



QDX-A Submersible Pump



Model Definition



Feature

- New-designed motor structure, longer service life.
- Portable and durable aluminum alloy structure.
- Alloy impeller of high performance engineering plastics or aluminum.

Application

With small size and light weight, the Q(D)X series pump is especially suitable for the rural wells water pumping, farmland irrigation and drainage, garden watering water spraying and family households, as well as other applications such as industrial, construction, aquaculture fish ponds, etc.

Operating Condition

- Maximum liquid temperature +40°C
- pH level from 6.5-8.5
- Maximum sand content is 0.1%. Passage of suspended solids up to 0.2mm
- Power frequency is 50Hz.
- Nominal voltage is 220VAC for single phase and 380VAC for three phase with the range from -10% to 10%
- Immersion depth from 0.5m-5m

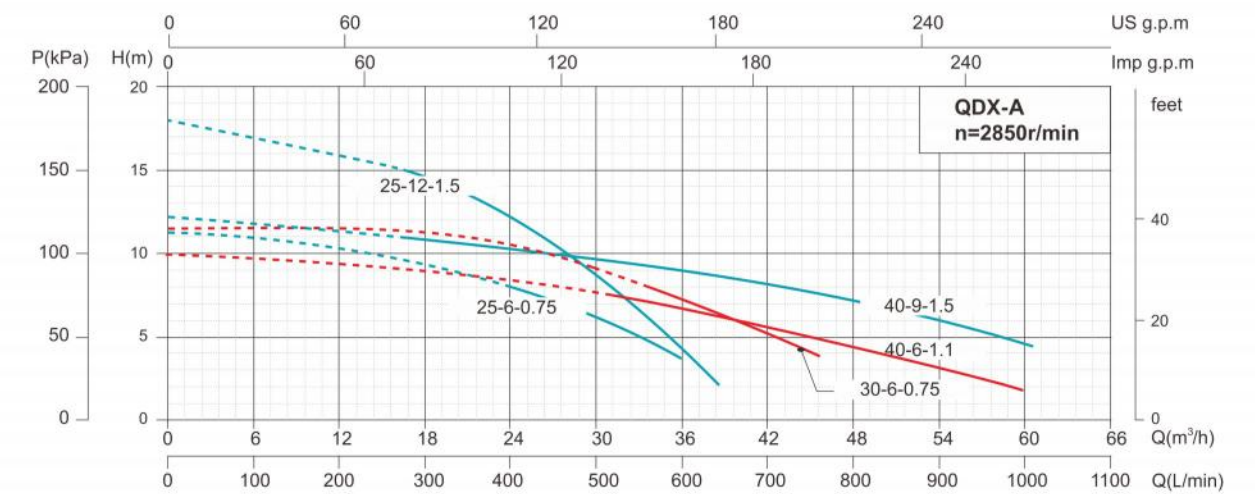
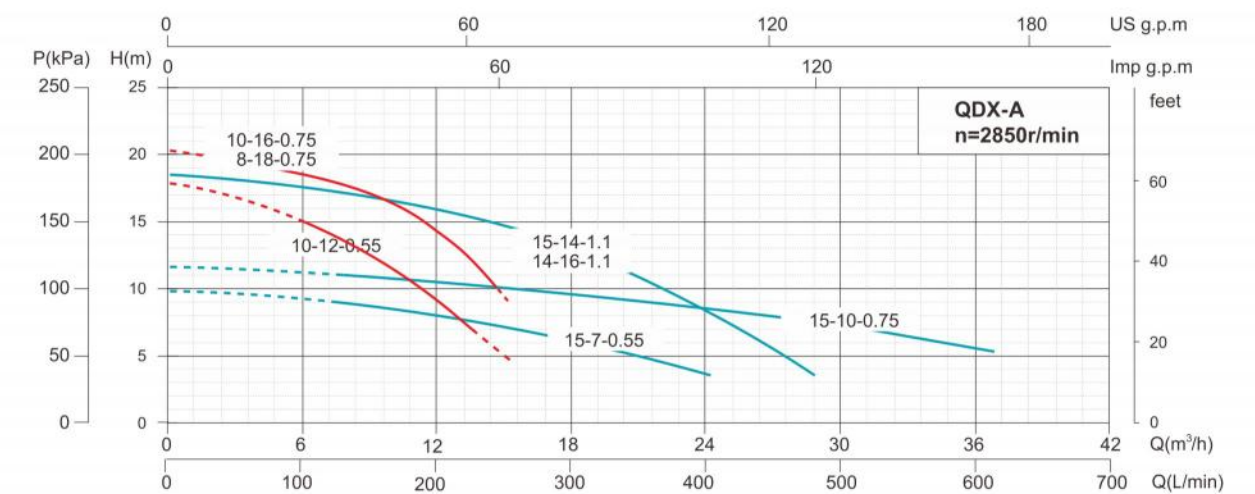
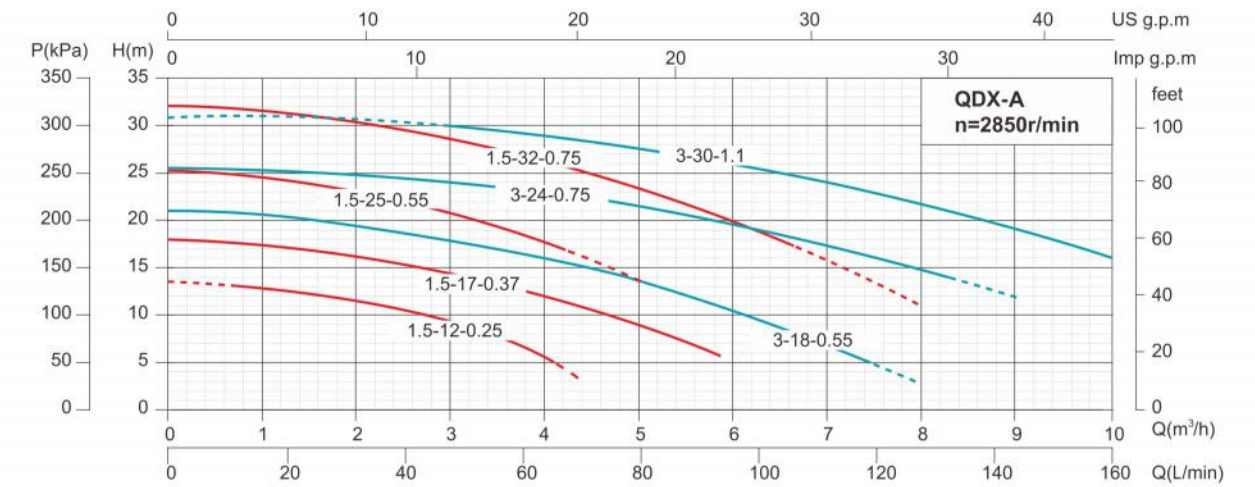
Options On Request

