



Heavy-duty ,Excellent Durability and Reliability- safeland quality

WQ-SG SERIES



WQ-SG

Stainless Steel SS304 SS316 SS316L
water and acid
Semi-Open Impeller Series



Stainless Steel Sewage Wastewater Submersible Pump

FEATURES:

Precision casting with the use of an advanced stainless investment casting method, produces the highest quality with a smooth surface finish.

Standard accessories include : cable with an epoxy resin sealed water-resistant cable base, Auto-cut motor protector, dual mechanical seals and oil seal design.

Chemically protected Viton O-rings to handle acidic and corrosive fluids.

Pump hydraulic body made of corrosion resistant SUS316L SUS316 SUS304 stainless steel material, to handle low pH value chemical media and/or seawater applications.

SUS316L is better than SUS304& SUS316 in water application of light acid-base.

pH2~10 (As reference at operating temperature range 0 - 40°C. 60-90°C can make special order)

APPLICATIONS:

Wastewater treatment in food and wine-making industry.

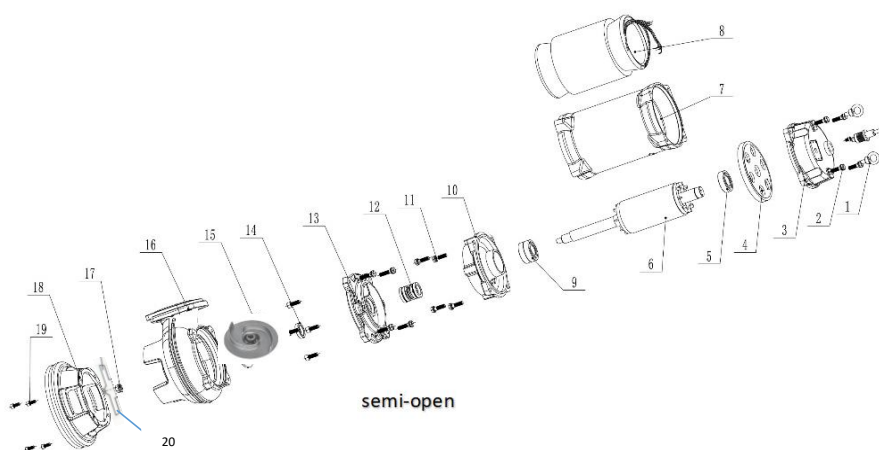
Wastewater treatment of acid fluid in gold mining, petroleum industry and dyeing industry.

Chemicals, low pH, corrosive and sea water applications.

SPECIFICATIONS

Item		Description
Limits of Use	Liquid Temp.	0~40°C (32~104°F) (60°C -90°C special order)
	Applications	Corrosive • Food • Processing Liquids
Type	Frequency	50Hz
	Motor	2P(3000rpm) • Dry Motor
	Insulation	Class F
	Protection	IP68
	Protector	Auto-cut (0.5HP 3Ø~10HP) • MTS & MS(15~20HP)
	Bearing	Ball type
	M.seal	Double M.seals (alloy to silicon)
	Impeller	Vortex • Semi-Open
	Cable	VCT or H07RN-F
Optional	Pump can be customized to fit specifications	

SUS304 SUS316 SUS316L WQ-SG SERIES CONSTRUCTION



item	parts	Material
1	ring	SUS304 / SUS316 /SUS316L
2	screw	SUS304 / SUS316 /SUS316L
3	capacitor cover	SUS304 / SUS316 /SUS316L
4	upper cover	SUS304 / SUS316 /SUS316L
5	bearing	standard component
6	rotor	shaft in pump by SUS304 /SUS316/SUS316L(in motor by
7	motor casing	SUS304 / SUS316 /SUS316L
8	stator core with winding	cold silicon600 /copper wire
9	bearing	standard component
10	oil chamber	SUS304 / SUS316 /SUS316L
11	screw	SUS304 / SUS316 /SUS316L
12	mechanical seal	alloy
13	oil chamber cover	SUS304 / SUS316 /SUS316L
14	oil seal	NBR /viton/ PTFE
15	impeller(chanel impeller ,vertex impeller)	SUS304 / SUS316 /SUS316L
16	pump body	SUS304 / SUS316 /SUS316L
17	screw	SUS304 / SUS316 /SUS316L
18	base	SUS304 / SUS316 /SUS316L
19	screw	SUS304 / SUS316 /SUS316L
20	Stir	SUS304 / SUS316 /SUS316L



