

SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL) in cast iron



Submersible electric pumps in cast iron for foul waste water with multi-channel impellers

APPLICATIONS

- Handling black water, loaded fluids in general
- Draining infiltration water
- Draining cesspits
- Draining excavations

TECHNICAL DATA

- Maximum fluid temperature: 40°C
- Maximum solid dimensions: 30 - 140mm
- Three phase asynchronous motor
- Versions available: 2, 4, 6, 8 pole
- Insulation class H
- Protection rating IP 68
- Three phase voltage 400V-690V, 50Hz
- Flanges DN65, DN80, DN100, DN150, DN 200, DN 250, DN300, DN350
- Power up to 85 kW

MATERIALS

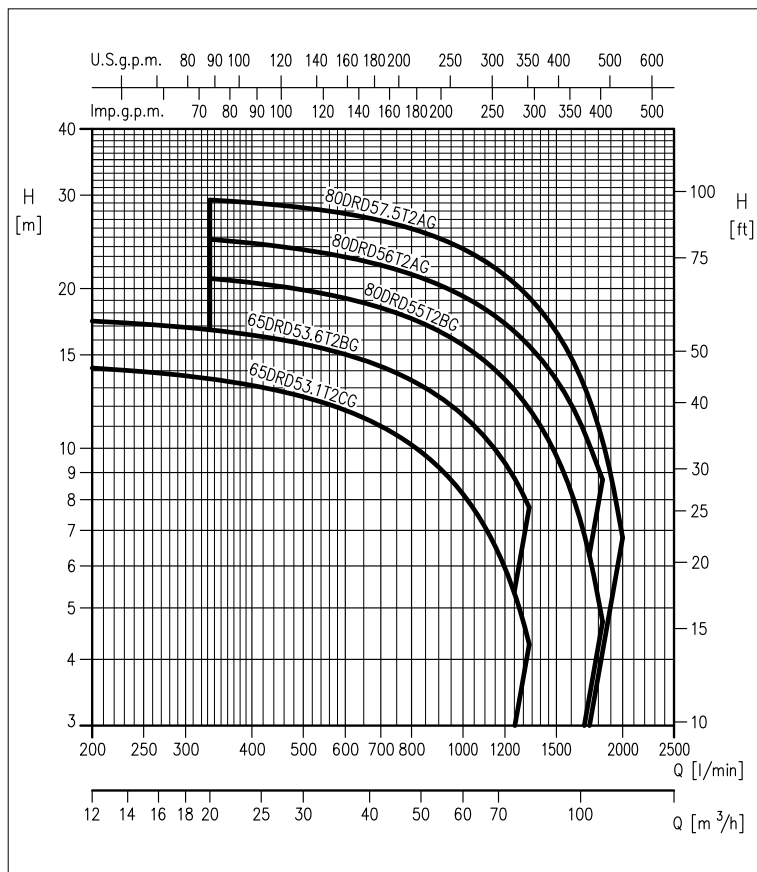
- Pump body, two/three channel impeller, motor casing, volute base, upper cover in cast iron
- Shaft made of AISI 420B
- Mechanical seal:
 - SiC/SiC/NBR (pump side)
 - Carbon/Ceramic/NBR (motor side)

ACCESSORIES (on request)

For accessories, see page 151 onwards

SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL) in cast iron

PERFORMANCE RANGE 65-80 DRD (per ISO 9906 Annex A)

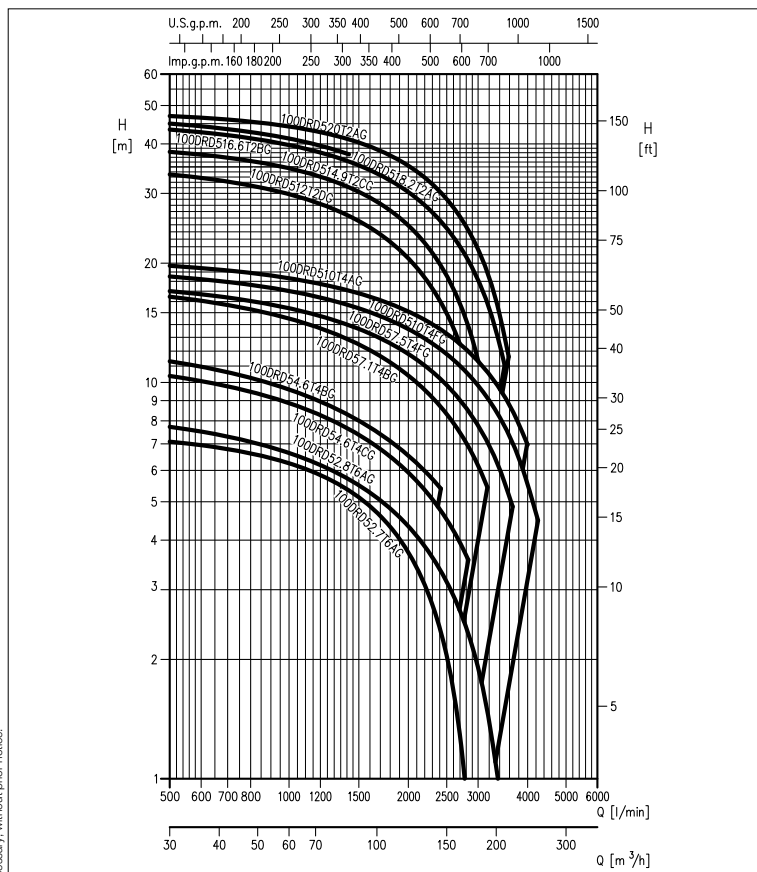


PERFORMANCE TABLE

Model	P ₂		Q=Flow rate						
	[HP]	[kW]	l/min 0 m³/h 0	200 12	333 20	833 50 H=Head [m]	1333 80	1833 110	2000 120
65DRD53.1T2CG	4.2	3.1	14.9	14.2	13.5	9.8	4.3	-	-
65DRD53.6T2BG	4.8	3.6	18.1	17.4	16.7	13.1	7.8	-	-
80DRD55T2BG	6.7	5	22.4	-	20.9	17.3	11.9	4.7	-
80DRD56T2AG	8.0	6	26.4	-	24.8	21	15.6	8.7	-
80DRD57.5T2AG	10.1	7.5	30.5	-	29.4	25.6	19.2	10.3	6.8

SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL) in cast iron

PERFORMANCE RANGE 100 DRD (per ISO 9906 Annex A)

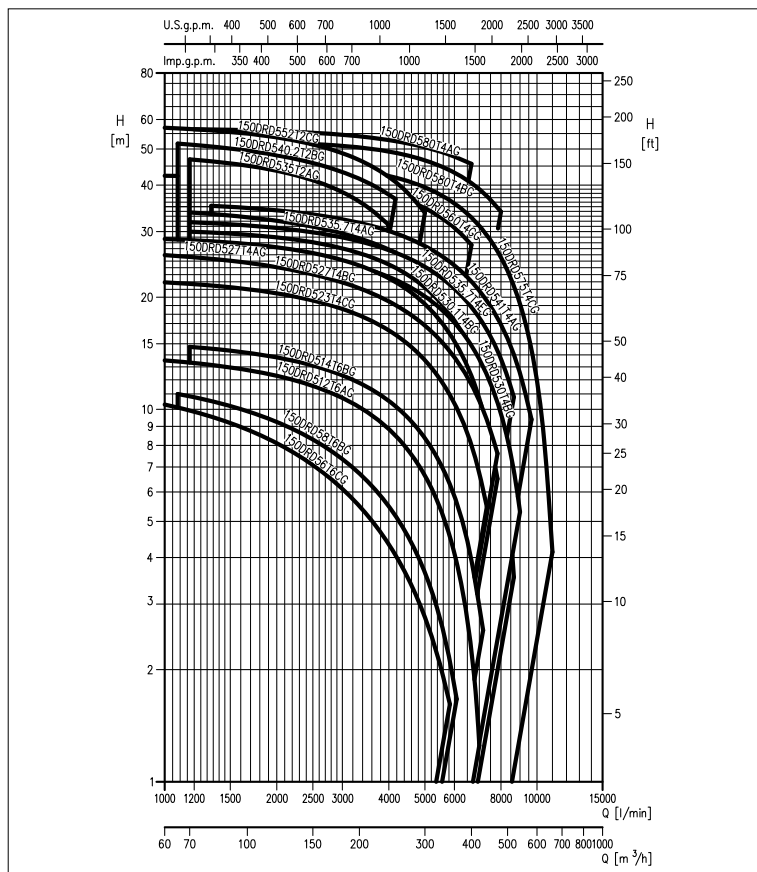


PERFORMANCE TABLE

Model	P ₂		l/min 0 m ³ /h 0	500 30	833 50	1417 85	2417 145	2833 170	Q=Flow rate		3333 200	3500 210	3583 215	3667 220	4000 240	4250 255
	[HP]	[kW]							3000 180	3167 190						
100DRD52.7T6AG	3.6	2.7	7.6	7.1	6.6	5.3	2.3	0.8	-	-	-	-	-	-	-	-
100DRD52.8T6AG	3.8	2.8	8.8	7.7	7	5.7	3.3	2.3	1.9	1.5	1.1	-	-	-	-	-
100DRD54.6T4CG	6.2	4.6	12	10.4	9.4	7.6	4.7	3.6	-	-	-	-	-	-	-	-
100DRD54.6T4BG	6.2	4.6	13.1	11.3	10.2	8.3	5.4	-	-	-	-	-	-	-	-	-
100DRD57.1T4BG	9.5	7.1	18.4	16.5	15.2	12.5	8.3	6.9	6.2	5.5	4.7	-	-	-	-	-
100DRD57.5T4CG	10.1	7.5	18.6	17	15.9	13.7	9.8	8.5	7.8	7.1	6.3	5.6	5.2	4.9	-	-
100DRD510T4FG	13.4	10	20	18.5	15.4	11.8	10.5	9.8	9.1	8.5	7.7	7.4	7	5.6	4.4	-
100DRD510T4AG	13.4	10	21	19.7	18.8	16.8	13.3	12	11.3	10.6	9.9	9.2	8.8	8.5	7	-
100DRD512T2DG	16.1	12	36.5	33.5	31.2	26.3	15.9	10.8	8.6	-	-	-	-	-	-	-
100DRD514.9T2CG	20.0	14.9	41	38.2	36	31.1	19.7	13.9	11.3	8.7	6	-	-	-	-	-
100DRD516.6T2BG	22.3	16.6	46.5	43.5	41	36.1	25.5	20.3	18.1	15.8	13.5	11.1	-	-	-	-
100DRD518.2T2AG	24.4	18.2	48	45	42.5	37.7	-	-	-	-	-	-	-	-	-	-
100DRD520T2AG	26.8	20	48.5	47	45.5	41	30.1	24.2	21.7	18.9	16.1	13.1	11.6	-	-	-

SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL) in cast iron

PERFORMANCE RANGE 150 DRD (per ISO 9906 Annex A)

