QDX
Submersible Pump



Application

- Small electrical irrigation and drainage equipments
- Particularly applied in urban well water pumping, field irrigation and drainage, garden irrigation and household water supply, as well as drainage of industrial accumulated water, water supply and drainage for construction, livestock breeding, etc.

Pump

- Cast iron pump body under special anti-rust treatment
- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid ph value: 6.5 - 8

Motor

- Copper winding
- Built-in thermal protector
- Stainless steel welded shaft
- Insulation class: F
- Enclosures class: IP68

Identification Codes

Q(D)X 3-18-0.55 (A)

- (A) — Automatic Operation with Float Switch
- 0.55 — Power (kW)
- 18 — Rated Head (m)
- 3 — Rated Flow (m^3/h)
- Q(D)X — Submersible Pump (Three-phase without A and D)

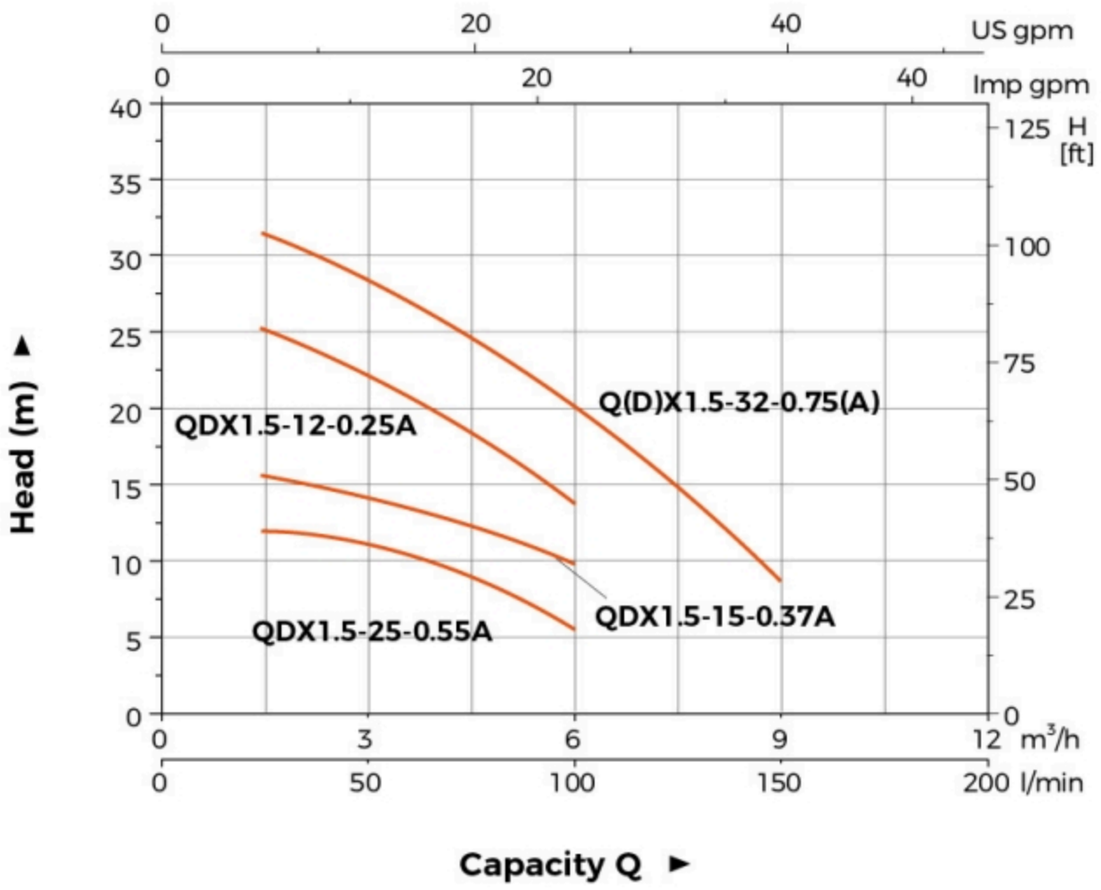
Technical Data

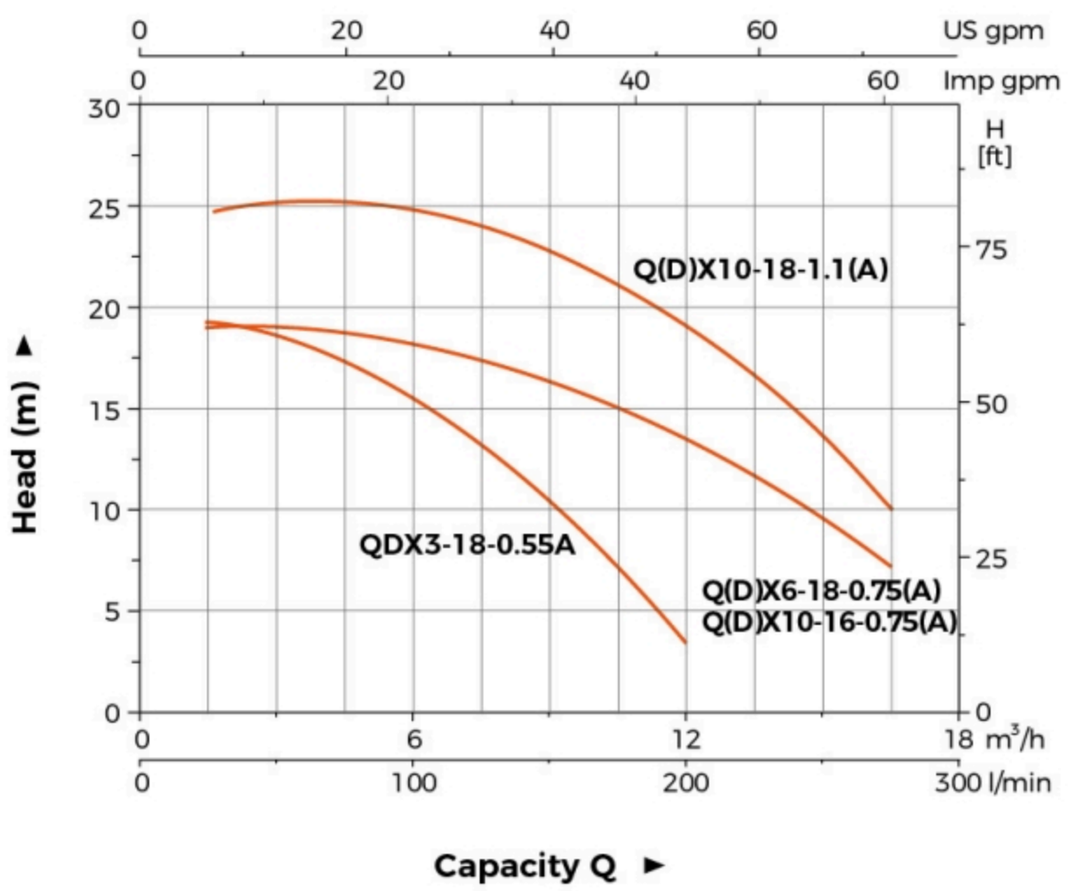
Model	Q(m^3/h)	0	1.5	3	4.5	6	7.5	9	10.5	12	13.5	15	16.5	18	19.5	21	22.5	24	25.5	27	28.5	30	31.5	33	34.5	36	37.5	39	40.5	42	43.5	45
	Q(l/min)	0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600	625	650	675	700	725	750
*QDX1.5-12-0.25A	H (m)	13	12	11	9	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*QDX1.5-15-0.37A		16	15.6	14.2	12.3	9.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*QDX1.5-25-0.55A		26.5	25	22.5	18	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*QDX3-18-0.55A		19.2	19.1	18.5	17.5	15.5	13.2	10	7	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*QDX10-10-0.55A		13.2	13.2	13.2	13	12.7	12	11	10	