Semi-open impeller



STIR

ACCESSORIES :

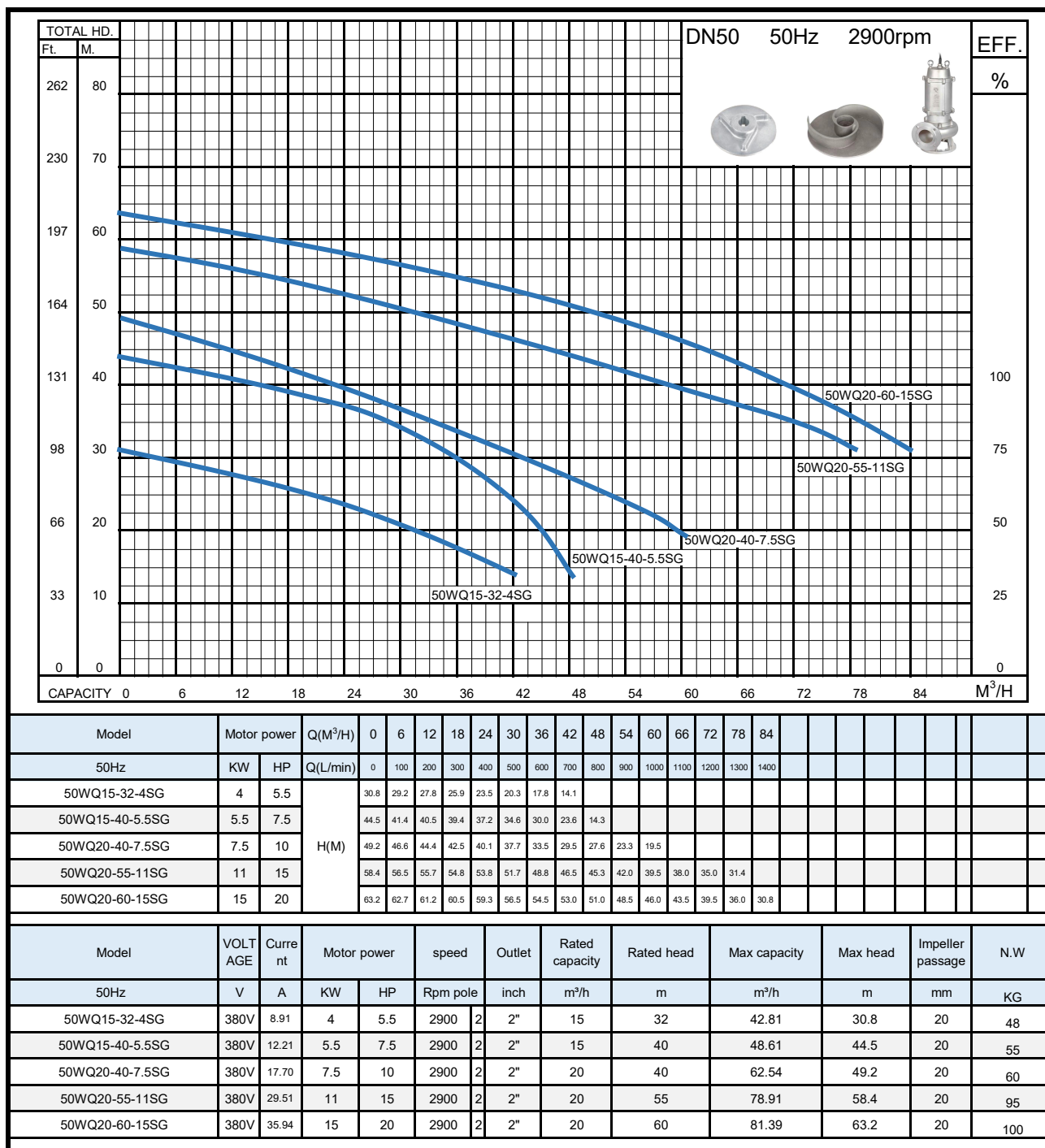
ELBOW (SUS316L SUS316 SUS304) - GUIDE RAIL SYSTEMS (SUS316L SUS316 SUS304)

