SUBMERSIBLE SEWAGE PUMPS “WQH”



TECHNICAL FEATURES

- Suitable for dirty water that is not chemically aggressive to the pump materials.
- Reliable and easy to use: suitable for clearing dirty water, discharging domestic waste water and emptying collection traps containing particles up to Ø 40 mm.



WQH0.55~2.2



WQH3.0~7.5

MOTOR

- Two-pole induction motor (n = 2850 rpm)
- Insulation class B; protection IP68
- Continuous service S1
- Thermal protector on single-phase versions
- Single-phase 220 V / 50 Hz (60 Hz on request)
- Three-phase 380 V / 50 Hz (60 Hz on request)

WORKING CONDITION

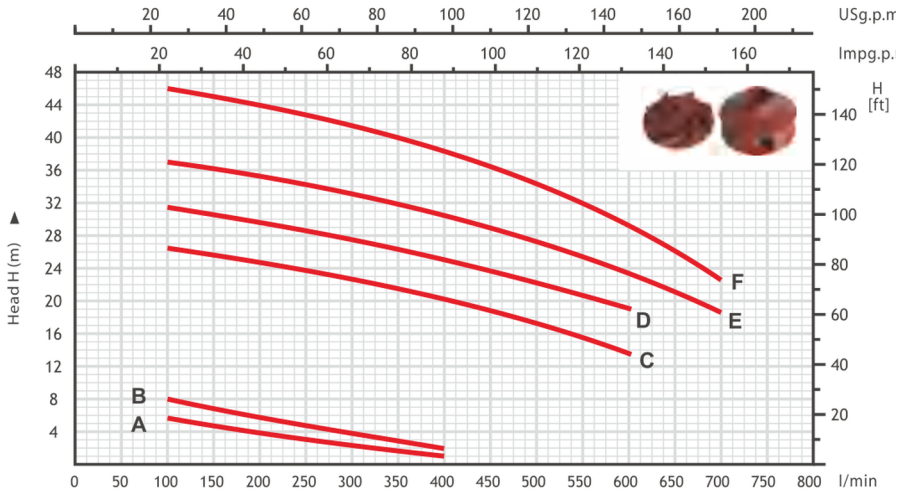
- Maximum immersion depth 5 m
- Liquid temperature up to 35 °C
- Ambient temperature up to 40 °C

SUBMERSIBLE SEWAGE PUMPS “WQH”

MATERIALS

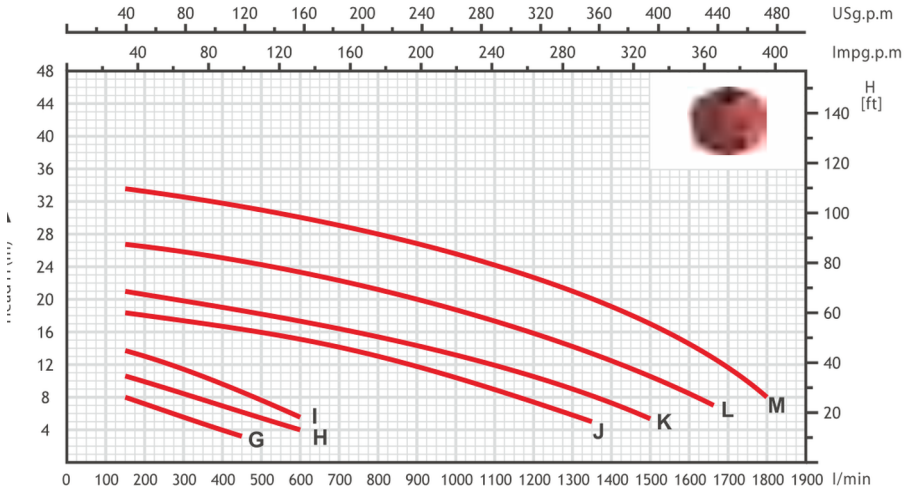
COMPONENT	CONSTRUCTION
Pump body	Cast iron
Motor housing	Cast iron
Impeller	Cast iron
Motor shaft	AISI 304 SS
Mechanical seal	SiC / SiC (0.55~2.2 kW); Alloy / SiC (3.0~7.5 kW)
Cable	8 m power cable with plug

