

WQ Submersible Pump For Dirty Water



WQ

Performance Range

- Max. Flow: 630m³/h
- Max. Head: 44m

Application Limits

- Maximum liquid temperature +40°C
- pH level from 4-10
- Maximum liquid density 1.2×10³ kg/m³
- Voltage fluctuation range ± 10%
- Immersion depth from 0.5m-5m

Certificate



Application Fields

WQ(Single stage with high power) series pumps are widely applied in industry, agriculture, mining, construction, municipal, environmental protection, etc. They are suitable for draining water containing particles such as short fibers, paper scraps, etc. and soft solid, such as muddy water, dirty water, domestic wastewater, sewage, manure, etc. They are ideal equipment for agricultural irrigation and drainage, pool silt cleaning and site construction, but do not apply to the location with explosion-proof requirements.

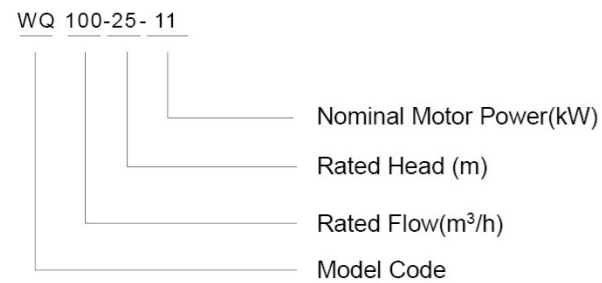
Features

- Large power submersible sewage pump, the standard flange outlet.
- Double channel impeller, good flowing capacity, excellent hydraulic performance.
- Stainless steel shaft extension and carbide double sides mechanical sealing.