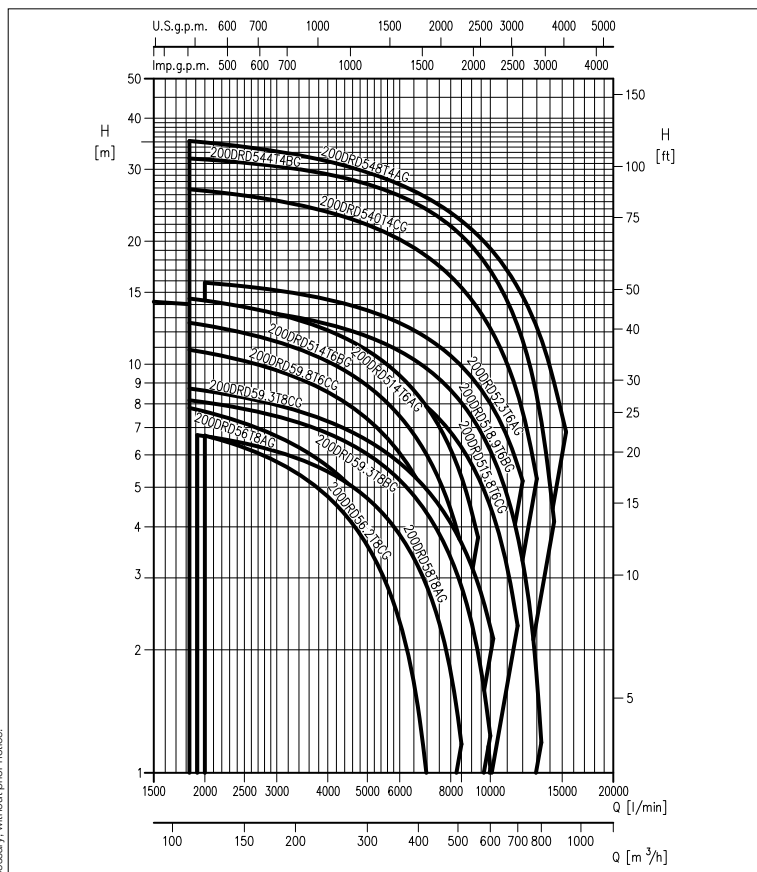


PERFORMANCE TABLE

Model	P ₂		Q=Flow rate																				
	[HP]	[kW]	H=Head [m]																				
			l/min 1000	1083	1167	1333	2667	4000	4167	5000	5500	5833	6083	6667	7000	7167	7333	7833	8000	8667	9000	9667	11000
150DRD56T6CG	8.0	6	10.3	10.1	9.9	9.6	6.8	4.3	4.1	2.8	2.1	1.6	-	-	-	-	-	-	-	-	-	-	-
150DRD58T6BG	10.7	8	-	11	10.8	10.5	8	5.5	5.2	3.6	2.7	2.1	1.7	-	-	-	-	-	-	-	-	-	-
150DRD512T6AG	16.1	12	13.5	13.5	13.4	13.2	11.3	8.8	8.5	6.6	5.4	4.5	3.9	2.2	1.2	-	-	-	-	-	-	-	-
150DRD514T6BG	18.8	14	-	-	14.7	14.5	12.9	10.5	10.2	8.4	7.1	6.3	5.6	3.9	3	2.5	-	-	-	-	-	-	-
150DRD523T4CG	30.8	23	21.9	21.8	21.7	21.5	19.3	16.3	15.9	13.5	12	10.9	10.1	8	6.8	6.1	5.5	-	-	-	-	-	-
150DRD527T4BG	36.2	27	26	25.8	25.7	25.4	22.7	19.5	19	16.8	15.3	14.3	13.5	11.7	10.5	10	9.4	7.6	-	-	-	-	-
150DRD527T4AG	36.2	27	28.7	28.6	28.5	28.3	25.9	22.5	22	19.2	17.3	15.9	14.9	12.3	10.7	9.9	9	6.4	-	-	-	-	-
150DRD530T4BG	40.2	30	-	-	27.5	27.4	25.4	22.7	22.3	20.1	18.6	17.6	16.8	14.8	13.6	13	12.4	10.4	9.7	6.9	5.4	-	-
150DRD530.1T4BG	40.2	30	-	-	30	29.8	27.8	24.5	24	21.2	19.4	18	17	14.3	12.7	11.9	11.1	8.4	7.5	3.6	-	-	-
150DRD535T2AG	46.9	35	-	-	47	46.5	40.5	31.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150DRD535.7T4EG	47.9	35.7	-	-	31.8	31.7	29.6	26.8	26.3	24.1	22.7	21.6	20.8	18.8	17.6	17	16.3	14.4	13.7	10.8	-	-	-
150DRD535.7T4AG	47.9	35.7	-	-	33.8	30.5	26.9	26.4	23.6	21.9	20.7	-	-	-	-	-	-	-	-	-	-	-	-
150DRD540.2T2BG	53.9	40.2	-	51.7	51.4	50.8	45	37.7	36.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150DRD541T4AG	55.0	41	-	-	-	35.3	33	30.1	29.7	27.4	25.9	24.9	24.1	22	20.8	20.2	19.6	17.6	16.9	14	12.5	9.4	-
150DRD552T2CG	69.7	52	57	56.8	56.6	56.1	50.6	42	40.8	33.7	-	-	-	-	-	-	-	-	-	-	-	-	-
150DRD560T4CG	80.5	60	42.5	42.5	42.5	42	41	37.8	37.3	34.7	32.8	31.4	30.4	27.6	-	-	-	-	-	-	-	-	-
150DRD575T4CG	100.6	75	-	-	-	45.5	45	42.5	42	39.5	37.7	36.4	35.4	32.7	31.1	30.2	29.4	26.6	25.6	21.4	19.2	14.4	3.8
150DRD580T4BG	107.3	80	52	52	52	52	51.5	49	49	48.5	45	44	43	40.5	39	38.2	37.4	34.8	33.9	-	-	-	-
150DRD580T4AG	107.3	80	-	-	56.5	55	53	52.5	50.5	49	49	48	47.5	45.5	-	-	-	-	-	-	-	-	-

SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL) in cast iron

PERFORMANCE RANGE 200 DRD (per ISO 9906 Annex A)



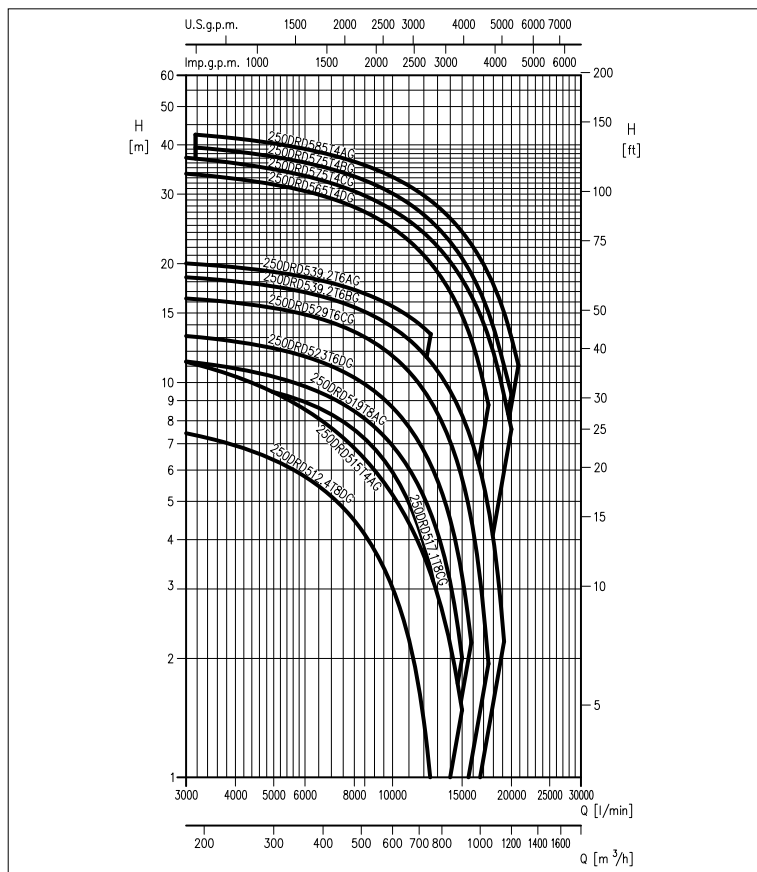
PERFORMANCE TABLE

Model	P ₂		Q=Flow rate																		
	[HP]	[kW]	l/min 0	1667	1833	1917	2000	4500	7000	7667	8500	9167	9333	10000	10167	11667	12000	13000	13333	14333	15333
			m³/h 0	100	110	115	120	270	420	460	510	550	560	600	610	700	720	780	800	860	920
200DRD56T8AG	8.0	6	9.5	-	-	7.7	7.7	5.1	2.2	1.3	-	-	-	-	-	-	-	-	-	-	-
200DRD56.2T8CG	8.3	6.2	8.2	-	-	-	6.7	4.2	1	-	-	-	-	-	-	-	-	-	-	-	-
200DRD58T8AG	10.7	8	7.4	-	6.7	6.7	6.7	5.1	2.9	2.1	1.2	-	-	-	-	-	-	-	-	-	-
200DRD59.3T8CG	12.5	9.3	9.1	-	8.2	8.1	8.1	6.4	4.3	3.7	2.9	2.2	1.8	1.2	1	-	-	-	-	-	-
200DRD59.3T8BG	12.5	9.3	9.8	-	8.7	8.7	8.6	6.9	4.9	4.4	3.6	3.1	2.7	2.3	-	-	-	-	-	-	-
200DRD59.8T6CG	13.1	9.8	12.5	-	10.9	10.8	10.7	8	4.7	3.7	2.5	1.4	-	-	-	-	-	-	-	-	-
200DRD514T6BG	18.8	14	14.4	-	12.6	12.5	12.5	9.5	6	4.9	3.6	2.4	1.8	1	-	-	-	-	-	-	-
200DRD514T6AG	18.8	14	16	-	14.5	14.4	14.3	11.5	7.8	6.7	5.3	4.1	3.5	-	-	-	-	-	-	-	-
200DRD515.8T6CG	21.2	15.8	12.9	-	12	11.9	11.9	10.1	7.9	7.2	6.3	5.5	5.3	4.5	4.3	2.3	-	-	-	-	-
200DRD518.9T6BG	25.3	18.9	15	14.1	14	14	13.9	12.1	9.7	9	8	7.2	7	6.1	5.9	3.8	3.3	1.7	1.2	-	-
200DRD523T6AG	30.8	23	16.9	-	-	-	15.8	14	11.6	10.9	9.9	9.1	8.9	8	7.8	5.7	5.2	-	-	-	-
200DRD540T4CG	53.6	40	29.2	-	26.8	26.7	26.6	22.8	18.4	17.1	15.4	14	13.7	12.2	11.9	8.5	7.7	5.2	-	-	-
200DRD544T4BG	59.0	44	33.6	-	31.9	31.8	31.7	28.4	23.9	22.5	20.6	19.1	18.7	17	16.5	12.4	11.4	8.4	7.3	4	-
200DRD548T4AG	64.4	48	38.3	-	35.2	35.1	34.9	30.4	25.5	24.2	22.4	21	20.7	19.2	18.8	15.4	14.7	12.3	11.5	9.1	6.6

DRD

SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL) in cast iron

PERFORMANCE RANGE 250 DRD (per ISO 9906 Annex A)

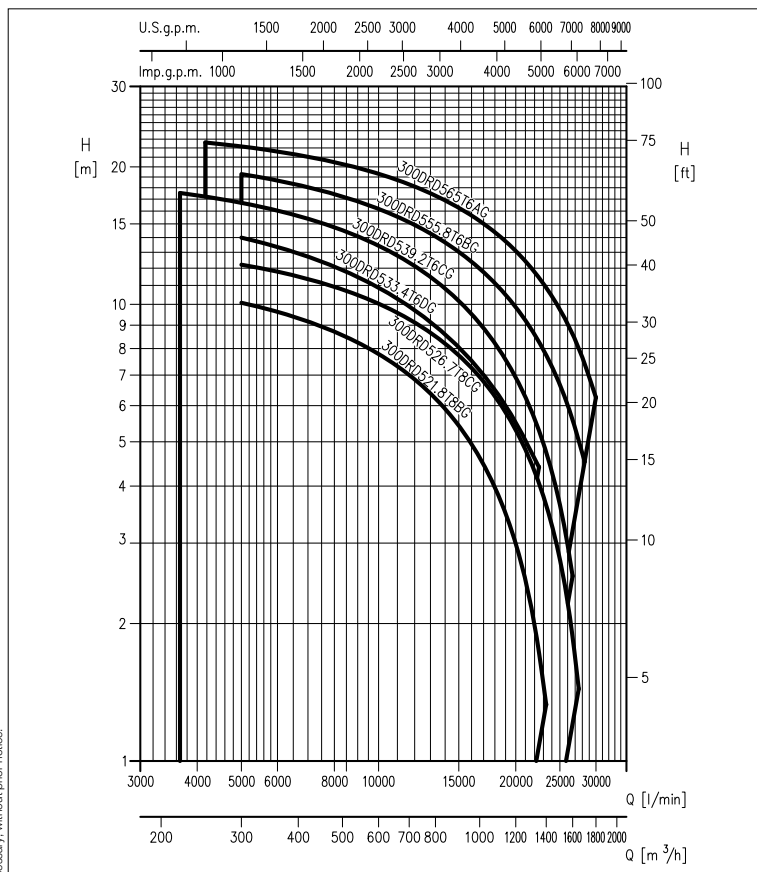


PERFORMANCE TABLE

Model	P:		Q=Flow rate															
	[HP]	[kW]	l/min 0	3000	3167	5000	8333	12500	12667	14000	15000	15833	17500	19167	19833	20000	20833	
			m³/h 0	180	190	300	500	750	760	840	900	950	1,050	1,150	1,190	1,200	1,250	
			H=Head [m]															
250DRD512.4T8DG	16.6	12.4	8.7	7.4	7.4	6.4	4	1	0.8	-	-	-	-	-	-	-	-	
250DRD517.1T8CG	22.9	17.1	10.8	10.3	10.2	9.5	7.1	3.3	3.1	1.5	-	-	-	-	-	-	-	
250DRD519T8AG	25.5	19	12.3	11.3	11.2	10.3	8	4.7	4.5	3.1	2	-	-	-	-	-	-	
250DRD515T4AG	20.1	15	14.2	11.3	11.1	9.4	6.3	3.3	3.1	2.2	1.5	-	-	-	-	-	-	
250DRD523T6DG	30.8	23	13.9	13.1	13.1	12.2	9.8	6.2	6	4.5	3.3	2.2	-	-	-	-	-	
250DRD529T6CG	38.9	29	17	16.3	16.3	15.4	12.9	9	8.8	7.1	5.7	4.5	1.9	-	-	-	-	
250DRD539.2T6BG	52.6	39.2	19.4	18.5	18.4	17.5	15	11.3	11.1	9.5	8.3	7.1	4.8	2.2	-	-	-	
250DRD539.2T6AG	52.6	39.2	21	20	20	19.1	16.7	13.3	-	-	-	-	-	-	-	-	-	
250DRD565T4DG	87.2	65	36.1	33.8	33.7	31.7	26.8	20	19.7	17	14.8	12.8	8.8	-	-	-	-	
250DRD575T4CG	100.6	75	40.5	37.1	36.9	34.7	29.5	23	22.7	20.2	18.3	16.6	13	9.3	7.8	7.4	-	
250DRD575T4BG	100.6	75	42.5	-	39.4	37.3	32.3	25.7	25.3	22.7	20.6	18.8	15	11	9.4	-	-	
250DRD585T4AG	114.0	85	45.5	-	42.5	40.5	35.3	28.9	28.6	26.1	24.1	22.4	18.8	15	13.5	13.1	11.1	

SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL) in cast iron

PERFORMANCE RANGE 300 DRD (per ISO 9906 Annex A)

