. 9. 85 MF	4,2	8,1	3~ 400 - 50Hz	1450	78	100	117	P - R
6	GT4. 12. 94 MF	5,7	10,4	3~ 400 - 50Hz	1450	78	100	134	P - R
7	GT4. 9. 120 MF	5,9	10	3~ 400 - 50Hz	1450	100	100	125	P - R
8	GT4. 13. 125 MF	9,3	18,5	3~ 400 - 50Hz	1450	90	100	189	P - R
9	GT4. 15. 135 MF	11,2	21,5	3~ 400 - 50Hz	1450	90	100	189	P - R
10	GT4. 13. 190 MF	15,5	28,5	3~ 400 - 50Hz	1450	100	150	280	P - R
11	GT4. 16. 220 MF	17,5	30	3~ 400 - 50Hz	1450	100	150	350	P - R
12	GT4. 19. 220 MF	20,5	37	3~ 400 - 50Hz	1450	100	150	350	P - R

Impeller type	Impeller description
TR	CRUSHER
DR	MULTIPLE VANE
VT	VORTEX 3 VANES
VS	VORTEX 6 VANES
VO	VORTEX 8 VANES
MA	OPEN - SINGLE CHANNEL
BA	OPEN - TWO CHANNELS
TA	OPEN - THREE CHANNELS
MF	CLOSED - SINGLE CHANNEL
BF	CLOSED - TWO CHANNELS
TF	CLOSED - THREE CHANNELS
MC	OPEN - MULTIPLE VANES (Large Flows)
AG	AGITATOR

INSTALLATION EXAMPLES

