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Drainage & Sewage Pump

About Us

Our Management Team

Vossche was founded by Mr. Vossche Alton, who was born in Germany, but migrated to the USA in 1984 to set up his pump manufacturing business. From the rudiments of a small company, over 30 years ago, Vossche now boasts seven operational divisions each headed by a dedicated and highly qualified managing director. These divisions are:

- Product Planning
- Research and Design
- Product and Operations
- Sales and Marketing
- Logistics and Warehousing
- Export Sales
- Technical Support

Through these able teams, we have provided and continue to offer stellar quality products and services to consumers throughout the world including North America, South America, Europe, Africa, Asia and Australia.

Our Company

Vossche headquarter is located in Texas USA, where we have a factory that covers an area larger than 140,000 square meters. Of these, 120,000 square meters cover building space, and our net capital is registered at USD 160 million. We have an average of 1,855 employees worldwide.

We produce over 2 million pump sets every year under 12 major categories with more than 2,000 specific models for power ranges 0.5kW - 200 kW. Our range of products can service needs in various industries including refrigeration, mining, metallurgy, domestic water supply, agricultural irrigation, municipal services, groundwater applications, water lifting, sewage water or clean water disposal systems, building and industrial water supply, heating and ventilation, spa baths and swimming pools, among many more.

Vossche Pump Group

Together with our subsidiaries in strategic locations as well as affiliated distributors worldwide, Vossche believes in delivery of quality products for our consumers. As such, all our products undergo comprehensive production and operational testing to ensure that they adhere to the high standards we have set for ourselves. This is why our consumers trust us to deliver the best pumps in the market and are continuously satisfied with our outputs. In addition, we dedicate a huge amount of time and resources towards research, development and innovation to discover new and better models, applications and methods of production to continue adding value for clients.





SUBMERSIBLE DRAINAGE PUMPS



SUBMERSIBLE SEWAGE PUMPS



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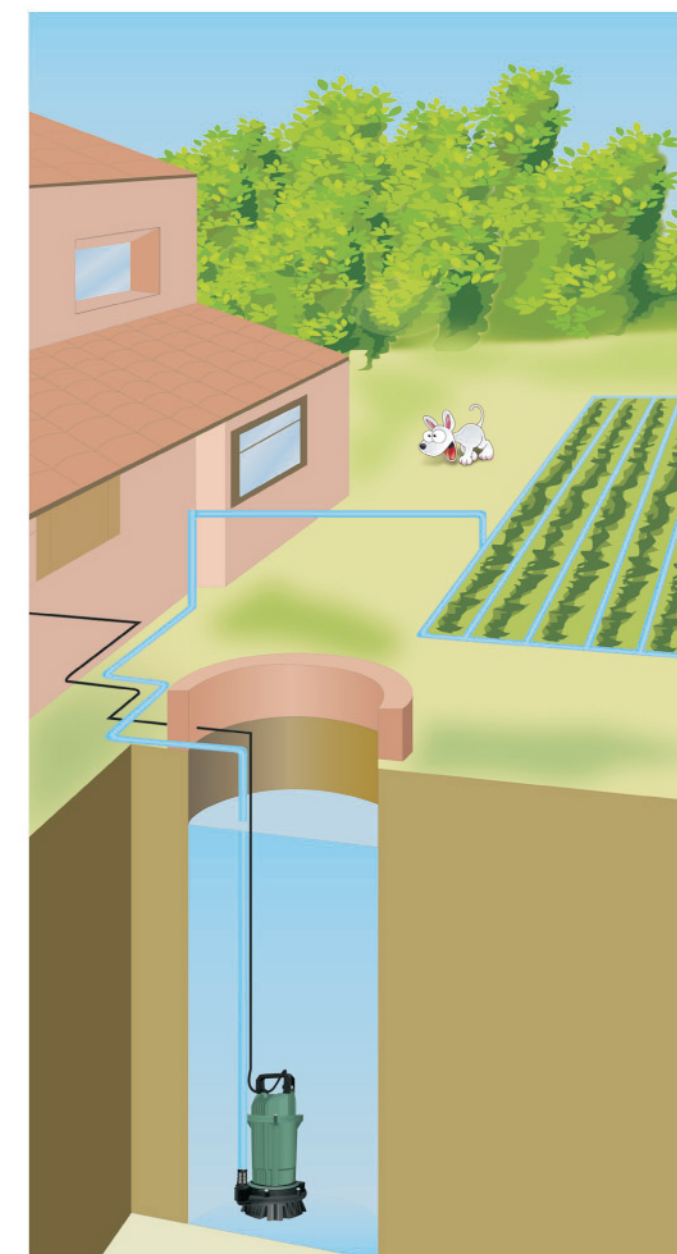
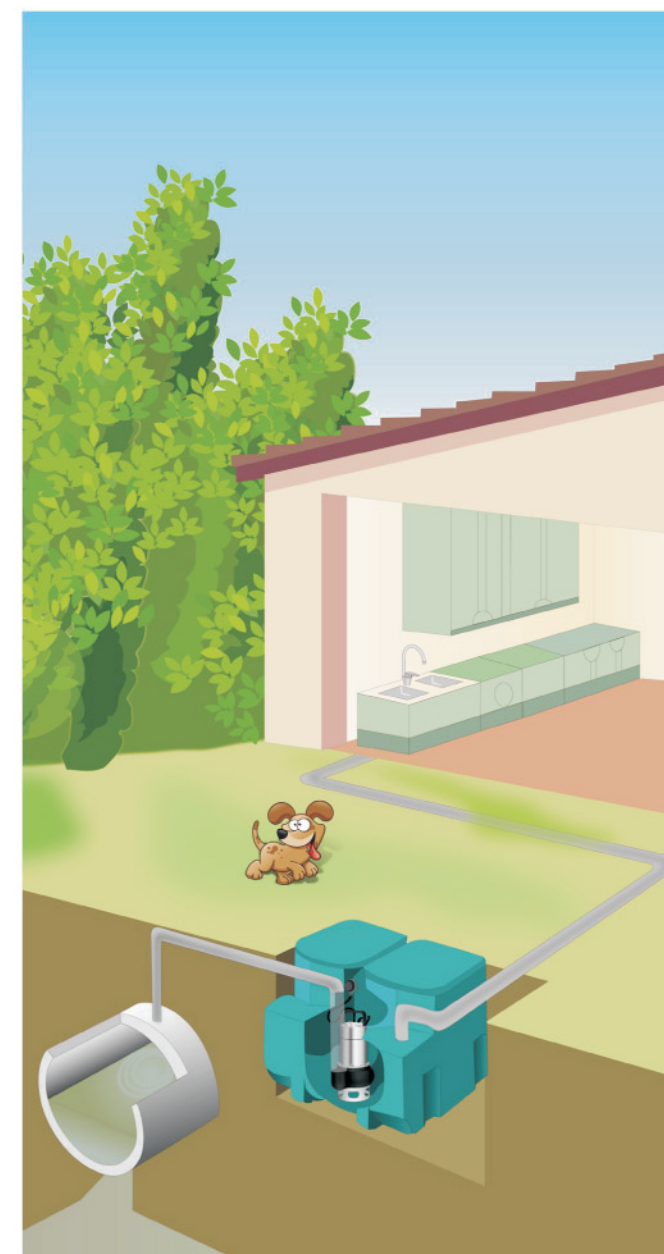
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INSTALLATION INSTRUCTION BY VOSSCHE



Sectional Drawing Of Q(D)X-H1



Thermal protector

Effective protection of overcurrent, overvoltage and overload; Motor protective shield.



Rotor

High percision and high efficiency of advanced rotor longitudinal cutting technology ensures the pump's high quality.



Mechanical seal

Double end mechanical seal and single end mechanical seal improve the pump's reliability.



Impeller

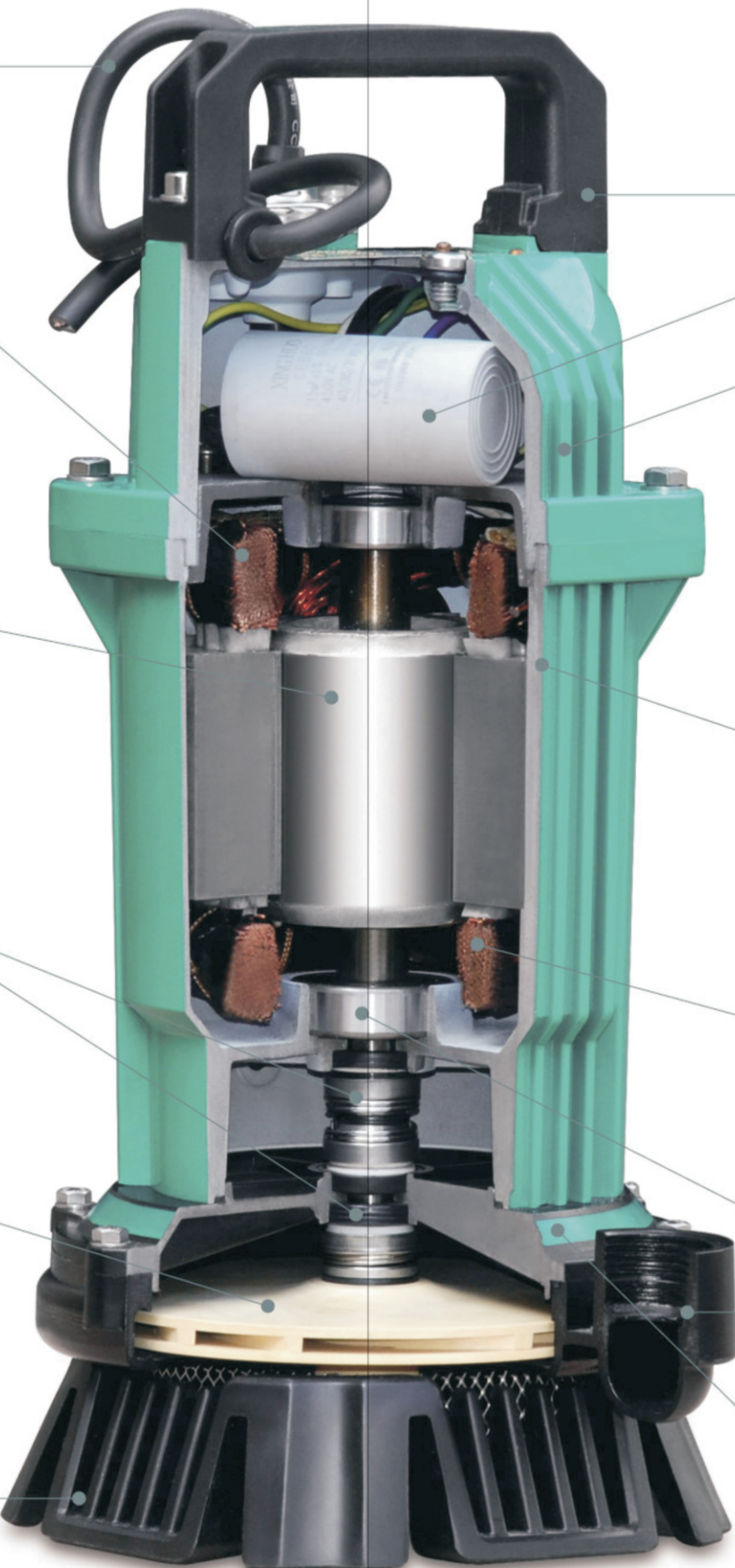
Advanced hydraulic model and PPO material improve the pump's efficiency and save energy.



Bottom case

High quality PVC plastic injection molding, plastic and rigid combination.

Cable



Handle

"VOSSCHE" inlaying second injection handle.



Capacitor



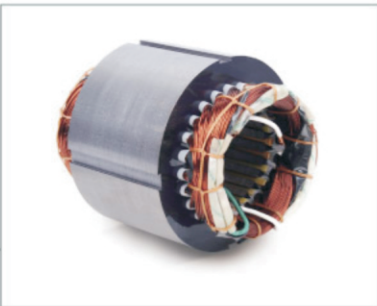
Top cover & Motor base

Alloy aluminum pressure casting; Asymmetric design bresks through the traditional appearance and gives a strong visual impact.



Stator winding

100% pure coper wire,high quality silicon steel sheet and insulation class F guarantee the pump's high quality.



Bearing

NSK bearing ensures the pump's operation more stable and reliable.



Pump body

Oil chamber cover

The surface is electrophoretic and VBL design.



Q(D)X-H1

SUBMERSIBLE DRAINAGE PUMPS

Application

- ♦ Clean water without abrasive particles.
- ♦ Mainly used for well pumping, river pumping, flowing rain water collection, pumping water out from cellars, garages, basement.
- ♦ Water supply, drainage in breeding industry.

Operating Conditions

- ♦ Max. submersible depth: 5m.
- ♦ Liquid temperature up to +40°C.
- ♦ Ambient temperature up to +40°C.

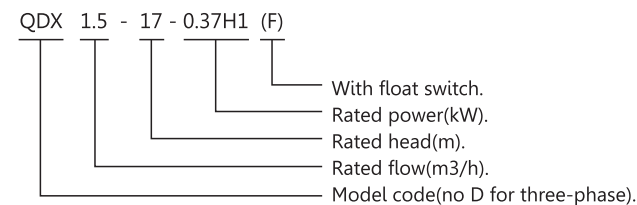
Motor

- ♦ 2-pole induction motor.
- ♦ Insulation: Class F.
- ♦ Protection: IP X8.
- ♦ Single-phase with capacitor and thermal overload protection.

Material

- ♦ Pump body: Cast iron or Cast aluminum.
- ♦ Motor bracket: Cast aluminum.
- ♦ Impeller: Plastic.
- ♦ Motor shaft: CS 45#.
- ♦ Mechanical seal: Ceramic-Graphite, Ceramic-Ceramic, Silicon carbide-Graphite.
- ♦ Copper winding.

Model Definition



Q(D)X-H1

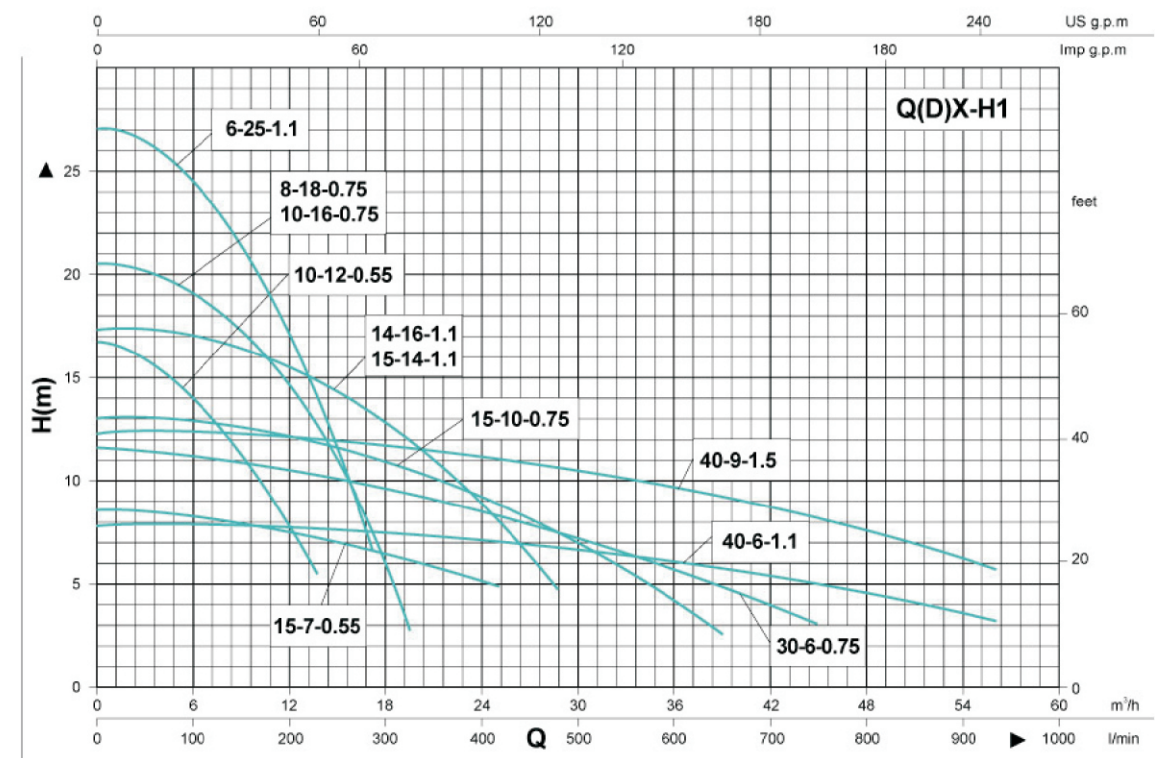
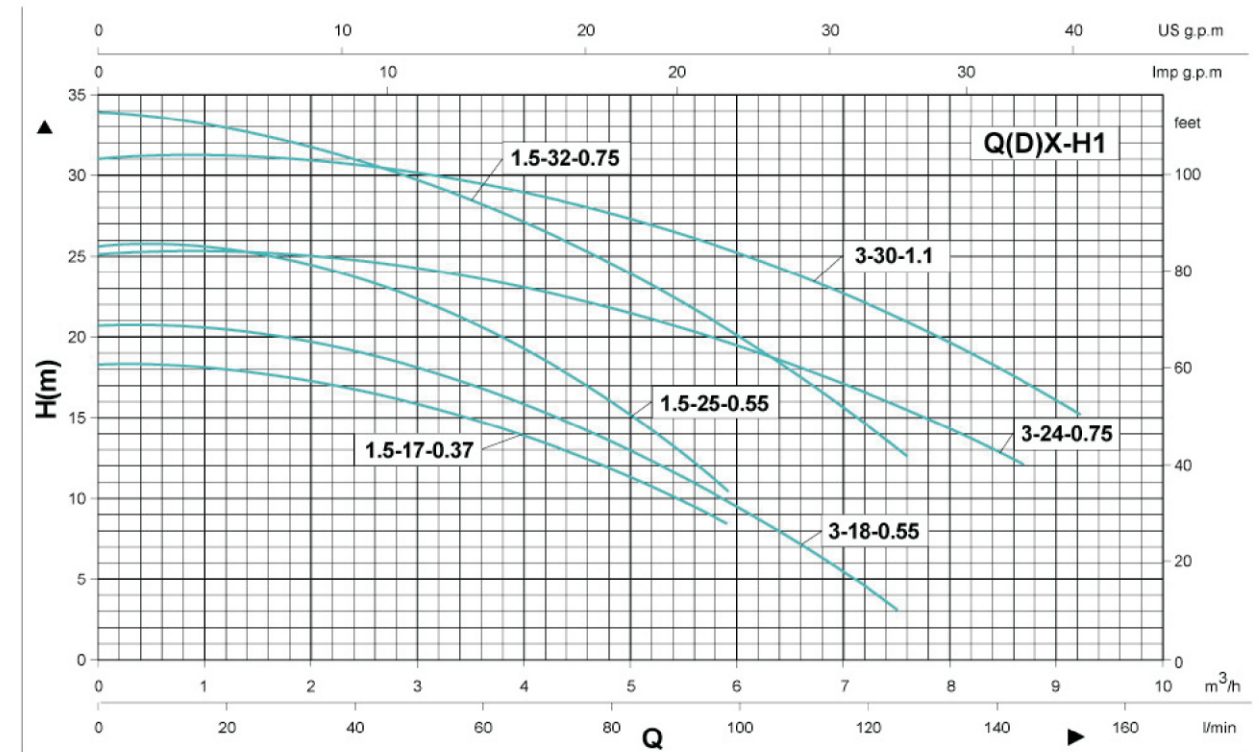
RPM: n=2850 r/min(50Hz)

Model		Power		Outlet (Inch)	Max.Flow (m ³ /h)	Max.Head (m)	Dim. (mm)	G. W. (kg)		20' Loading Qty. (pcs)
Single-Phase	Three-Phase	kW	HP					G (s)	G (t)	
QDX1.5-17-0.37H1	-	0.37	0.5	1	6	18	380×230×210	7.5	-	2200
QDX1.5-25-0.55H1	-	0.55	0.75	1	6	26	395×270×240	10.5	-	1600
QDX3-18-0.55H1	QX3-18-0.55H1	0.55	0.75	1.25	7	20.5	395×270×240	10.5	10.5	1900
QDX10-12-0.55H1	-	0.55	0.75	1.5	14	16.5	395×270×240	10.5	-	1800
QDX15-7-0.55H1	-	0.55	0.75	2	24	8.5	395×270×240	10.5	-	1700
QDX1.5-32-0.75H1	QX1.5-32-0.75H1	0.75	1	1	8	34	395×270×240	12.5	12.5	1400
QDX3-24-0.75H1	-	0.75	1	1.25	8.5	25.5	395×270×240	12.5	-	1500
QDX8-18-0.75H1	QX8-18-0.75H1	0.75	1	1.5	19.5	20	395×270×240	12.5	12.5	1600
QDX10-16-0.75H1	QX10-16-0.75H1	0.75	1	2	19.5	20	395×270×240	12	12	1600
QDX15-10-0.75H1	-	0.75	1	2.5	36	12	395×270×240	12	-	1450
QDX30-6-0.75H1	QX30-6-0.75H1	0.75	1	3	45	11.5	445×280×220	16.5	16.5	1100
QDX3-30-1.1H1	QX3-30-1.1H1	1.1	1.5	1	9.5	30	465×255×245	13.5	13.5	1400
QDX6-25-1.1H1	QX6-25-1.1H1	1.1	1.5	1.5	16	25	480×285×220	13.5	13.5	1400
QDX15-14-1.1H1	QX15-14-1.1H1	1.1	1.5	2.5	28	17	480×285×220	16.5	16.5	1200
QDX14-16-1.1H1	QX14-16-1.1H1	1.1	1.5	2.5	28	17	425×280×200	15.5	15.5	1250
QDX40-6-1.1H1	QX40-6-1.1H1	1.1	1.5	3	60	8	545×250×323	18.0	18.0	1050
-	QX25-12-1.5H1	1.5	2	2.5	48	16	840×315×360	-	18.0	1100
-	QX40-9-1.5H1	1.5	2	3	60	12	890×315×360	-	19.5	1000

SUBMERSIBLE DRAINAGE PUMPS

Q(D)X-H1

Hydraulic Performance Curve



Q(D)X-K1

SUBMERSIBLE DRAINAGE PUMPS

Application

- ♦ Clean water without abrasive particles.
- ♦ Mainly used for well pumping, river pumping, flowing rain water collection, pumping water out from cellars, garages, basement.
- ♦ Water supply, drainage in breeding industry.

Operating Conditions

- ♦ Max. submersible depth: 5m.
- ♦ Liquid temperature up to +40°C.
- ♦ Ambient temperature up to +40°C.

Motor

- ♦ 2-pole induction motor.
- ♦ Insulation: Class E.
- ♦ Protection: IP X8.
- ♦ Single-phase with capacitor and thermal overload protection.

Material

- ♦ Pump body: Cast aluminum.
- ♦ Motor bracket: Cast aluminum.
- ♦ Impeller: Aluminum.
- ♦ Motor shaft: CS 45#.
- ♦ Mechanical seal: Ceramic-Graphite, Ceramic-Ceramic.
- ♦ Suction strainer: Zinc-plating.
- ♦ Copper winding.

RPM: n=2850 r/min(50Hz)

Model Definition

QDX 1.5 - 17 - 0.37H1
Rated power(kW).
Rated head(m).
Rated flow(m³/h).
Model code(no D for three-phase).