- The stainless steel bottom cover
- Single-phase could with float switch
- Other voltage or frequency is 60Hz

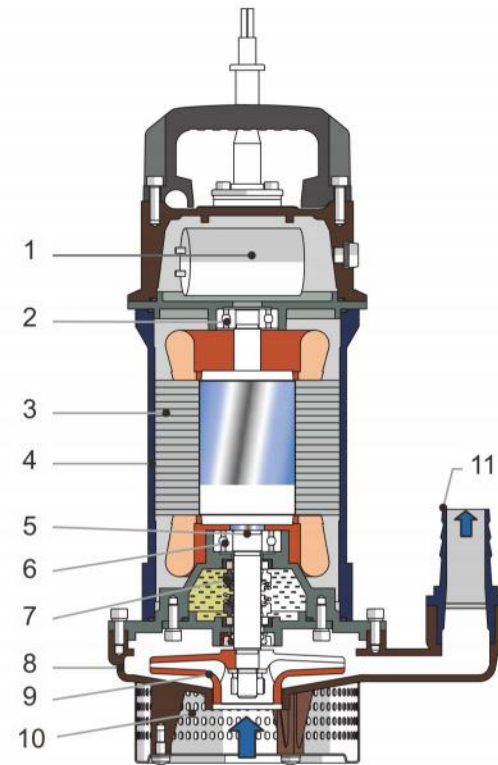
Performance Range

Max.flow: 61m³/h
Max.head: 33m

Performance Curves

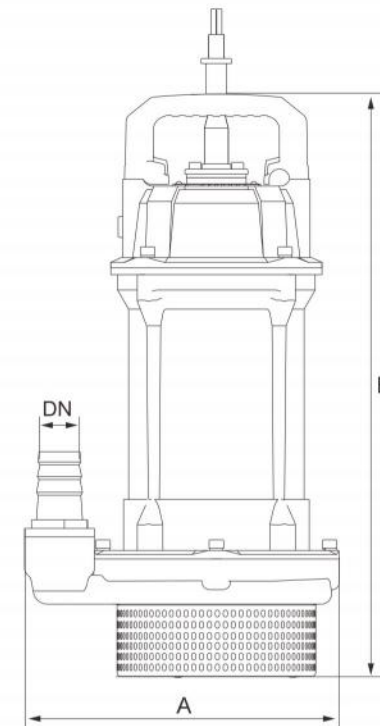


Components & Materials



	Power(kW)	0.25 (220V/50Hz)	0.37 (220V/50Hz)	0.55 (220V/50Hz)	0.75 (220V/50Hz)	1.1 (220V/50Hz)	0.75 (380V/50Hz)	1.1 (380V/50Hz)	1.5 (380V/50Hz)
1	Capacitor	10 uF/450V AC	12 uF/450V AC	18 uF/450V AC	25 uF/450V AC	30 uF/450V AC	/	/	/
2	Upper bearing	6201-2RZ	6201-2RZ	6202-2RZ	6202-2RZ	6202-2RZ	6202-2RZ	6202-2RZ	6202-2RZ
3	Motor	Dry submersible motor							
4	Motor case	Aluminum YL102							
5	Motor shaft	Steel 45#							
6	Lower bearing	6201-2RZ	6202-2RZ	6302-2RZ	6302-2RZ	6204-2RZ	6302-2RZ	6204-2RZ	6204-2RZ
7	Mechanical seal	208-12/30 B:A/B:A(PTC)	208-14/35 B:A/B:A(PTC)	208-14/35 B:A/B:A(PTC) 208-14/35(2) B:A/B:S(PTC)	208-14/35 B:A/B:A(PTC) 208-14/35(2) B:A/B:S(PTC)	208-18/38 B:A/B:A(PTC)	208-14/35 B:A/B:A(PTC)	208-18/38 B:A/B:A(PTC)	208-18/38 B:A/B:A(PTC)
		A:Graphite, B: Ceramic, P:NBR							
8	Pump body	Aluminum ZL102 / HT200							
9	Impeller	1.5-25/1.5-32/30-6/25-12 is PPO-G20, The others are Aluminum ZL102.							
10	Fitter screen	Galvanized Steel Q235A / 430							
11	Outlet	Cast iron HT200							

Dimensions & Weight



Model		Dim.(mm)			N.W. (kg)
Single-phase	Three-phase	A	B	DN	
QDX1.5-12-0.25A	-	175	310	1"	4.5
QDX1.5-17-0.37A	-	190	340	1"	6.5
QDX1.5-25-0.55A	-	220	360	1"	9
QDX3-18-0.55A	-	205	360	1.25"	9
QDX10-12-0.55A	-	215	365	1.5"	9
QDX15-7-0.55A	-	215	380	2"	9
QDX1.5-32-0.75A	-	240	380	1"	11
QDX3-24-0.75A	-	220	380	1.25"	11
QDX8-18-0.75A	-	230	380	1.5"	10.5
QDX10-16-0.75A	-	230	380	2"	10.5
QDX15-10-0.75A	-	240	395	2.5"	11
QDX25-6-0.75A	-	240	390	3"	11
QDX30-6-0.75A	-	260	420	3"	12.5
QDX3-30-1.1A	-	235	430	1"	14
QDX14-16-1.1A	-	245	445	2"	15.5
QDX15-14-1.1A	-	245	445	2.5"	15.5
QDX40-6-1.1A	-	265	475	3"	17
-	QX8-18-0.75A	230	380	1.5"	10
-	QX10-16-0.75A	230	380	2"	10
-	QX30-6-0.75A	260	420	3"	12
-	QX3-30-1.1A	235	430	1"	11
-	QX14-16-1.1A	245	445	2"	14
-	QX15-14-1.1A	245	445	2.5"	14
-	QX40-6-1.1A	265	475	3"	16
-	QX25-12-1.5A	245	475	2.5"	16
-	QX40-9-1.5A	265	500	3"	18