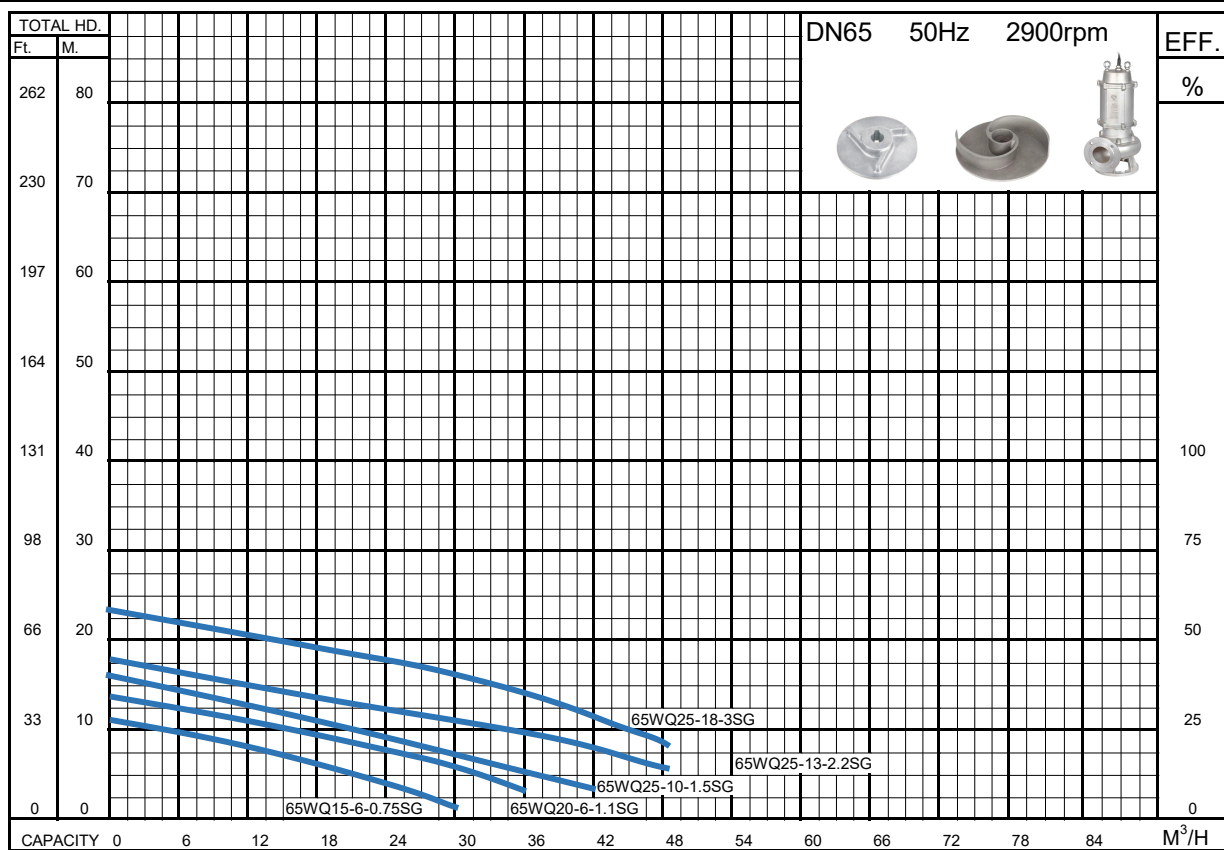


PRODUCT NOMENCLATURE

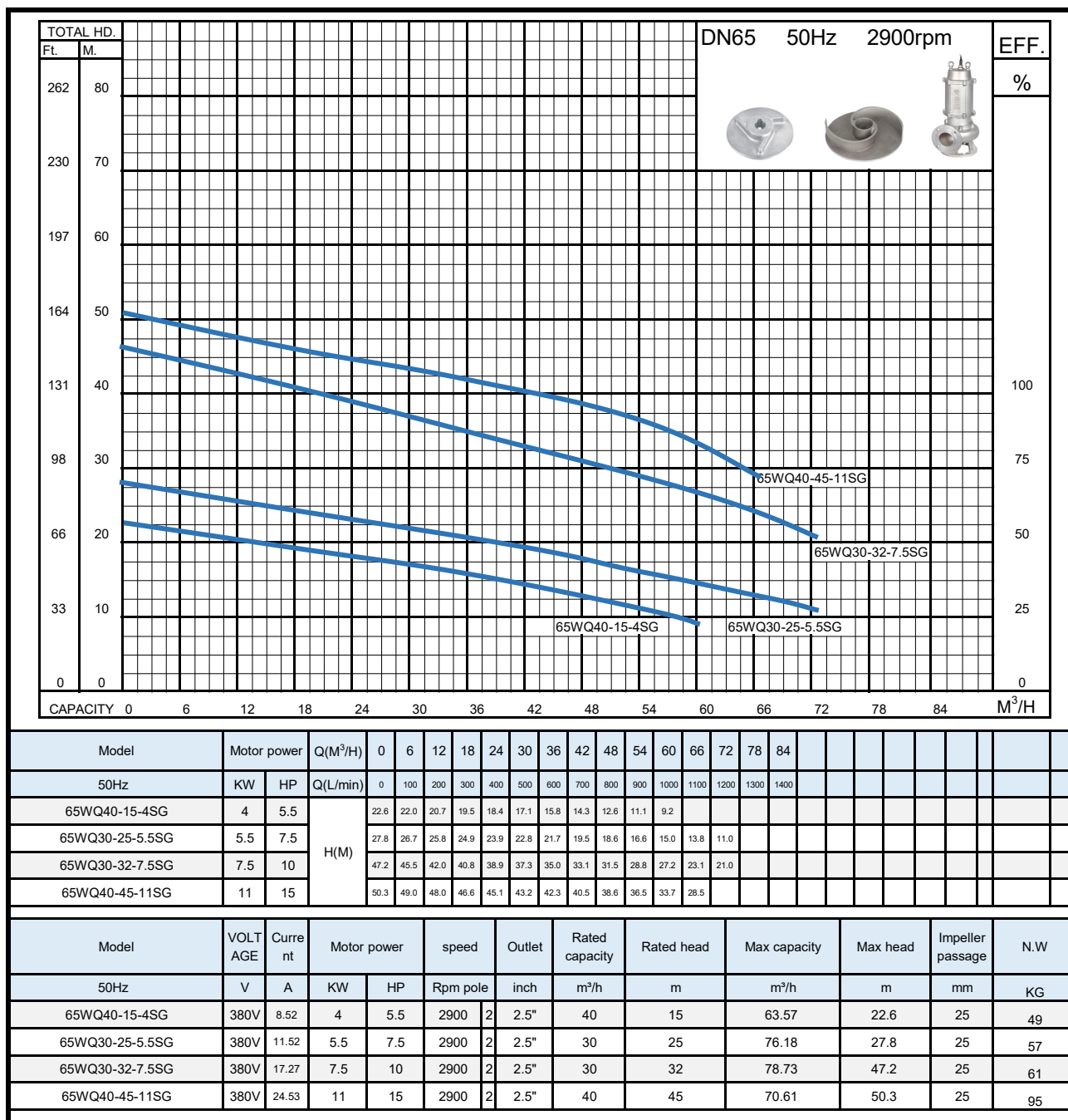
50WQ9-22-2.2SG