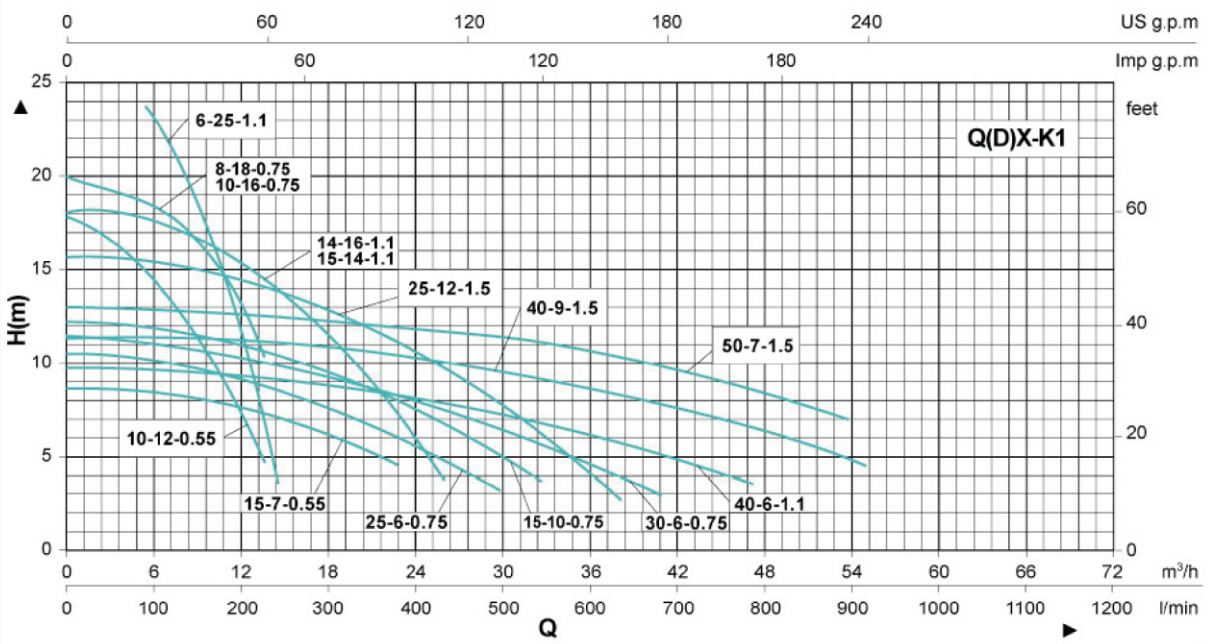
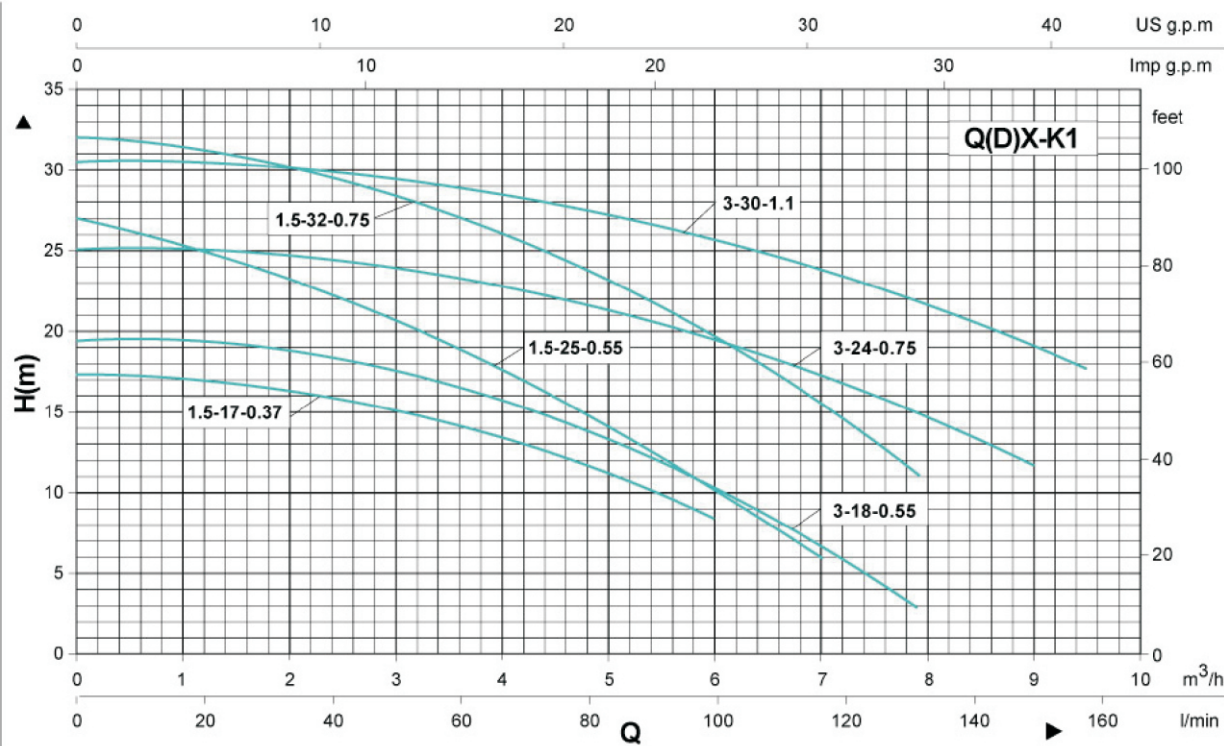
Q(D)X-K1

Model		Power		Outlet	Max.Flow	Max.Head	Dim. (mm)		G. W. (kg)		20'
Single-Phase	Three-Phase	kW	HP	(Inch)	(m ³ /h)	(m)	Single-Phase	Three-Phase	G (s)	G (t)	Loading Qty. (pcs)
QDX1.5-17-0.37K1	-	0.37	0.5	1	6	17.5	385×160×220	-	7.5	-	2200
QDX1.5-25-0.55K1	-	0.55	0.75	1	4.5	25.5	395×190×220	-	10	-	1800
QDX3-18-0.55K1	-	0.55	0.75	1	7.9	19.5	410×180×220	-	10	-	1830
QDX10-12-0.55K1	-	0.55	0.75	2	15	18.5	410×210×220	-	10	-	1830
QDX15-7-0.55K1	-	0.55	0.75	2	22	8	410×210×220	-	10	-	1830
QDX1.5-32-0.75K1	-	0.75	1	1	6	32.5	420×210×230	-	12	-	1500
QDX3-24-0.75K1	-	0.75	1	1	9	25	410×190×220	-	12	-	1600
QDX8-18-0.75K1	-	0.75	1	2	15	20	420×190×230	-	11.5	-	1600
QDX10-16-0.75K1	-	0.75	1	2	15	20	420×190×230	-	11.5	-	1600
QDX15-10-0.75K1	-	0.75	1	3	36	12	410×220×240	-	12	-	1350
QDX25-6-0.75K1	-	0.75	1	3	32	9.5	420×220×260	-	12	-	1300
QDX30-6-0.75K1	-	0.75	1	3	43	8.5	450×220×285	-	15	-	1150
QDX3-30-1.1K1	QX3-30-1.1K1	1.1	1.5	1	9.5	30	455×285×225	455×285×225	13.5	12	1000
QDX6-25-1.1K1	QX6-25-1.1K1	1.1	1.5	2	16	25	465×285×225	465×285×225	14.5	13.5	900
QDX14-16-1.1K1	-	1.1	1.5	2.5	28	17	465×285×225	-	16.5	-	900
QDX15-14-1.1K1	QX15-14-1.1K1	1.1	1.5	2.5	28	17	465×285×225	465×285×225	16.5	15.5	850
QDX40-6-1.1K1	QX40-6-1.1K1	1.1	1.5	3	52	10	490×285×225	490×285×225	18	16.5	850
QDX50-7-1.5K1	-	1.5	2	4	68	13	540×325×230	-	24	-	700
-	QX25-12-1.5K1	1.5	2	2.5	42	15	-	495×285×225	-	17.5	900
-	QX40-9-1.5K1	1.5	2	3	60	11	-	525×285×225	-	18.5	850

SUBMERSIBLE DRAINAGE PUMPS

Q(D)X-K1

Hydraulic Performance Curve



Q(D)X-K1

SUBMERSIBLE DRAINAGE PUMPS

Application

- ♦ Clean water without abrasive particles.
- ♦ Mainly used for well pumping, river pumping, flowing rain water collection, pumping water out from cellars, garages, basement.
- ♦ Water supply, drainage in breeding industry.

Operating Conditions

- ♦ Max. submersible depth: 5m.
- ♦ Liquid temperature up to +40°C.
- ♦ Ambient temperature up to +40°C.

Motor

- ♦ 2-pole induction motor.
- ♦ Insulation: Class E.
- ♦ Protection: IP X8.
- ♦ Single-phase with capacitor and thermal overload protection.

Material

- ♦ Pump body: Cast aluminum.
- ♦ Motor bracket: Cast aluminum.
- ♦ Impeller: Aluminum.
- ♦ Motor shaft: CS 45#.
- ♦ Mechanical seal: Ceramic-Graphite,Ceramic-Ceramic.
- ♦ Suction strainer: Plated iron.
- ♦ Copper winding.

Model Definition

QDX 1.5 - 17 - 0.37L1

Rated power(kW).
Rated head(m).
Rated flow(m³/h).
Model code(no D for three-phase).



Q(D)X-L1

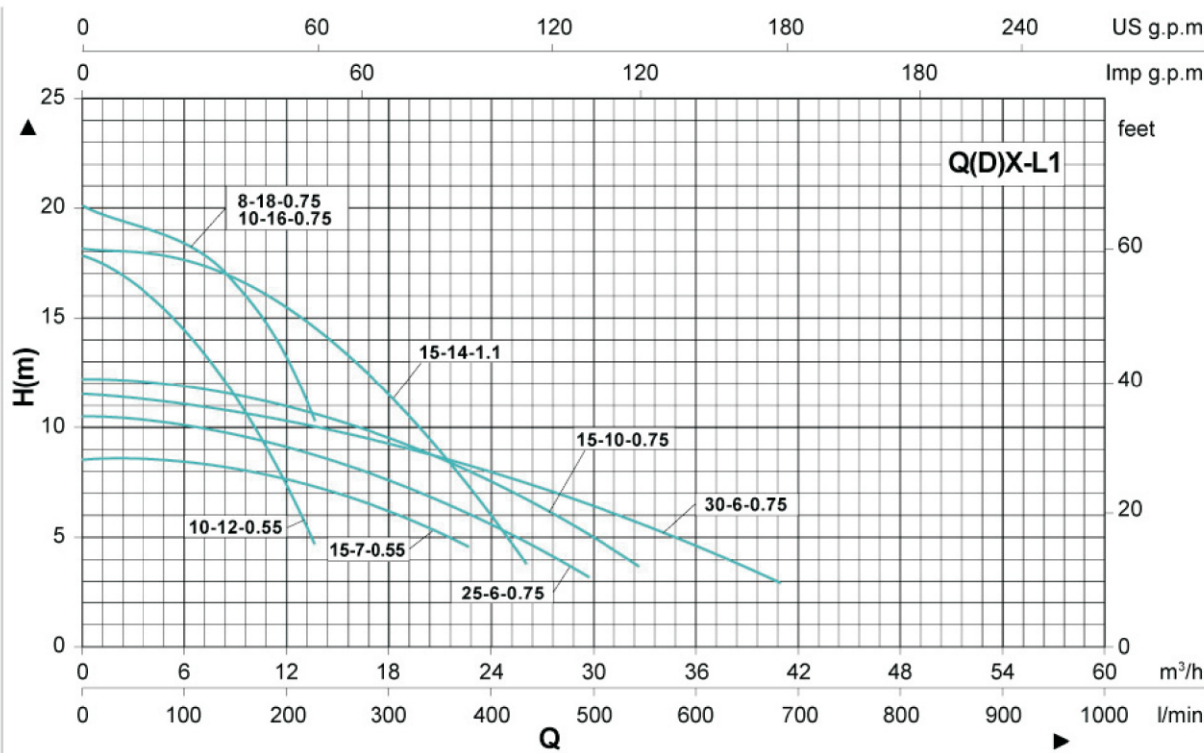
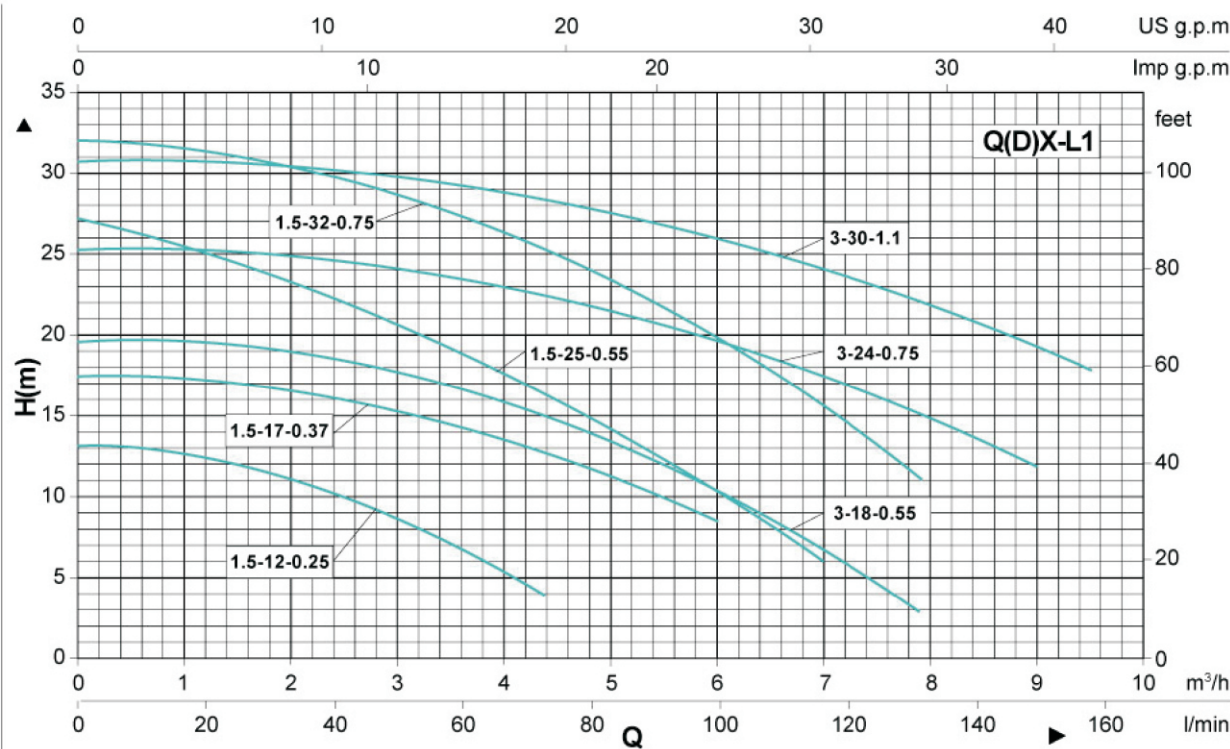
RPM: n=2850 r/min(50Hz)

Model		Power		Outlet (Inch)	Max.Flow (m ³ /h)	Max.Head (m)	Dim. (mm)	G. W. (kg)		20' Loading Qty. (pcs)
Single-Phase	Three-Phase	kW	HP					G (s)	G (t)	
QDX1.5-12-0.25L1	-	0.25	0.37	1	4	12.5	360×160×200	4.5	5	2500
QDX1.5-17-0.37L1	-	0.37	0.5	1	6	17.5	385×160×220	6.5	7	2100
QDX1.5-25-0.55L1	-	0.55	0.75	1	4.5	25.5	395×190×220	9.0	9.5	1700
QDX3-18-0.55L1	-	0.55	0.75	1.25	7.9	19.5	410×180×220	9.0	9.5	1700
QDX10-12-0.55L1	-	0.55	0.75	1.5	15	18.5	410×210×220	9.0	9.5	1500
QDX15-7-0.55L1	-	0.55	0.75	2	22	8	410×210×230	9.0	9.5	1500
QDX1.5-32-0.75L1	-	0.75	1	1	6	32.5	420×210×220	11.0	11.5	1430
QDX3-24-0.75L1	-	0.75	1	1.25	9	25	410×190×230	11.0	11.5	1700
QDX8-18-0.75L1	-	0.75	1	1.5	15	20	420×190×230	10.5	11	1500
QDX10-16-0.75K1	-	0.75	1	2	15	20	420×190×230	10.5	11	1500
QDX15-10-0.75K1	-	0.75	1	2.5	36	12	420×220×240	11.0	11.5	1300
QDX25-6-0.75K1	-	0.75	1	3	32	9.5	420×220×260	11.0	11.5	1000
QDX30-6-0.75K1	-	0.75	1	3	43	8.5	450×285×285	14.0	14.5	1200
-	QX8-18-0.75L1	0.75	1	1.5	15	20	420×190×230	10.0	10.5	1550
-	QX10-16-0.75L1	0.75	1	2	15	20	420×190×230	10.0	10.5	1550
-	QX30-6-0.75L1	0.75	1	3	43	8.5	450×220×285	13.5	14	1000

SUBMERSIBLE DRAINAGE PUMPS

Q(D)X-K1

Hydraulic Performance Curve



Application

- ♦ Clean water without abrasive particles.
- ♦ Mainly used for well pumping, river pumping, flowing rain water collection, pumping water out from cellars, garages, basement.
- ♦ Water supply, drainage in breeding industry.

Operating Conditions

- ♦ Max. submersible depth: 5m.
- ♦ Liquid temperature up to +40°C.
- ♦ Ambient temperature up to +40°C.

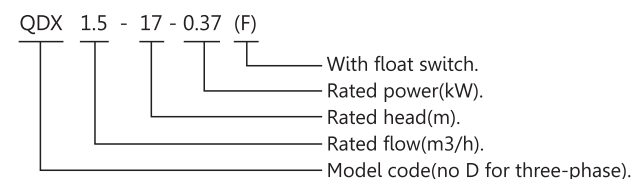
Motor

- ♦ 2-pole induction motor.
- ♦ Insulation: Class E.
- ♦ Protection: IP X8.
- ♦ Single-phase with capacitor and thermal overload protection.

Material

- ♦ Pump body: Cast aluminum.
- ♦ Motor bracket: Cast aluminum.
- ♦ Impeller: Aluminum.
- ♦ Motor shaft: CS 45#.
- ♦ Mechanical seal: Ceramic-Graphite, Ceramic-Ceramic.
- ♦ Suction strainer: Zinc-plating.
- ♦ Copper winding.

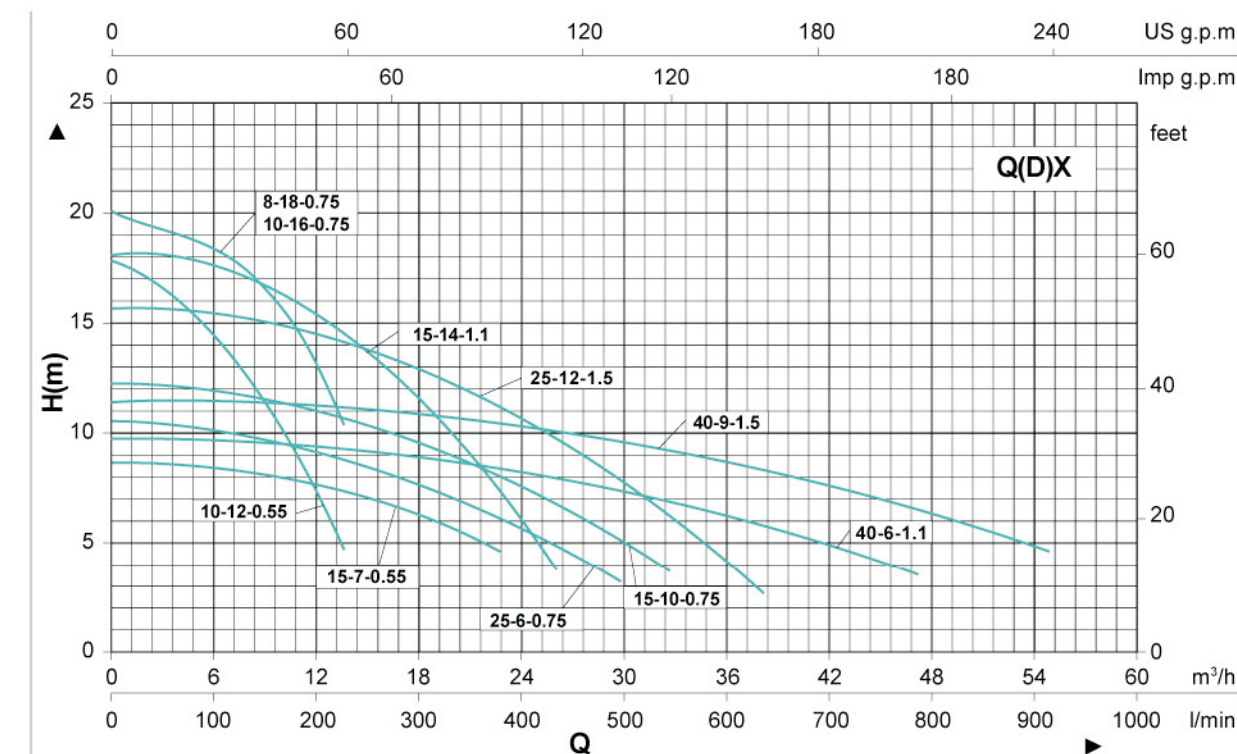
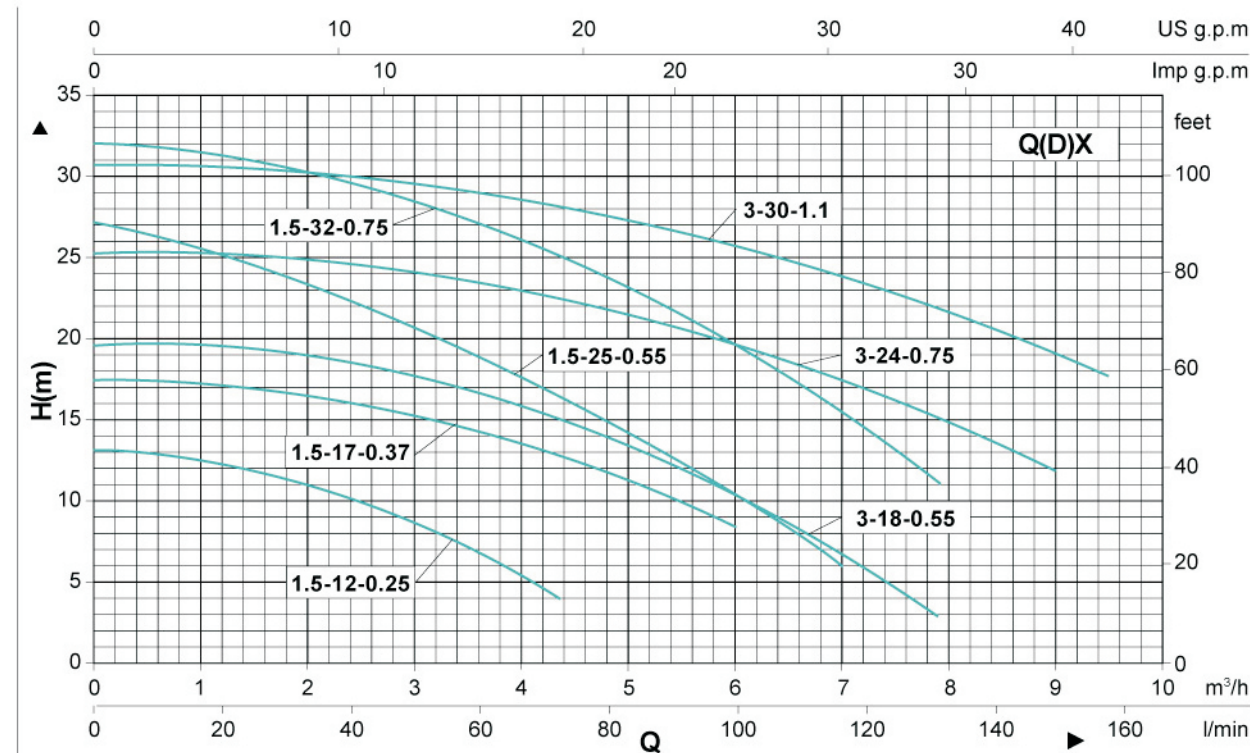
Model Definition



RPM: n=2850 r/min(50Hz)

Model		Power		Outlet (Inch)	Max.Flow (m ³ /h)	Max.Head (m)	Dim. (mm)	G. W. (kg)		20' Loading Qty. (pcs)
Single-Phase	Three-Phase	kW	HP					G (s)	G (t)	
QDX1.5-12-0.25	-	0.25	0.37	1	4	12	365×165×173	5	-	2850
QDX1.5-17-0.37	-	0.37	0.5	1	6	17.5	370×160×203	7	-	2400
QDX1.5-25-0.55	-	0.55	0.75	1	4.5	25.5	370×105×218	10	-	1900
QDX3-18-0.55	-	0.55	0.75	1.25	7.9	19.5	370×195×213	10	-	1900
QDX10-12-0.55	-	0.55	0.75	1.5	15	18.5	370×195×213	10	-	1900
QDX15-7-0.55	-	0.55	0.75	2	22	8	370×195×238	10	-	1700
QDX1.5-32-0.75	-	0.75	1	1	6	32.5	380×220×228	12	-	1500
QDX3-24-0.75	-	0.75	1	1.25	9	25	395×195×208	12	-	1500
QDX8-18-0.75	-	0.75	1	1.5	15	20	395×195×228	11.5	-	1600
QDX10-16-0.75	-	0.75	1	2	15	20	395×195×233	11.5	-	1600
QDX15-10-0.75	-	0.75	1	2.5	36	12	395×195×253	12	-	1500
QDX25-6-0.75	-	0.75	1	3	32	9.5	400×170×258	12	-	1600
QDX3-30-1.1	QX3-30-1.1	1.1	1.5	1	9.5	30	440×220×205	13.5	12	1400
QDX15-14-1.1	QX15-14-1.1	1.1	1.5	2.5	28	17	425×280×200	16	15	1200
QDX40-6-1.1	QX40-6-1.1	1.1	1.5	3	52	10	420×190×230	18	17	1100
-	QX40-9-1.5	1.5	2	3	60.5	11.2	450×220×285	-	18	1000
-	QX25-12-1.5	1.5	2	2.5	42	15		-	17	1100

Hydraulic Performance Curve



Q(D)X-(T)

SUBMERSIBLE DRAINAGE PUMPS

Application

- ♦ Clean water without abrasive particles.
- ♦ Mainly used for well pumping, river pumping, flowing rain water collection, pumping water out from cellars, garages, basement.
- ♦ Water supply, drainage in breeding industry.

Operating Conditions

- ♦ Max. submersible depth: 5m.
- ♦ Liquid temperature up to +40℃.
- ♦ Ambient temperature up to +40℃.