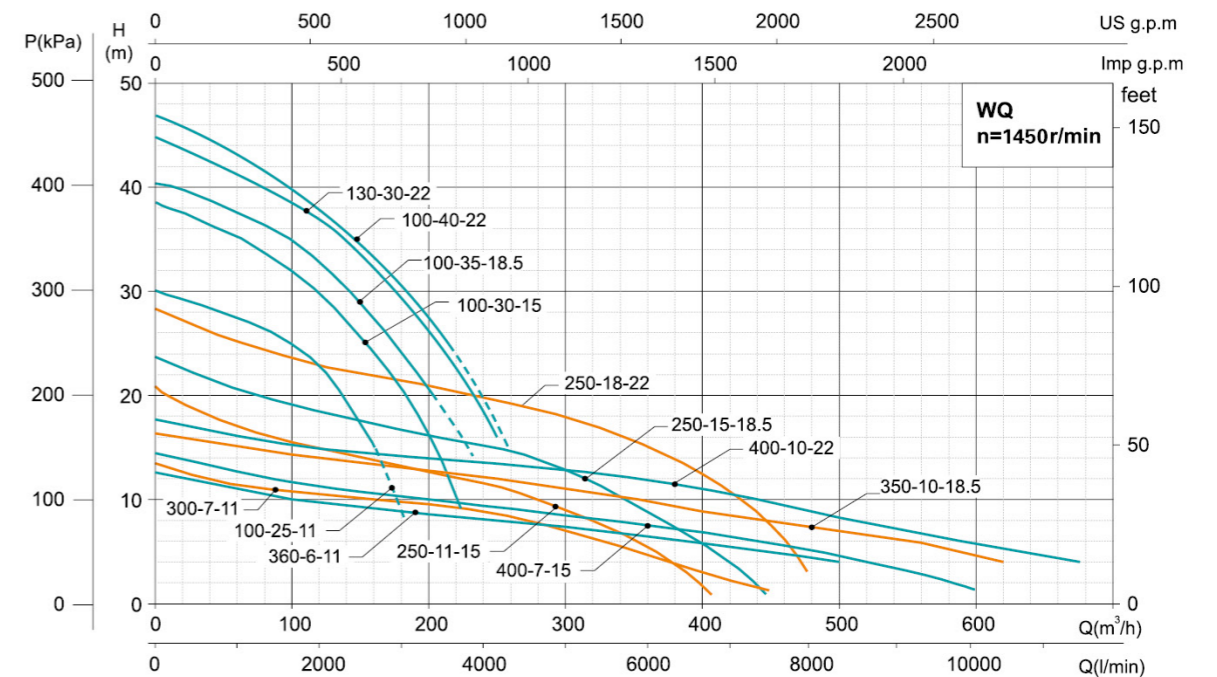
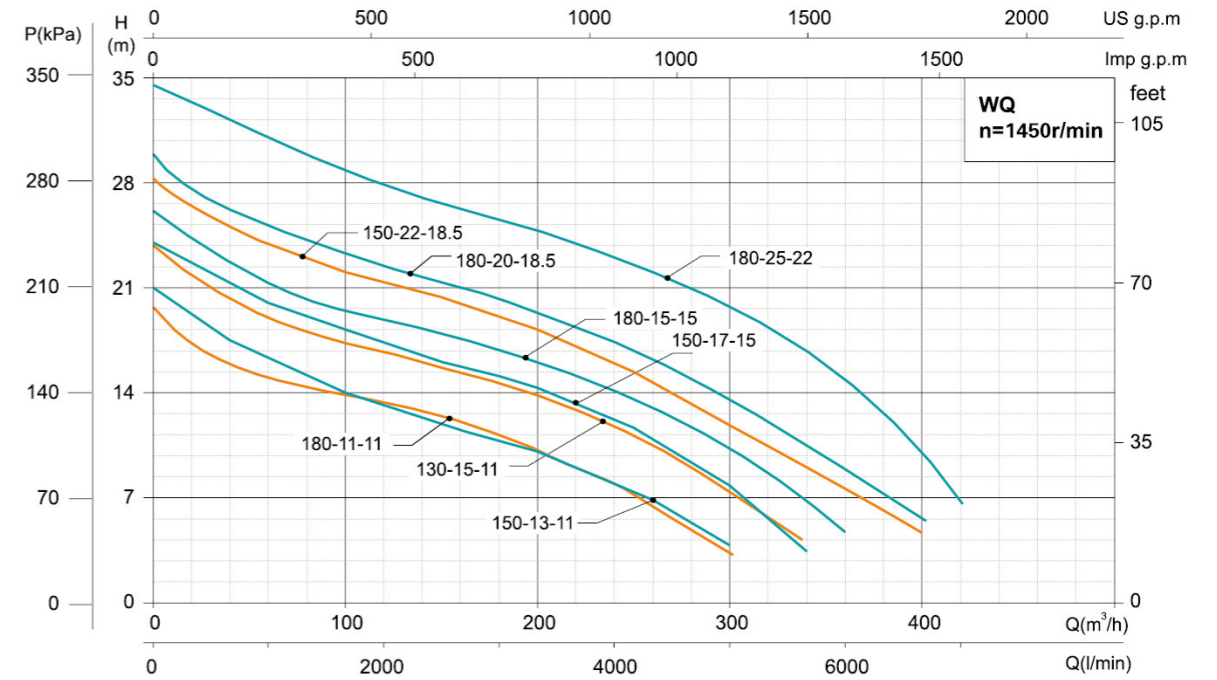
Optional Available on Request