PERFORMANCE CHART AT n = 2850 RPM



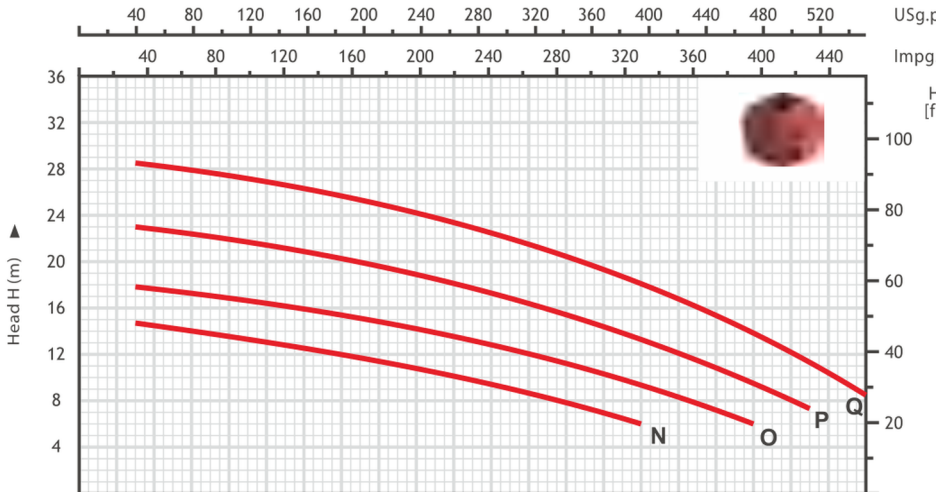
NO.	MODEL	POWER kW	POWER HP	Q (m³/h)	0	6	12	18	24	30	36	42
				Q (l/min)	0	100	200	300	400	500	600	700
A	50WQH550	0.55	0.75	H (m)	8.5	6	4	2.5	1			
B	50WQH750	0.75	1	H (m)	10.5	8.5	6.5	4	2			
C	50WQH3000	3	4	H (m)	27.5	26.8	25	22.5	20.3	17.8	13.7	
D	50WQH4000	4	5.5	H (m)	32	31.8	30	27.8	25.3	22.5	19	
E	50WQH5500	5.5	7.5	H (m)	38.5	37.1	34.7	32.2	29.3	26.5	23.5	18.9
F	50WQH7500	7.5	10	H (m)	47.5	46	43.3	40.8	38	34	32.3	22.7

SUBMERSIBLE SEWAGE PUMPS “WQH”