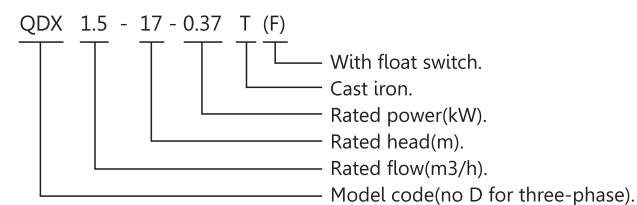
Motor

- ♦ 2-pole induction motor.
- ♦ Insulation: Class E.
- ♦ Protection: IP X8.
- ♦ Single-phase with capacitor and thermal overload protection.

Material

- ♦ Pump body: Cast iron.
- ♦ Motor bracket: Cast iron.
- ♦ Impeller: Aluminum or Cast iron.
- ♦ Motor shaft: CS 45#.
- ♦ Mechanical seal: Ceramic-Graphite,Ceramic-Ceramic.
- ♦ Suction strainer: Zinc-plating.
- ♦ Copper winding.

Model Defination



Q(D)X-T

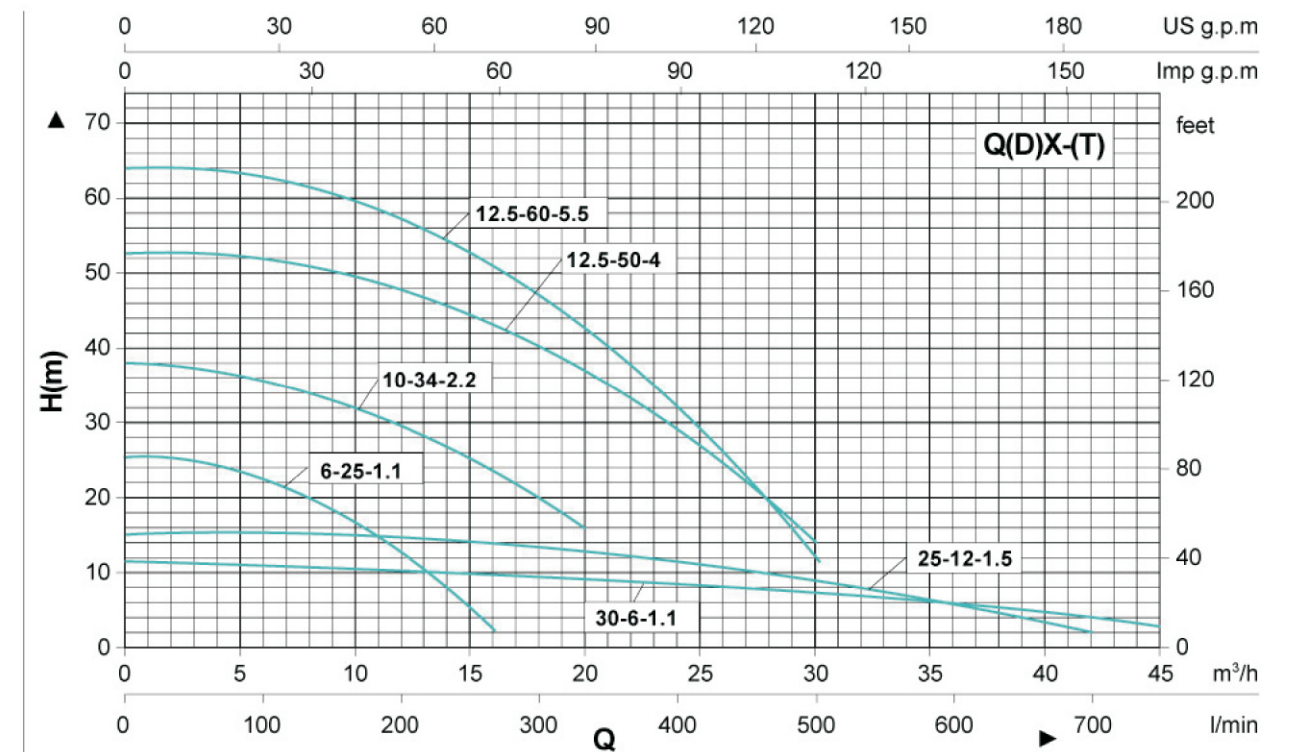
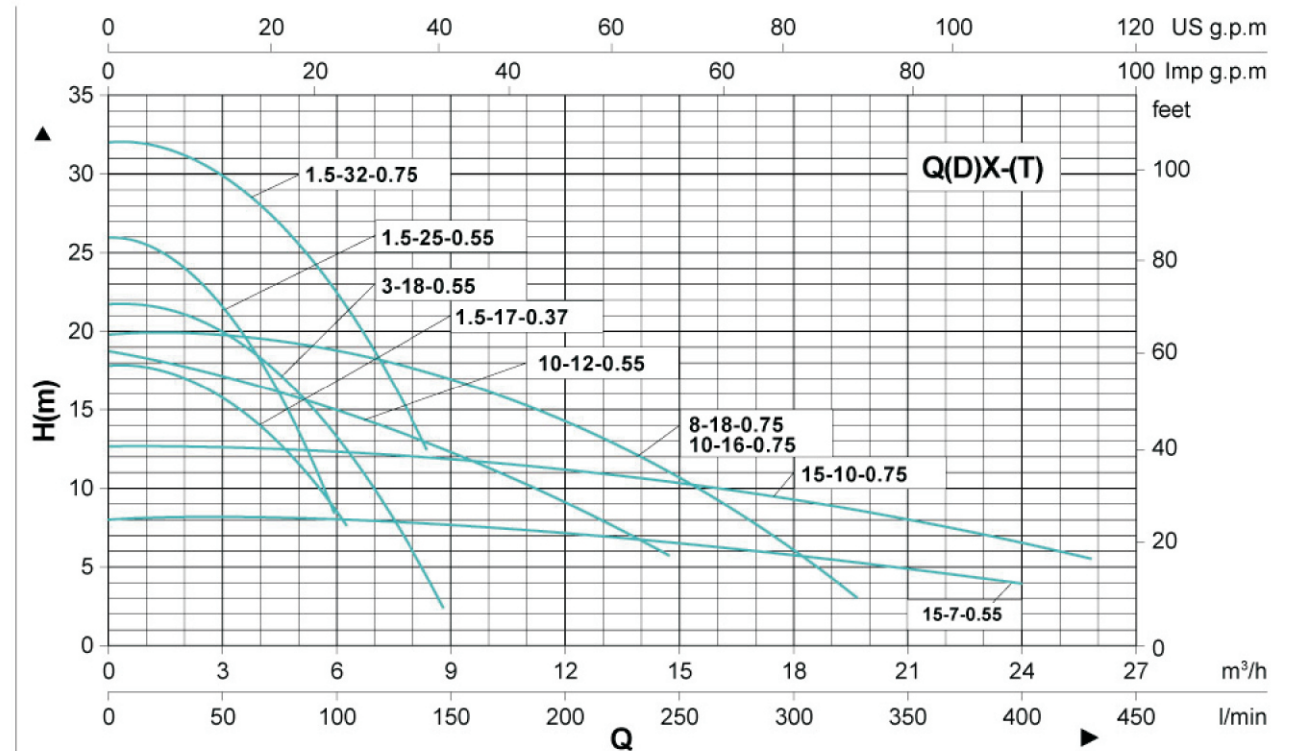
RPM: n=2850 r/min(50Hz)

Model		Power		Outlet (Inch)	Max.Flow (m ³ /h)	Max.Head (m)	Dim. (mm)	G. W. (kg)		20' Loading Qty. (pcs)
Single-Phase	Three-Phase	kW	HP					G (s)	G (t)	
QDX1.5-17-0.37T	-	0.37	0.5	1	6	17.5	380×230×210	11.5	-	1800
QDX1.5-25-0.55T	-	0.55	0.75	1	6	26	395×270×240	15.5	-	1300
QDX3-18-0.55T	-	0.55	0.75	1.25	7.5	20	395×270×240	15.0	-	1300
QDX10-12-0.55T	-	0.55	0.75	1.5	14	15.5	395×270×240	15.5	-	1200
QDX15-7-0.55T	-	0.55	0.75	2	22	8	395×270×240	17.5	-	1200
QDX1.5-32-0.75T	QX1.5-32-0.75T	0.75	1	1	6	32.5	395×270×240	17.5	16.5	1100
QDX3-24-0.75T	-	0.75	1	1.25	6	24.5	395×270×240	16.5	-	1200
QDX8-18-0.75T	-	0.75	1	1.5	15	20	395×270×240	17	-	1100
QDX10-16-0.75T	-	0.75	1	2	15	20	395×270×240	17	-	1100
QDX15-10-0.75T	-	0.75	1	2.5	29	13	395×270×240	17	-	1100
QDX30-6-0.75T	QX30-6-0.75T	0.75	1	3	43	8.5	445×280×220	21.5	20	1000
QDX6-25-1.1	QX6-25-1.1	1.1	1.5	2	16	25	465×255×245	28	28	775
QDX40-6-1.1T	QX40-6-1.1T	1.1	1.5	3	52	10	480×285×220	23	23	1100
-	QX40-9-1.5T	1.5	2	2.5	60.5	11.2	480×285×220	-	23	1000
-	QX25-12-1.5	1.5	2	2.5	42	1.5	425×280×200	-	17	1100
-	QX10-34-2.2	2.2	3	2	20	38.5	545×250×323	-	40.5	520
-	QX12.5-50-4	4	5.5	2	30	56.5	840×315×360	-	73	280
-	QX12.5-60-5.5	5.5	7.5	2	31	63.5	890×315×360	-	85	240

SUBMERSIBLE DRAINAGE PUMPS

Q(D)X-(T)

Hydraulic Performance Curve



Q(D)X-(T)

SUBMERSIBLE DRAINAGE PUMPS

Application

- ♦ Clean water without abrasive particles.
- ♦ Mainly used for well pumping, river pumping, flowing rain water collection, pumping water out from cellars, garages, basement.
- ♦ Water supply, drainage in breeding industry.

Operating Conditions

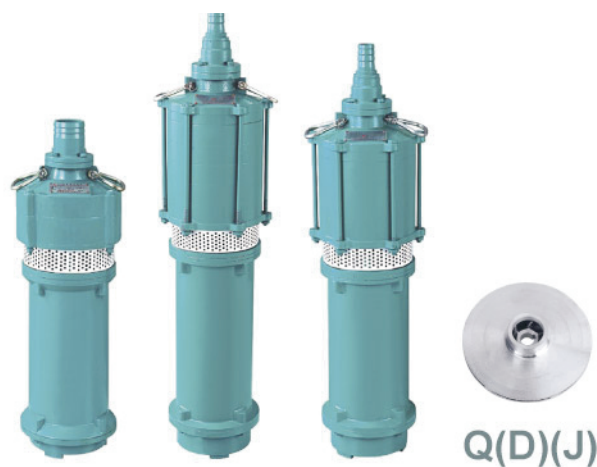
- ♦ Max. submersible depth: 5m.
- ♦ Liquid temperature up to +40℃.
- ♦ Ambient temperature up to +40℃.

Motor

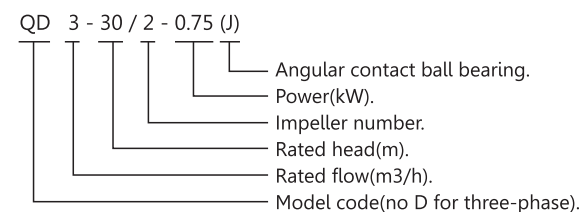
- ♦ 2-pole induction motor.
- ♦ Dry function motor.
- ♦ Insulation: Class E.
- ♦ Protection: IP X8.
- ♦ Single-phase with capacitor.

Material

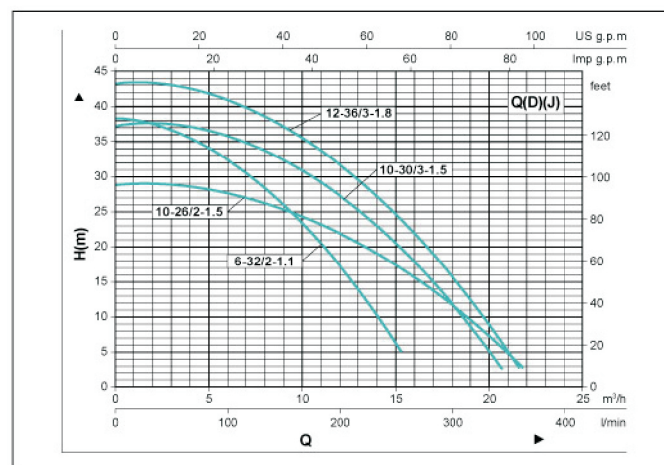
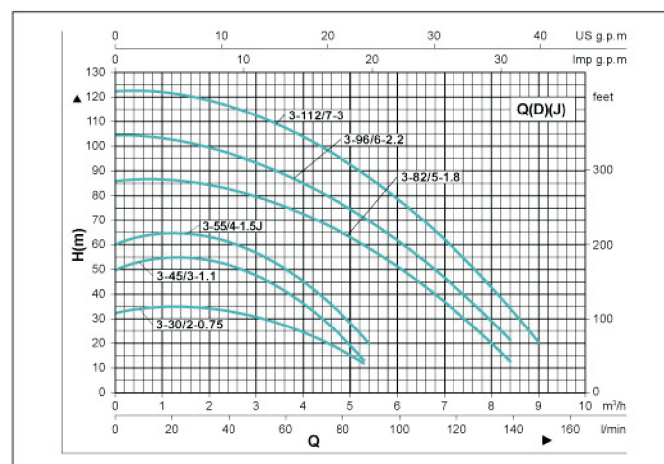
- ♦ Pump body: Cast iron.
- ♦ Motor bracket: Cast iron.
- ♦ Impeller: Aluminum.
- ♦ Motor shaft: CS 45#.
- ♦ Mechanical seal: Ceramic-Graphite,Silicon Ceramic-Graphite.
- ♦ Suction strainer: Zinc-plating.
- ♦ Copper winding.



Model Definition



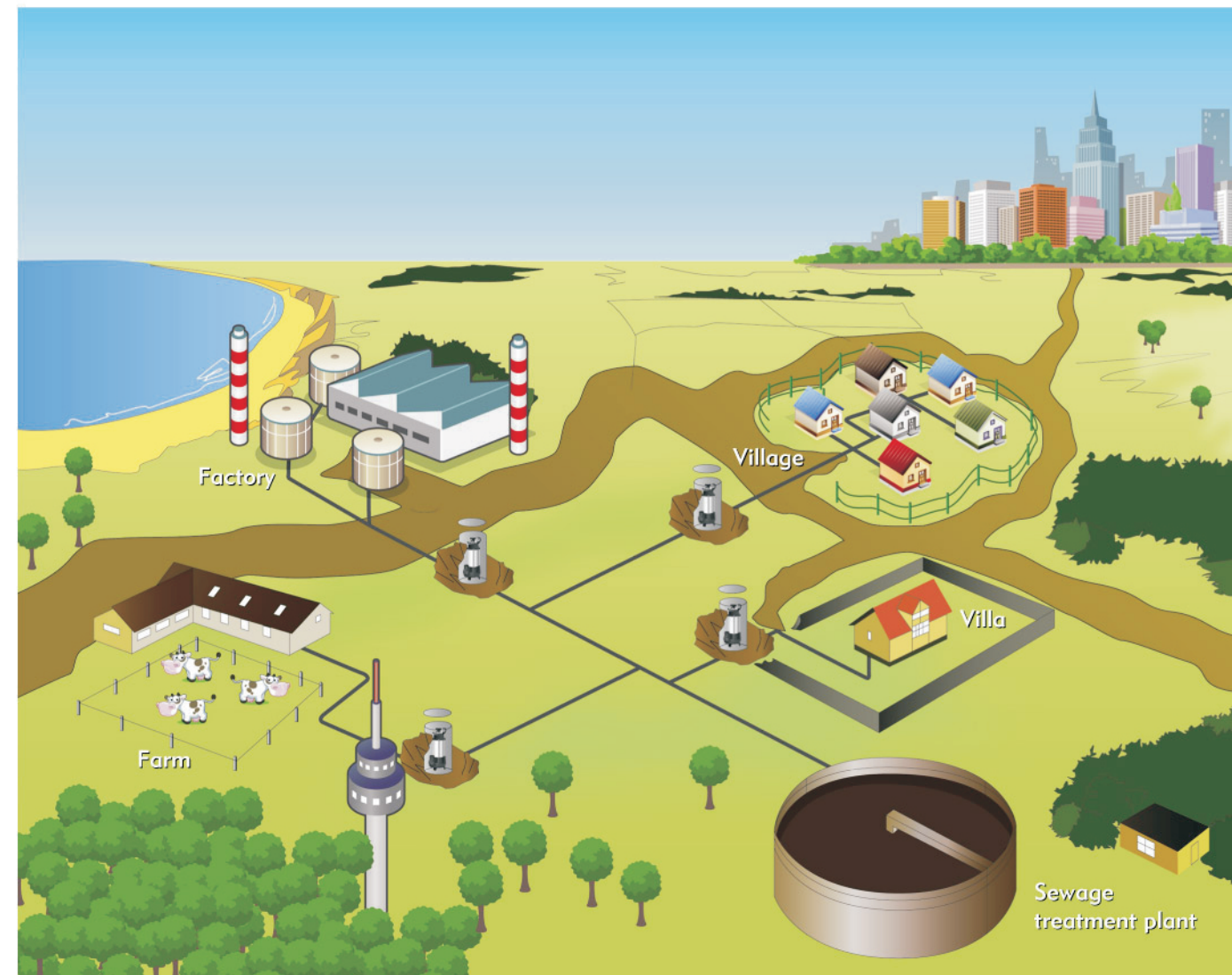
Hydraulic Performance Curve



RPM: n=2850 r/min(50Hz)

Model		Power		Outlet (Inch)	Max.Flow (m ³ /h)	Max.Head (m)	Dim. (mm)		G. W. (kg)		20' Loading Qty. (pcs)
Single-Phase	Three-Phase	kW	HP				Single-Phase	Three-Phase	G (s)	G (t)	
QD3-30/2-0.75	Q3-30/2-0.75	0.75	1	1	5	33	-	480×220×215	22.5	20.5	800
QD3-45/3-1.1	Q3-45/3-1.1	1.1	1.5	1	4.5	53	-	525×220×215	25.5	24.5	720
QD6-32/2-1.1	Q6-32/2-1.1	1.1	1.5	1.25	14	37	-	525×220×215	25.5	26	720
QD3-55/4-1.5J	Q3-55/4-1.5J	1.5	2	1	5	64	-	600×220×215	30.5	26.5	600
QD10-26/2-1.5J	Q10-26/2-1.5J	1.5	2	2	20	38	-	570×220×215	28.5	26.5	600
QD10-30/3-1.5J	Q10-30/3-1.5J	1.5	2	2	20	37	-	600×220×215	30.5	28.5	600
QD3-82/5-1.8J	Q3-82/5-1.8J	1.8	2.5	1	6	88	-	705×220×273	41	39	450
QD12-36/3-1.8J	Q12-36/3-1.8J	1.8	2.5	2	20	43	670×205×275	640×205×278	38	39	450
QD3-96/6-2.2J	Q3-96/6-2.2J	2.2	3	1	8	104	770×220×273	705×220×273	45	43	450
-	Q3-112/7-3J	3	4	1	9	120	-	770×220×273	-	50	400

APPLICATIONS FOR VOSSCHE SEWAGE PUMPS



Sectional Drawing Of WSD(T)



Bearing

Low noise;
High wearing resistance;
Long life expectancy.



Stator winding

100% pure copper wire,high quality
silicon steel sheet and insulation class B
guarantee the pump's high quality.



Rotor

SS316 with 45 # and advanced
friction welding process ensure the pump's
high quality.



Mechanical seal

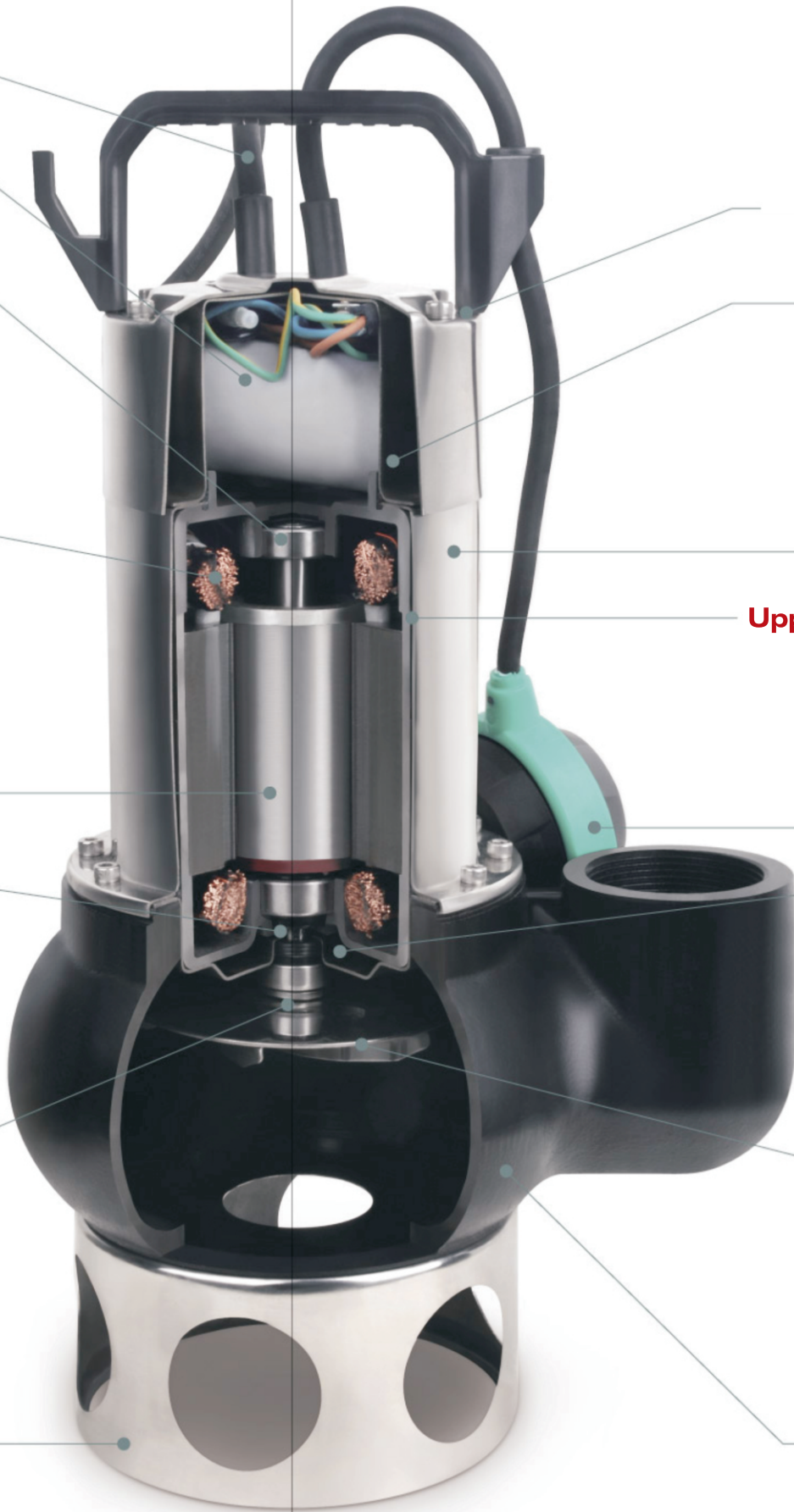
Framework oil seal and single
end mechanical seal improve the pump's
sealability.



Bottom case

Ss304 material enhonces the pump's
corrosion resistance;
More beautiful.

Cable
Capacitor



Top cover & Hande

"VOSSCHE" inlaying second
injection handle and
SS304 top cover.



Capacitor box

Motor base

SS304 material enhances
the pump's corrosion resistance;
More beautiful.



Upper & Bottom bearing block

Float swith

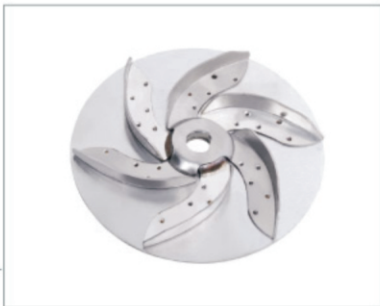
Automatic control;
Protecting the pump
feom dehydration.



Oil chamber cover

Impeller

Advanced hydraulic model
and SS304 material improve
the pump's efficiency and
save energy..



Pump body

The pump's corrosion resistance
enhanced because its surface
is processed with phosphating
and electrophoresis.



WSD(T)

STAINLESS STEEL SUBMERSIBLE SEWAGE PUMPS

Application

- All applications of pumping and draining sewage with suspended solids up to 50mm.
- Suitable for emptying of water, handling of waste water and sanitary waste water.
- Emptying of cesspit and draining of sewage systems.

Operating Conditions

- Max. submersible depth: 5m.
- Liquid temperature up to +40°C.
- Ambient temperature up to +40°C.
- Max. working pressure: 6 bar.
- Passage of suspended solid up to 50mm.

Motor

- 2-pole induction motor.
- Insulation: Class E.
- Protection: IP X8.
- Single phase with capacitor and thermal protector.