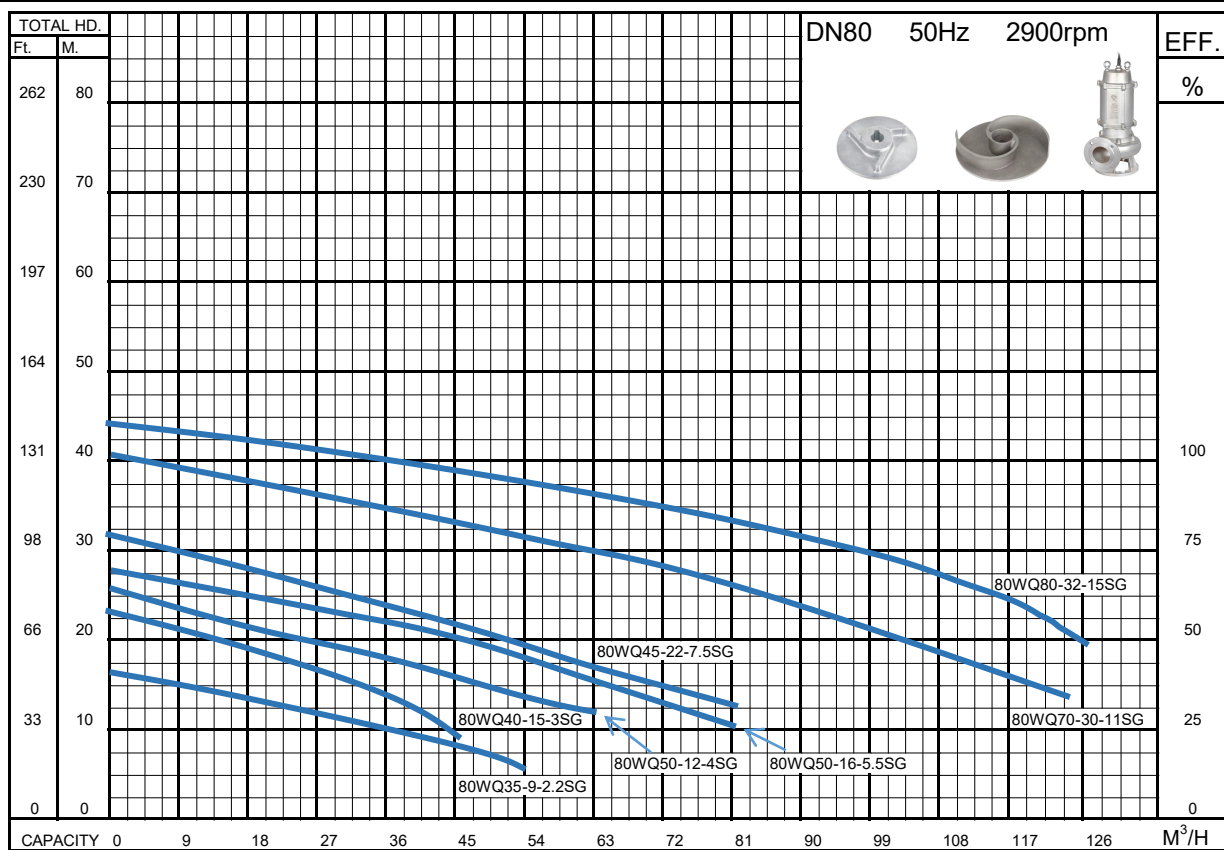
50	outlet size(mm)
WQ	WQ submersible sewage pump
9	rated flow (m ³ /h)
22	rated head (M)
2.2	rated power (KW)
S	S material SUS304 SUS316 SUS316L
G	Semi-Open vertex implier and grinder



[illegible]