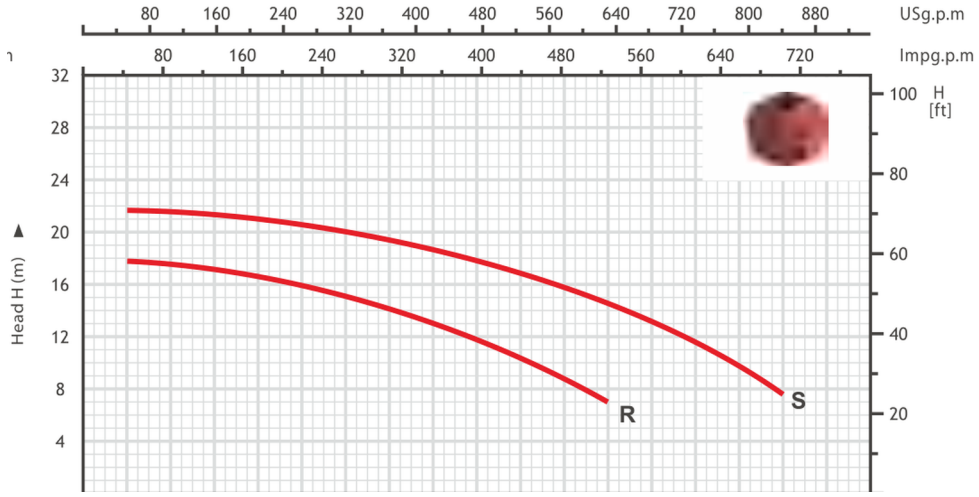


NO.	MODEL	POWER kW	POWER HP	Q (m³/h)	0	9	18	27	36	45	54	63	72	81	90	99	108
				Q (l/min)	0	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800
G	80WQH1100	1.1	1.5	H (m)	10.5	8	5.5	3.3									
H	80WQH1500	1.5	2	H (m)	13	10.8	8.5	4.2	4								
I	80WQH2200	2.2	3	H (m)	16	13.8	11.5	8.2	5.8								
J	80WQH3000	3	4	H (m)	18.5	18.3	17.5	16.4	15.4	14	12.3	10	8	5.2			
K	80WQH4000	4	5.5	H (m)	21.5	20.9	20	19	18	16.8	15.2	13	10.5	8	5.5		
L	80WQH5500	5.5	7.5	H (m)	28	26.9	25.6	24.3	23.3	22.2	20.7	19	16.8	13.9	11	7.2	
M	80WQH7500	7.5	10	H (m)	33.5	32.7	31.6	30.1	28.7	27.6	26.7	25.2	22.9	20.1	17	14.3	8

SUBMERSIBLE SEWAGE PUMPS “WQH”



NO.	MODEL	POWER kW	POWER HP	Q (m³/h)	0	9	18	27	36	45	54	63	72	81	90	99	108	117	126
				Q (l/min)	0	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100
N	100WQH3000	3	4	H (m)	15	14.8	14	13.6	13	12.4	11.5	10.4	9	7.2	5.9				
O	100WQH4000	4	5.5	H (m)	18	17.8	17.3	16.5	16	15.3	14.5	13.4	12.2	10.6	8.8	7.3	6		
P	100WQH5500	5.5	7.5	H (m)	24	23	22.4	21.9	20.7	19.6	18.8	18.1	17.2	15.7	13.5	11.8	9.8	7.5	
Q	100WQH7500	7.5	10	H (m)	29.5	28.7	28.1	27.5	26.2	25.3	24.5	23.6	22.6	21.1	19	17.3	14.8	11.7	8.2



NO.	MODEL	POWER kW	POWER HP	Q (m³/h)	0	24	48	72	96	120	144	168
				Q (l/min)	0	400	800	1200	1600	2000	2400	2800
R	150WQH5500	5.5	7.5	H (m)	19	17.9	16.9	15.2	13	10.3	7	
S	150WQH7500	7.5	10	H (m)	23	21.7	20.5	19.1	17.2	14.6	11.4	7.8

SUBMERSIBLE SEWAGE PUMPS “WQH”

TECHNICAL DATA

NO.	MODEL	OUTLET (inch)	PARTICAL (Φ mm)	N.W. (kg)	L × W × H (mm)
A	50WQH550	2"	40	18.5	240 × 305 × 475
B	50WQH750	2"	40	19.5	240 × 305 × 475
C	50WQH3000	2"	19	51	300 × 270 × 555
D	50WQH4000	2"	19	57	300 × 270 × 570
E	50WQH5500	2"	16	75	325 × 295 × 650
F	50WQH7500	2"	16	80.5	325 × 295 × 650
G	80WQH1100	3"	40	28.2	323 × 305 × 520
H	80WQH1500	3"	40	29.4	323 × 305 × 520
I	80WQH2200	3"	40	31	323 × 305 × 520
J	80WQH3000	3"	25	55	310 × 290 × 645
K	80WQH4000	3"	25	60	310 × 290 × 660
L	80WQH5500	3"	25	76	340 × 300 × 690
M	80WQH7500	3"	25	82	340 × 300 × 690
N	100WQH3000	4"	30	56	335 × 305 × 605
O	100WQH4000	4"	30	62	335 × 305 × 615
P	100WQH5500	4"	30	78	385 × 330 × 710
Q	100WQH7500	4"	30	83.5	385 × 330 × 710
R	150WQH5500	6"	35	87	490 × 360 × 740
S	150WQH7500	6"	35	93	490 × 360 × 740

Performance values at n = 2850 rpm, 50 Hz. Specifications are subject to change without notice.