9.2	7.5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*QDX15-7-0.55(A)		8.6	8.5	8.5	8.4	8.3	8.3	8.3	8.2	7.8	7.4	7	6.3	5.8	4.9	4.1	3.2	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q(D)X1.5-32-0.75(A)		32.5	31.5	28.5	24.5	20	15.5	8.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q(D)X6-18-0.75(A)		19.5	19.2	19	18.6	18	17	16.3	15.6	13.7	11.8	9	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q(D)X10-16-0.75(A)		19.5	19.2	19	18.6	18	17	16.3	15.6	13.7	11.8	9	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q(D)X15-10-0.75(A)		12.1	12.1	12	11.9	11.8	11.7	11.6	11.4	11.2	10.9	10.6	10	9.5	8.9	8.2	7.7	7.2	5.7	4.9	4.2	3.4	-	-	-	-	-	-	-	-	-	-	-
QDX18-10-0.75		13.6	13.5	13.4	13.3	13.1	12.9	12.6	12.3	11.9	11.5	11	10.5	10	9.5	8.8	8.1	7.4	6.6	5.8	4.9	4.1	-	-	-	-	-	-	-	-	-	-	-
Q(D)X25-6-0.75(A)		10.6	10.6	10.5	10.4	10.4	10.3	10.1	9.9	9.7	9.5	9.3	9	8.6	8.2	7.2	6.7	6.1	5.5	4.3	3.2	-	-	-	-	-	-	-	-	-	-	-	-
Q(D)X10-18-1.1(A)		25	25	25	24.6	24	22.8	22.2	18.5	16	13.2	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Q(D)X15-14-1.1(A)		16.6	16.6	16.5	16.4	16.3	16.2	16.1	15.7	15.4	14.8	14.2	13.5	12.8	12.1	11.5	10.9	9.9	8.9	7.8	6.8	5.5	4.3	-	-	-	-	-	-	-	-	-	-
Q(D)X40-6-1.1(A)		9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.4	9.3	9.2	9	8.9	8.7	8.3	8	7.7	7.3	6.9	6.5	6	5.5	5	4.5	4	3.5	3
QDX6-33-1.5		37.4	36.4	35.4	34.4	33	29.4	23.6	14.9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QDX15-20-1.5		23.5	23.4	23.2	23.1	22.8	22.5	22.2	21.8	21.2	20.6	20	19.3	18.5	17.8	16.7	15.6	14.5	13.2	11.6	10.1	8.5	6.5	4.5	2.5	-	-	-	-	-	-	-	-