- (*Standard configuration on Page 87)
- Other voltage or frequency is 60Hz

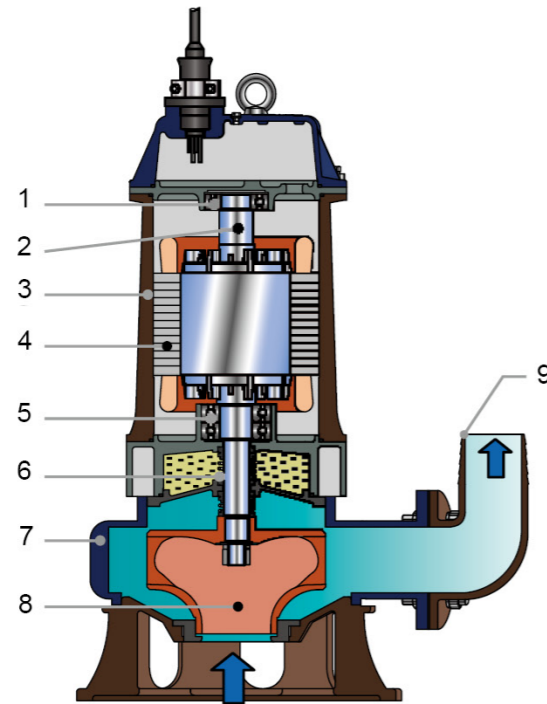
Model Instruction



Performance Curves

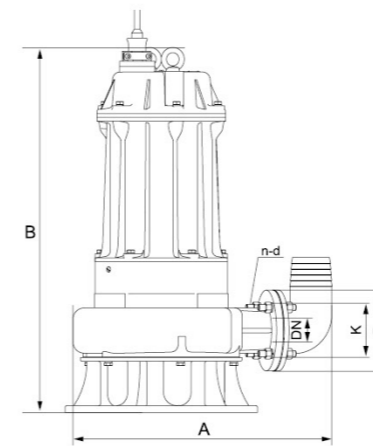


Components & Materials



	Power(kW)	11(380V/50HZ)	15(380V/50HZ)	18.5(380V/50HZ)	22(380V/50HZ)
1	Upper Bearing	6309-2RZ	6309-2RZ	6310-2RZ	6310-2RZ
2	Motor Shaft	AISI 2Cr13			
3	Motor Casing	HT200			
4	Motor	Dry submersible motor			
5	Lower Bearing	6310-2RZ	6310-2RZ	6311-2RZ	6311-2RZ
6	Mechanical Seal	208-40/58 S:A/S:A(PTC) 108-40/38 W:S(FC)	208-40/58 S:A/S:A(PTC) 108-40/38 W:S(FC)	208-45/58 S:A/S:A(PTC) 108-45/38 W:S(FC)	208-45/58 S:A/S:A(PTC) 108-45/38 W:S(FC)
		A:Hot-pressing graphite, W:Tungsten carbide (YG6), S:RBSC, F:Fluororubber, P:NBR, E:EPR, T:Manganese steel with the surface chromium plated, C:Stainless steel(06Cr19Ni10)			
7	Pump Body	HT200			
8	Impeller	HT200			
9	Outlet	HT200			