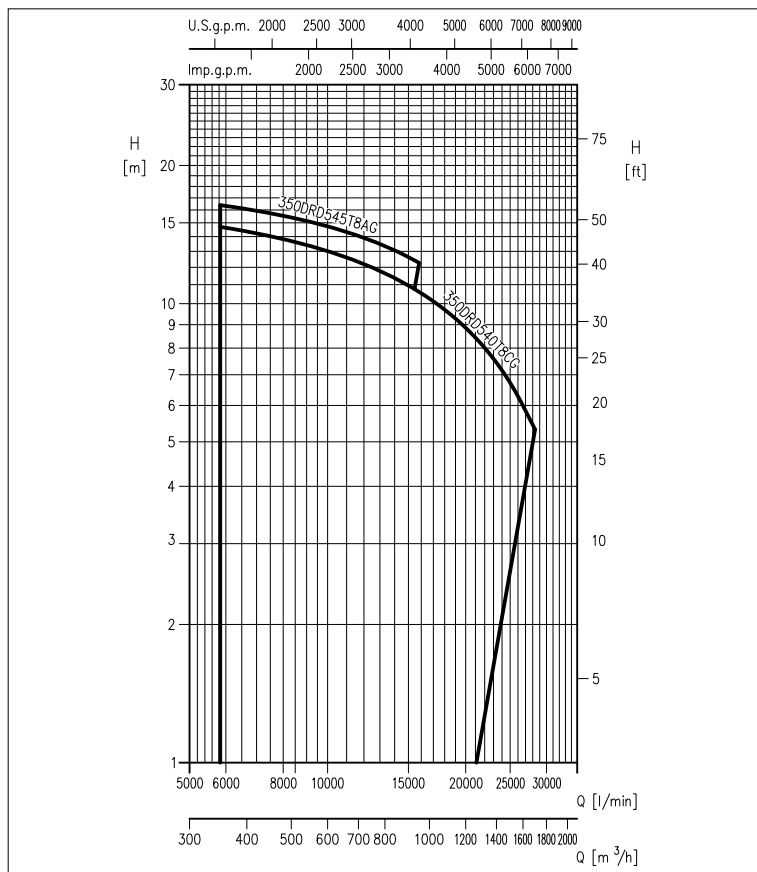


PERFORMANCE TABLE

Model	P _e		Q=Flow rate													
			l/min 0	3667	4167	5000	8333	11667	15000	18333	22500	23333	26667	27500	28333	30000
	[HP]	[kW]	m³/h 0	220	250	300	500	700	900	1,100	1,350	1,400	1,600	1,650	1,700	1,800
	H=Head [m]															
300DRD521.8T8BG	29.2	21.8	12.3	-	-	10.1	8.6	7	5.4	3.8	1.7	1.3	-	-	-	-
300DRD526.7T8CG	35.8	26.7	14.3	-	-	12.2	10.8	9.3	7.7	6.1	4.1	3.6	1.9	1.4	-	-
300DRD533.4T6DG	44.8	33.4	17.4	-	-	14	11.9	9.9	8	6.3	4.3	-	-	-	-	-
300DRD539.2T6CG	52.6	39.2	20	17.6	17.2	16.7	14.5	12.4	10.2	8	5.3	4.7	2.6	-	-	-
300DRD555.8T6BG	74.8	55.8	22.4	-	-	19.3	17.2	15.1	13	10.9	8.3	7.7	5.6	5.1	4.5	-
300DRD565T6AG	87.2	65	24.9	-	22.6	22.2	20.3	18.3	16.3	14.2	11.4	10.9	8.6	8	7.4	6.2

SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL) in cast iron

PERFORMANCE RANGE 350 DRD (per ISO 9906 Annex A)



PERFORMANCE TABLE

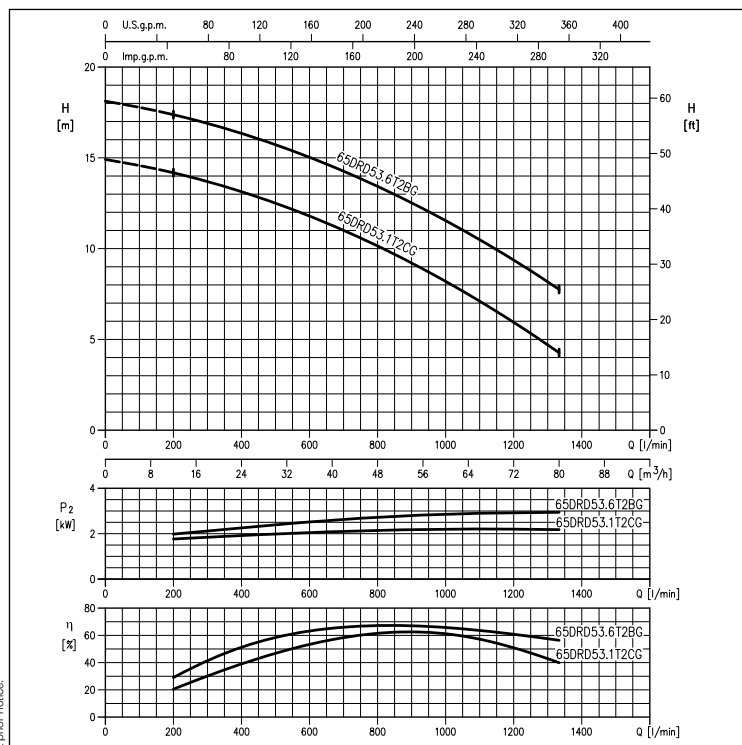
Model	P ₂		Q=Flow rate							
	[HP]	[kW]	l/min 0 m³/h 0	5833 350	8333 500	11667 700	15833 950	20000 1,200	25000 1,500	28333 1,700
350DRD540T8CG	53.6	40	17	14.7	13.7	12.3	10.6	8.9	6.7	5.3
350DRD545T8AG	60.3	45	18.6	16.4	15.4	14.1	12.3	-	-	-

SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL) in cast iron

PERFORMANCE CURVES (per ISO 9906 Annex A)

65DRD53.1T2CG (3.1 kW)

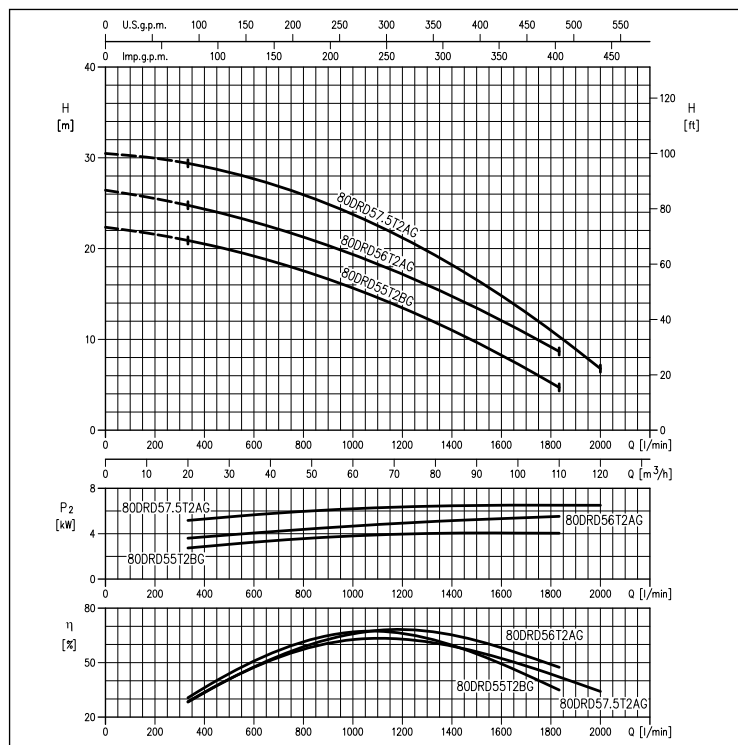
65DRD53.6T2BG (3.6 kW)



PERFORMANCE CURVES (per ISO 9906 Annex A)

80DRD55T2BG (5.0 kW) - 80DRD56T2AG (6.0 kW)

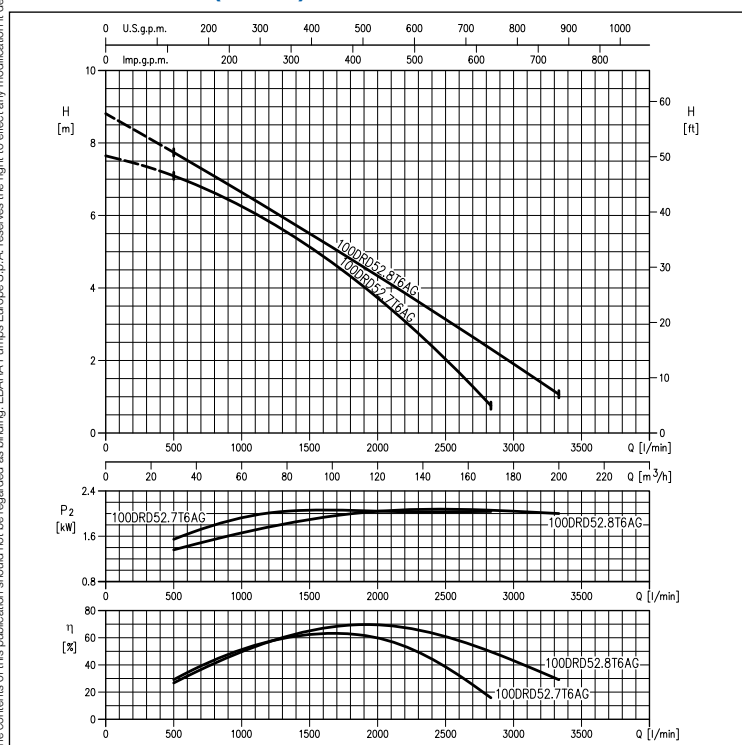
80DRD57.5T2AG (7.5 kW)



PERFORMANCE CURVES (per ISO 9906 Annex A)

100DRD52.7T6AG (2.7 kW)

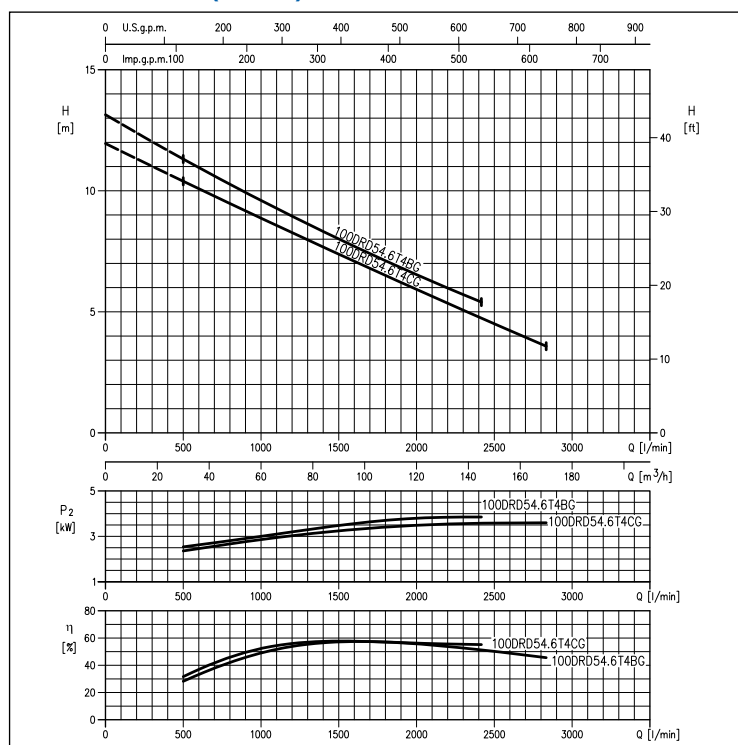
100DRD52.8T6AG (2.8 kW)



PERFORMANCE CURVES (per ISO 9906 Annex A)

100DRD54.6T4CG (4.6 kW)

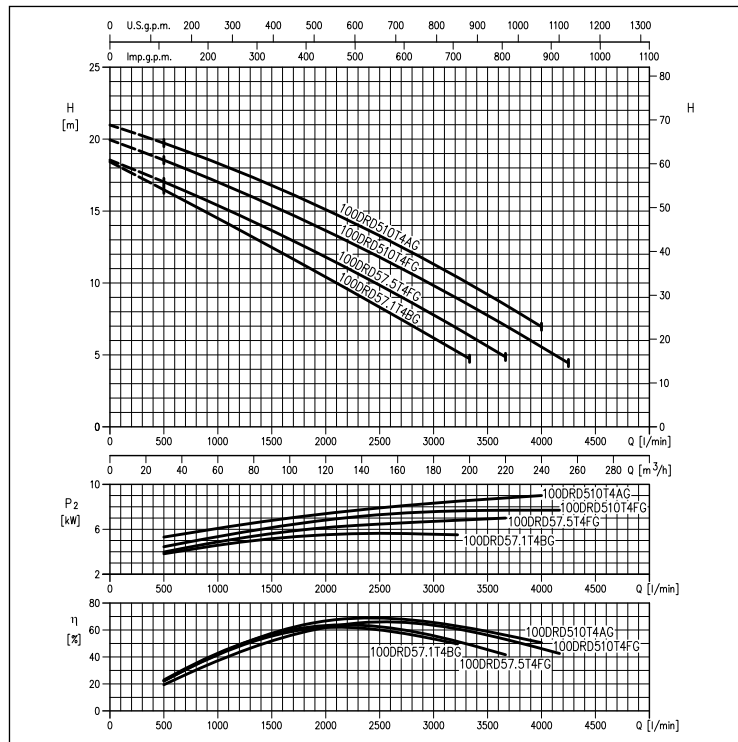
100DRD54.6T4BG (4.6 kW)



SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL) in cast iron

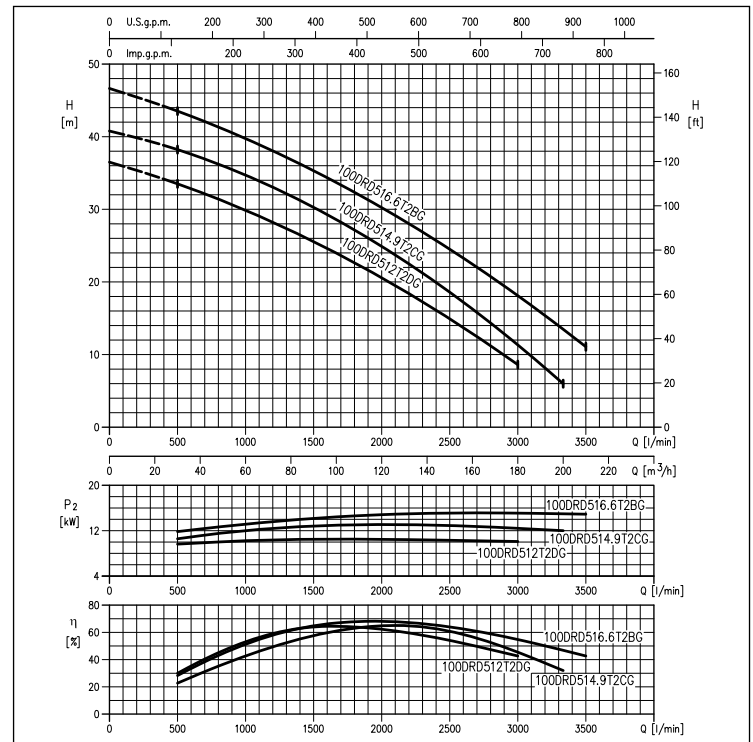
PERFORMANCE CURVES (per ISO 9906 Annex A)

100DRD57.1T4BG (7.1 kW) - 100DRD57.5T4FG (7.5 kW)
100DRD510T4FG (10 kW) - 100DRD510T4AG (10 kW)



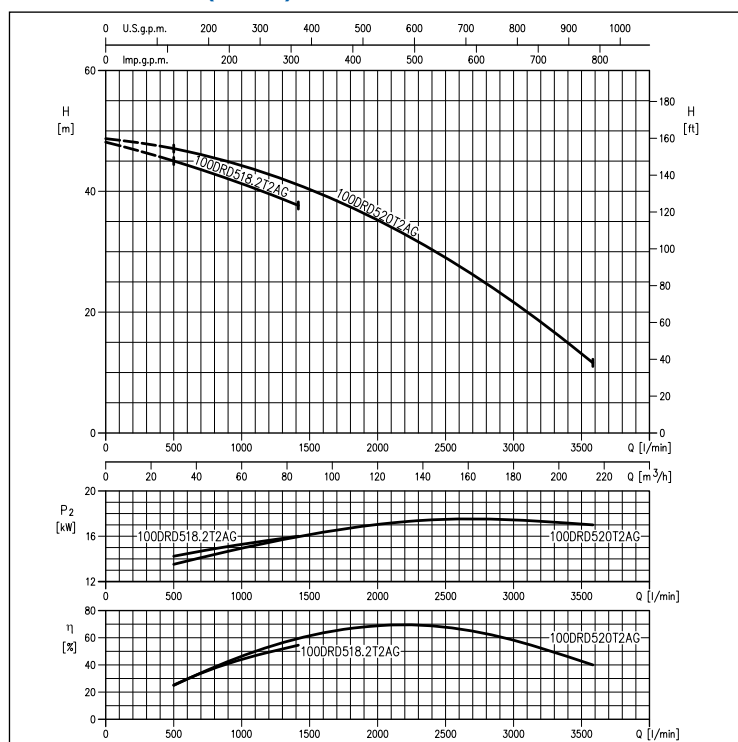
PERFORMANCE CURVES (per ISO 9906 Annex A)

100DRD512T2DG (12 kW) - 100DRD514.9T2CG (14.9 kW)
100DRD516.6T2BG (16.6 kW)



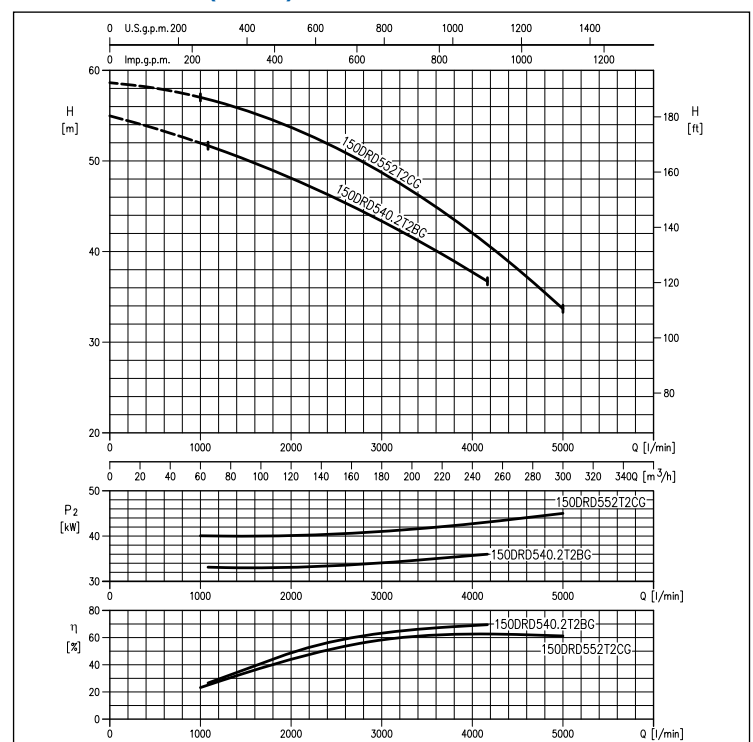
PERFORMANCE CURVES (per ISO 9906 Annex A)

100DRD518.2T2AG (18.2 kW)
100DRD520T2AG (20 kW)



PERFORMANCE CURVES (per ISO 9906 Annex A)

150DRD540.2T2BG (40.2 kW)
150DRD552T2CG (52 kW)

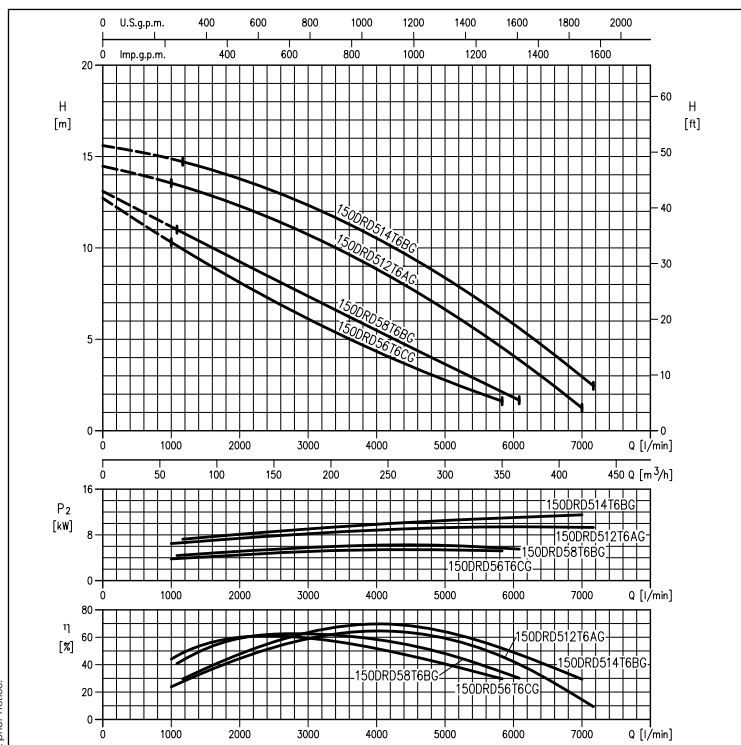


SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL) in cast iron

PERFORMANCE CURVES (per ISO 9906 Annex A)

150DRD56T6CG (6.0 kW) - 150DRD58T6BG (8.0 kW)

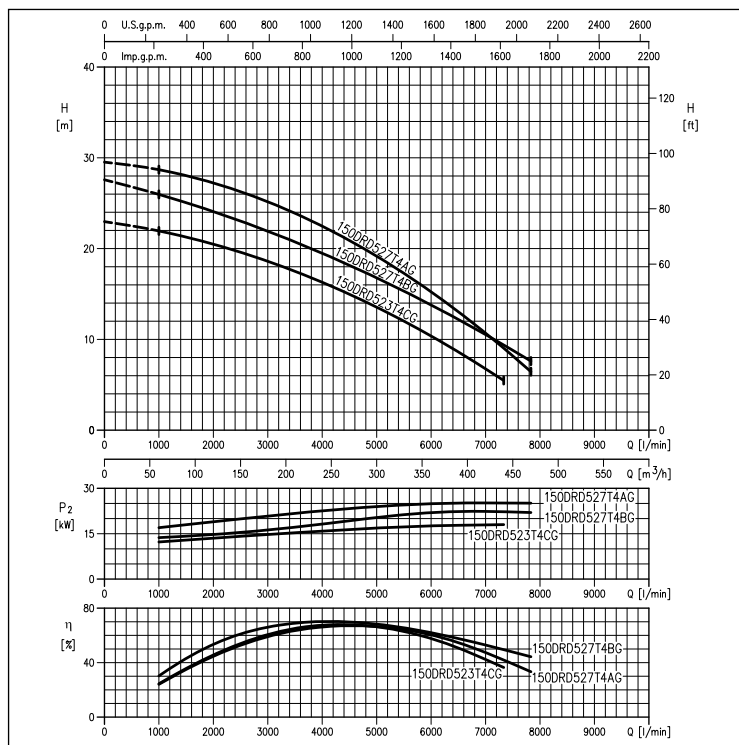
150DRD512T6AG (12 kW) - 150DRD514T6BG (14 kW)



PERFORMANCE CURVES (per ISO 9906 Annex A)

150DRD523T4CG (23 kW) - 150DRD527T4BG (27 kW)

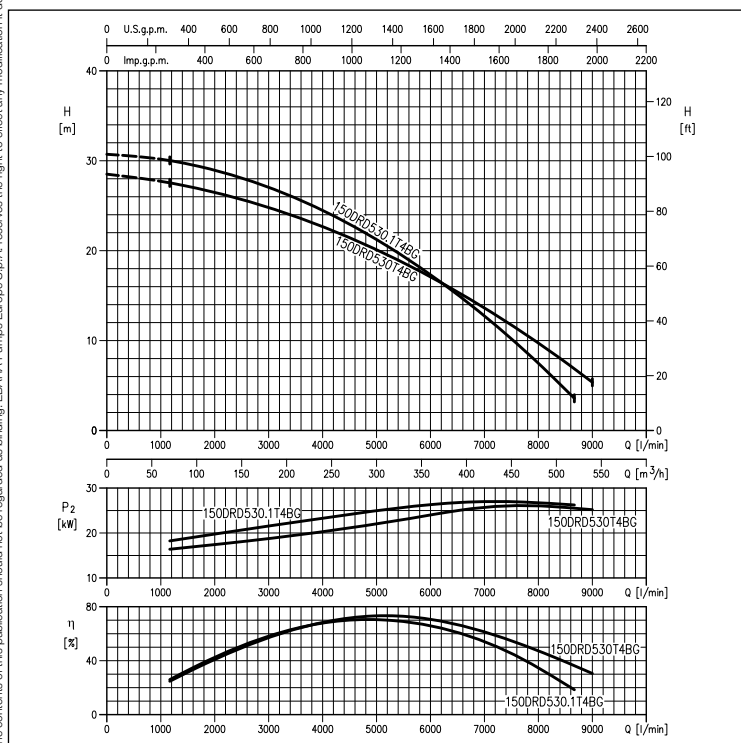
150DRD527T4AG (27 kW)



PERFORMANCE CURVES (per ISO 9906 Annex A)

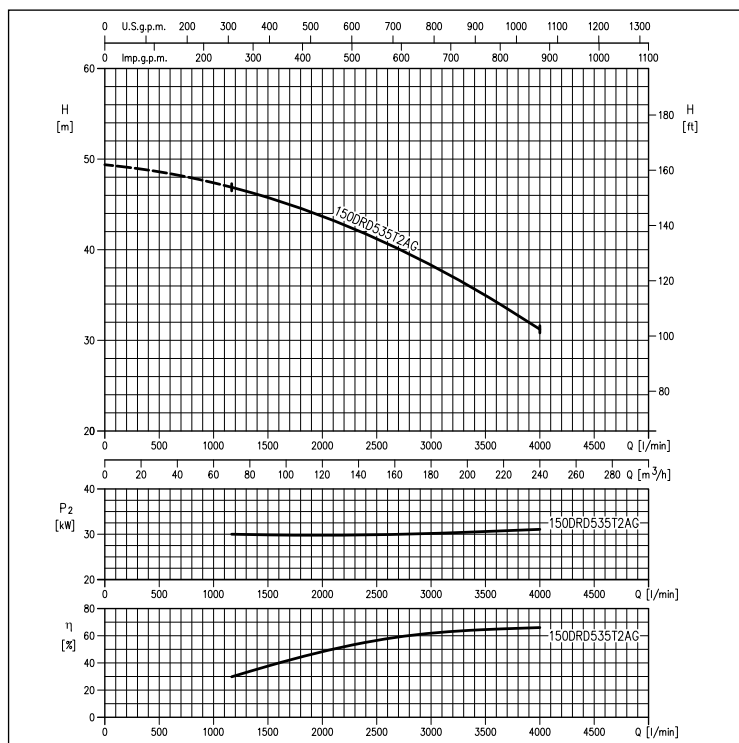
150DRD530T4BG (30 kW)

150DRD530.1T4BG (30.1 kW)



PERFORMANCE CURVES (per ISO 9906 Annex A)