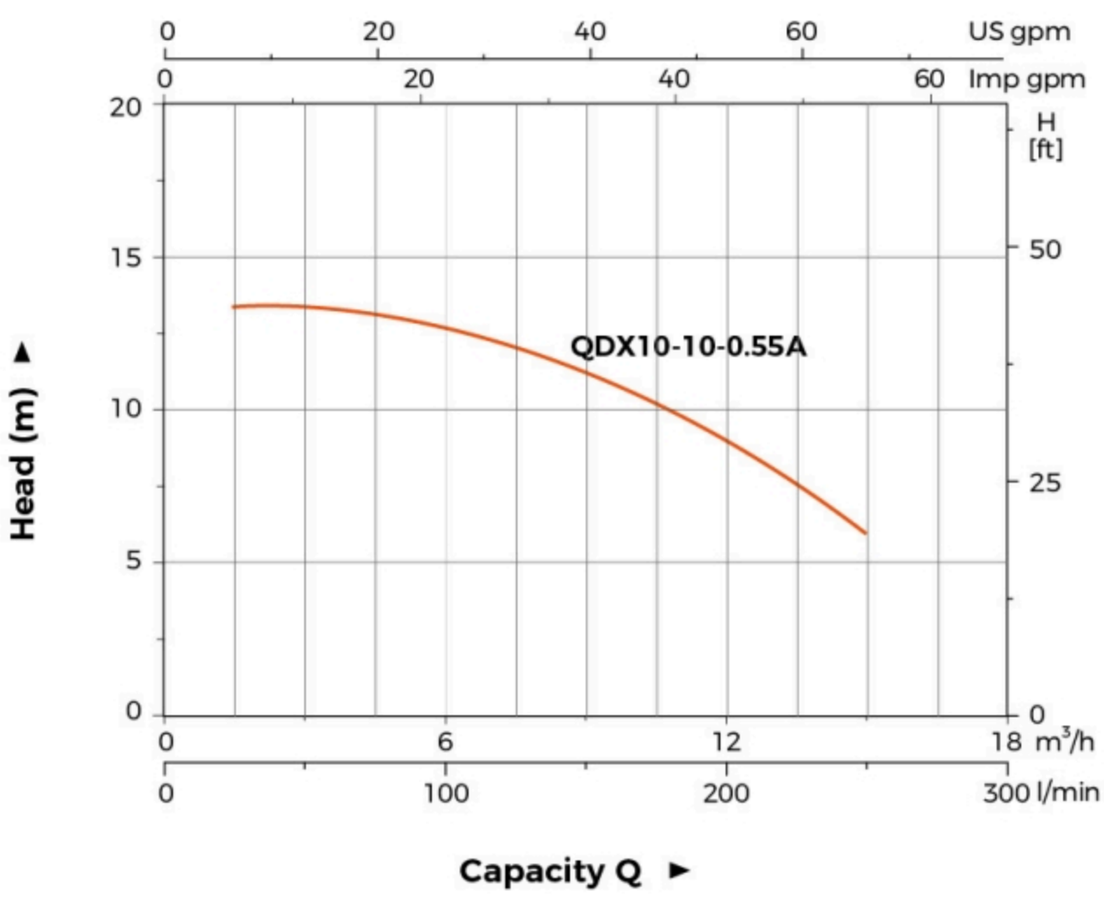
*single phase only

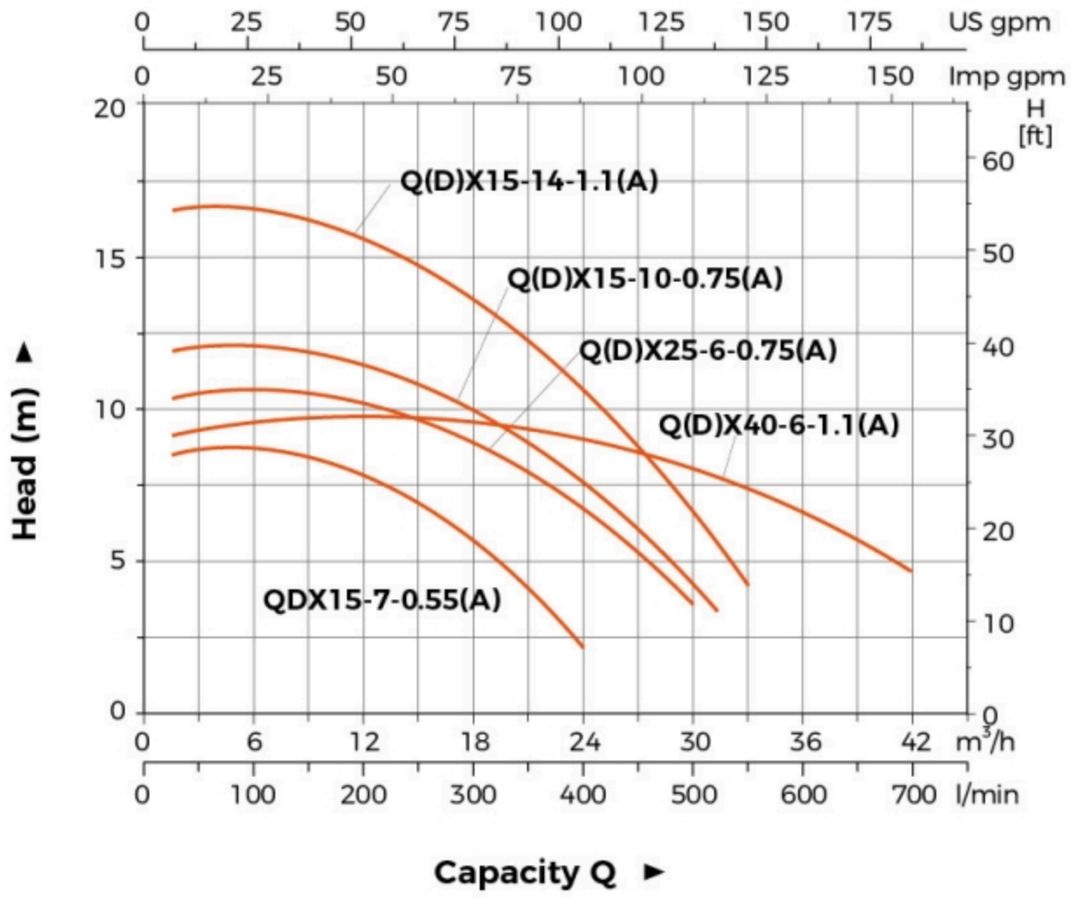
Model	Q(m^3/h)	1.5	10	20	30	40	45	50	55	60	65	70
	Q(l/min)	25	167	333	500	667	750	833	917	1000	1083	1167
QDX40-9-1.5	H (m)	12.3	12	11.4	10.5	9.2	8.5	7.6	6.7	5.7	4.6	-
QX40-9-1.5		12.3	12	11.4	10.5	9.2	8.5	7.6	6.7	5.7	4.6	-
QDX50-7-1.5		12.3	12	11.4	10.5	9.2	8.5	7.6	6.7	5.7	4.6	-
QX50-7-1.5		12.3	12	11.4	10.5	9.2	8.5	7.6	6.7	5.7	4.6	-
QX50-10-2.2		15.4	15.2	14.6	13.7	12.5	11.8	11	10.1	9.1	8	6.9
QX65-8-2.2		15.4	15.2	14.6	13.7	12.5	11.8	11	10.1	9.1	8	6.9