Performance Details & Dimensions & Weight

Model		Power		Rate current (A)	Max. flow (m³/h)	Max. head (m)	Head range (m)	Cable line (mm²-m)	Dim.mm (L×W×H)	G.W. (kg)	20' loading Qty. (pcs)
Single-phase	Three-phase	kW	HP								
QDX1.5-12-0.25A	-	0.25	0.33	2.1	4.5	14	5~13	3*0.75-8	360×160×200	5.3	2647
QDX1.5-17-0.37A	-	0.37	0.5	2.9	6	18	4~18	3*0.75-8	380×160×200	7.2	2499
QDX1.5-25-0.55A	-	0.55	0.75	4.1	6.5	26	17~26	3*0.75-8	395×195×220	9.5	1776
QDX3-18-0.55A	-	0.55	0.75		8	20	5~20	3*0.75-8	410×195×220	9.5	1715
QDX10-12-0.55A	-	0.55	0.75		15	18	7~15	3*0.75-8	410×210×220	9.9	1598
QDX15-7-0.55A	-	0.55	0.75		24	9	2~9	3*0.75-8	410×210×220	9.5	1598
QDX1.5-32-0.75A	-	0.75	1		8	33	17~32	3*0.75-8	415×210×225	11.5	1606
QDX3-24-0.75A	-	0.75	1	5.2	9	25	14~25	3*0.75-8	410×195×220	11.5	1715
QDX8-18-0.75A	-	0.75	1		15	20	15~19	3*0.75-8	420×195×230	11	1614
QDX10-16-0.75A	-	0.75	1		15	20	10~19	3*0.75-8	420×195×230	11	1614
QDX15-10-0.75A	-	0.75	1		36	12	3~11	3*0.75-8	420×220×240	11.5	1363
QDX25-6-0.75A	-	0.75	1		35	11	0~8	3*0.75-8	420×220×260	11.5	1262
QDX30-6-0.75A	-	0.75	1		45	11	0~8	3*0.75-8	450×280×225	13.5	1103
QDX3-30-1.1A	-	1.1	1.5		7.3	10	31	0~30	3*1.5-8	455×280×215	14
QDX14-16-1.1A	-	1.1	1.5	29		18	14~18	3*1.5-8	470×280×215	16.5	1069
QDX15-14-1.1A	-	1.1	1.5	29		18	0~17	3*1.5-8	470×280×215	17.5	1069
QDX40-6-1.1A	-	1.1	1.5	60		10	0~7.5	3*1.5-8	505×280×215	19	990
-	QX8-18-0.75A	0.75	1	2	15	20	15~19	4*0.75-8	420×195×230	10.5	1262
-	QX10-16-0.75A	0.75	1		15	20	10~19	4*0.75-8	420×195×230	10.5	1103
-	QX30-6-0.75A	0.75	1		45	11	0~8	4*0.75-8	455×280×215	13	1069
-	QX3-30-1.1A	1.1	1.5	2.7	10	31	0~30	4*0.75-8	455×280×215	12	1103
-	QX14-16-1.1A	1.1	1.5		29	18	14~18	4*0.75-8	470×280×215	15	1069
-	QX15-14-1.1A	1.1	1.5		29	18	0~17	4*0.75-8	470×280×215	15	1069
-	QX40-6-1.1A	1.1	1.5		60	10	0~7.5	4*0.75-8	505×280×215	17	990
-	QX25-12-1.5A	1.5	2		3.6	37	18	0~15	4*0.75-8	505×280×215	17
-	QX40-9-1.5A	1.5	2	61		12	0~11	4*0.75-8	530×280×215	19	990

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