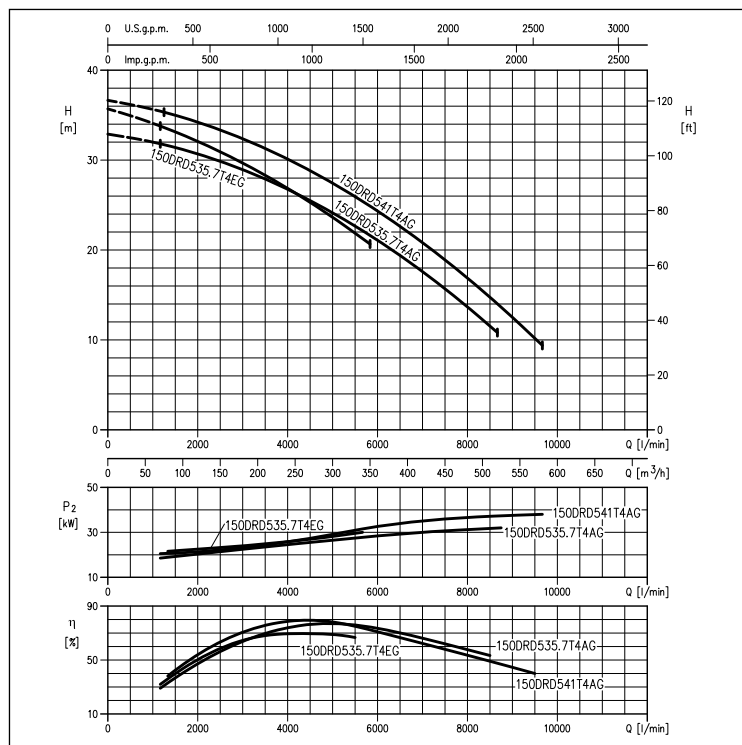
150DRD535T2AG (35 kW)



SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL) in cast iron

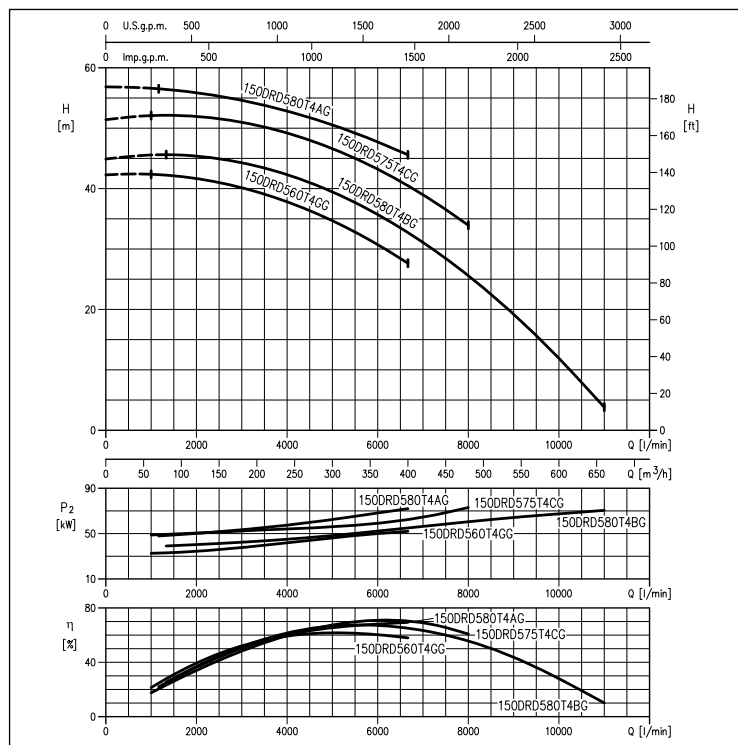
PERFORMANCE CURVES (per ISO 9906 Annex A)

150DRD535.7T4EG (35.7 kW) - 150DRD535.7T4AG (35.7 kW)
150DRD541T4AG (41 kW)



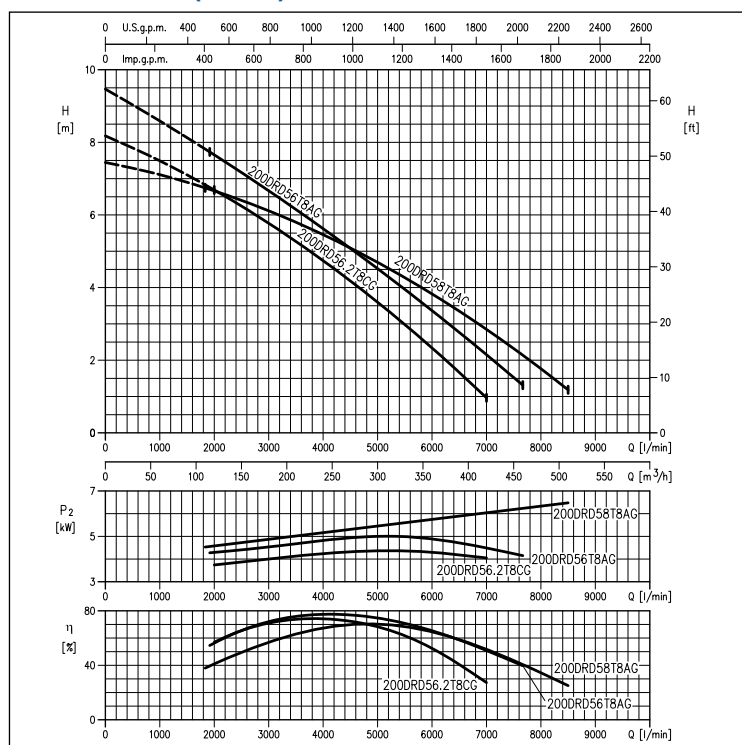
PERFORMANCE CURVES (per ISO 9906 Annex A)

150DRD560T4GG (60 kW) - 150DRD575T4CG (75 kW)
150DRD580T4BG (80 kW) - 150DRD580T4AG (80 kW)



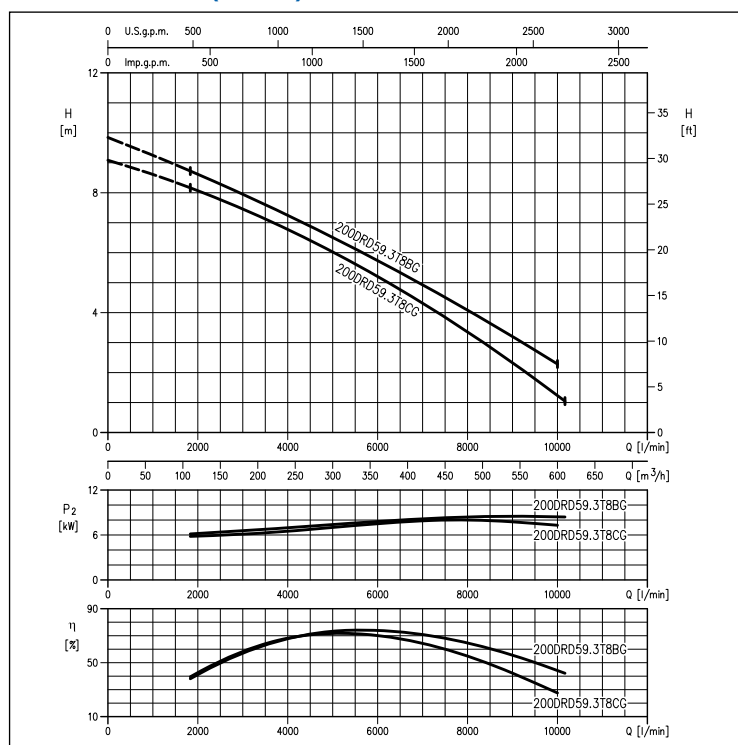
PERFORMANCE CURVES (per ISO 9906 Annex A)

200DRD56T8AG (6.0 kW) - 200DRD56.2T8CG (6.2 kW)
200DRD58T8AG (8.0 kW)



PERFORMANCE CURVES (per ISO 9906 Annex A)

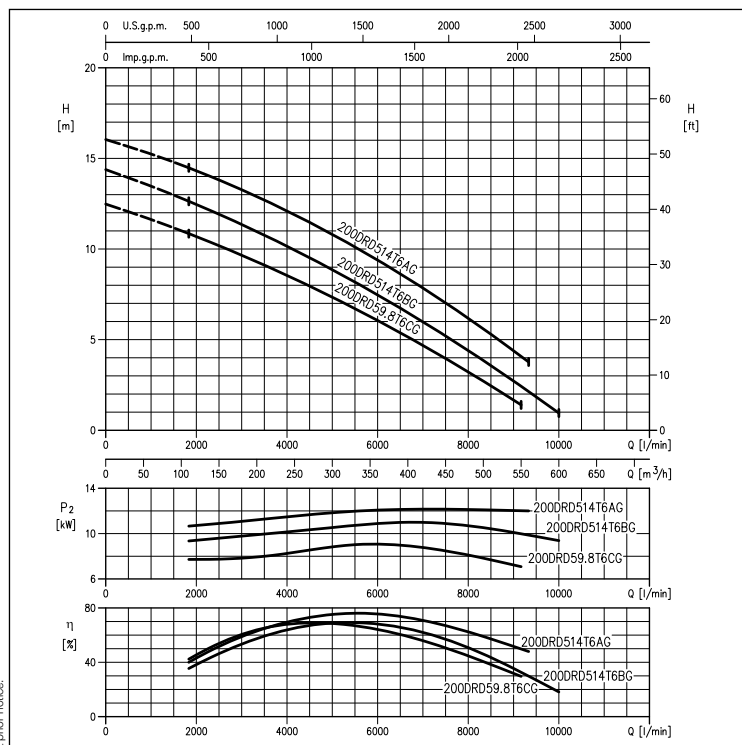
200DRD59.3T8CG (9.3 kW)
200DRD59.3T8BG (9.3 kW)



SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL) in cast iron

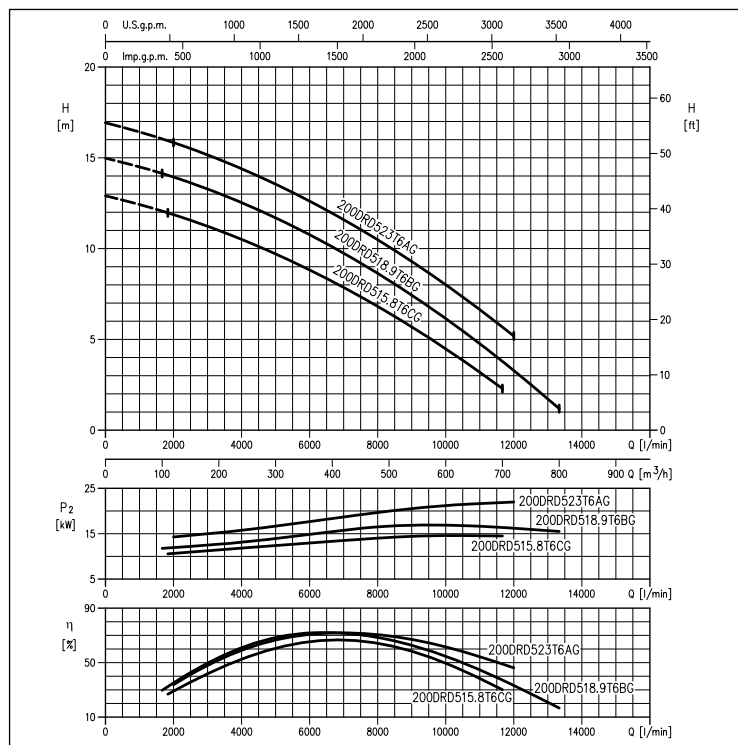
PERFORMANCE CURVES (per ISO 9906 Annex A)

200DRD59.8T6CG (9.8 kW) - 200DRD514T6BG (14 kW)
200DRD514T6AG (14 kW)



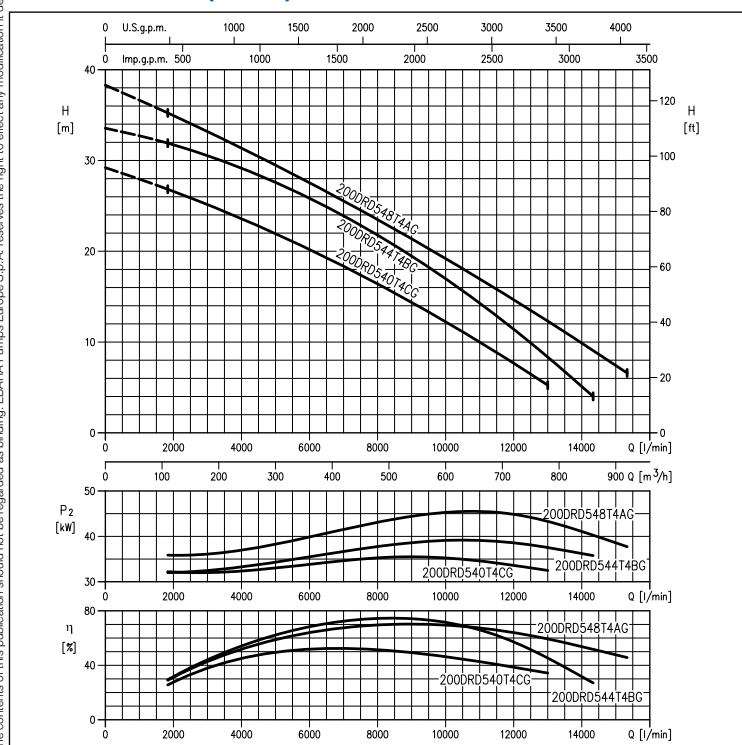
PERFORMANCE CURVES (per ISO 9906 Annex A)

200DRD515.8T6CG (15.8 kW) - 200DRD518.9T6BG (18.9 kW)
200DRD523T6AG (23 kW)