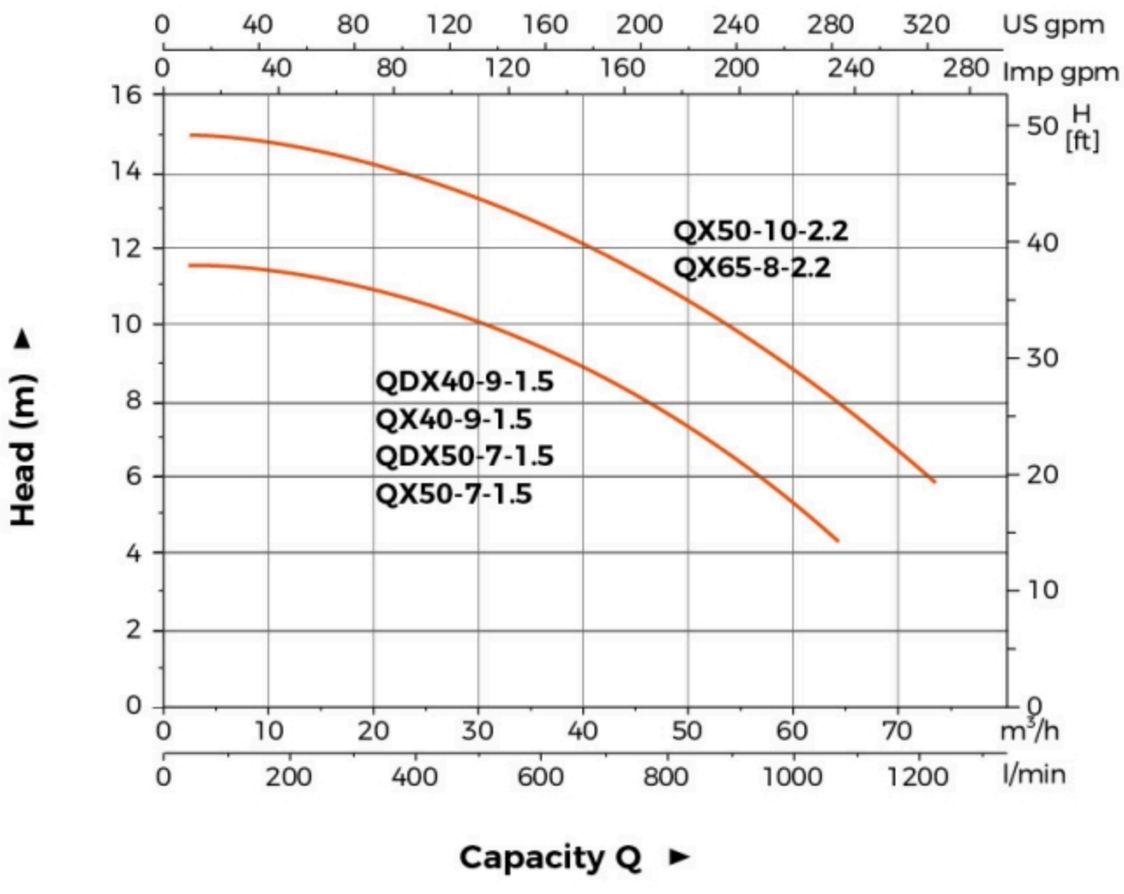
Hydraulic Performance Curves

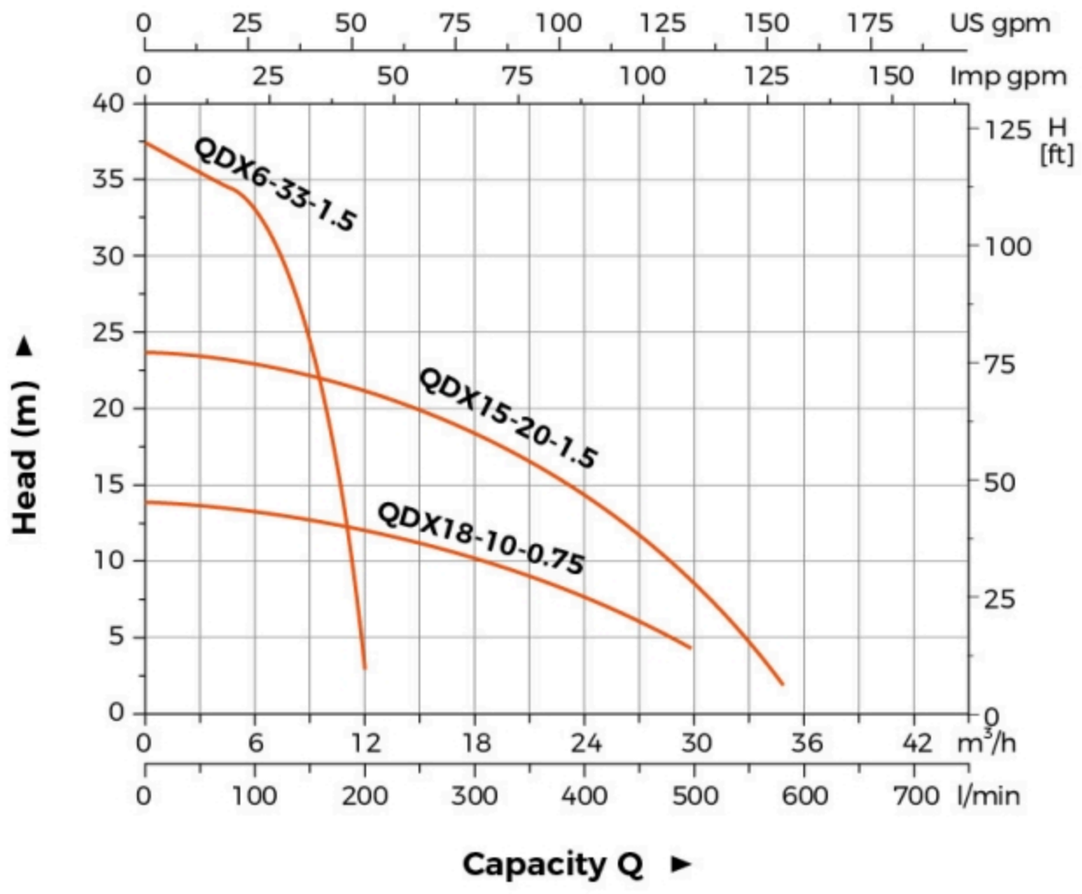












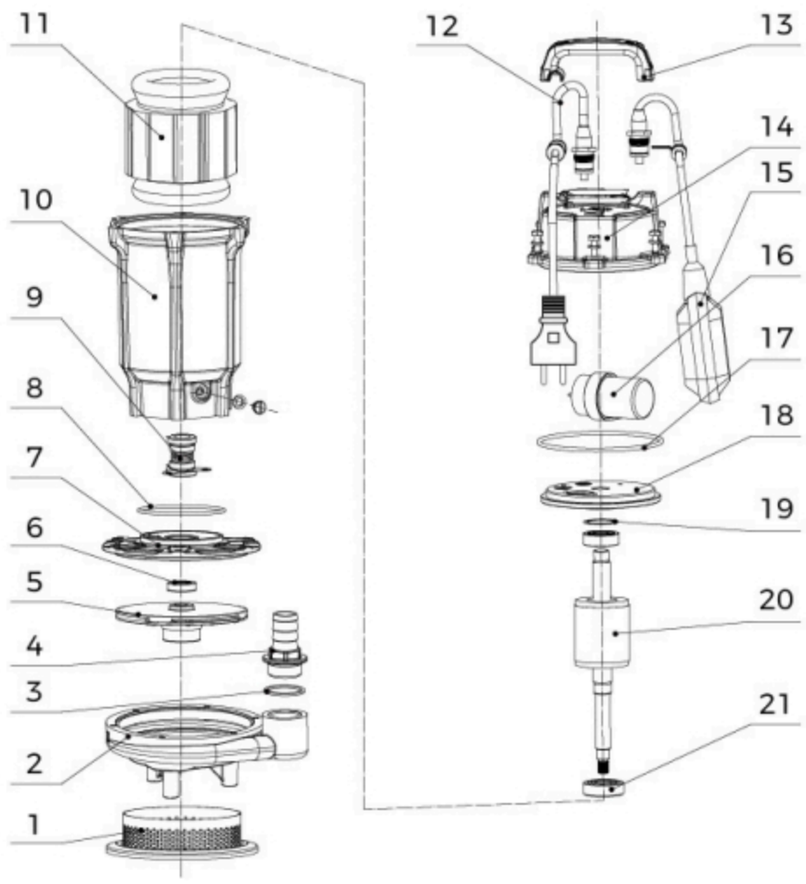
QDX
Submersible Pump

Material Table

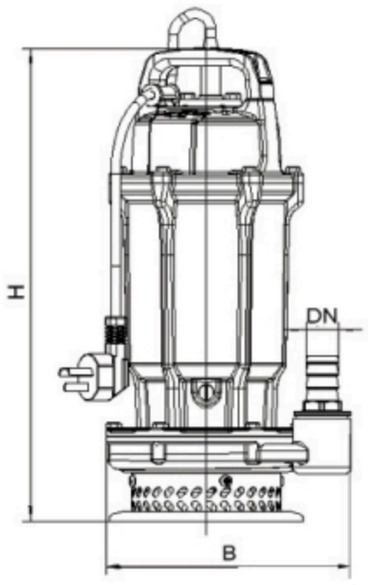
No.	Part	Material
1	Filter	Stainless steel
2	Pump body	HT200
3	O-Ring	NBR
4	Outlet connector	HT200
*5	Impeller	PPO/HT200
6	Oil seal	
7	Cover of cylinder	HT200
8	O-Ring	NBR
9	Mechanical seal	Upper: Ceramic/Carbon Lower: Sic/Carbon
10	Motor casing	HT200
11	Stator	
12	Cable assembly	
13	Handle	PP

No.	Part	Material
14	Top cover	HT200
15	Float switch	
16	Capacitor	
17	O-Ring	NBR
18	End cover	HT200