Dimensions & Weight

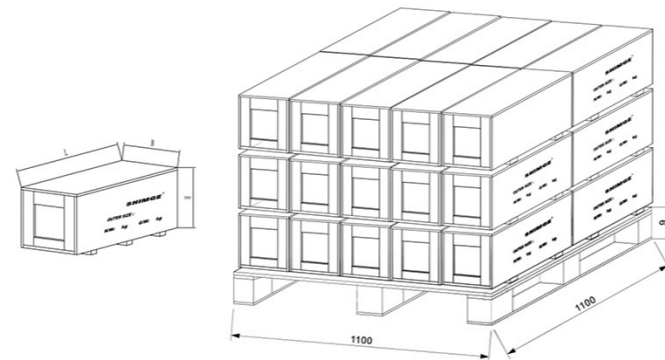


Model	Dim.(mm)						N.W. (kg)
	A	B	DN	D	K	n-d	
WQ100-25-11	710	995	100	210	170	4-ø19	238
WQ130-15-11	750	995	150	265	225	8-ø19	241
WQ150-13-11	750	995	150	265	225	8-ø19	238
WQ180-11-11	750	995	150	265	225	8-ø19	238
WQ300-7-11	885	1015	200	320	280	8-ø19	266
WQ360-6-11	861	1040	200	320	280	8-ø19	284
WQ100-30-15	710	995	100	210	170	4-ø19	255
WQ150-17-15	750	995	150	265	225	8-ø19	253
WQ180-15-15	750	995	150	265	225	8-ø19	253
WQ250-11-15	855	1010	200	320	280	8-ø19	283
WQ400-7-15	861	1040	200	320	280	8-ø19	297
WQ100-35-18.5	775	1055	100	210	170	4-ø19	323
WQ150-22-18.5	800	1070	150	265	225	8-ø19	341
WQ180-20-18.5	800	1070	150	265	225	8-ø19	341
WQ250-15-18.5	850	1065	200	320	280	8-ø19	357
WQ350-10-18.5	861	1096	200	320	280	8-ø19	355
WQ100-40-22	775	1055	100	210	170	4-ø19	336
WQ130-30-22	775	1055	100	210	170	4-ø19	336
WQ180-25-22	800	1070	150	265	225	8-ø19	351
WQ250-18-22	850	1065	200	320	280	8-ø19	362
WQ400-10-22	861	1096	200	320	280	8-ø19	370

Performance Details & Dimensions & Weight

Model	Power		Rate Current (A)	Solids Passage (mm)	Max.Flow (m ³ /h)	Max.Head (m)	Head Range (m)	Cable line (m)	Dim.mm (L×W×H)	G.W. (kg)	20' Loading Qty. (pcs)
	KW	HP									
WQ100-25-11	11	15	23.8	35	175	29	15~30	3*6+1*4-10	600×560×1230	253	69
WQ130-15-11	11	15		45	330	22	0~22	3*6+1*4-10	590×500×1290	256	76
WQ150-13-11	11	15		45	320	18	0~18	3*6+1*4-10	590×500×1290	253	76
WQ180-11-11	11	15		50	300	20	0~20	3*6+1*4-10	590×500×1290	253	76
WQ300-7-11	11	15		55	440	13	0~13	3*6+1*4-10	660×570×1380	281	55
WQ360-6-11	11	15		60	540	10	0~10	3*6+1*4-10	620×560×1450	299	55
WQ100-30-15	15	20	31.7	35	190	33	0~33	3*6+1*4-10	600×560×1230	270	69
WQ150-17-15	15	20		45	350	25	0~25	3*6+1*4-10	590×500×1290	268	76
WQ180-15-15	15	20		50	320	23	0~23	3*6+1*4-10	590×500×1290	268	76
WQ250-11-15	15	20		50	400	20	0~20	3*6+1*4-10	660×570×1380	298	55
WQ400-7-15	15	20		65	620	14	0~14	3*6+1*4-10	620×560×1450	312	55
WQ100-35-18.5	18.5	25	38.7	35	224	37	20~37	3*10+1*6-10	690×600×1300	338	54
WQ150-22-18.5	18.5	25		45	350	28	0~28	3*10+1*6-10	640×570×1350	356	61
WQ180-20-18.5	18.5	25		45	400	28	0~28	3*10+1*6-10	640×570×1350	365	61
WQ250-15-18.5	18.5	25		50	400	22	0~22	3*10+1*6-10	660×610×1450	372	48
WQ350-10-18.5	18.5	25		55	520	17	0~17	3*10+1*6-10	620×560×1525	370	55
WQ100-40-22	22	30	44.9	35	249	44	25~44	3*10+1*6-10	690×600×1300	351	54
WQ130-30-22	22	30		45	320	35	0~35	3*10+1*6-10	690×600×1300	351	54
WQ180-25-22	22	30		45	340	32	0~32	3*10+1*6-10	640×570×1350	366	61
WQ250-18-22	22	30		50	450	27	0~27	3*10+1*6-10	660×610×1450	377	48
WQ400-10-22	22	30		60	630	18	0~18	3*10+1*6-10	620×560×1525	385	55

Centrifugal pumps are not recommended to be used less than the lift range.