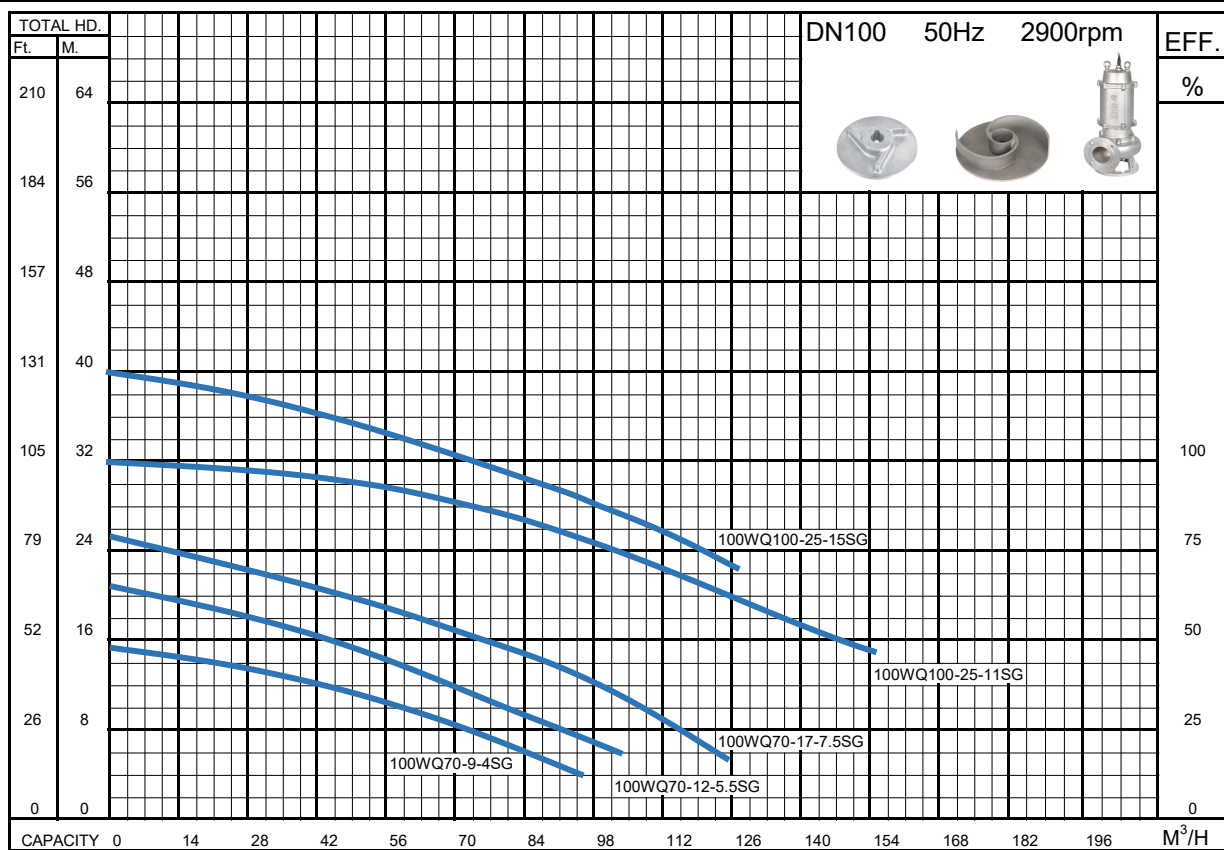
Model	VOLTAGE	Current	Motor power		speed		Outlet	Rated capacity	Rated head	Max capacity	Max head	Impeller passage	N.W
50Hz	V	A	KW	HP	Rpm	pole	inch	m³/h	m	m³/h	m	mm	KG
65WQD15-6-0.75SG	220V	5.46	0.75	1	2900	2	2.5"	15	6	27.20	11.1	25	21.5
65WQ15-6-0.75SG	380V	1.76	0.75	1	2900	2	2.5"	15	6	27.20	11.1	25	21.5
65WQD20-6-1.1SG	220V	6.25	1.1	1.5	2900	2	2.5"	20	6	36.16	14.1	25	22
65WQ20-6-1.1SG	380V	2.41	1.1	1.5	2900	2	2.5"	20	6	36.16	14.1	25	22
65WQD25-10-1.5SG	220V	8.52	1.5	2	2900	2	2.5"	25	10	41.53	15.8	25	28
65WQ25-10-1.5SG	380V	3.25	1.5	2	2900	2	2.5"	25	10	41.53	15.8	25	28
65WQD25-13-2.2SG	220V	13.20	2.2	3	2900	2	2.5"	25	13	50.67	18.0	25	31.5
65WQ25-13-2.2SG	380V	4.61	2.2	3	2900	2	2.5"	25	13	50.67	18.0	25	31.5
65WQ25-18-3SG	380V	6.46	3	4	2900	2	2.5"	25	18	52.27	24.1	25	35.5