19	Wave spring pad	
20	Rotor	
21	Bearing	

•HT200 for QDX25-6-0.75A and QDX40-5.5-1.1A



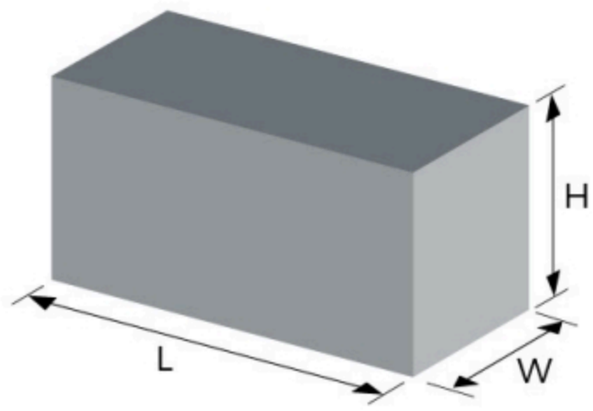
Dimension





Model	Outlet	Connector						H (mm)	B (mm)
		Standard			Optional				
	Thread tube	Hose	Thread tube	Type	Hose	Thread tube	Type		
QDX1.5-12-0.25A	G1	25	-	a	25	G3/4	b	195	145
QDX1.5-15-0.37A	G1	25	-	a	25	G3/4	b	195	145
QDX1.5-25-0.55A	G1	25	-	a	25	G3/4	b	245	195
QDX3-18-0.55A	G1	25	-	a	25	G3/4	b	205	160
QDX10-10-0.55A	G1.5	40	-	a	40	G1	b	215	150
QDX15-7-0.55(A)	G2	50	-	a	50	G1.5	b	240	170
Q(D)X1.5-32-0.75(A)	G1	25	-	a	25	G3/4	b	245	195
Q(D)X6-18-0.75(A)	G1.5	40	-	a	40	G1	b	220	160
Q(D)X10-16-0.75(A)	G1.5	50	-	a	50	G1.5	b	220	160
Q(D)X15-10-0.75(A)	G2	65	-	a	65	G2	b	240	170
QDX18-10-0.75	-	80	G1.5	c	80	/	d	402	251
Q(D)X25-6-0.75(A)	Flange	80	-	c	80	G2.5	b	250	160
Q(D)X10-18-1.1(A)	G1.5	50	-	a	50	G1.5	b	270	190
Q(D)X15-14-1.1(A)	Flange	65	-	c	65	G2	b	270	180
Q(D)X40-6-1.1(A)	Flange	80	-	c	80	G2.5	b	270	195
QDX6-33-1.5	G1.5	40	G1	a	40	/	b	466	267
QDX15-20-1.5	-	80	G2.5	c	80	/	d	466	271
QDX40-9-1.5	Flange	80	G2.5	d	None			520	319
QX40-9-1.5	Flange	80	G2.5	d	None			488	319
QDX50-7-1.5	Flange	100	G3	d	None			520	319
QX50-7-1.5	Flange	100	G3	d	None			488	319
QX50-10-2.2	Flange	80	G2.5	c	None			492	319
QX65-8-2.2	Flange	100	G3	d	None			492	319