WQ Multi-stage Submersible Pump For Dirty Water



WQ

Performance Range

- ⊙ Max. Flow: 35m³/h
- ⊙ Max. Head: 98m

Application Limits

- ⊙ Maximum liquid temperature +40°C
- ⊙ pH level from 4-10
- ⊙ Maximum liquid density 1.2×10³kg/m³
- ⊙ Power frequency is 50Hz. Nominal voltage is 380VAC for three phase with the range from -10% to 10%.
- ⊙ Immersion depth from 0.5m-5m

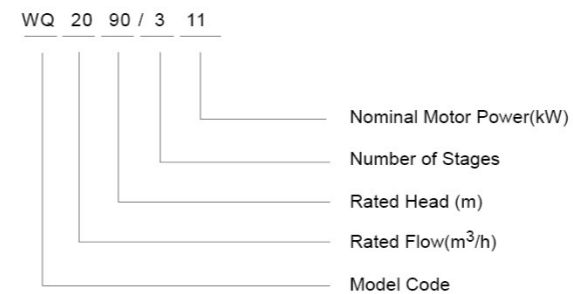
Certificate



Application Fields

WQ series pumps are widely applied in industry, agriculture, mining, construction, municipal, environmental protection, etc. They are suitable for draining water containing particles such as short fibers, paper scraps, etc. and soft solid, such as muddy water, dirty water, domestic wastewater, sewage, manure, etc. They are ideal equipment for agricultural irrigation and drainage, pool silt cleaning and site construction, but do not apply to the location with explosion-proof requirements.