Material

- Pump body: Stainless steel(AISI304) or Cast iron.
- Motor bracket: Stainless steel(AISI304).
- Impeller: Stainless steel(AISI304).
- Motor shaft: Stainless steel with 45#.
- Mechanical seal: Ceramic-Graphite.
- Cooper winding.

Model Definition

WSD 55 / 35 (T)

- Pump body material(no T for stainless steel, T for cast iron).
- The max. flow particle(mm).
- 1/10 of the rated output power(W).
- Model code(D for single-phase).



WSD(T)

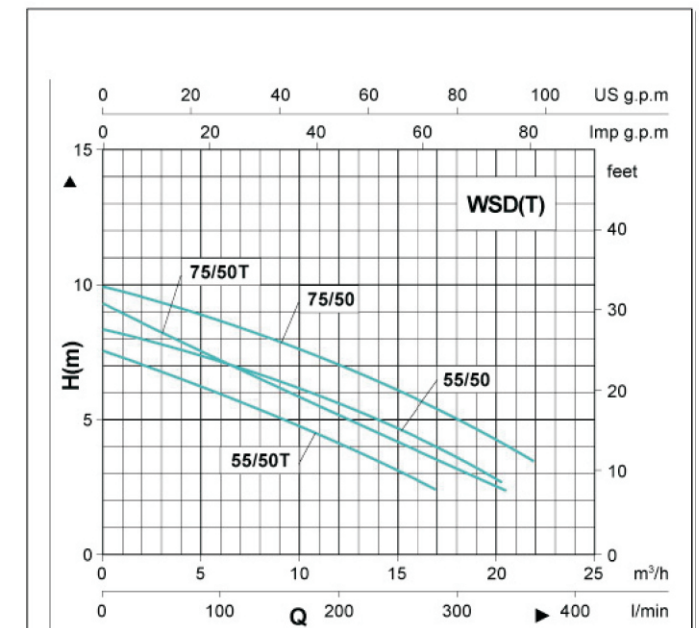
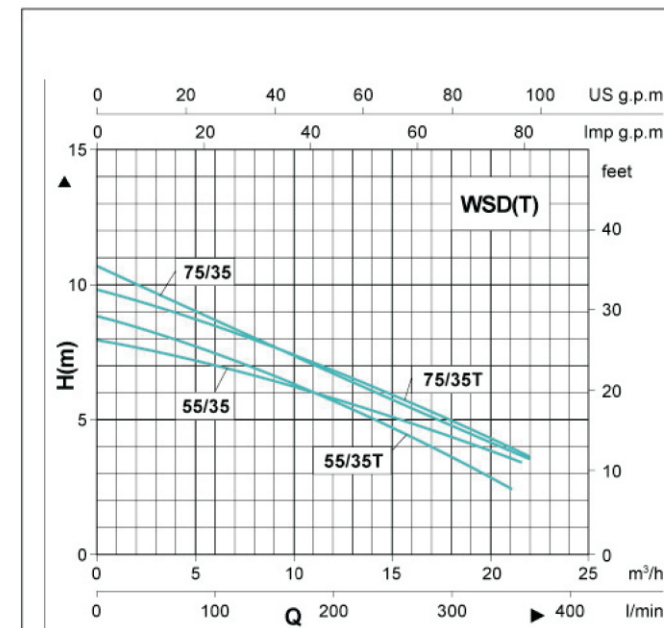
RPM: n=2850 r/min(50Hz)

Model	Power		Outlet (Inch)	Max.Flow (m³/h)	Max.Head (m)	Dim. (mm)	G. W. (kg)	20' Loading Qty. (pcs)
	kW	HP						
WSD55/35	0.55	0.75	2	18	8.5	230×200×465	9.5	1350
WSD55/35T	0.55	0.75	2	18	8	230×200×465	12.5	1350
WSD75/35	0.75	1	2	22	10	230×200×465	10.5	1350
WSD75/35T	0.75	1	2	22	9.5	230×200×465	13.5	1350
WSD55/50	0.55	0.75	2	17	7.5	230×200×465	9.5	1350
WSD55/50T	0.55	0.75	2	16	7.5	230×200×465	12.5	1350
WSD75/50	0.75	1	2	20	9.5	230×200×465	11.5	1350
WSD75/50T	0.75	1	2	20	9.5	230×200×465	15	1350

STAINLESS STEEL SUBMERSIBLE SEWAGE PUMPS

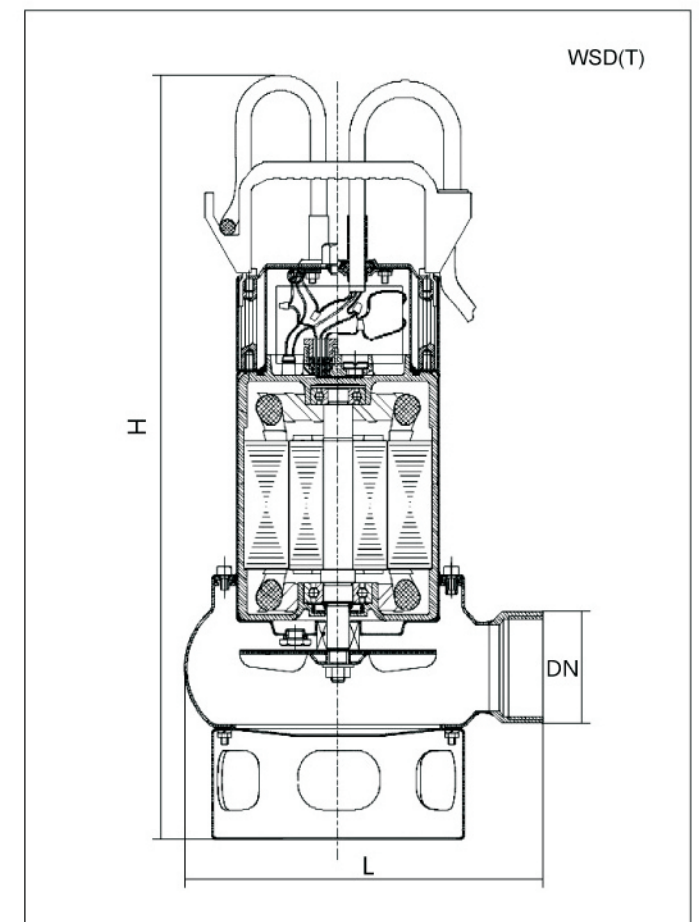
WSD(T)

Hydraulic Performance Curve



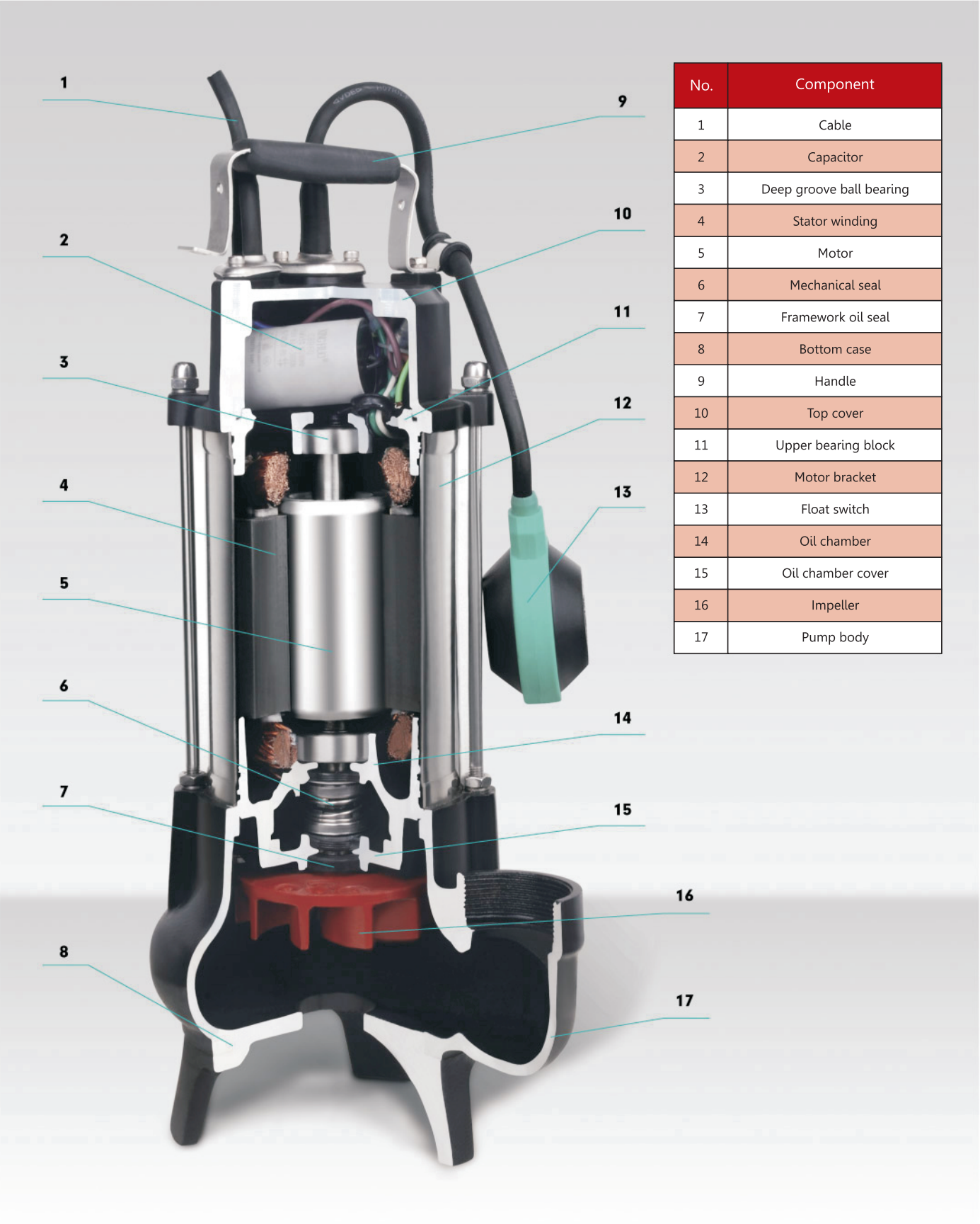
Installation and Size

Model	Dim. (mm)		
	L	H	DN
WSD55/35	210	450	51
WSD55/35T	250	460	51
WSD75/35	210	450	51
WSD75/35T	250	460	51
WSD55/50	220	480	51
WSD55/50T	260	485	51
WSD75/50	220	480	51
WSD75/50T	260	485	51



WVS(D)(A2)(F)

STAINLESS STEEL SUBMERSIBLE SEWAGE PUMPS



No.	Component
1	Cable
2	Capacitor
3	Deep groove ball bearing
4	Stator winding
5	Motor
6	Mechanical seal
7	Framework oil seal
8	Bottom case
9	Handle
10	Top cover
11	Upper bearing block
12	Motor bracket
13	Float switch
14	Oil chamber
15	Oil chamber cover
16	Impeller
17	Pump body

STAINLESS STEEL SUBMERSIBLE SEWAGE PUMPS

WVS(D)(A2)(F)

Application

- ♦ The pumps are suitable for use in applications such as for draining flooded areas such as cellars, underground car parks, car washes, for emptying cesspools and WVS(D) are also for sewage disposal.
- ♦ The pumps distinguish themselves for their reliability, which can be best appreciated under automatic, operating conditions in fixed installations.

Operating Conditions

- ♦ Max. submersible depth: 5m.
- ♦ Liquid temperature up to +40°C.
- ♦ Ambient temperature up to +40°C.
- ♦ Max. working pressure: 6 bar.
- ♦ Passage of suspended solid up to 45mm.

Motor

- ♦ 2-pole induction motor.
- ♦ Single-phase/Three-phase: 50Hz.
- ♦ Insulation: Class B.
- ♦ Protection: IP 68.
- ♦ Single-phase with capacitor and thermal overload protection; Three-phase with thermal overload protection.

Material

- ♦ Pump body: Cast iron.
- ♦ Motor bracket: Stainless steel.
- ♦ Impeller: Cast iron.
- ♦ Motor shaft: SS316 with Cs45#.
- ♦ Mechanical seal: Ceramic-Graphite, Silicon Carbide-Carbide alloy.
- ♦ Cooper winding.

Model Definition

WVS (D) 55
1/10 of the rated power(W).
Model code (no D for three-phase).



WVS(D)



WVS(D)(A2)

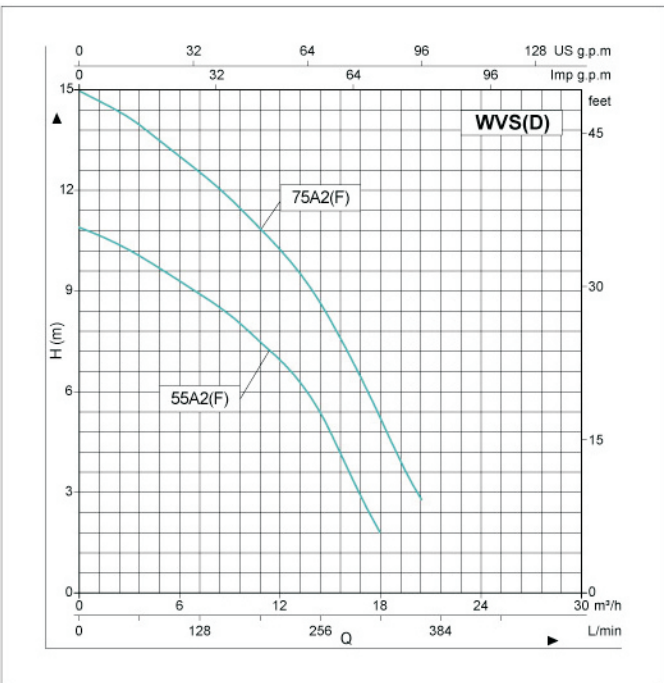
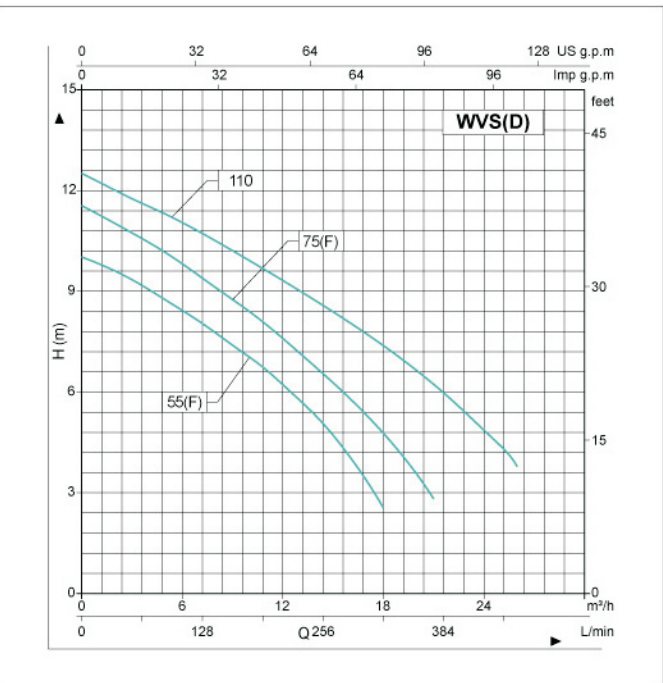
RPM: n=2850 r/min(50Hz)

Model		Power		Outlet (Inch)	Max.Flow (m³/h)	Max.Head (m)	The max. flow particle (mm)	Dim. (mm)	Weight (kg)		20' Loading Qty. (pcs)
Single-Phase	Three-Phase	kW	HP						G. W.	N. W.	
WVSD55(F)	-	0.55	0.75	2	18	10	35-40	490×200×280	16.5	16	1000
WVSD75(F)	-	0.75	1	2	21	12	35-40	510×200×280	18.5	18	960
WVSD110(F)	-	1.1	1.5	2	27	13	40-45	515×210×305	22.5	22	840
-	WVS75	0.75	1	2	21	12	35-40	510×200×280	18	17.5	960
-	WVS110	1.1	1.5	2	27	13	40-45	515×210×305	20.5	20	840
WVSD55A2(F)	-	0.55	0.75	2	18	11	10	490×200×280	16.5	16	1000
WVSD55A2(F)	-	0.75	1	2	20	15	10	510×200×280	18.5	18	960
-	WVS75A2	0.75	1	2	20	15	10	510×200×280	18.5	18	960

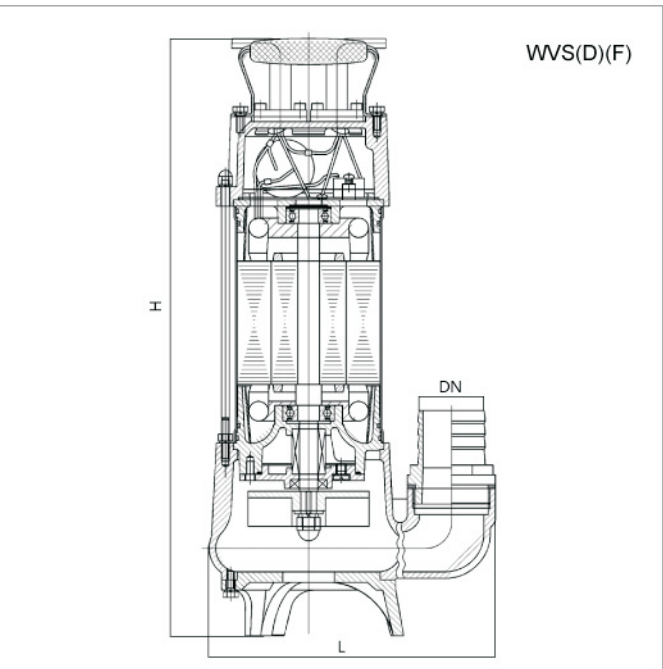
WVS(D)(A2)(F)

STAINLESS STEEL SUBMERSIBLE SEWAGE PUMPS

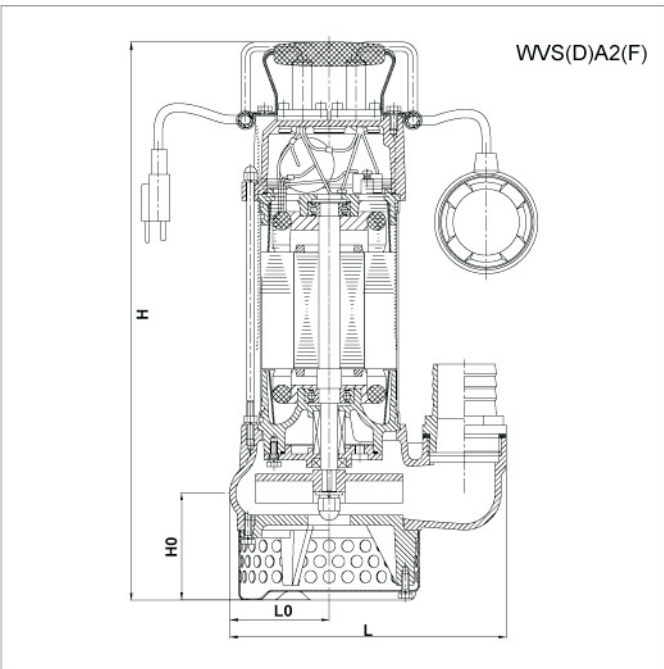
Hydraulic Performance Curve



Installation and Size



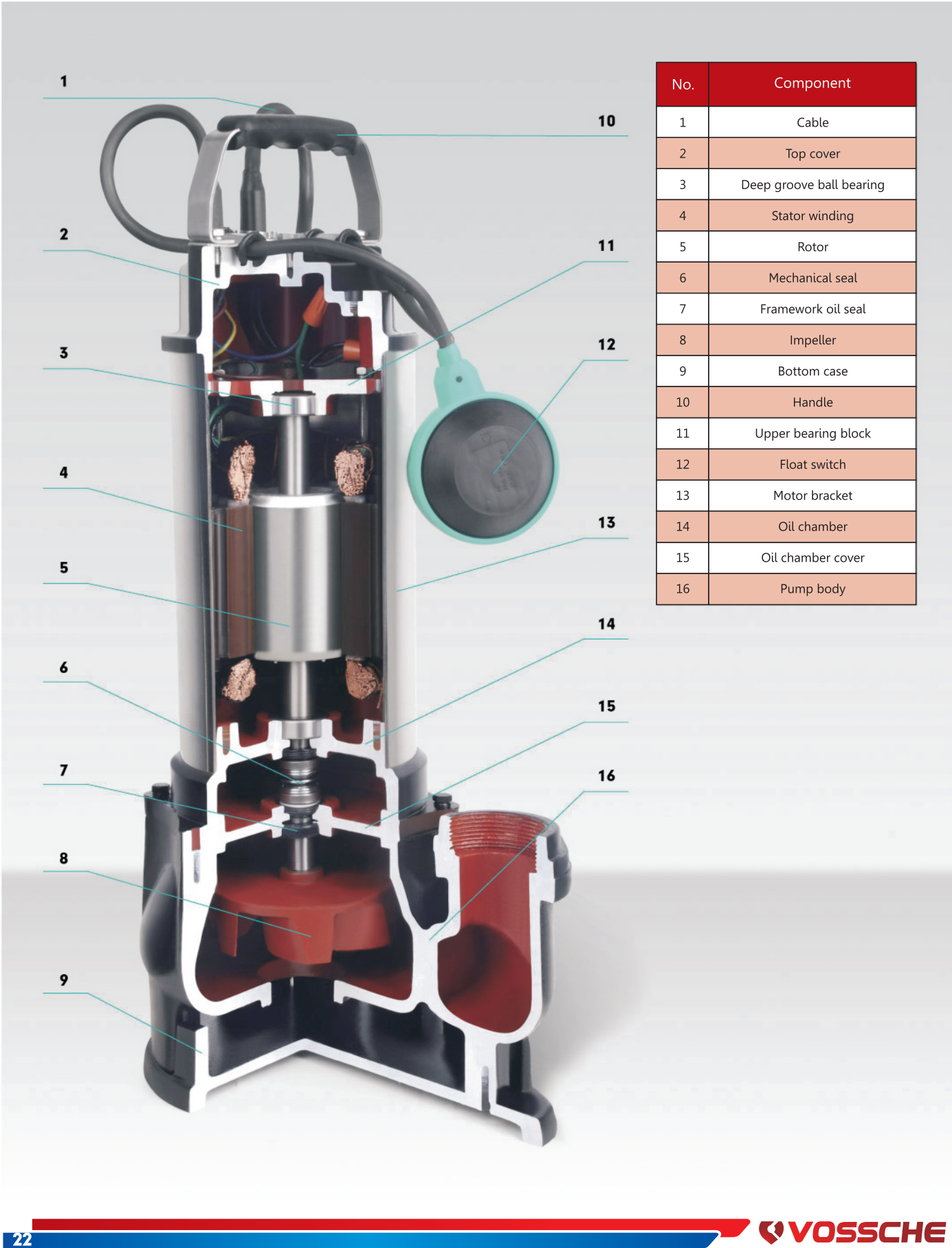
Model	Dim. (mm)		
	L	H	DN
WVSD55	220	440	51
WVSD75	220	460	51
WVSD110	245	475	51
WVS75	220	460	51
WVS110	245	475	51



Model	Dim. (mm)				
	L	L0	H	H0	DN
WVSD55A2(F)	225	80	435	89	G2
WVSD75A2(F)	225	80	455	89	
WVS75A2	225	80	455	89	

STAINLESS STEEL SUBMERSIBLE SEWAGE PUMPS

WVS(D)(A2)(F)



No.	Component
1	Cable
2	Top cover
3	Deep groove ball bearing
4	Stator winding
5	Rotor
6	Mechanical seal
7	Framework oil seal
8	Impeller
9	Bottom case
10	Handle
11	Upper bearing block
12	Float switch
13	Motor bracket
14	Oil chamber
15	Oil chamber cover
16	Pump body

WQXD WQ(D)S

STAINLESS STEEL SUBMERSIBLE SEWAGE PUMPS

Application

- ♦ Domestic/Commercial/Industrial use.
- ♦ Drainage of sewage from the building basements, hotel. Industry waste water from factories.
- ♦ Pumping surface and draining water from the garages and sprinkler systems.
- ♦ Being equipped with a vortex for WQXD, half-open impeller for WQDS, half-open cutting impeller for WQ(D)S-CB.

Operating Conditions

- ♦ Submersible depth: 5m.
- ♦ Liquid temperature up to +40°C.
- ♦ Ambient temperature up to +40°C.
- ♦ Max. working pressure: 6bar.
- ♦ Passage of suspended solid up to 43mm.

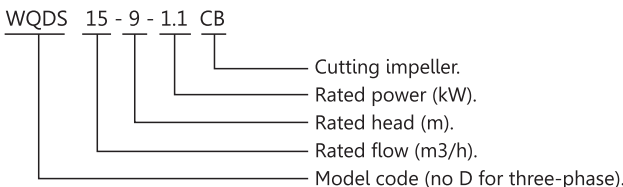
Motor

- ♦ 2-pole induction motor.
- ♦ Single-phase/Three-phase: 50Hz.
- ♦ Insulation: Class E.
- ♦ Protection: IP X8.
- ♦ Single-phase with capacitor and thermal overload protection.