Package Information



Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
QDX1.5-12-0.25A	11.5	392	224	180	1788
QDX1.5-15-0.37A	11.5	392	224	190	1788
QDX1.5-25-0.55A	16	435	250	235	1062
QDX3-18-0.55A	14.5	415	230	205	1388
QDX10-10-0.55A	14.5	415	230	205	1388
QDX15-7-0.55(A)	15.5	420	280	215	1132
Q(D)X1.5-32-0.75(A)	16.5	435	250	235	1062
Q(D)X6-18-0.75(A)	15.5	415	230	205	1388
Q(D)X10-16-0.75(A)	15.5	415	230	205	1388
Q(D)X15-10-0.75(A)	16.5	420	280	215	1132
QDX18-10-0.75	17.2	452	300	225	-
Q(D)X25-6-0.75(A)	17.5	420	280	215	1132
Q(D)X10-18-1.1(A)	22	452	300	240	855
Q(D)X15-14-1.1(A)	22	452	300	240	855
Q(D)X40-6-1.1(A)	22.5	490	295	235	792
QDX6-33-1.5	24.7	495	300	245	-
QDX15-20-1.5	24.6	495	300	245	-
QDX40-9-1.5	31	560	370	290	420
QX40-9-1.5	26	560	370	290	420
QDX50-7-1.5	31	560	370	290	420
QX50-7-1.5	26	560	370	290	420
QX50-10-2.2	31	560	370	290	420
QX65-8-2.2	31	560	370	290	420

Application

- Rural wells water pumping
- Farming irrigation and drainage
- Garden watering and family households
- Construction, aquaculture, fish ponds, ect.

Features

- Cast iron pump body,aluminum motor casing
- Copper winding
- Built-in thermal protector
- Stainless steel shaft

Pump

- Max. immersion depth: 5 m
- Max. liquid temperature: +40℃
- Liquid PH level from 6.5 - 8
- Maximum sand content is 0.1%. passage of suspended solids up to 0.2mm.
- Insulation class: F
- Ingress protection: IP68

Identification Codes

Q(D)X 3 - 18 - 0.55 L A

- A — Automatic Opreation with Float Switch
- L — Aluminum Shell
- 0.55 — Power (kW)
- 18 — Rated Head (m)
- 3 — Rated Flow (m^3/h)
- Q(D)X — Submersible Pump (Three-phase without A and D)