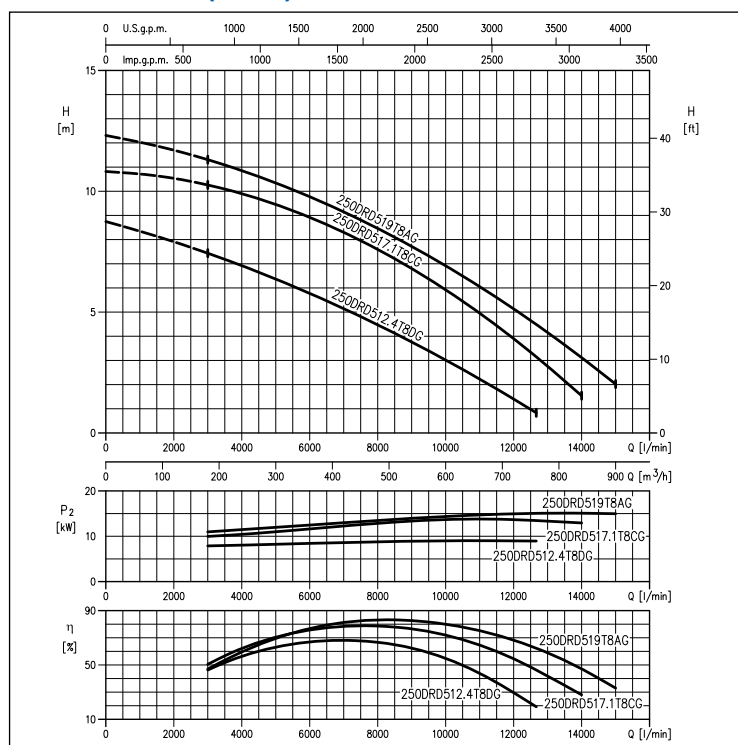
PERFORMANCE CURVES (per ISO 9906 Annex A)

200DRD540T4CG (40 kW) - 200DRD544T4BG (44 kW)
200DRD548T4AG (48 kW)



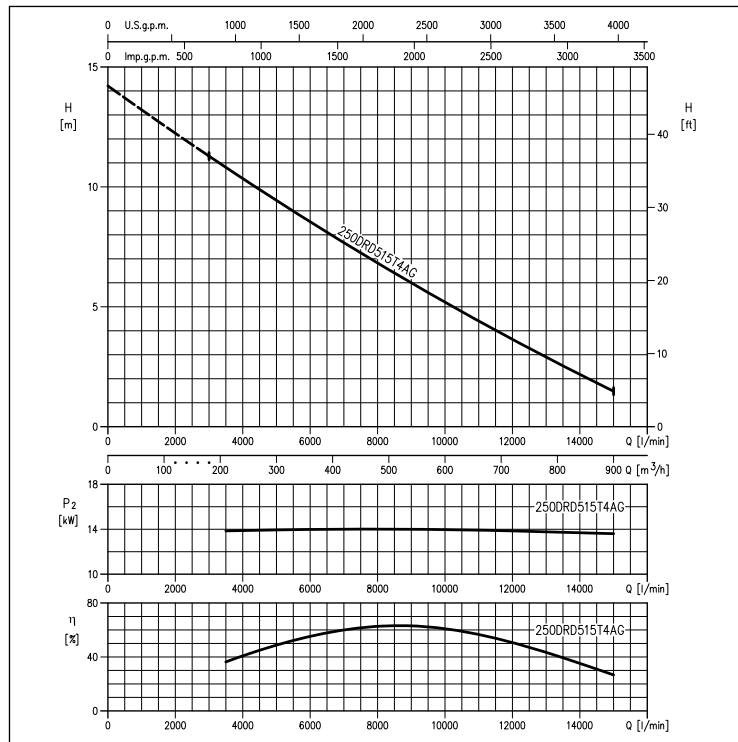
PERFORMANCE CURVES (per ISO 9906 Annex A)

250DRD512.4T8DG (12.4 kW) - 250DRD517.1T8CG (17.1 kW)
250DRD519T8AG (19 kW)

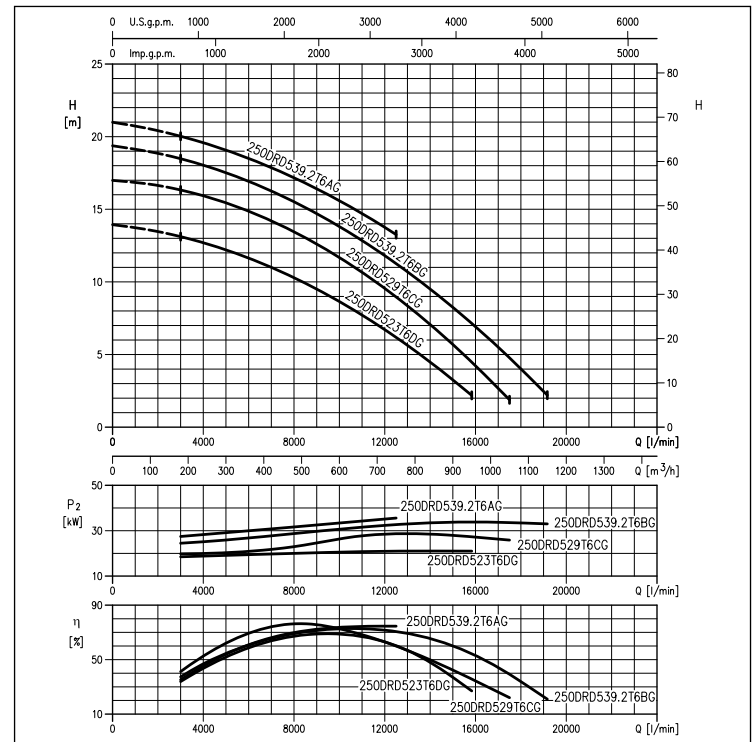


SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL) in cast iron

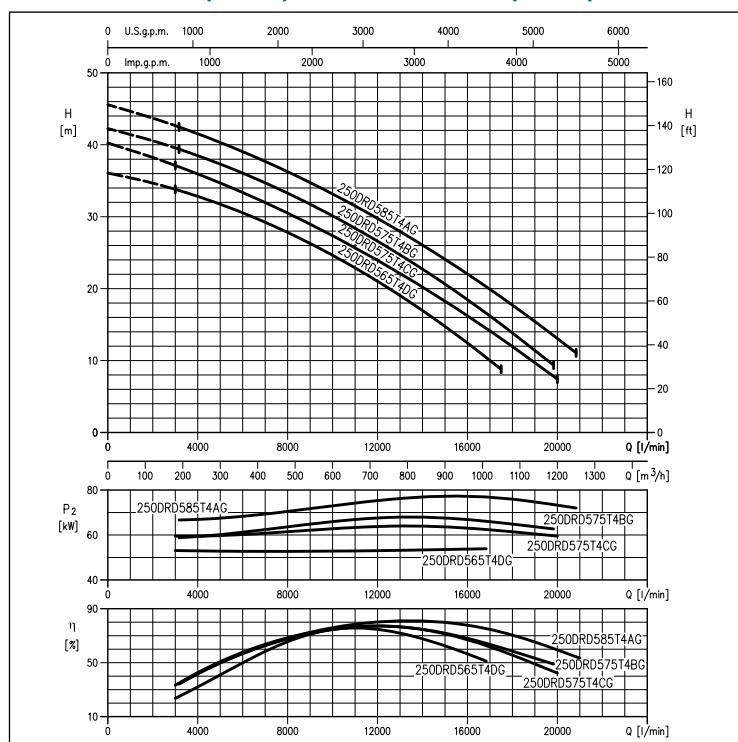
PERFORMANCE CURVES (per ISO 9906 Annex A) 250DRD515T4AG (15 kW)



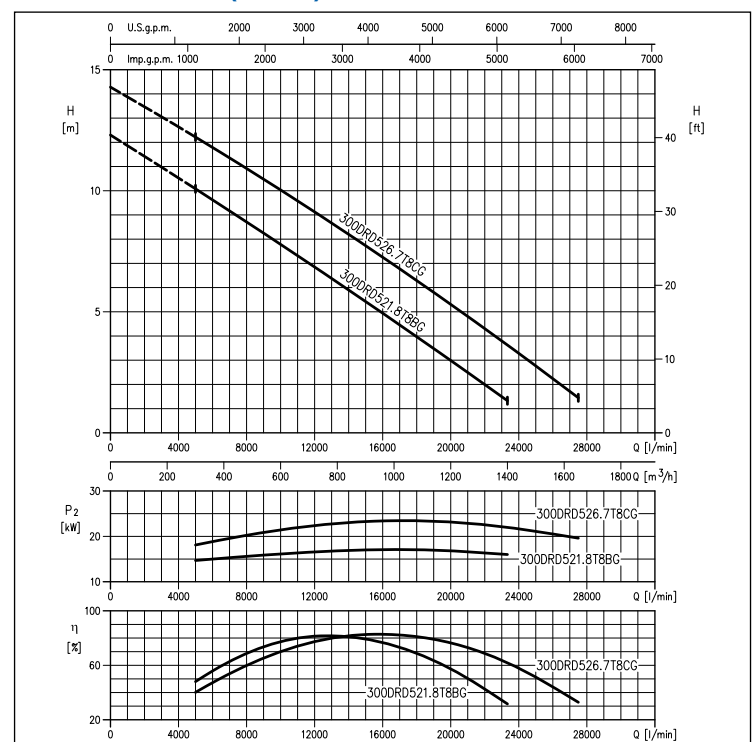
PERFORMANCE CURVES (per ISO 9906 Annex A) 250DRD523T6DG (23 kW) - 250DRD529T6CG (29 kW) 250DRD539.2T6BG (39.2 kW) - 250DRD539.2T6AG (39.2 kW)



PERFORMANCE CURVES (per ISO 9906 Annex A) 250DRD565T4DG (65 kW) - 250DRD575T4CG (75 kW) 250DRD575T4BG (75 kW) - 250DRD585T4AG (85 kW)



PERFORMANCE CURVES (per ISO 9906 Annex A) 300DRD521.8T8BG (21.8 kW) 300DRD526.7T8CG (6.7 kW)

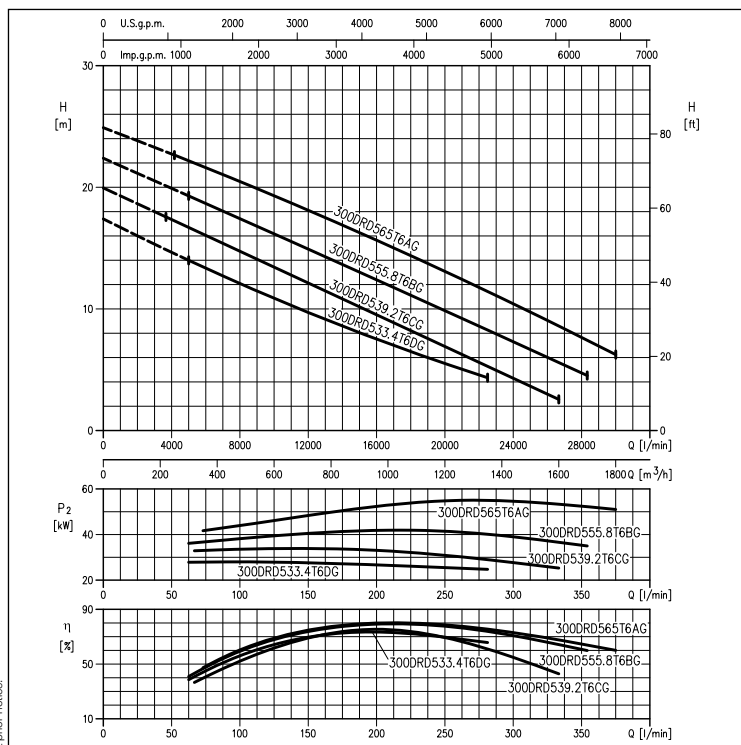


SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL) in cast iron

PERFORMANCE CURVES (per ISO 9906 Annex A)

300DRD533.4T6DG (33.4 kW) - 300DRD539.2T6CG (39.2 kW)

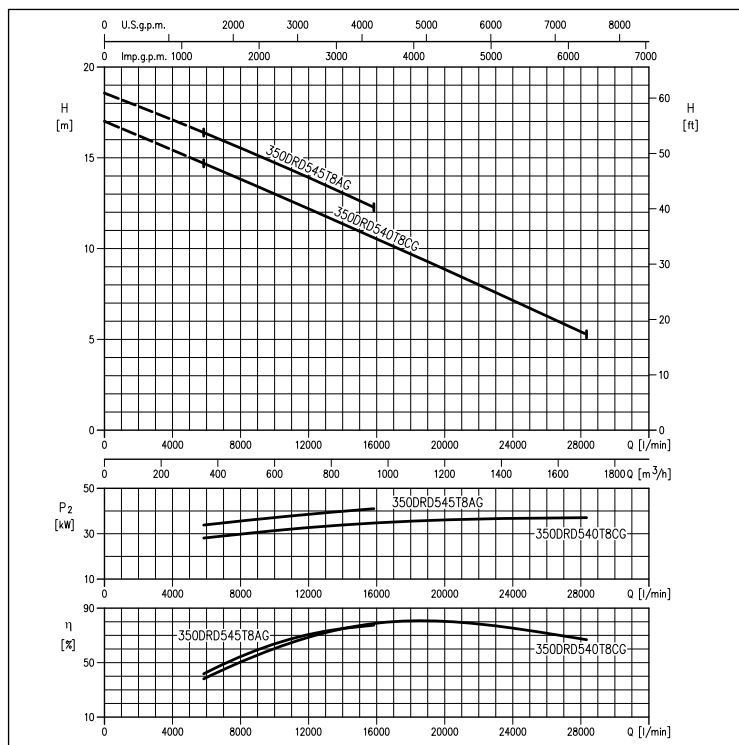
300DRD555.8T6BG (55.8 kW) - 300DRD565T6AG (65 kW)



PERFORMANCE CURVES (per ISO 9906 Annex A)