Material

- ♦ Pump body: Cast iron.
- ♦ Motor bracket: Stainless steel.
- ♦ Impeller: Cast iron or brass.
- ♦ Motor shaft: SS316 with Cs45#; 2Cr13.
- ♦ Mechanical seal: Ceramic-Graphite, Silicon carbide-Carbide alloy.
- ♦ Cooper winding.

Model Definition



WQXD



WQXD



WQS-CB



WQS-CB



WQ(D)S



WQ(D)S7-7-0.55
WQ(D)S10-7-0.75
WQ(D)S10-10-1.1



WQ(D)S

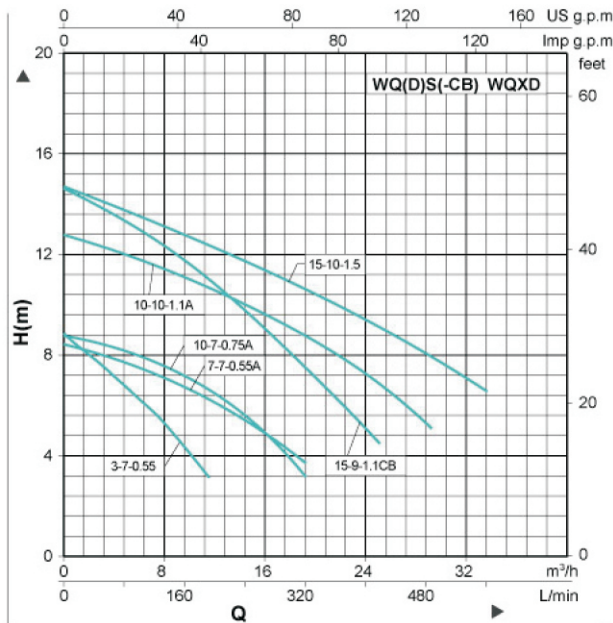
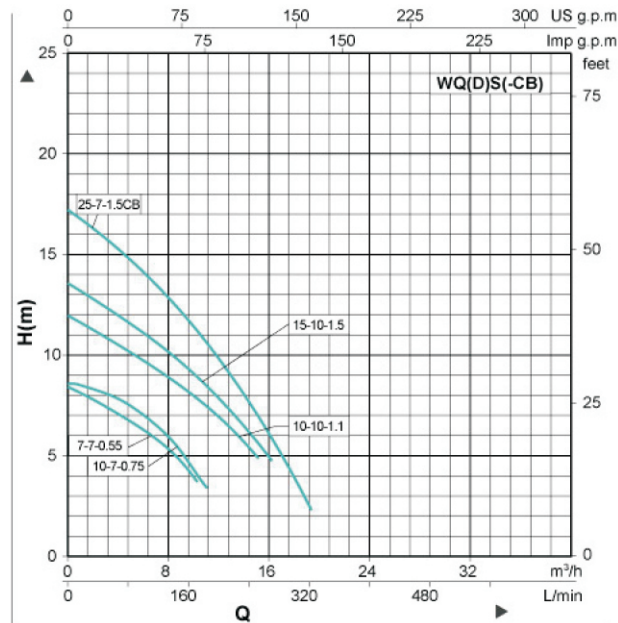


WQ(D)S-A
WQ(D)S15-10-1.5

STAINLESS STEEL SUBMERSIBLE SEWAGE PUMPS

WQXD WQ(D)S

Hydraulic Performance Curve



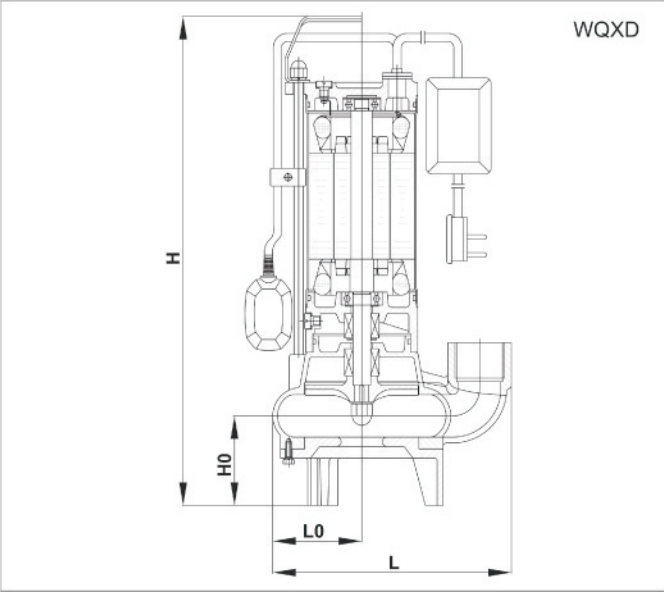
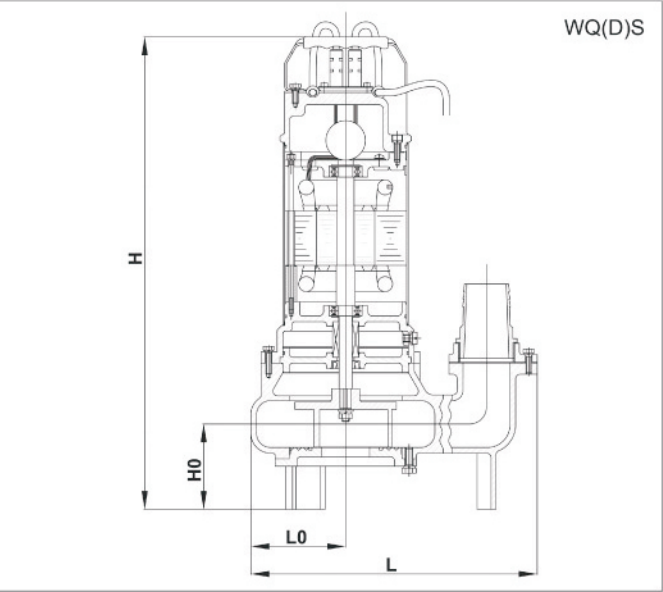
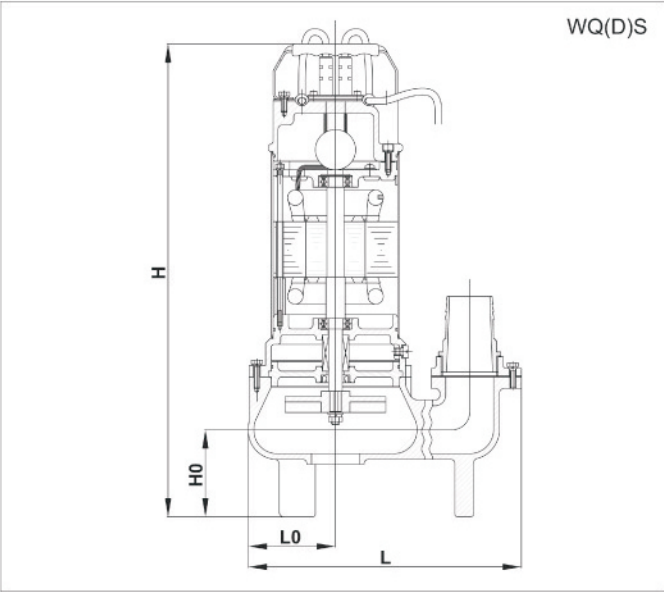
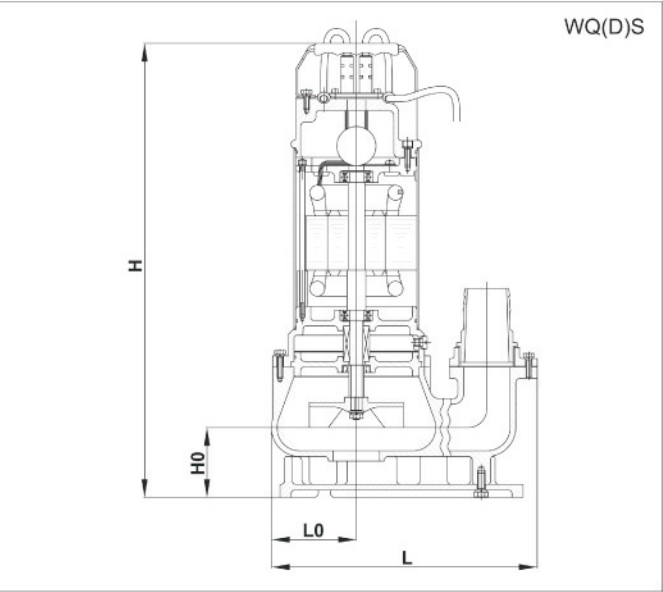
RPM: n=2850 r/min(50Hz)

Model		Power		Outlet	Max.Flow	Max.Head	The max.	Dim. (mm)	Weight (kg)		20'
Single-Phase	Three-Phase	kW	HP	(Inch)	(m ³ /h)	(m)	flow particle		G. W.	N. W.	Loading Qty.
							(mm)				(pcs)
WQDS7-7-0.55	-	0.55	0.75	2	19	8.5	25	565×210×340	26	23	720
WQDS7-7-0.55A	-	0.55	0.75	2	19	8.5	43	565×210×340	26	23	720
WQDS10-7-0.75	-	0.75	1	2	20.5	8.5	25	605×210×340	28	25	720
WQDS10-7-0.75A	-	0.75	1	2	19	8.8	43	605×210×340	28	25	720
WQDS10-10-1.1	-	1.1	1.5	2	29	12	25	605×210×340	31	27	700
WQDS10-10-1.1A	-	1.1	1.5	2	29	13	45	605×210×340	31	27	660
WQDS15-10-1.5	-	1.5	2	2	33	15	35	625×210×325	33	29	625
WQDS15-9-1.1CB	-	1.1	1.5	2	25	14.5	20	635×230×345	31	27	660
WQDS25-7-1.5CB	-	1.5	2	2	35	16.5	20	635×230×345	33	29	625
WQXD3-7-0.55	-	0.55	0.75	1.5	11.5	8.8	35	475×180×260	16	13	1240
-	WQS10-7-0.5A	0.75	1	2	19	8.8	43	625×210×325	28	25	625
-	WQS10-10-1.1	1.1	1.5	2	28	12	28	625×210×325	31	27	640
-	WQS15-10-1.5	1.5	2	2	30	14	25	625×210×325	33	29	580
-	WQS10-9-0.75CB	0.75	1	2	20	11	20	605×210×340	28	25	720
-	WQS15-9-1.1CB	1.1	1.5	2	25	14	20	635×230×345	31	27	640
-	WQS25-7-1.5CB	1.5	2	2	40	16.5	20	635×230×345	32	28	580

WQXD WQ(D)S

STAINLESS STEEL SUBMERSIBLE SEWAGE PUMPS

Installation and Size



Model	Dim. (mm)				
	L	L0	H	H0	DN
WQDS7-7-0.55	271	91	490	75	G2 pipe thread
WQDS7-7-0.55A	271	91	518	91	
WQDS10-7-0.75	271	91	512	75	
WQDS10-7-0.75A	271	91	533	91	
WQDS10-10-1.1	271	91	527	75	
WQDS10-10-1.1A	271	91	544	91	
WQDS15-9-1.1CB	291	91	554	91	
WQDS15-10-1.5	271	91	559	91	
WQDS25-7-1.5CB	291	91	569	91	Rp1 1/4 pipe thread
WQXD3-7-0.55	203	76	414	76	

Model	Dim. (mm)				
	L	L0	H	H0	DN
WQS10-7-0.75A	271	91	533	91	G2 pipe thread
WQS10-9-0.75CB	291	91	543	91	
WQS10-10-1.1	271	91	545	91	
WQS15-9-1.1CB	291	91	554	91	
WQS15-10-1.5	271	91	559	91	
WQS25-7-1.5CB	291	91	569	91	

QT

Application

- ♦ Suitable for use in domestic, civil and industrial applications where the water, such as groundwater, surface water and sewage water, contains suspended solid up to 7mm.
- ♦ They are suitable for use in applications such as for draining flooded areas such as cellars, underground car parks, car washes, for emptying cesspools and for sewage disposal.

Operating Conditions

- ♦ Submersible depth: 5m.
- ♦ Liquid temperature up to +40°C.
- ♦ Ambient temperature up to +40°C.
- ♦ Max. working pressure: 6bar.
- ♦ Passage of suspended solid up to 7mm.

Motor

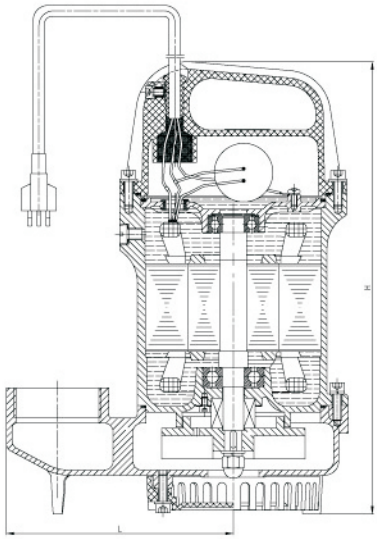
- ♦ 2-pole induction motor.
- ♦ Single-phase: 50Hz/220v.
- ♦ Insulation: Class B.
- ♦ Protection: IP 68.
- ♦ Single-phase with capacitor and thermal overload protection.
- ♦ Three-phase with thermal overload protection.

Material

- ♦ Top cover&Handle:Nylon PA66G30
- ♦ Bottom case:PA66G30
- ♦ Pump body: Cast iron.
- ♦ Impeller: Cast iron.
- ♦ Motor shaft: 2Cr13.
- ♦ Mechanical seal: Tungsten Ceramic-Silicon carbide.
- ♦ Copper winding.

Model Definition

QT 25
1/10 of the rated power(W).
Model code



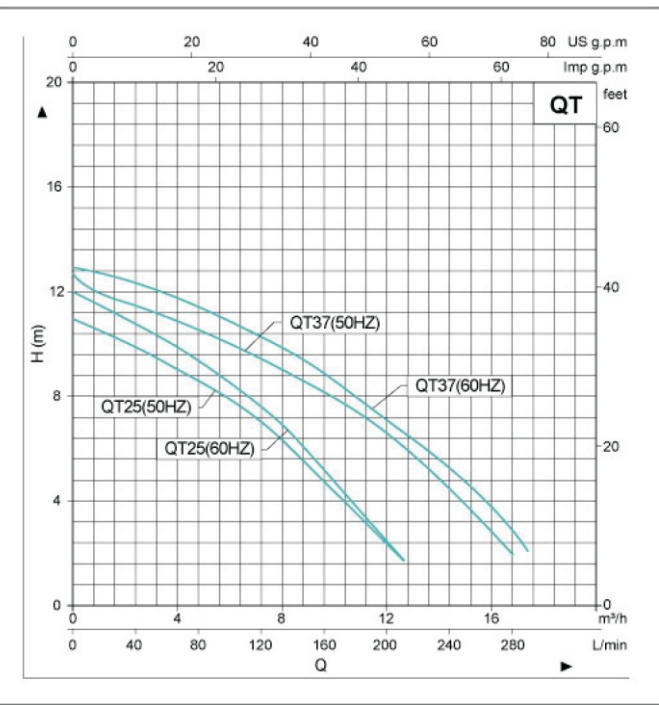
H=310mm, L=155mm G2 pipe thread



RPM: n=2850 r/min(50Hz)

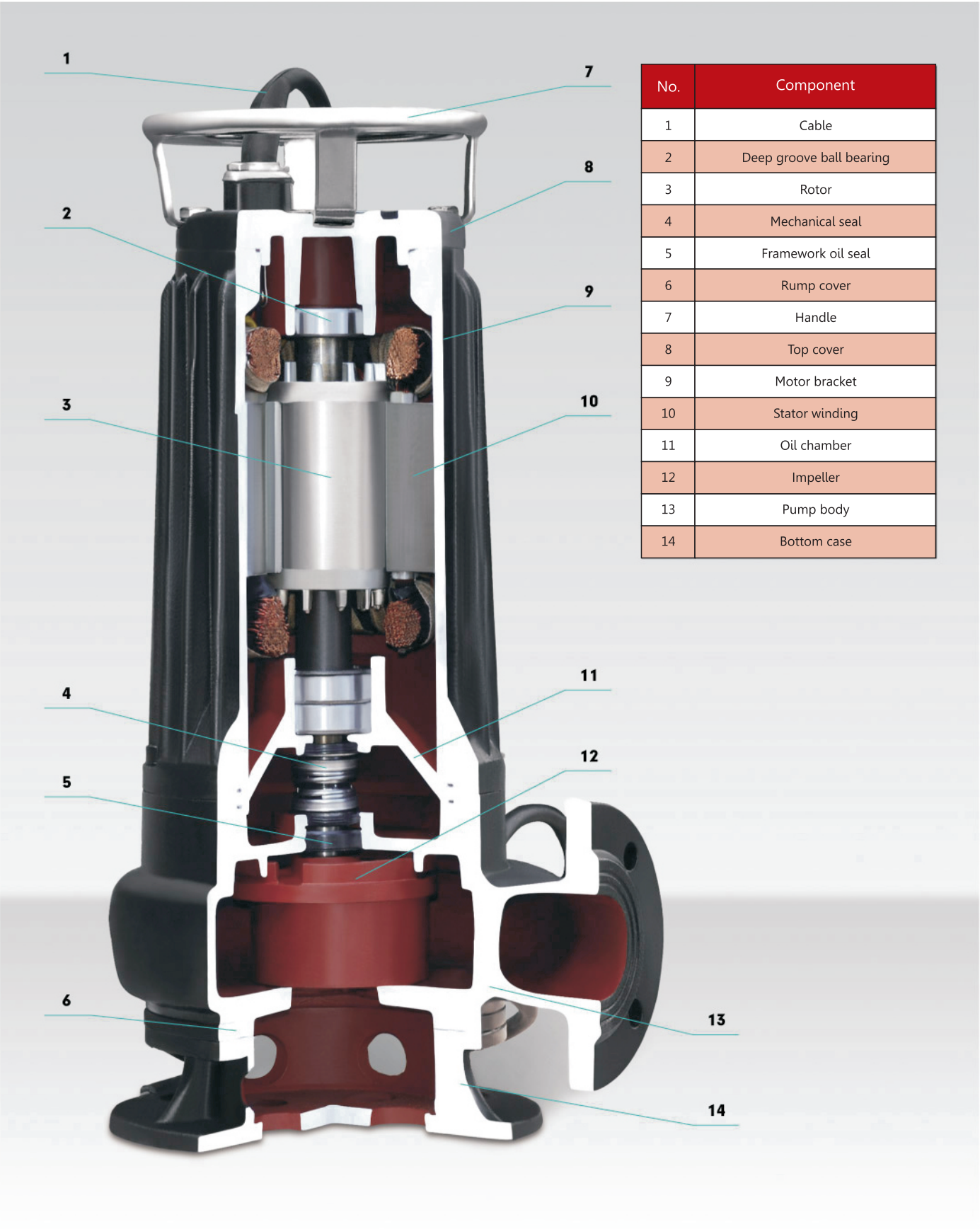
Model	Voltage (V)	Frequency (Hz)	Power		Outlet (Inch)	Max.Flow (m³/h)	Max.Head (m)	The max. flow particle (mm)	Dim. (mm)	Weight(kg)		20' Loading Qty. (pcs)
			kW	HP						G. W.	N. W.	
QT25	220	50	0.37	0.5	2	10	10	7	230×160×310	12	11	1700
QT37	220	50	0.55	0.75	2	17	12	7	230×160×310	13	12	1600

Hydraulic Performance Curve



WQ(D)AS-CB

SUBMERSIBLE SEWAGE PUMPS



SUBMERSIBLE SEWAGE PUMPS

WQ(D)AS-CB

Application

- Domestic/Commercial/Industrial use.
- Drainage of sewage from the building basements, hotel. Industry waste water from factories.
- Pumping surface and draining water from the garages and sprinkler systems.
- Being equipped with a single-channel impeller.

Operating Conditions

- Submersible depth: 5m.
- Liquid temperature up to +40°C.
- Ambient temperature up to +40°C.
- Max. working pressure: 6bar.
- Passage of suspended solid up to 35mm.

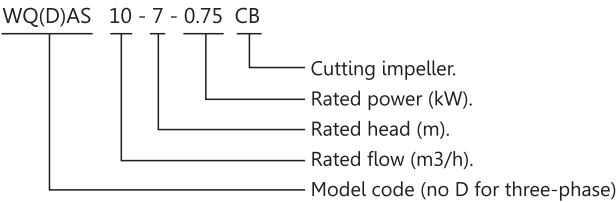
Motor

- 2-pole induction motor.
- Single-phase/Three-phase: 50Hz.
- Insulation: Class E.
- Protection: IP X8.
- Single-phase with capacitor and thermal overload protection.

Material

- Pump body: Cast iron.
- Motor bracket: NodularCast iron.
- Impeller: Cast iron.
- Motor shaft: SS316 with Cs45#.
- Mechanical seal: Ceramic-Graphite, Silicon Carbide-Carbide alloy.
- Cooper winding.

Model Definition



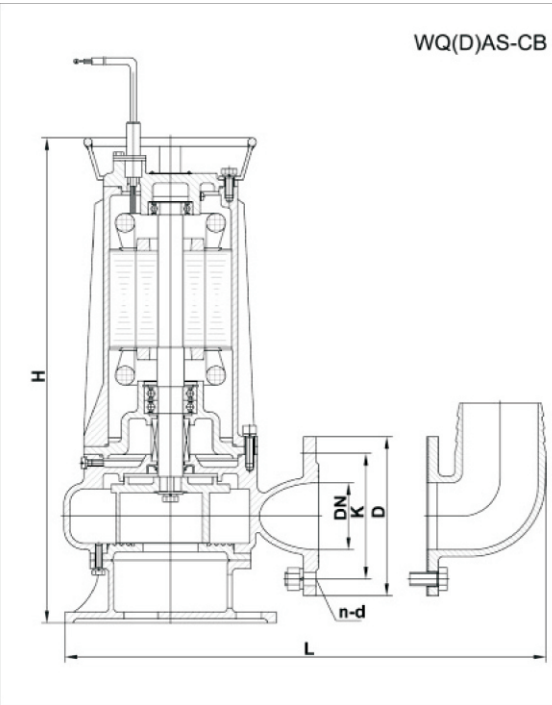
RPM: n=2850 r/min(50Hz)

Model		Power		Outlet	Max.Flow	Max.Head	The max.	Dim. (mm)	Weight (kg)		20' Loading Qty. (pcs)
Single-Phase	Three-Phase	kW	HP	(Inch)	(m³/h)	(m)	flow particle (mm)		G. W.	N. W.	
WQDAS10-7-0.75CB	-	0.75	1	2	20	11	20	630×220×290	37	33	630
WQDAS15-9-1.1CB	-	1.1	1.5	2	25	13	20	680×220×275	38	35	550
WQDAS25-7-1.5CB	-	1.5	2	2.5	33	13.5	25	590×260×315	47	43	440
WQDAS25-10-2.2CB	-	2.2	3	2.5	42	16	25	590×260×315	53	49	370
-	WQAS10-7-0.75CB	0.75	1	2	20	11	20	530×220×275	33	30	630
-	WQAS15-9-1.1CB	1.1	1.5	2	25	13	20	530×220×275	35	32	600
-	WQAS25-7-1.5CB	1.5	2	2.5	33	13.5	25	590×260×315	44	40	470
-	WQAS25-10-2.2CB	2.2	3	2.5	42	16	25	590×260×315	50	46	420
-	WQAS42-11-3CB	3	4	3	70	19.5	30	680×335×385	73	68	270
-	WQAS50-10-4CB	4	5.5	3	75	21	30	680×335×385	75	86	250
-	WQAS65-12-5.5CB	5.5	7.5	4	95	23	30	755×360×435	116	106	180
-	WQAS85-13-7.5CB	7.5	10	4	124	31	35	785×360×435	125	115	160