Model Instruction



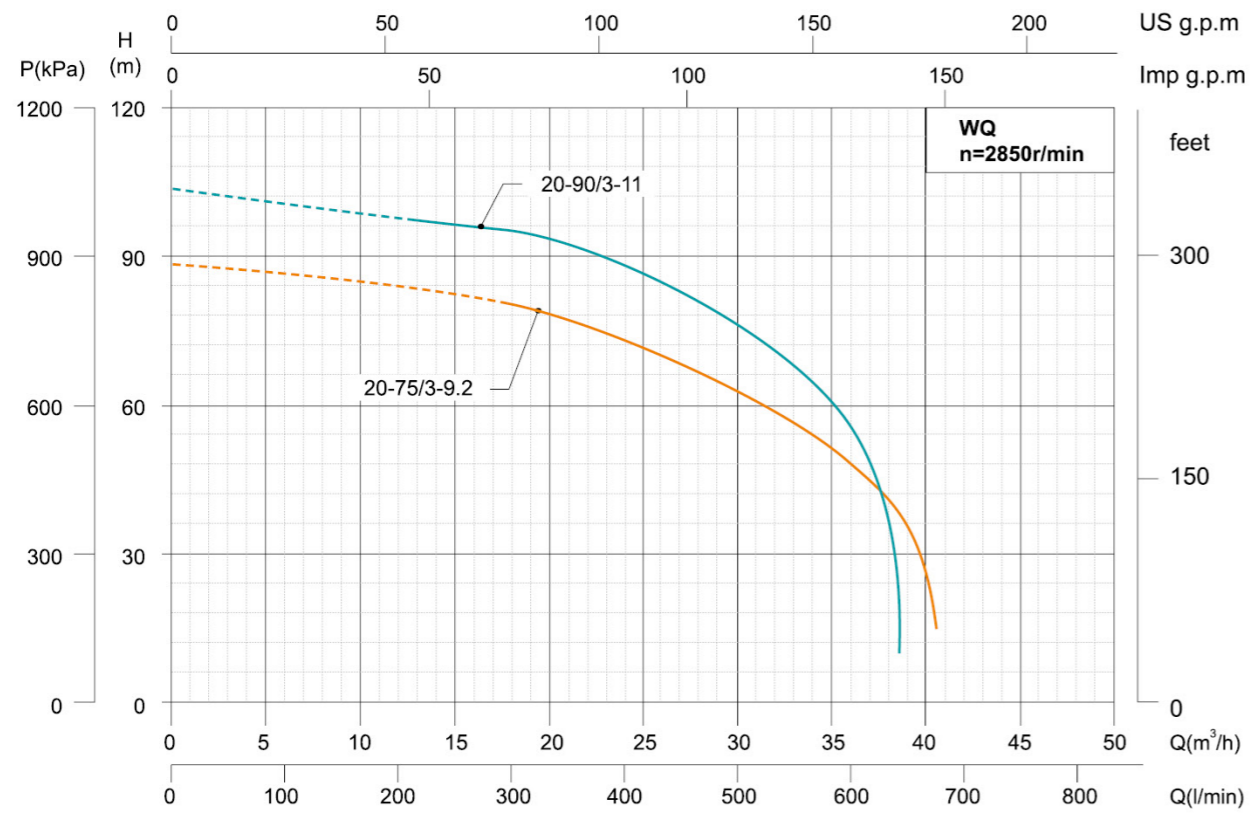
Features

- ⊙ Large power submersible sewage pump, the standard flange outlet.
- ⊙ Double channel impeller, good flow capacity, excellent hydraulic performance.
- ⊙ The stainless steel shaft extension, carbide double sides mechanical sealing.

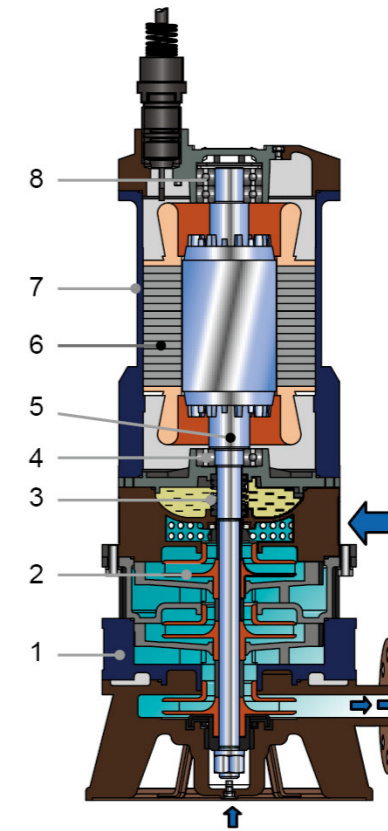
Optional Available on Request

(*Standard configuration on Page 92)

Performance Curves



Components & Materials



	Power(kW)	9.2	1.1
1	Pump Body	HT200	
2	Impeller	HT200	
3	Mechanical Seal	208-30/51 S:A/W:S(FC) A-Graphite S-Silicon carbide	208-30/51 S:A/W:S(FC) W-Tungsten carbide
4	Lower Bearing	6307-2RZ	6307-2RZ
5	Motor Shaft	AISI 40Cr	
6	Motor	Dry motor	
7	Motor Casing	HT200	
8	Upper Bearing	7307B	7307B

Dimensions & Weight

Model	Dim.(mm)										N.W. (kg)
	N-Stage	A	L0	L1	B	H0	DN	D	K	n-d	
WQ20-75/3-9.2	3	605	350	210	995	115	51	125	165	8-ø17.5	172
WQ20-90/3-11	3	605	350	210	995	115	51	125	165	8-ø17.5	184

Performance Details & Dimensions & Weight

Model	Power		Rate Current (A)	Solids Passage (mm)	Max.Flow (m ³ /h)	Max.Head (m)	Head Range (m)	Cable line (m)	Dim.mm (L×W×H)	G.W. (kg)	20' Loading Qty. (pcs)
	kW	HP									
WQ20-75/3-9.2	9.2	12.5	19.1	10	34	82	0~82	3*4+1*2.5-10	1110×400×440	182	125
WQ20-90/3-11	11	15	22.9	10	35	98	0~98	3*4+1*2.5-10	1110×400×440	194	125