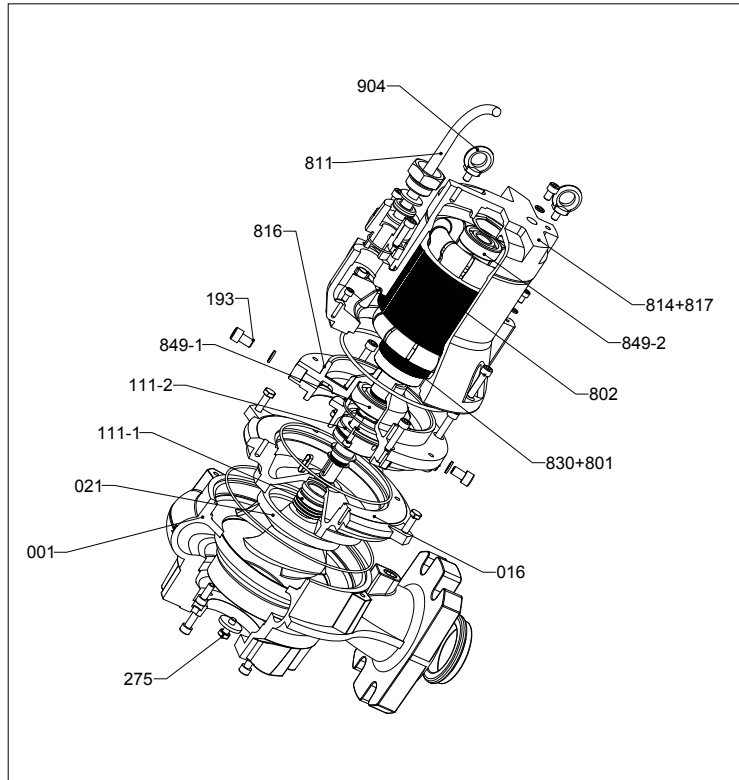
350DRD540T8CG (40 kW)

350DRD545T8AG (45 kW)

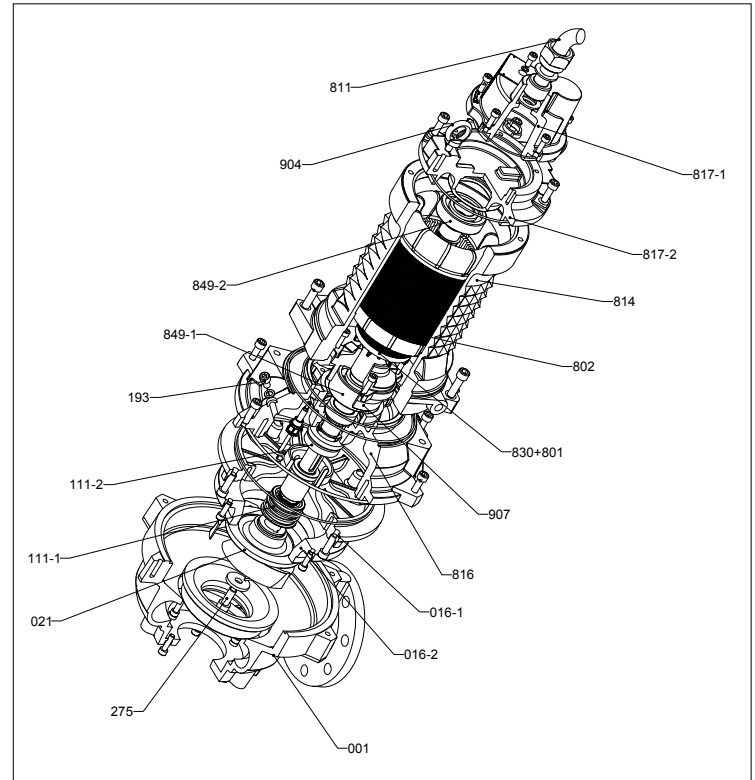


SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL) in cast iron

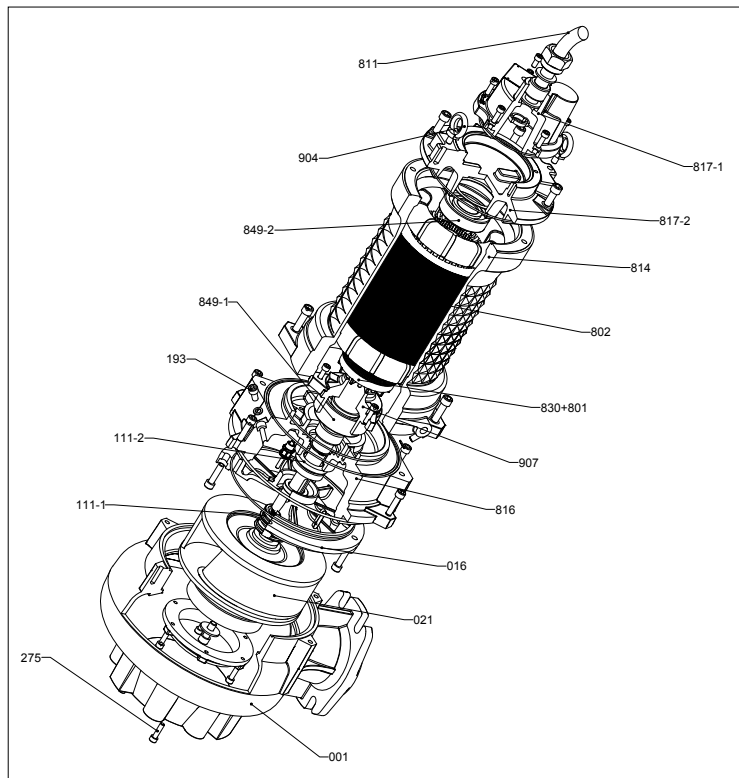
SECTIONAL VIEW 65 DRD (3.1 - 3.6 kW)



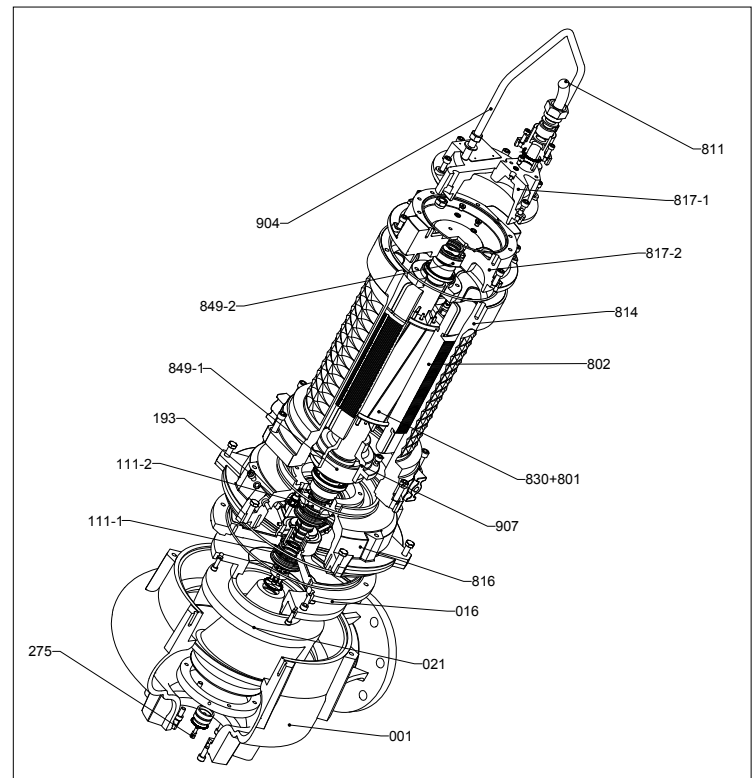
SECTIONAL VIEW 80 DRD (5.0 - 7.5 kW)



SECTIONAL VIEW 100 DRD (2.7 - 20.0 kW)

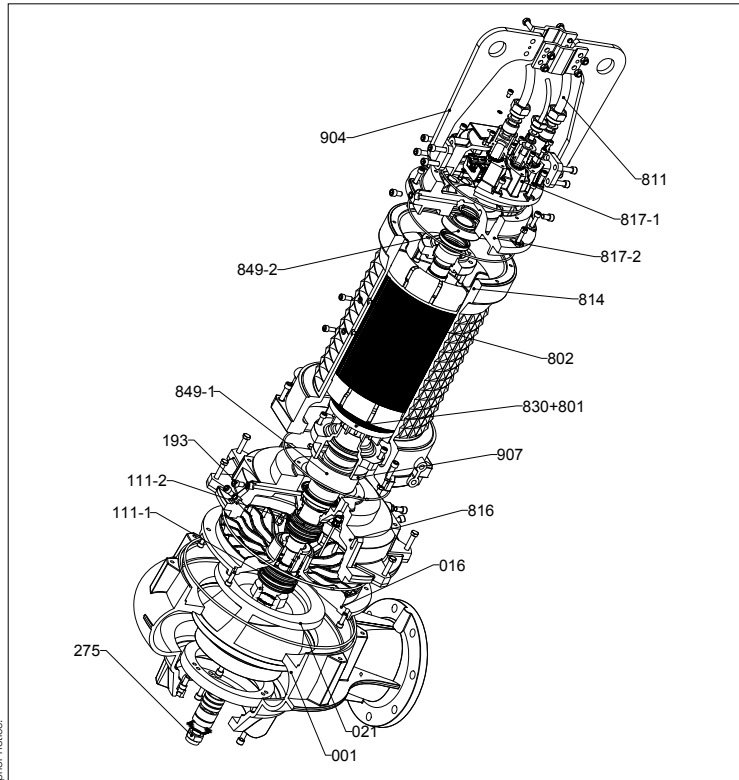


SECTIONAL VIEW 150 DRD (6.0 - 80.0 kW)

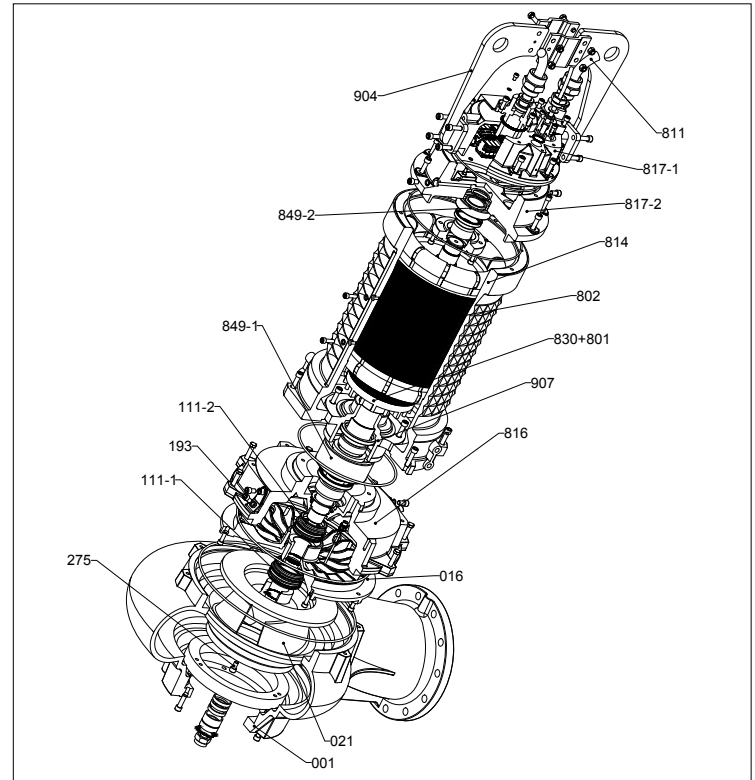


SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL) in cast iron

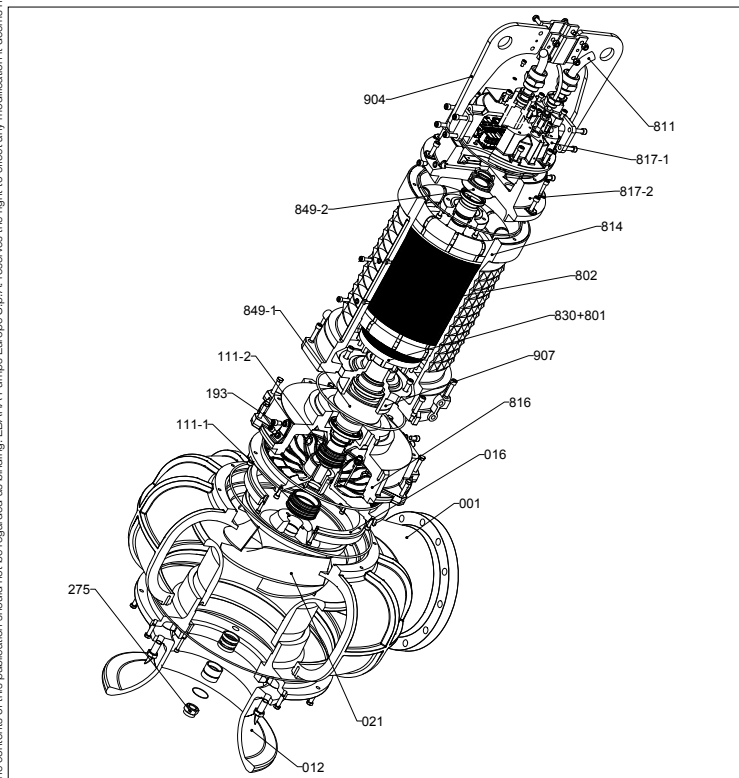
SECTIONAL VIEW 200 DRD (6.0 - 48.0 kW)