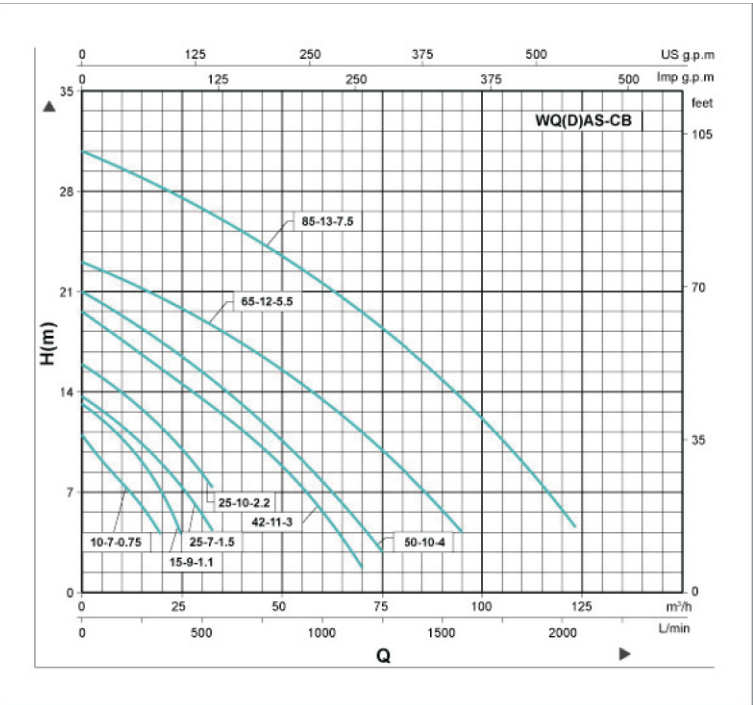
WQ(D) AS-CB

SUBMERSIBLE SEWAGE PUMPS

Installation and Size



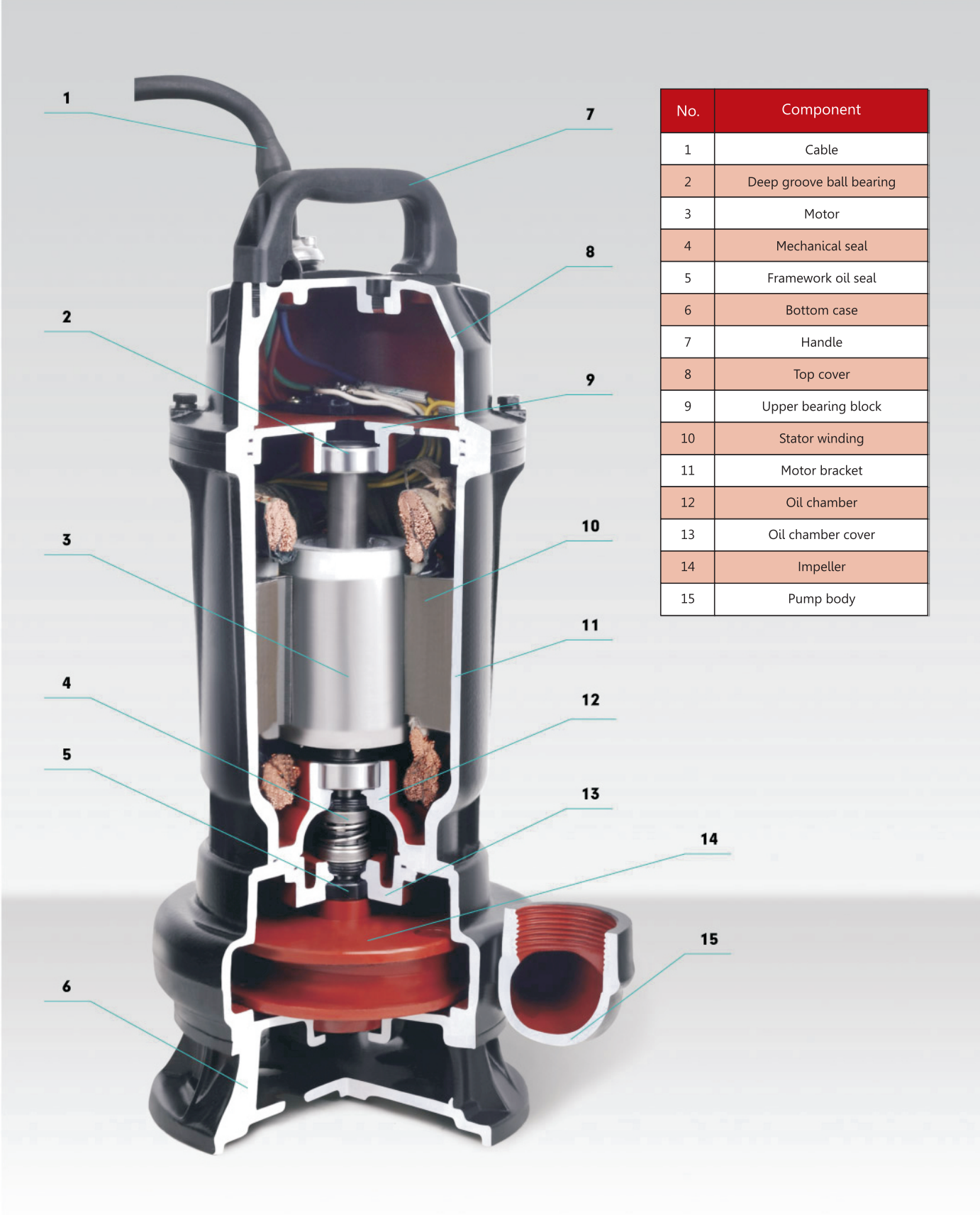
Hydraulic Performance Curve



Model	Dim. (mm)					
	L	H	DN	D	K	n-d
WQDAS10-7-0.75CB	215	475	50	140	110	4-M12
WQDAS15-9-1.1CB	225	498	50	140	110	4-M12
WQDAS25-7-1.5CB	275	515	50	140	110	4-M12
WQDAS25-10-2.2CB	275	565	50	140	110	4-M12
WQAS10-7-0.75CB	215	450	50	140	110	4-M12
WQAS15-9-1.1CB	225	483	50	140	110	4-M12
WQAS25-7-1.5CB	275	515	50	140	110	4-M12
WQAS25-10-2.2CB	275	545	50	140	110	4-M12
WQAS42-11-3CB	301	565	80	190	150	4-M16
WQAS50-10-4CB	301	585	80	190	150	4-M16
WQAS65-12-5.5CB	335	690	100	210	170	4-M16
WQAS85-13-7.5CB	335	720	100	210	170	4-M16

SUBMERSIBLE SEWAGE PUMPS

WQ(D) -B



WQ(D)-B

SUBMERSIBLE SEWAGE PUMPS

Application

- ♦ Domestic/Commercial/Industrial use.
- ♦ Drainage of sewage from the building basements, hotel. Industry waste water from factories.
- ♦ Pumping surface and draining water from the garages and sprinkler systems.
- ♦ Being equipped with a single-channel impeller.

Operating Conditions

- ♦ Submersible depth: 5m.
- ♦ Liquid temperature up to +40°C.
- ♦ Ambient temperature up to +40°C.
- ♦ Max. working pressure: 6bar.
- ♦ Passage of suspended solid up to 35mm.

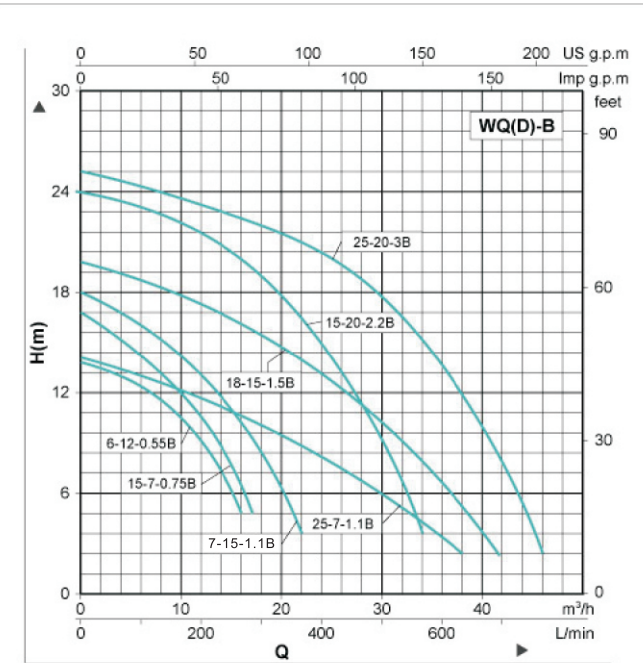
Motor

- ♦ 2-pole induction motor.
- ♦ Single-phase/Three-phase: 50Hz.
- ♦ Insulation: Class E.
- ♦ Protection: IP X8.
- ♦ Single-phase with capacitor and thermal overload protection.
- ♦ Three-phase from 0.75kW to 2.2kW with thermal overload protection.

Material

- ♦ Pump body: Cast iron.
- ♦ Motor bracket: Cast iron.
- ♦ Impeller: Cast iron.
- ♦ Motor shaft: Ss420or Ss316&CS45#
- ♦ Mechanical seal: Ceramic-Graphite, Silicon Carbide-Carbide alloy.
- ♦ Cooper winding.

Hydraulic Performance Curve



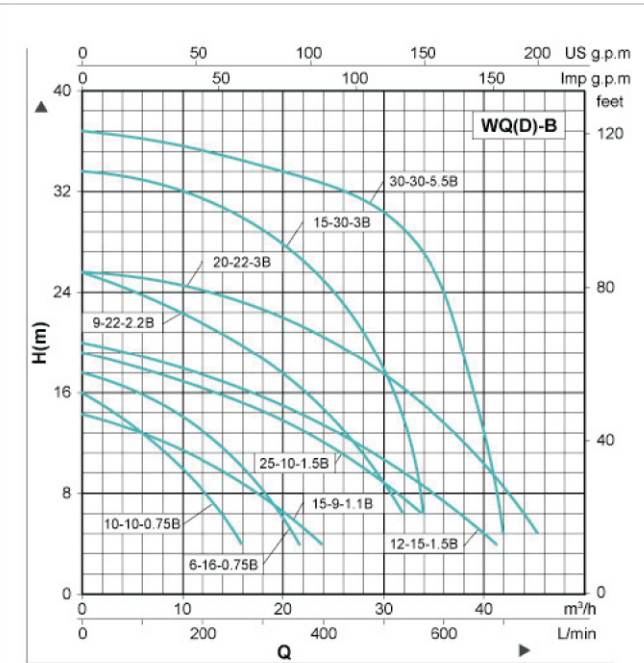
Model Definition

WQD 6 - 16 - 0.75 B

The second generation.
Rated power (kW).
Rated head (m).
Rated flow (m³/h).
Model code (no D for three-phase).



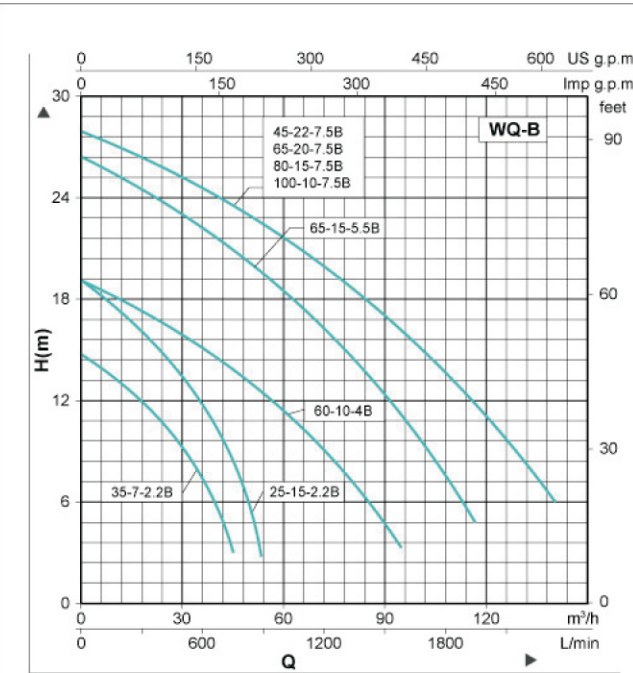
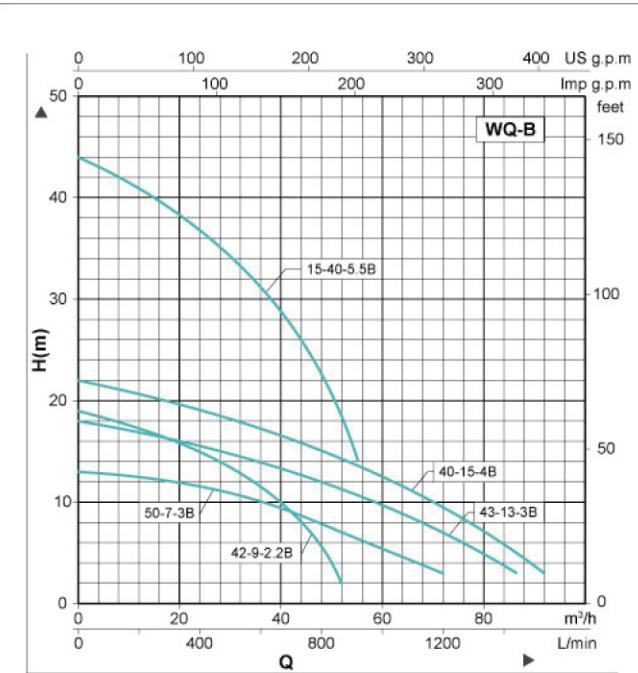
WQ(D)-B



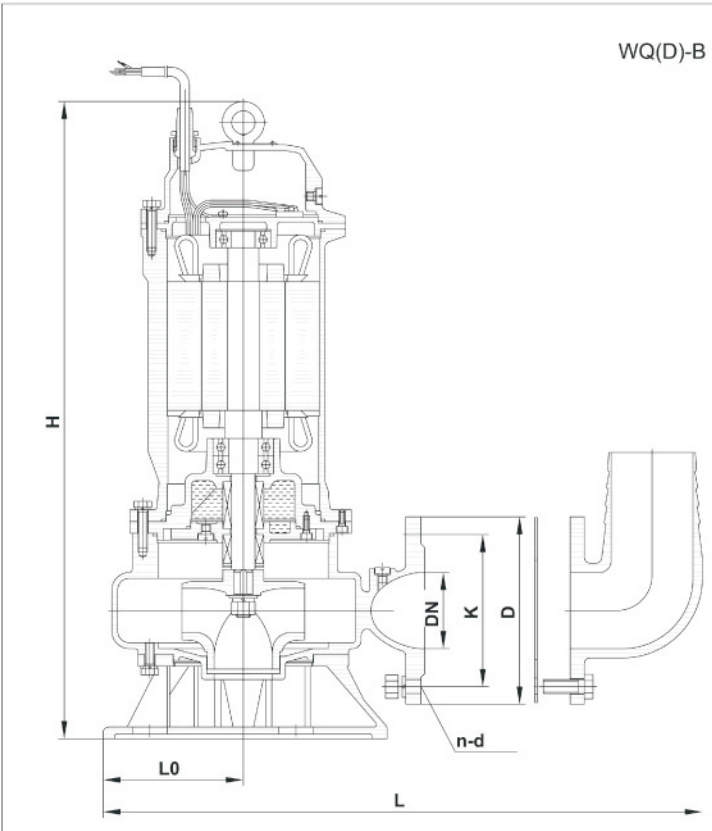
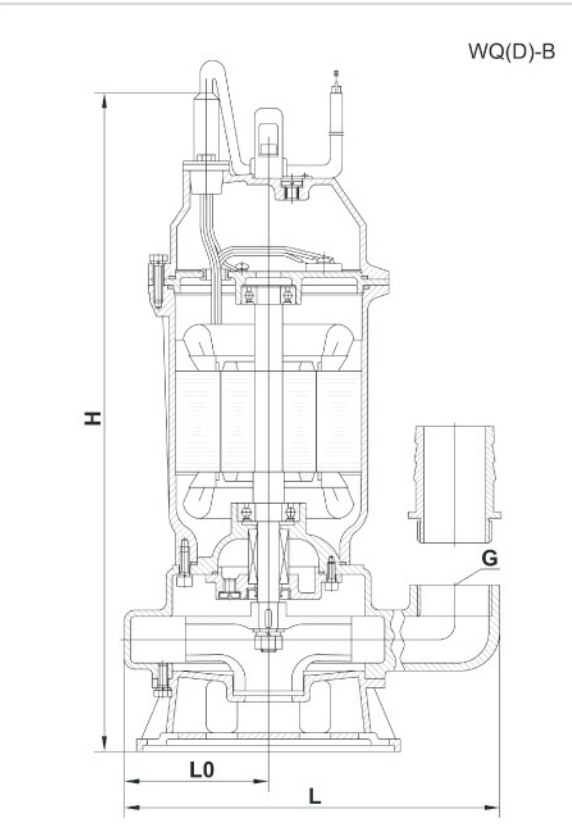
SUBMERSIBLE SEWAGE PUMPS

WQ(D)-B

Hydraulic Performance Curve



Installation and Size



WQ(D)-B

SUBMERSIBLE SEWAGE PUMPS

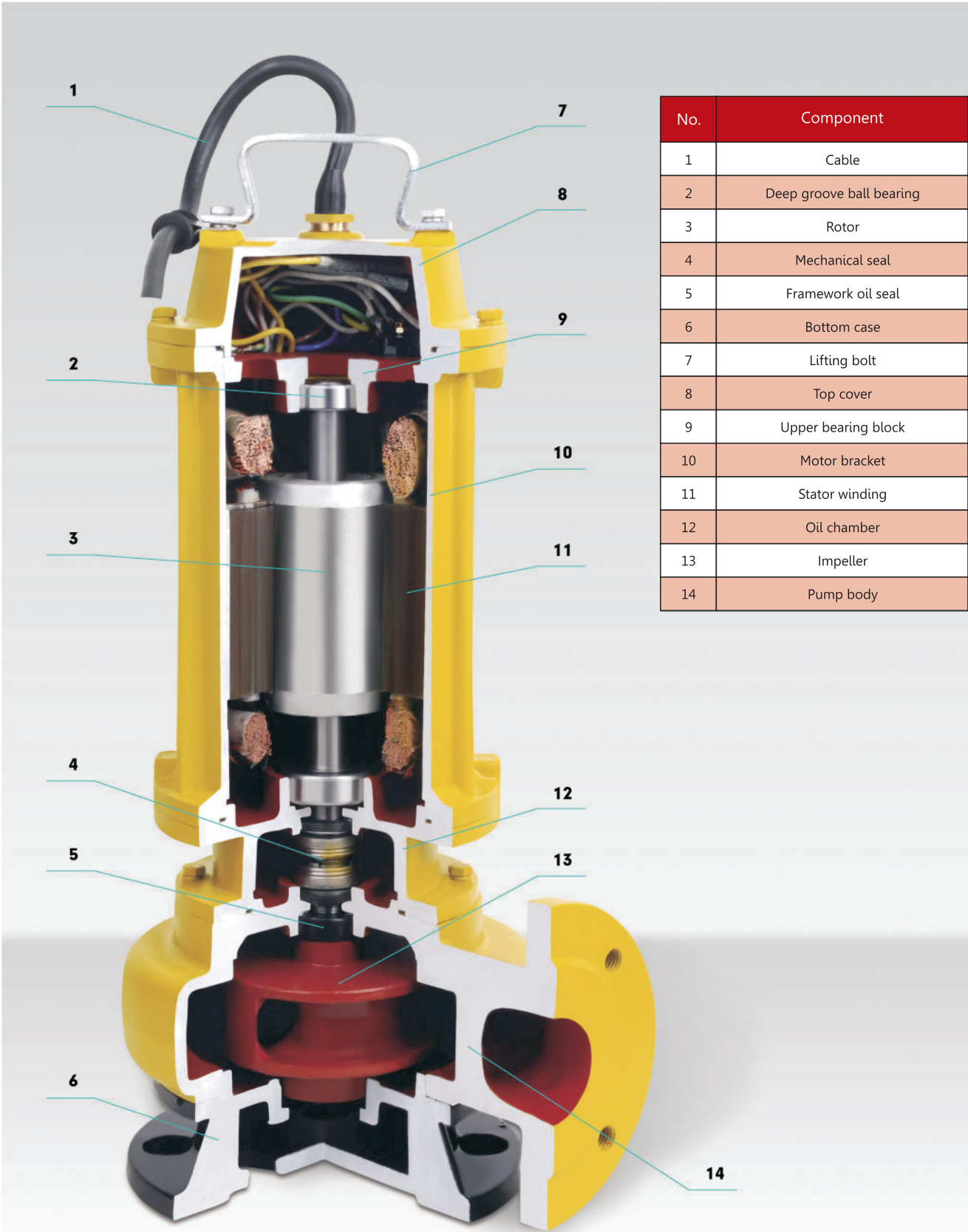
Model	Dim. (mm)					
	L	H	DN	D	K	n-d
WQD6-12-0.55B	242	415	G1 1/2Pipe thread			
WQD6-16-0.75B	242	415				
WQD10-10-0.75B	242	415				
WQD15-9-1.1B	260	475	G2 Pipe thread			
WQD7-15-1.1B	263	475	G1 1/2 Pipe thread			
WQ6-16-0.75B	242	415				
WQ10-10-0.75B	242	415				
WQ15-7-0.75B	245	414				
WQ15-9-1.1B	260	475	G2 Pipe thread			
WQ7-15-1.1B	263	475	G1 1/2 Pipe thread			
WQ25-7-1.1B	268	485	G2 Pipe thread			
WQ12-15-1.5B	268	485				
WQ18-15-1.5B	268	485				
WQ25-10-1.5B	268	485				
WQ9-22-2.2B	341	532	50	140	110	4-Ø14
WQ15-20-2.2B	356	532	50	140	110	4-Ø14
WQ25-15-2.2B	390	545	65	160	130	4-Ø14

RPM: n=2850 r/min(50Hz)

Model		Power		Outlet (Inch)	Max.Flow (m³/h)	Max.Head (m)	The max. flow particle (mm)	Dim. (mm)	Weight (kg)		20' Loading Qty. (pcs)
Single-Phase	Three-Phase	kW	HP						G. W.	N. W.	
WQD6-12-0.55B	-	0.55	0.75	2	16	14	20	425×230×215	19	18	1100
WQD6-16-0.75B	-	0.75	1	2	22	17.5	20	425×230×215	22	21	100
WQD10-10-0.75B	-	0.75	1	2	16	16	20	425×230×215	21	20	1100
WQD15-9-1.1B	-	1.1	1.5	2	24	14.5	20	550×245×295	30	27	650
WQD7-15-1.1B	-	1.1	1.5	2	22	18	20	550×245×295	31	28	650
-	WQ6-16-0.75B	0.75	1	2	22	17.5	20	425×230×215	21	20	1100
-	WQ10-10-0.75B	0.75	1	2	16	16	20	425×230×215	20	19	1100
-	WQ15-7-0.75B	0.75	1	2.5	18	17	20	425×230×215	20	19	1100
-	WQ15-9-1.1B	1.1	1.5	2	24	14.5	20	550×245×295	28	25	650
-	WQ7-15-1.1B	1.1	1.5	2	22	18	20	550×245×295	30	27	650
-	WQ25-7-1.1B	1.1	1.5	2.5	37	14.5	25	550×245×295	29	26	650
-	WQ12-15-1.5B	1.5	2	2	34	19.5	20	550×245×295	31	28	650
-	WQ18-15-1.5B	1.5	2	2.5	41	20	20	550×245×295	31	28	650
-	WQ25-10-1.5B	1.5	2	2.5	41	20	25	550×245×295	30	27	650
-	WQ9-22-2.2B	2.2	3	2	32	25.6	20	630×285×345	46	42	500
-	WQ15-20-2.2B	2.2	3	2.5	34	24	20	630×285×345	46	42	500
-	WQ25-15-2.2B	2.2	3	3	52	19	25	630×285×345	49	45	500
-	WQ35-7-2.2B	2.2	3	3	45	14.5	25	630×285×345	49	45	500
-	WQ42-9-2.2B	2.2	3	3	52	19	25	630×285×345	49	45	500
-	WQ15-30-3B	3	4	2.5	34	33.5	25	690×285×345	59	54	380
-	WQ20-22-3B	3	4	3	34	25.5	25	680×285×345	59	55	380
-	WQ25-20-3B	3	4	3	46	25	25	680×285×345	59	55	380
-	WQ43-13-3B	3	4	4	75	21	25	700×310×370	65	60	380
-	WQ50-10-3B	3	4	4	72	13	25	700×310×370	65	60	380
-	WQ40-15-4B	4	5.5	4	92	22	25	745×345×415	73	68	300
-	WQ60-10-4B	4	5.5	4	95	19	25	745×345×415	73	68	300
-	WQ15-40-5.5B	5.5	7.5	2.5	54	42.5	25	750×340×380	88	82	250
-	WQ30-30-5.5B	5.5	7.5	3	42	37	25	750×340×380	96	90	250
-	WQ65-15-5.5B	5.5	7.5	4	116	26.5	30	810×340×410	96	90	250
-	WQ45-22-7.5B	7.5	10	3	140	27	30	845×355×415	109	102	200
-	WQ65-20-7.5B	7.5	10	4	140	27	30	845×355×415	109	102	200
-	WQ80-15-7.5B	7.5	10	4	140	27	30	815×355×415	109	102	200
-	WQ100-10-7.5B	7.5	10	4	140	27	30	845×355×415	109	102	200

SUBMERSIBLE SEWAGE PUMPS

WQ(D)-B



No.	Component
1	Cable
2	Deep groove ball bearing
3	Rotor
4	Mechanical seal
5	Framework oil seal
6	Bottom case
7	Lifting bolt
8	Top cover
9	Upper bearing block
10	Motor bracket
11	Stator winding
12	Oil chamber
13	Impeller
14	Pump body

WQ(D)

SUBMERSIBLE SEWAGE PUMPS

Application

- ♦ Domestic/Commercial/Industrial use.
- ♦ Drainage of sewage from the building basements, hotel. Industry waste water from factories.
- ♦ Pumping surface and draining water from the garages and sprinkler systems.
- ♦ Being equipped with a single-channel impeller.

Operating Conditions

- ♦ Submersible depth: 5m.
- ♦ Liquid temperature up to +40°C.
- ♦ Ambient temperature up to +40°C.
- ♦ Max. working pressure: 6bar.
- ♦ Passage of suspended solid up to 35mm.