Model	Motor power		Q(M³/H)	0	9	18	27	36	45	54	63	72	81	90	99	108	117	126										
50Hz	KW	HP	Q(L/min)	0	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100										
80WQD35-9-2.2SG	2.2	3	H(M)	17.2	15.5	13.5	11.7	10.3	8.0	5.2																		
80WQ35-9-2.2SG	2.2	3		17.2	15.5	13.5	11.7	10.3	8.0	5.2																		
80WQ40-15-3SG	3	4		23.1	21.5	19.6	16.7	14.0	9.0																			
80WQ50-12-4SG	4	5.5		25.7	24.0	22.0	20.5	18.0	16.0	13.8	12.5																	
80WQ50-16-5.5SG	5.5	7.5		27.8	26.5	25.5	23.7	21.8	20.1	18.1	15.2	12.6	10.2															
80WQ45-22-7.5SG	7.5	10		32.2	30.0	28.1	26.6	24.3	22.3	20.0	17.5	14.0	12.0															
80WQ70-30-11SG	11	15		40.5	39.0	37.5	36.4	35.2	34.0	32.3	30.2	28.0	26.5	23.8	21.0	18.5	16.0	13.1										
80WQ80-32-15SG	15	20		44.7	43.7	42.9	41.8	40.9	40.6	38.5	36.8	35.3	33.5	32.1	30.0	27.5	24.0	20.0										

Model	VOLT AGE	Curre nt	Motor power		speed		Outlet	Rated capacity	Rated head	Max capacity		Max head	Impeller passage	N.W
50Hz	V	A	KW	HP	Rpm pole	inch	m³/h	m	m²/h	m	m	mm	KG	
80WQD35-9-2.2SG	220V	13.20	2.2	3	2900	2	3"	35	9	56.81	17.2	30	33	
80WQ35-9-2.2SG	380V	4.11	2.2	3	2900	2	3"	35	9	56.81	17.2	30	33	
80WQ40-15-3SG	380V	6.22	3	4	2900	2	3"	40	15	45.80	23.1	30	37	
80WQ50-12-4SG	380V	7.53	4	5.5	2900	2	3"	50	12	71.84	25.7	30	50	
80WQ50-16-5.5SG	380V	11.85	5.5	7.5	2900	2	3"	50	16	89.04	27.8	30	59	
80WQ45-22-7.5SG	380V	12.50	7.5	10	2900	2	3"	45	22	88.00	32.2	30	64	
80WQ70-30-11SG	380V	21.89	11	15	2900	2	3"	70	30	127.25	40.5	30	100	
80WQ80-32-15SG	380V	27.22	15	20	2900	2	3"	80	32	119.31	44.7	30	105	



Model	Motor power		Q(M³/H)	0	14	28	42	56	70	84	98	112	126	140	154	168	182	196														
50Hz	KW	HP	Q(L/min)	0	233.3	466.7	700	933.3	1167	1400	1633	1867	2100	2333	2567	2800	3033	3267														
100WQ70-9-4SG	4	5.5	H(M)	15.8	14.7	13.9	12.2	10.5	8.4	6.0	4.0																					
100WQ70-12-5.5SG	5.5	7.5		21.0	19.4	18.1	16.2	14.5	12.0	9.5	7.0	6.0																				
100WQ70-17-7.5SG	7.5	10		25.8	24.0	22.5	20.6	19.0	17.0	14.3	12.2	9.0	5.4																			
100WQ100-25-11SG	11	15		32.0	32.0	32.0	31.0	28.5	27.2	25.7	24.6	22.5	20.8	17.5	15.0																	
100WQ100-25-15SG	15	20		40.0	39.0	38.5	36.0	34.5	32.0	30.7	27.0	23.0	22.0																			

Model	VOLTAGE	Current	Motor power		speed		Outlet	Rated capacity	Rated head	Max capacity	Max head	Impeller passage	N.W
50Hz	V	A	KW	HP	Rpm	pole	inch	m³/h	m	m³/h	m	mm	KG
100WQ70-9-4SG	380V	8.24	4	5.5	2900	2	4"	70	9	96.33	15.8	50	52
100WQ70-12-5.5SG	380V	9.77	5.5	7.5	2900	2	4"	70	12	102.10	21.0	50	61
100WQ70-17-7.5SG	380V	12.58	7.5	10	2900	2	4"	70	17	124.37	25.8	50	66
100WQ100-25-11SG	380V	22.79	11	15	2900	2	4"	100	25	184.15	32.0	50	100
100WQ100-25-15SG	380V	26.24	15	20	2900	2	4"	100	25	163.51	40.0	50	105