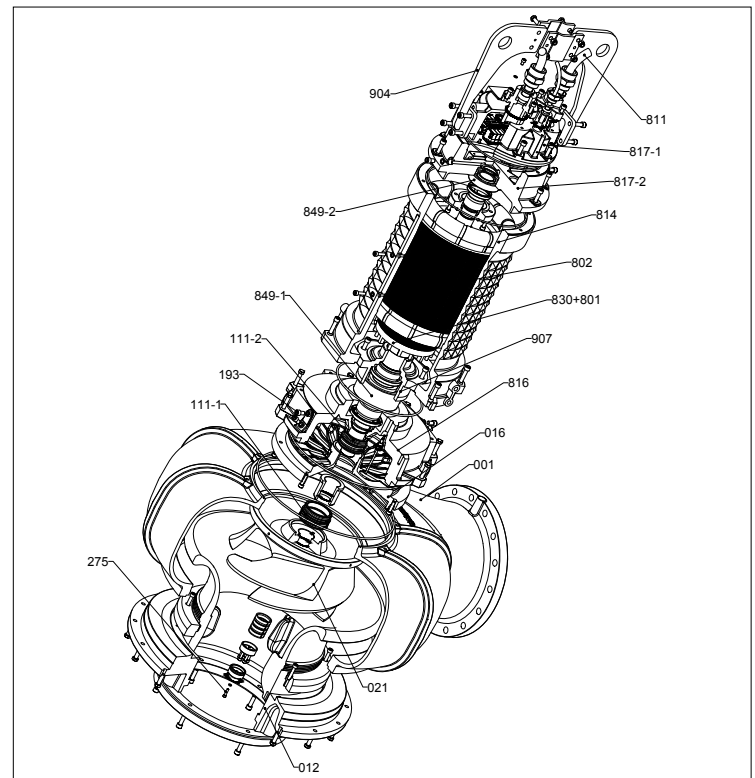
SECTIONAL VIEW 250 DRD (12.4 - 85.0 kW)



SECTIONAL VIEW 300 DRD (21.8 - 65.0 kW)



SECTIONAL VIEW 350 DRD (40.0 - 45.0 kW)



SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL) in cast iron

TABLE OF MATERIALS DRD

Ref.	Name	Material	Ref.	Name	Material
001	Pump body	Cast iron EN-GHJL-250	811	Cable	-
012	Suction side cover	Cast iron EN-GHJL-250	814	Motor casing	Cast iron EN-GHJL-250
016	Mechanical seal cover	Cast iron EN-GHJL-250	816	Upper mount	Cast iron EN-GHJL-250
021	Impeller	Cast iron EN-GHJL-250+Ni	817	Lower bearing	Cast iron EN-GHJL-250
111	Mechanical seal	-	817-1	Lower mount [1]	Cast iron EN-GHJL-250
111-1	Mechanical seal	-	817-2	Lower mount [1]	Cast iron EN-GHJL-250
111-2	Mechanical seal	-	830	Shaft	AISI 420B
193	Oil cap	NBR/stainless steel	849-1	Ball bearing	-
275	Impeller nut	AISI304 class A2	849-2	Ball bearing	-
801	Rotor	-	904	Lifting hook [2]	Steel
802	Stator	-	907	Bearing cover	Cast iron EN-GHJL-250

ELECTRICAL DATA TABLE DRD (3.1 - 14.0 kW)

[P ₂]			[kW]			3.1	3.6	5.0	6.0	7.5	2.7	2.8	4.6	4.6	7.1	7.5	10.0	10.0	12.0	14.9	16.6	18.2	20.0	6.0	8.0	12.0	14.0
Resistance at 20°C [Ω]			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GD ² [kg/m²]			0.0066	0.0055	0.0117	0.0118	0.0222	0.1050	0.1050	0.0719	0.0210	0.1183	0.0390	0.1168	0.0390	0.0230	0.0556	0.0430	0.0655	0.0664	0.2600	0.3220	0.5034	0.5602			
Voltage [V]			400	400	400/690	400/690	400/690	400	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690
Full load	0%	Current [A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Power [W]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	75%	Current [A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Efficiency [%]	87	87	89	89	90	86	86	89	84	90	90	91	91	91	92	92	92	92	92	88	89	90	91		
		Power factor [%]	0.86	0.84	0.84	0.84	0.84	0.72	0.72	0.74	0.82	0.76	0.76	0.76	0.76	0.82	0.82	0.82	0.82	0.82	0.82	0.73	0.75	0.79	0.79		
		rpm [min ⁻¹]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	100%	Current [A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Efficiency [%]	88	89	90	90	91	87	87	90	86	91	91	91	91	92	92	92	93	93	93	88	90	91	92		
		Power factor [%]	0.88	0.88	0.88	0.88	0.88	0.77	0.77	0.80	0.87	0.93	0.93	0.83	0.83	0.87	0.87	0.87	0.87	0.87	0.87	0.81	0.81	0.83	0.84		
rpm [min ⁻¹]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Torque with rotor locked [%]			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Starting current [A]			34.2	38.9	53.7	64.3	79.6	33.6	34.8	46.5	46.5	79.6	84.4	112.1	112.1	128.0	158.1	175.8	192.3	211.2	70.8	93.2	135.1	154.6			
Poles			2				6		4						2						6						
Phase			3																								
Starts per hour			15																								
Model			M209T-3.1-400/50Nn-IE3	M209T-3.6-400/50Nn-IE3	M210T-5-400/50YY-IE3	M210T-6-400/50YY-IE3	M211T-7.5-400/50YY-IE3	M609-2.7-400/50NN-IE3	M610T-2.8-400/50YY-IE3	M610T-4.6-400/50YY-IE3	M610T-4.6-400/50YY-IE3	M411T-7.1-400/50YY-IE3	M411T-7.5-400/50YY-IE3	M413T-10-400/50YY-IE3		M213T-12-400/50YY-IE3		M213T-14.9-400/50YY-IE3	M213T-16.6-400/50YY-IE3	M213T-18.2-400/50YY-IE3	M216T-20-400/50YY-IE3	M611T-6-400/50YY-IE3	M613T-8-400-50YY-IE3	M616T-12-400/50YY-IE3	M616T-14-400/50YY-IE3		
Type of pump			65DRD53.1T2CG	65DRD53.6T2BG	80DRD55T2BG	80DRD56T2AG	40DRS51.5M2BG	100DRD52.7T6AG	40DRS51.1T2CG	100DRD54.6T4CG	100DRD54.6T4BG	100DRD57.1T4BG	100DRD57.5T4FG	100DRD510T4AG	100DRD510T4FG	100DRD512T2DG	100DRD514.9T2CG	100DRD516.6T2BG	100DRD518.2T2AG	100DRD520T2AG	150DRD56T6CG	150DRD58T6BG	150DRD512T6AG	150DRD514T6BG			

SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL)

in cast iron

ELECTRICAL DATA TABLE DRD (14.0 - 85.0 kW)

[P ₂]			[kW]	23.0	27.0	27.0	30.0	30.0	35.7	35.7	41.0	35.0	40.2	52.0	60.0	75.0	80.0	80.0	6.0	9.3*	15.8	18.9	23.0	6.2	8.0	9.8	14.0	14.0																	
Resistance at 20°C [Ω]				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
GD ² [kg/m ²]				0.3364	0.1600	0.4546	0.5657	0.6358	0.6972	0.7525	0.3900	0.2799	0.1800	0.4930	1.7423	1.9338	1.9797	2.0255	0.1090	0.1540	0.8259	0.8868	1.1274	0.1090	0.1540	0.1090	0.6802	0.7721																	
Voltage [V]				400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690																	
Full load	0%	Current [A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
		Power [W]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
	75%	Current [A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
		Efficiency [%]	93	93	93	94	94	94	94	94	93	94	94	95	95	95	95	95	82	89	91	92	92	82	84	90	91	91																	
		Power factor [%]	0.80	0.80	0.80	0.84	0.84	0.83	0.83	0.83	0.82	0.82	0.83	0.86	0.86	0.86	0.86	0.86	0.70	0.72	0.79	0.81	0.84	0.70	0.72	0.75	0.79	0.79																	
		rpm [min ⁻¹]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
	100%	Current [A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
		Efficiency [%]	94	94	94	94	94	94	94	94	94	94	95	95	95	95	95	95	84	89	92	92	93	84	89	90	92	92																	
		Power factor [%]	0.84	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.88	0.90	0.90	0.90	0.90	0.90	0.74	0.76	0.84	0.85	0.88	0.74	0.76	0.81	0.84	0.84																	
rpm [min ⁻¹]			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
Torque with rotor locked [%]				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
Starting current [A]				249.0	292.6	292.6	320.4	320.4	375.2	375.2	431.3	364.6	418.9	531.6	597.7	745.2	795.3	795.3	75.1	101.0	174.6	205.3	239.5	77.8	87.2	113.9	154.6	154.6																	
Poles				4								2				4				8		6			8		6																		
Phase				3																																									
Starts per hour				15																																									
Model				M416T-23-400/50YY-IE3		M416T-27-400/50YY-IE3		M418T-30-400/50YY-IE3		M418T-35.7-400/50YY-IE3		M418T-41-400/50YY-IE3		M218T-35-400/50YY-IE3		M218T-40.2-400/50YY-IE3		M218T-52-400/50YY-IE3		M420T-60-400/50YY-IE3		M425T-75-400/50YY-IE3		M425T-80-400/50YY-IE3		M816T-6-400/50YY-IE		M816T-9.3-400/50YY-IE		M816T-15.8-400/50YY-IE		M816T-18.9-400/50YY-IE		M816T-23-400/50YY-IE		M813T-6.2-400/50YY-IE		M813T-6.2-400/50YY-IE		M813T-6.2-400/50YY-IE		M616T-14-400/50YY-IE3		M616T-14-400/50YY-IE3	
Type of pump				150DRD523T4CG	150DRD527T4BG	150DRD527T4AG	150DRD530T4BG	150DRD530.1T4BG	150DRD535.7T4EG	150DRD535.7T4AG	150DRD541T4AG	150DRD535T2AG	150DRD540.2T2BG	150DRD552T2CG	150DRD560T4GG	150DRD575T4CG	150DRD580T4BG	150DRD580T4AG	200DRD56T8AG	200DRD59.3T8CG	200DRD59.3T8BG	200DRD515.8T6CG	200DRD518.9T6BG	200DRD523T6AG	200DRD56.2T8CG	200DRD58T8AG	200DRD59.8T6CG	200DRD514T6BG	200DRD514T6AG																

SUBMERSIBLE ELECTRIC PUMPS FOR FOUL WASTE WATER (MULTI CHANNEL)

in cast iron

ELECTRICAL DATA TABLE DRD (14.0 - 85.0 kW)

[P ₂]			[kW]	40.0	44.0	48.0	12.4	17.1	23.0	19.0	29.0	15.0	39.2	39.2	65.0	75.0	75.0	85.0	21.8	26.7	33.4	39.2	55.8	65.0	40.0	45.0	
Resistance at 20°C [Ω]				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GD ² [kg/m ²]				0.8331	0.9750	0.9994	0.3450	0.5770	1.0678	0.5770	1.3011	0.0980	2.0871	2.1452	1.8865	2.0663	2.0250	2.1029	1.4606	1.5040	1.2610	1.9286	2.9559	2.9720	2.1200	2.4300	
Voltage [V]				400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690	400/690
Full load	0%	Current [A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Power [W]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	75%	Current [A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Efficiency [%]	94	94	94	89	89	92	89	93	92	93	93	95	95	95	95	93	89	93	93	94	94	91	91		
		Power factor [%]	0.83	0.83	0.83	0.72	0.75	0.84	0.75	0.82	0.79	0.80	0.80	0.86	0.86	0.86	0.86	0.80	0.76	0.82	0.80	0.82	0.82	0.76	0.76		
		rpm [min ⁻¹]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	100%	Current [A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Efficiency [%]	94	95	95	89	89	93	89	93	93	94	94	95	95	95	95	94	90	93	94	95	95	91	92		
		Power factor [%]	0.86	0.86	0.86	0.76	0.79	0.88	0.79	0.85	0.84	0.85	0.85	0.90	0.90	0.90	0.90	0.85	0.80	0.85	0.85	0.86	0.86	0.80	0.80		
	rpm [min ⁻¹]		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Torque with rotor locked [%]				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Starting current [A]				420.7	460.8	502.7	143.1	186.0	239.5	206.7	311.5	164	418.9	418.9	647.2	745.2	745.2	844.9	240.4	294.2	358.7	418.9	584.1	680.3	404.4	485.6	
Poles				4				8				6		8		6				8				8			
Phase																											
Starts per hour																											
Model				M420T-40-400/50YY-IE3	M420T-44-400/50YY-IE3	M420T-48-400/50YY-IE3	M816T-12.4-400/50YY-IE	M816T-17.1-400/50YY-IE	M816T-23-400/50YY-IE	M818T-19-400/50YY-IE	M818T-19-400/50YY-IE	M416T-15-400/50YY-IE3	M620T-39.2-400/50YY-IE3		M425T-65-400/50YY-IE3	M425T-75-400/50YY-IE3		M425T-85-400/50YY-IE3	M620T-21.8-400/50YY-IE3	M620T-26.7-400/50YY-IE3	M620T-33.4-400/50YY-IE3	M620T-39.2-400/50YY-IE3	M626T-55.8-400/50YY-IE3	M626T-65-400/50YY-IE3	M825T-40-400/50YY-IE	M825T-45-400/50YY-IE	
Type of pump				200DRD540T4CG	200DRD544T4BG	200DRD548T4AG	250DRD512.4T8DG	250DRD517.1T8CG	250DRD523T6DG	250DRD519T8AG	250DRD529T6CG	250DRD515T4AG	250DRD539.2T6BG	250DRD539.2T6AG	250DRD565T4DG	250DRD575T4CG	250DRD575T4BG	250DRD585T4AG	300DRD521.8T8BG	300DRD526.7T8CG	300DRD533.4T6DG	300DRD539.2T6CG	300DRD555.8T6BG	300DRD565T6AG	350DRD540T8CG	350DRD545T8AG	