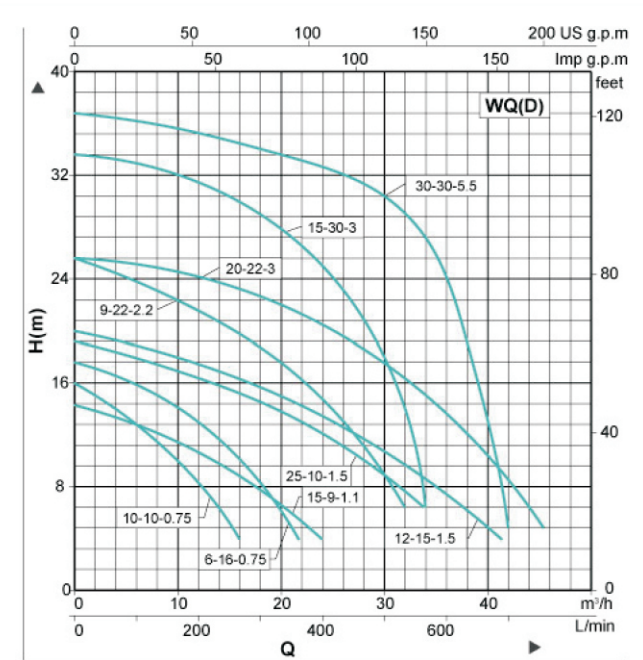
Motor

- ♦ 2-pole induction motor.
- ♦ Single-phase/Three-phase: 50Hz.
- ♦ Insulation: Class E.
- ♦ Protection: IP X8.
- ♦ Single-phase with capacitor and thermal overload protection.
- ♦ Three-phase from 0.75kW to 2.2kW with thermal overload protection.

Material

- ♦ Pump body: Cast iron.
- ♦ Motor bracket: Cast iron.
- ♦ Impeller: Cast iron.
- ♦ Motor shaft: Ss420 or Ss316&CS45#
- ♦ Mechanical seal: Ceramic-Graphite, Silicon Carbide-Carbide alloy.
- ♦ Cooper winding.

Hydraulic Performance Curve



Model Definition

WQD 6 - 16 - 0.75

- Rated power (kW).
- Rated head (m).
- Rated flow (m³/h).
- Model code (no D for three-phase).

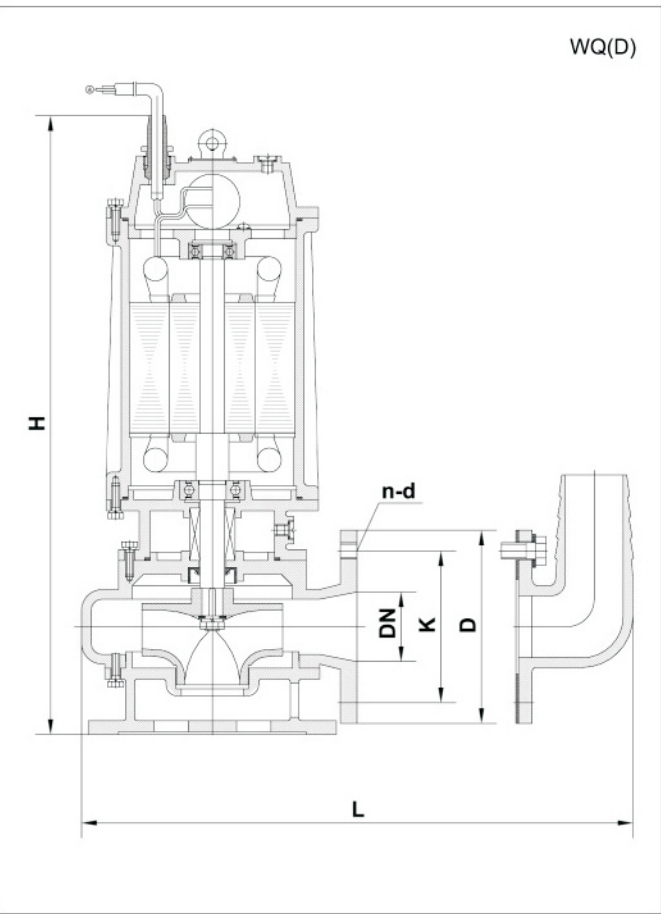


WQ(D)

SUBMERSIBLE SEWAGE PUMPS

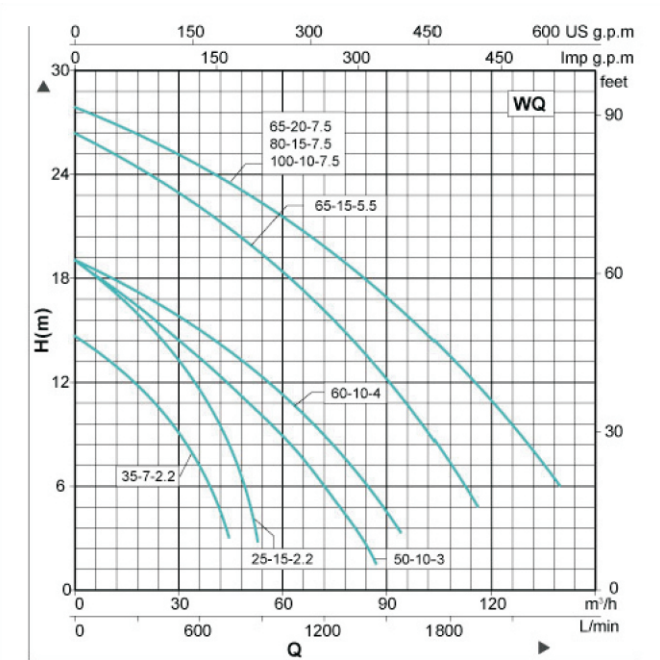
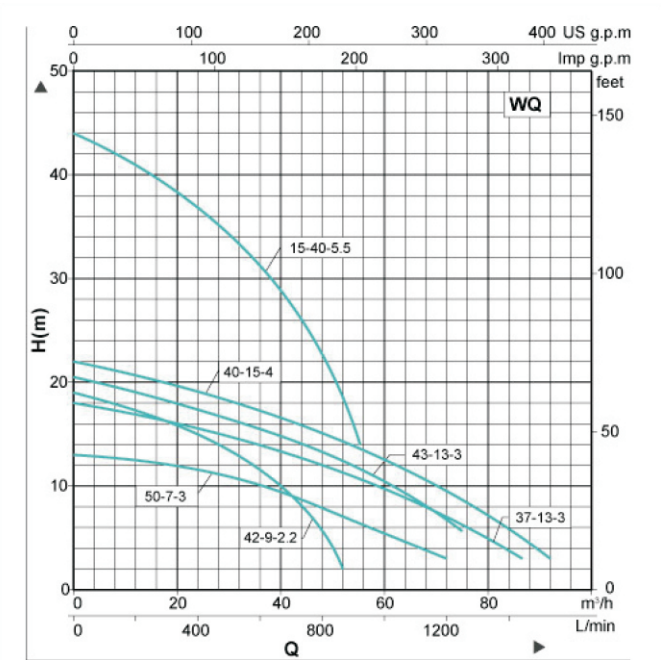
WQ(D)

Installation and Size



Model	Dim. (mm)					
	L	H	DN	D	K	n-d
WQD6-12-0.55	245	235	G1 1/2 pipe thread			
WQD6-16-0.75						
WQD10-10-0.75	315	445	50	140	110	4-M12
WQD15-9-1.1	320	470	50	140	110	4-M12
WQD7-15-1.1	255	445	G1 1/2 pipe thread			
WQ6-16-0.75	245	435				
WQ10-10-0.75	315	445	50	140	110	4-M12
WQ15-7-0.75	320	470	50	140	110	4-M12
WQ15-9-1.1	255	445	G1 1/2 pipe thread			
WQ7-15-1.1	350	570				
WQ18-15-1.5	335	535	65	160	130	4-M12
WQ25-7-1.5	330	560	50	140	110	4-M12
WQ9-22-2.2						
WQ15-20-2.2	385	570	65	160	130	4-M12
WQ25-15-2.2						
WQ35-7-2.2	385	595	50	140	110	4-M12
WQ42-9-2.2	365	555	50	140	110	4-M12
WQ15-30-3	360	560	65	160	130	4-M12
WQ20-22-3						
WQ25-20-3	420	610	80	190	150	4-M16
WQ43-13-3						
WQ50-10-3	370	665	50	140	110	4-M12
WQ40-15-3	455	705	100	210	170	4-M16
WQ60-10-3	410	670	50	140	110	4-M12
WQ15-40-5.5	390	710	65	160	130	4-M12
WQ65-15-5.5	455	755	100	210	170	4-M16
WQ65-20-7.5	498	733	100	210	170	4-M16
WQ80-15-7.5	498	733	100	210	170	4-M16
WQ100-10-7.5	562	733	100	210	170	4-M16

Hydraulic Performance Curve



WQ(D)

SUBMERSIBLE SEWAGE PUMPS

RPM: n=2850 r/min(50Hz)

Model		Power		Outlet (Inch)	Max.Flow (m³/h)	Max.Head (m)	The max. flow particle (mm)	Dim. (mm)	Weight (kg)		20' Loading Qty. (pcs)
Single-Phase	Three-Phase	kW	HP						G. W.	N. W.	
WQD6-12-0.55	-	0.55	0.75	2	16	14	20	470×250×250	20.5	19	950
WQD6-16-0.75	-	0.75	1	2	22	17.5	20	470×250×250	22.5	21	850
WQD10-10-0.75	-	0.75	1	2.5	16	16	20	520×210×275	29	26	910
WQD15-9-1.1	-	1.1	1.5	2	24	14.5	20	540×240×280	32	29	650
WQD7-15-1.1	-	1.1	1.5	2	22	18	20	540×240×280	31	28	620
-	WQ6-16-0.75	0.75	1	2	22	17.5	20	470×250×250	21.5	20	930
-	WQ10-10-0.75	0.75	1	2.5	16	16	20	520×210×275	29	26	910
-	WQ15-9-1.1	1.1	1.5	2	24	14.5	20	540×240×280	32	29	650
-	WQ7-15-1.1	1.1	1.5	2	22	18	20	540×240×280	31	28	650
-	WQ18-15-1.5	1.5	2	2.5	41	20	20	610×260×305	46	41	550
-	WQ25-7-1.5	1.5	2	3	37	14.5	25	610×260×305	39	35	550
-	WQ9-22-2.2	2.2	3	2	32	25.6	20	635×260×330	47	42	450
-	WQ15-20-2.2	2.2	3	2.5	34	24	20	635×260×330	49	44	440
-	WQ25-15-2.2	2.2	3	3	52	19	20	635×260×330	49	44	440
-	WQ42-9-2.2	2.2	3	2.5	52	19	25	655×270×325	51	46	440
-	WQ15-30-3	3	4	2.5	34	33.5	25	635×260×330	53	48	400
-	WQ25-20-3	3	4	3	46	25	25	635×260×330	54	49	380
-	WQ43-13-3	3	4	4	75	21	25	720×320×390	68	61	320
-	WQ50-10-3	3	4	4	88	19	25	720×320×390	68	61	320
-	WQ40-15-4	4	5.5	2.5	92	22	25	755×325×395	81	73	260
-	WQ65-20-7.5	7.5	10	4	140	27	30	395×395×1100	128	115	150
-	WQ80-15-7.5	7.5	10	4	140	27	30	395×395×1100	128	115	130
-	WQ100-10-7.5	7.5	10	6	140	27	30	395×395×1100	131	118	130

SUBMERSIBLE SEWAGE PUMPS

WQ(D)H1

Application

- ♦ Domestic/Commercial/Industrial use.
- ♦ Drainage of sewage from the building basements, hotel. Industry waste water from factories.
- ♦ Pumping surface and draining water from the garages and sprinkler systems.
- ♦ Being equipped with a single-channel impeller.

Operating Conditions

- ♦ Submersible depth: 5m.
- ♦ Liquid temperature up to +40°C.
- ♦ Ambient temperature up to +40°C.
- ♦ Max. working pressure: 10bar.

Motor

- ♦ 2-pole induction motor.
- ♦ Single-phase/Three-phase: 50Hz.
- ♦ Insulation: Class E.
- ♦ Protection: IP X8.
- ♦ Single-phase with capacitor and thermal overload protection.
- ♦ Three-phase from 0.75kW to 2.2kW with thermal overload protection.

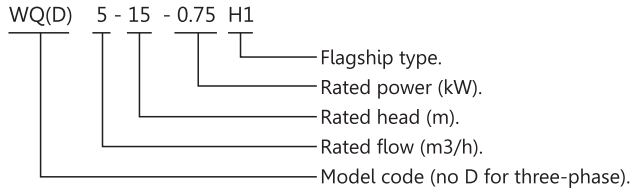
Material

- ♦ Pump body: Cast iron.
- ♦ Motor bracket: Cast iron.
- ♦ Impeller: Nodular Cast iron.
- ♦ Motor shaft: SS304 with Cs45#.
- ♦ Mechanical seal: Ceramic; Ceramic-Graphite, Gra[jote;Silicon Carbide Wolfram-Carbide.
- ♦ Cooper winding.

RPM: n=2850 r/min(50Hz)

Model		Power		Outlet Inch (Tube)	Max.Flow (m³/h)	Max.Head (m)	The max. flow particle (mm)	Dim. (mm)	Weight (kg)		20' Loading Qty. (pcs)
Single-Phase	Three-Phase	kW	HP						G. W.	N. W.	
WQD4-10-0.55H1	-	0.55	0.75	2	15	15	13	410×285×200	-	28	710
WQD5-15-0.75H1	-	0.75	1	2	15	19	13	430×285×200	-	29	690
WQD10-7-0.75H1	-	0.75	1	2(2.5)	16	14	20	440×280×200	-	30	670
WQD10-10-1.1H1	-	1.1	1.5	2(2.5)	23	15	20	455×280×200	-	31.5	640
WQD7-15-1.1H1	-	1.1	1.5	2(2.5)	22	22	17	455×280×200	-	32	625
WQD15-7-1.1H1	-	1.1	1.5	2(2.5)	23	15	20	455×280×200	-	31.5	640
-	WQ5-15-0.55H1	0.75	1	2	14	20	13	415×270×200	-	26.5	760
-	WQ10-7-0.75H1	0.75	1	2(2.5)	22	14	20	425×280×200	-	27.5	730
-	WQ10-10-1.1H1	1.1	1.5	2(2.5)	23	15	20	445×280×200	-	29.5	680
-	WQ7-15-1.1H1	1.1	1.5	2(2.5)	22	22	17	445×280×200	-	30	670
-	WQ15-7-1.1H1	1.1	1.5	2(2.5)	23	15	20	445×280×200	-	29.5	680
-	WQ25-7-1.5H1	1.5	2.2	2(2.5)	31	14	30	500×285×245	--	40.5	500
-	WQ15-10-1.5H1	1.5	2.2	2(2.5)	31	14	30	500×285×245	-	40	495
-	WQ10-15-1.5H1	1.5	2.2	2(2.5)	25	21	18	485×275×245	-	40.5	500
-	WQ9-22-2.2H1	2.2	3	2(2.5)	28	28	18	515×275×245	-	44.5	450
-	WQ15-15-2.2H1	2.2	3	2(2.5)	28	28	18	515×275×245	-	44.5	450
-	WQ25-10-2.2H1	2.2	3	2(2.5)	35	18	30	530×285×245	-	45	450
-	WQ35-7-2.2H1	2.2	3	3	61	14	36	535×290×250	-	45.5	440

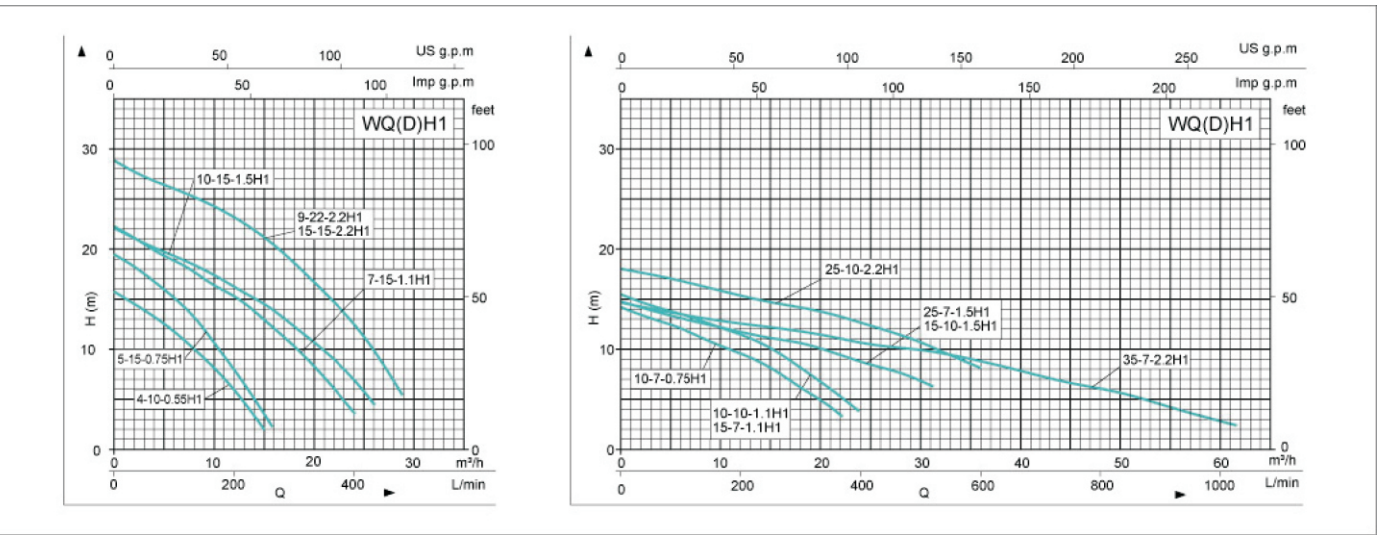
Model Defination



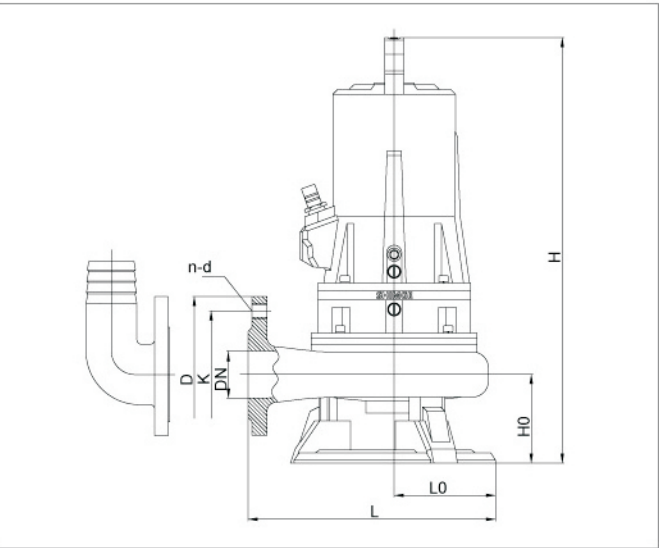
WQ(D)H1

SUBMERSIBLE SEWAGE PUMPS

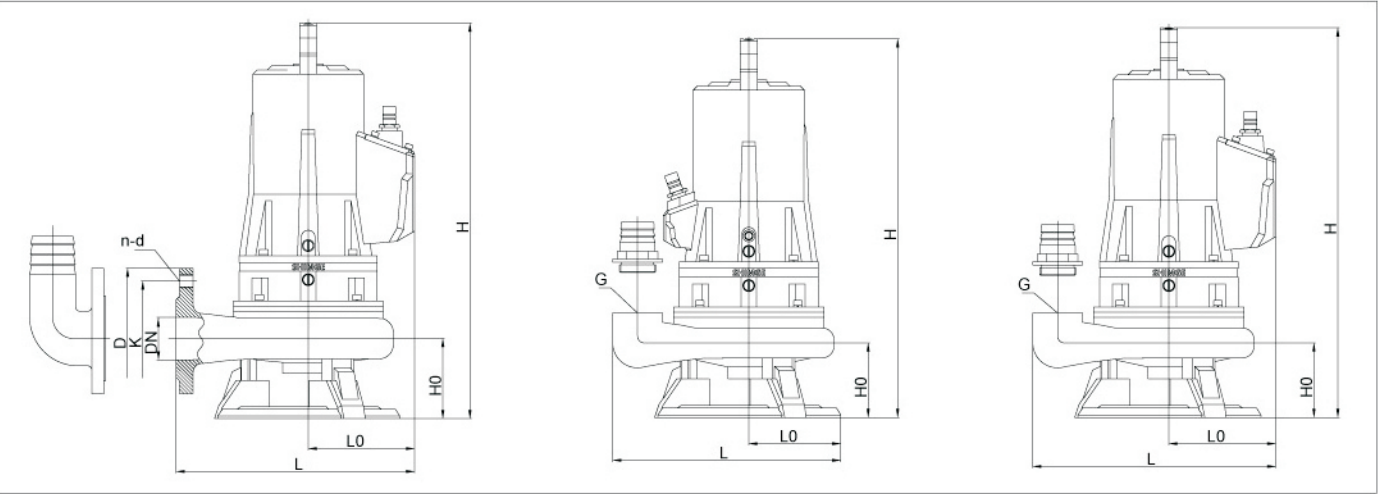
Hydraulic Performance Curve



Installation and Size



Model	Dim. (mm)							
	L	L0	H	H0	DN	D	K	n-d
WQD4-10-0.55H1	285	125	410	82	50	G1 1/2 Pipe thread		
WQD5-15-0.75H1	285	125	430	82	50			
WQD10-7-0.75H1	280	125	440	89	50			
WQD10-10-1.1H1	280	125	455	89	50			
WQD7-15-1.1H1	280	125	455	89	50			
WQD15-7-1.1H1	280	125	455	89	50	G1 1/2 Pipe thread		
WQ5-15-0.75H1	270	110	415	82	50			
WQ10-7-0.75H1	265	110	425	89	50			
WQ10-10-1.1H1	280	110	445	89	50			
WQ7-15-1.1H1	280	110	445	89	50			
WQ15-7-1.1H1	280	110	445	89	50			
WQ25-7-1.5H1	285	120	500	112	50	G1 1/2 Pipe thread		
WQ15-10-1.5H1	285	120	500	112	50			
WQ10-15-1.5H1	275	120	485	100	50			
WQ9-22-2.2H1	275	120	515	100	50			
WQ15-15-2.2H1	275	120	515	100	50			
WQ25-10-2.2H1	285	120	530	112	50			
WQ35-7-2.2H1	290	120	535	109	80			



MULTI-STAGE SUBMERSIBLE SEWAGE PUMPS

WQ

Application

- Commercial/Industrial use.
- Drainage of sewage from the building basements, hotel. Industry waste water from factories.
- Pumping surface and draining water from the garages and sprinkler systems.
- Being equipped with a single-channel impeller.
- Big flow, high head.

Operating Conditions

- Submersible depth: 5m.
- Liquid temperature up to +40°C.
- Ambient temperature up to +40°C.
- Max. working pressure: 21bar.
- Passage of suspended solid up to 12.5mm.

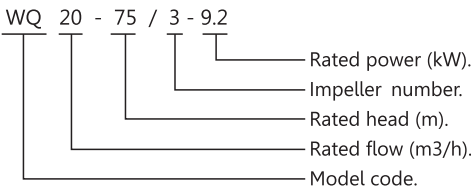
Motor

- 2-pole induction motor.
- Three-phase: 50Hz.
- Insulation: Class E.
- Protection: IP X8.

Material

- Pump body: Cast iron.
- Motor bracket: Cast iron.
- Impeller: Cast iron.
- Motor shaft: 40Cr.
- Mechanical seal: Silicon Carbide-Graphite; Alloy-Silicon Carbide.
- Cooper winding.

Model Defination

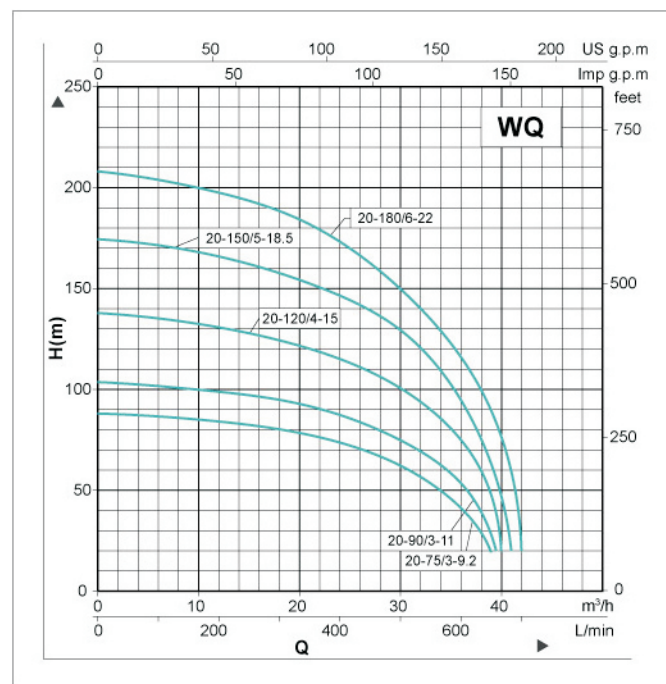


WQ

RPM: n=2850 r/min(50Hz)

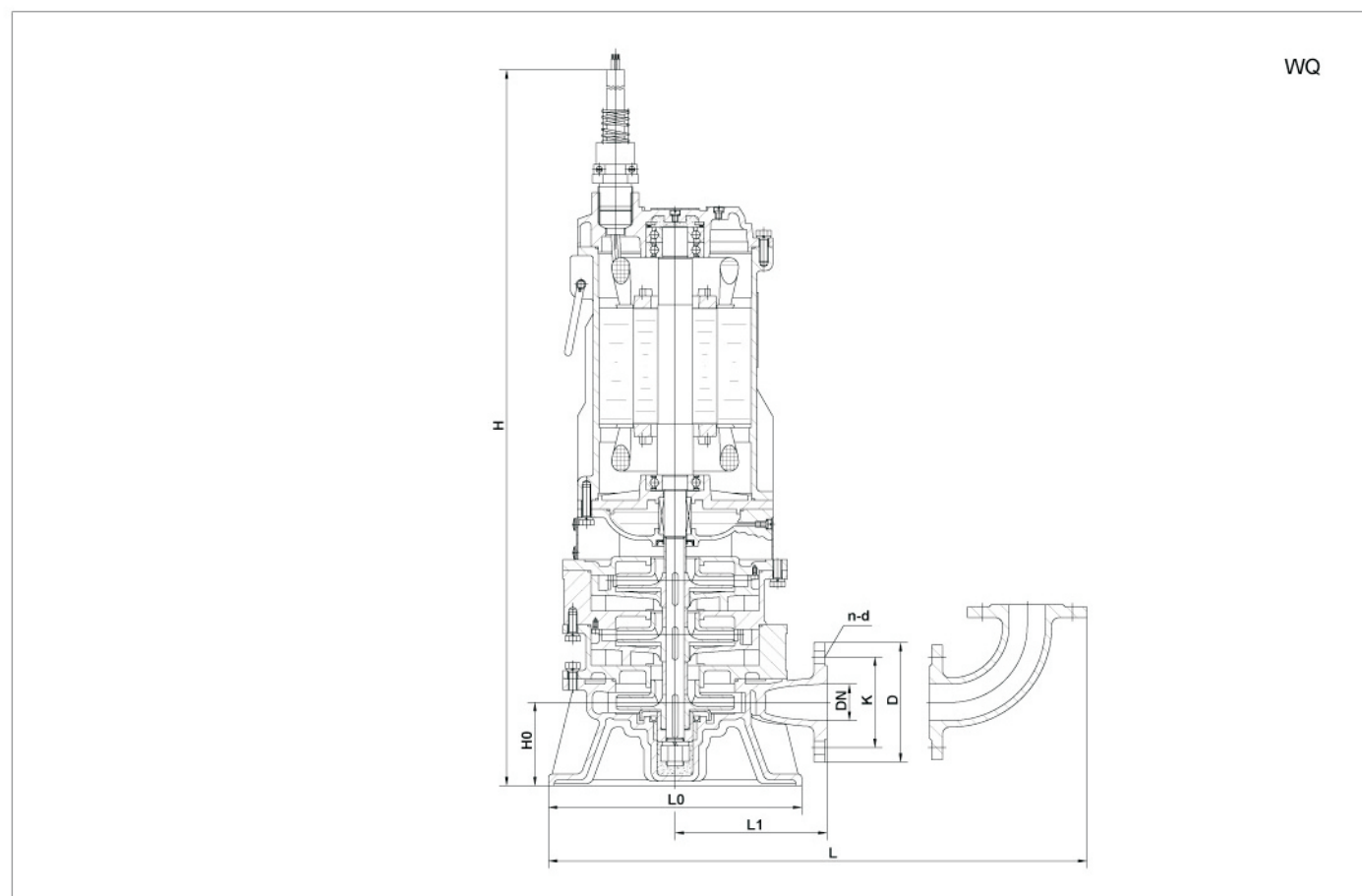
Model	Power		Outlet (Inch)	Max.Flow (m³/h)	Max.Head (m)	The max. flow particle (mm)	Dim. (mm)	Weight (kg)		20' Loading Qty. (pcs)
	kW	HP						G. W.	N. W.	
WQ20-75/3-9.2	92	12.5	2	39	87	10	1110×436×498	185	175	200
WQ20-90/3-11	11	15	2	40	105	10	1110×436×498	200	190	200
WQ20-120/4-15	15	20	2	40	138	10	1250×436×498	231	220	180
WQ20-150/5-18.5	18.5	25	2	41	175	10	1370×436×498	262	250	163
WQ20-180/6-22	22	30	2	42	210	10	1500×436×498	293	280	148

Hydraulic Performance Curve



Model	Dim. (mm)								
	L	L0	L1	H	H0	DN	D	K	n-d
WQ20-75/3-9.2				995					
WQ20-90/3-11				995					
WQ20-120/4-15	605	350	210	1125	115	50	125	165	8-Ø17.5
WQ20-150/5-18.5				1250					
WQ20-180/6-22				1375					

Installation and Size



WQ

Application

- Commercial/Industrial use.
- Drainage of sewage from the building basements, hotel. Industry waste water from factories.
- Pumping surface and draining water from the garages and sprinkler systems.
- Being equipped with a single-channel impeller.
- Big flow and medium-low head.

Operating Conditions

- Submersible depth: 5m.
- Liquid temperature up to +40°C.
- Ambient temperature up to +40°C.
- Max. working pressure: 6bar.
- Passage of suspended solid up to 55mm.

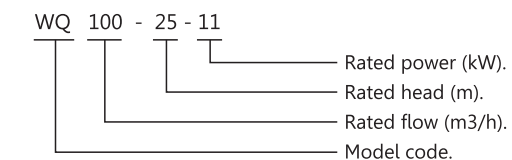
Motor

- 4-pole induction motor.
- Three-phase: 50Hz.
- Insulation: Class E.
- Protection: IP X8.

Material

- Pump body: Cast iron.
- Motor bracket: Cast iron.
- Impeller: Cast iron.
- Motor shaft: SS420.
- Mechanical seal: Ceramic-Graphite, Silicon Carbide-Graphite alloy.
- Cooper winding.

Model Definition

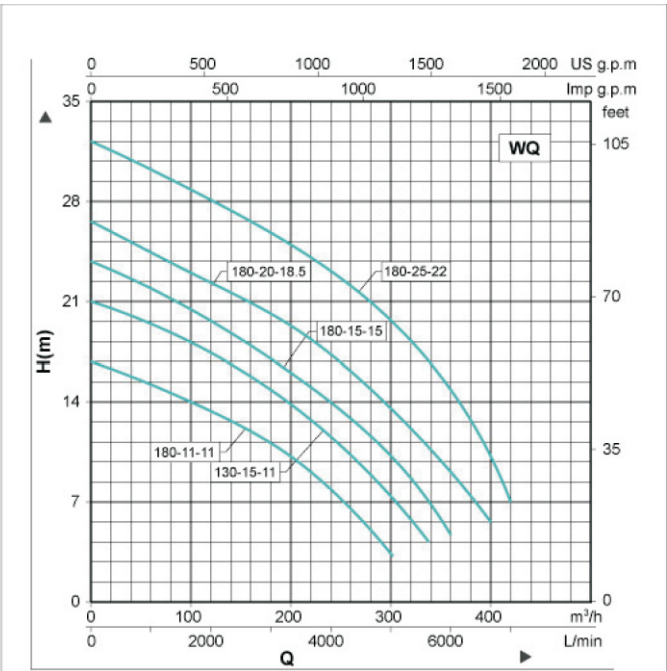
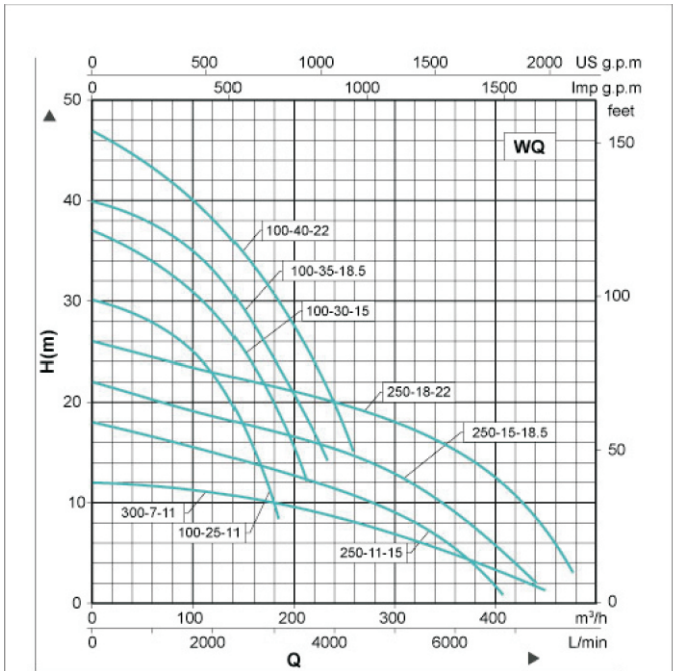


WQ

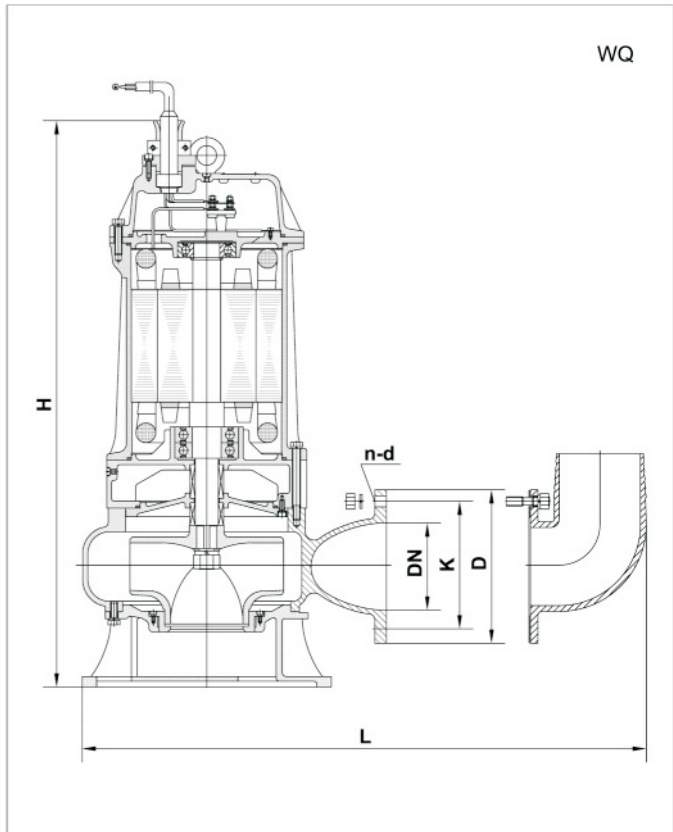
RPM: n=2850 r/min(50Hz)

Model	Power		Outlet (Inch)	Max.Flow (m³/h)	Max.Head (m)	The max. flow particle (mm)	Dim. (mm)	Weight (kg)		20' Loading Qty. (pcs)
	Three-Phase	kW HP						G. W.	N. W.	
WQ100-25-11		11 15	4	185	30	35	600×560×1230	253	238	80
WQ130-15-11		11 15	6	335	23	45	590×500×1290	256	241	80
WQ180-11-11		11 15	6	300	20	50	590×500×1290	253	238	80
WQ300- 7-11		11 15	8	440	13.5	55	660×570×1380	381	266	55
WQ100-30-15		15 20	4	220	40	35	600×560×1230	270	255	75
WQ180-15-15		15 20	6	350	25	50	590×500×1290	268	253	75
WQ250-11-15		15 20	8	405	19	50	660×570×1380	298	283	70
WQ100-35-18.5		18.5 25	4	240	42	35	690×600×1300	338	323	60
WQ180-20-18.5		18.5 25	6	410	30	45	640×570×1350	356	341	55
WQ250-15-18.5		18.5 25	8	440	23.5	50	660×610×1450	372	357	55
WQ100-40-22		22 30	4	250	46	35	690×600×1300	351	336	60
WQ180-25-22		22 30	6	425	35	45	640×570×1350	366	351	55
WQ250-18-22		22 30	8	460	31	50	660×610×1450	377	362	55

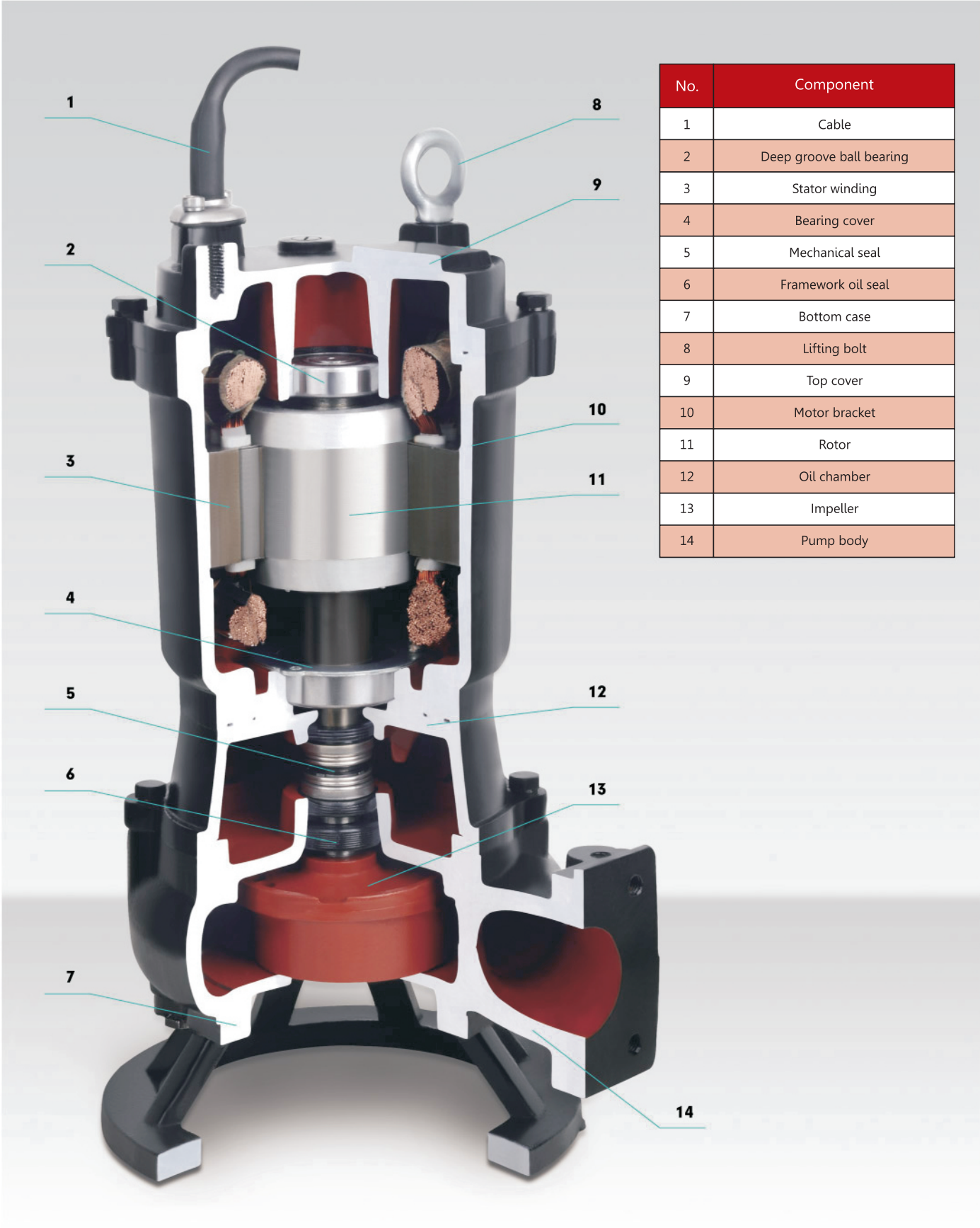
Hydraulic Performance Curve



Installation and Size



Model	Dim. (mm)					
	L	H	DN	D	K	n-d
WQ100-25-11	710	995	100	210	170	4-Ø19
WQ130-15-11	730	995	150	265	225	8-Ø19
WQ180-11-11						
WQ300- 7-11	855	1015	200	320	280	8-Ø19
WQ100-30-15	710	995	100	210	170	4-Ø19
WQ180-15-15	730	995	150	265	225	8-Ø19
WQ250-11-15	855	1010	200	320	280	8-Ø19
WQ100-35-18.5	775	1055	100	210	170	4-Ø19
WQ180-20-18.5	780	1070	150	265	225	8-Ø19
WQ250-15-18.5	850	1065	200	320	280	8-Ø19
WQ100-40-22	775	1055	100	210	170	4-Ø19
WQ180-25-22	780	1070	150	265	225	8-Ø19
WQ250-18-22	850	1065	200	320	280	8-Ø19



Application

- Domestic/Commercial/Industrial use.
- Drainage of sewage from the building basements, hotel. Industry waste water from factories.
- Pumping surface and draining water from the garages and sprinkler systems.
- Being equipped with a double or single-channel impeller.

Operating Conditions

- Submersible depth: 5m.
- Liquid temperature up to +40°C.
- Ambient temperature up to +40°C.
- Max. working pressure: 6bar.
- Passage of suspended solid up to 35mm.

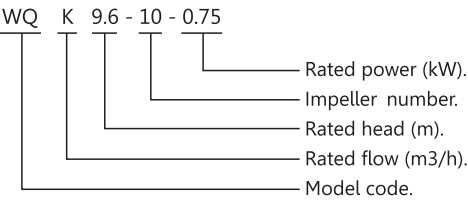
Motor

- 2-pole induction motor.
- Three-phase: 50Hz.
- Insulation: Class E.
- Protection: IP X8.

Material

- Pump body: Cast iron.
- Motor bracket: Cast iron.
- Impeller: Cast iron.
- Motor shaft: SS420.
- Mechanical seal: Ceramic-Graphite, Silicon Carbide-Carbide alloy.
- Cooper winding.

Model Definition

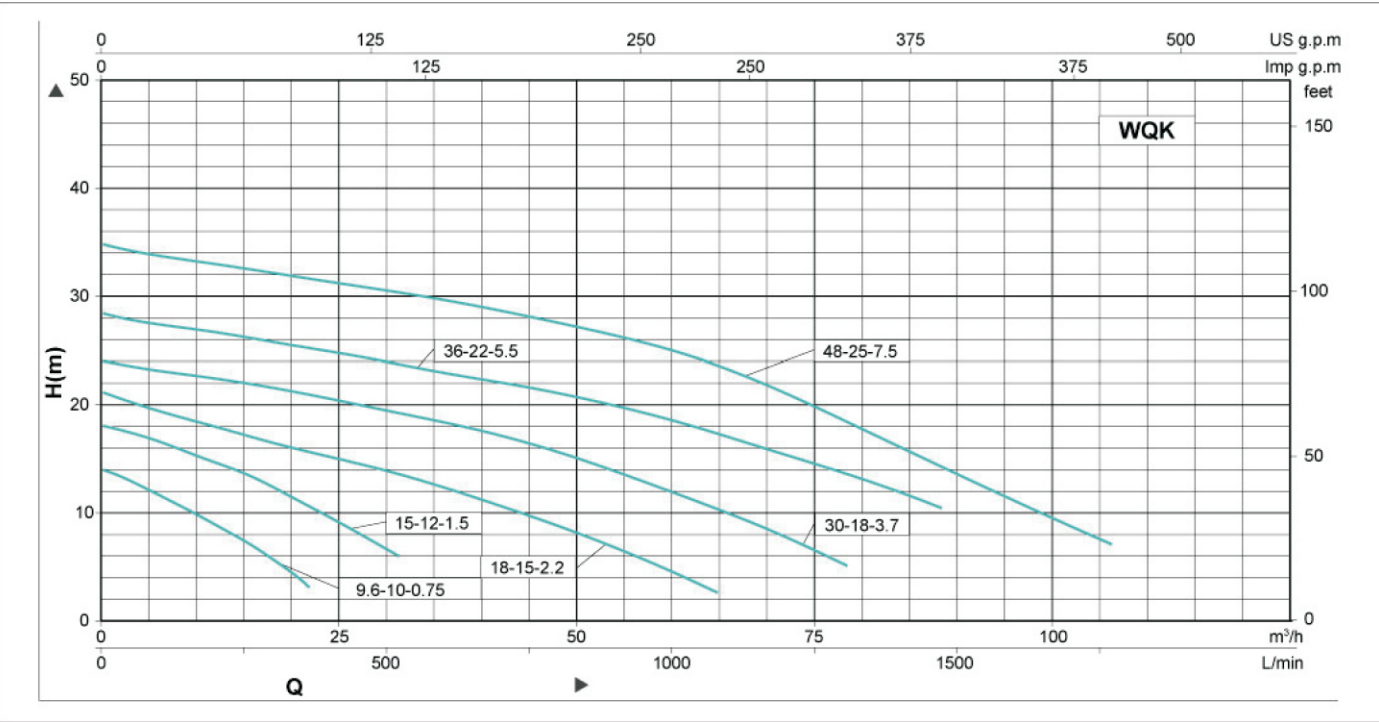


RPM: n=2850 r/min(50Hz)

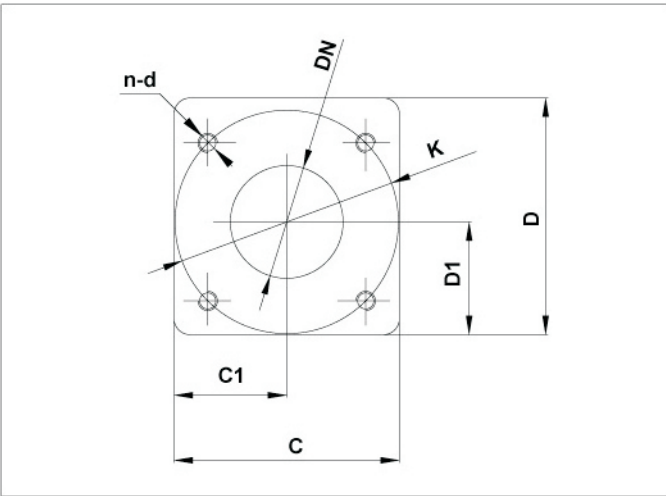
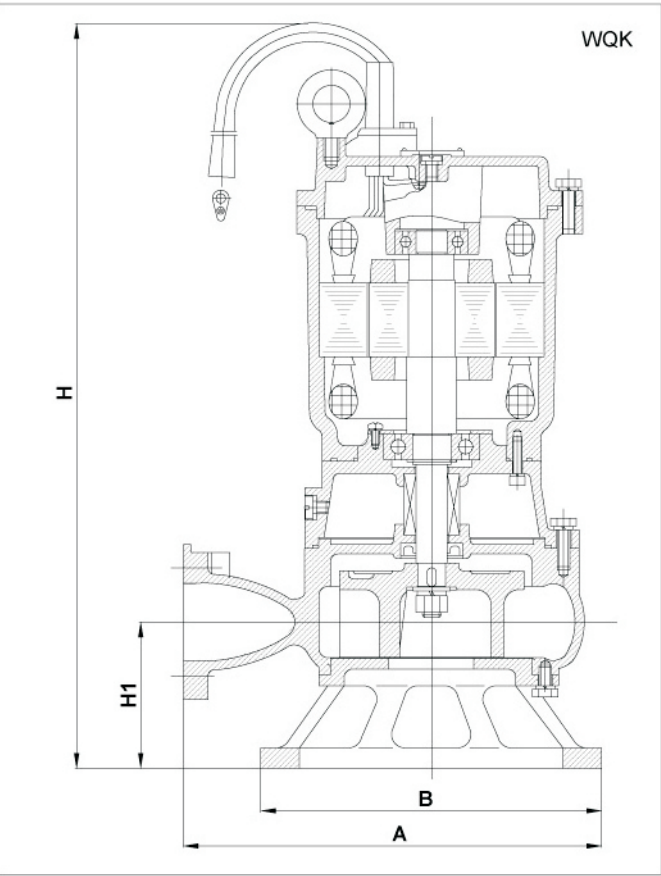
Model	Power		Outlet (Inch)	Max.Flow (m³/h)	Max.Head (m)	The max. flow particle (mm)	Dim. (mm)	Weight (kg)		20' Loading Qty. (pcs)
	kW	HP						G. W.	N. W.	
WQK9.6-10-0.75	0.75	1	2	22	14	20	525×250×280	31	27	680
WQK15-12-1.5	1.5	2	2	31	18	20	585×245×300	40	36	570
WQK18-15-2.2	2.2	3	3	65	21	20	585×260×330	45	40	500
WQK30-18-3.7	3.7	5	3	78	24	30	370×325×680	71	65	250
WQK36-22-5.5	5.5	7.5	4	90	28.5	30	400×340×770	85	78	210
WQK48-25-7.5	7.5	10	4	108	35	30	400×340×770	91	84	190



Hydraulic Performance Curve



Installation and Size



Model	Dim. (mm)										
	H	H1	A	B	DN	K	C	C1	D	D1	n-d
WQK9.6-10-0.75	460	96	250	220	50	99	100	50	100	50	4-M10
WQK15-12-1.5	520	99	270	200	50	99	100	50	100	50	4-M10
WQK18-15-2.2	525	101	292	237	80	155.6	140	70	150	70	4-M12
WQK30-18-3.7	560	100	326	270	80	155.6	140	70	150	70	4-M12
WQK36-22-5.5	600	103	346	290	100	155.6	140	70	150	70	4-M12
WQK48-25-7.5	660	103	346	290	100	155.6	140	70	150	70	4-M12

Memo

Memo