Technical Data

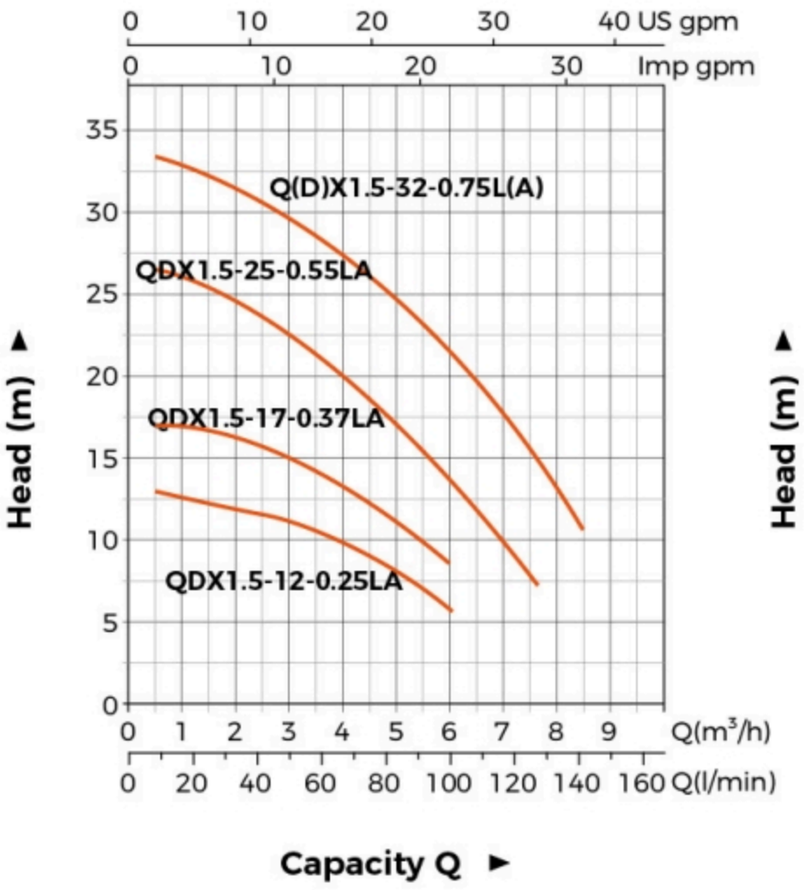
Model	Q(m^3/h)	0	0.5	1	1.5	2	2.5	3	4	5	6	7	8	9
	Q(l/min)	0	8.5	16.5	25	33	41.5	50	67	83	100	117	113	150
QDX1.5-12-0.25LA	H (m)	13	12.7	12.3	12	11.8	11.4	11	9.5	8.3	5.5	-	-	-
QDX1.5-17-0.37LA		17.2	17	16.9	16.8	16.2	15.6	15	13.4	11.2	8.8	-	-	-
QDX1.5-25-0.55LA		26.5	26.2	25.5	25	24.5	23	22.5	20	16	13	10	-	-
Q(D)X1.5-32-0.75L(A)		33.5	33.2	32.5	32	31	30.3	29.5	27.5	25	21	17.5	13	-
QDX3-10-0.25LA		13	-	12.3	-	11.8	-	11	9.5	8.3	5.5	-	-	-
QDX3-14-0.37LA		16	-	15.4	-	14.9	-	14	12.5	11	9.5	7	-	-
QDX3-18-0.55LA		19.4	-	19.1	-	18.6	-	18	17.3	16.3	15	13.6	12	10

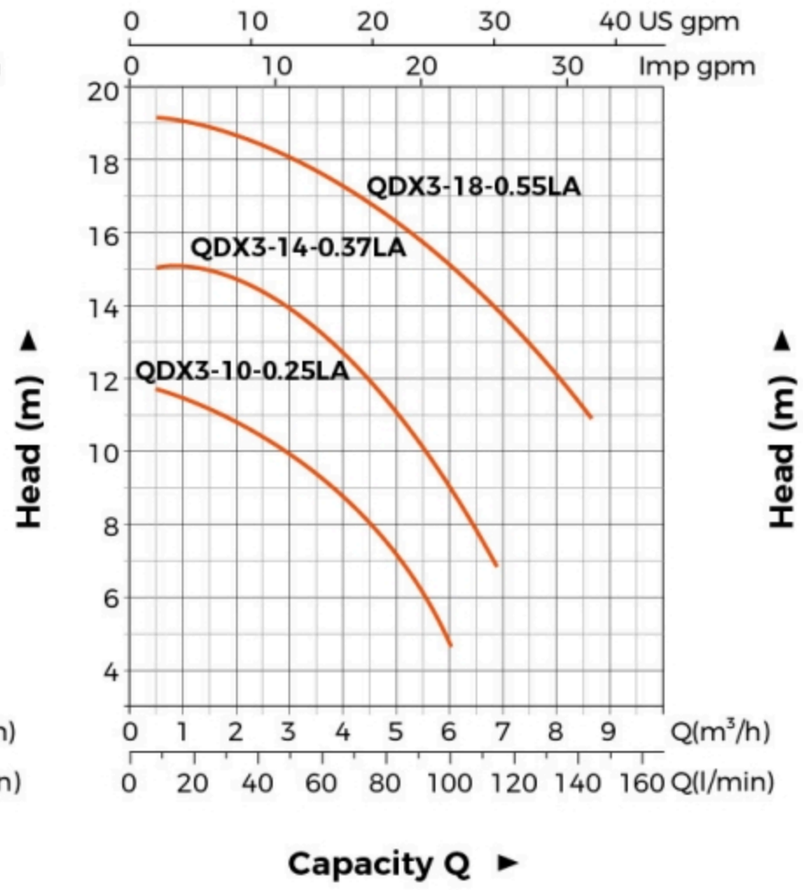
Model	Q(m^3/h)	0	2	4	6	8	10	12	14	16	18	20
	Q(l/min)	0	33	67	100	133	167	200	233	267	300	333
QDX10-10-0.55LA	H (m)	13.2	13.2	13.3	12.7	11.8	10	8.2	7	5	-	-
Q(D)X6-18-0.75L(A)		19.5	19.4	18.8	18	17.7	16	14.2	11.3	8.5	5.5	2
QDX6-33-1.5L		37.4	36	34.8	33	28.2	18.9	3	-	-	-	-
Q(D)X10-16-0.75L(A)		19.5	19.4	18.8	18	17.7	16	14.2	11.3	8.5	5.5	2
Q(D)X10-18-1.1L(A)		25	24.5	26.2	23	21.5	18	15.5	11	4.5	-	-

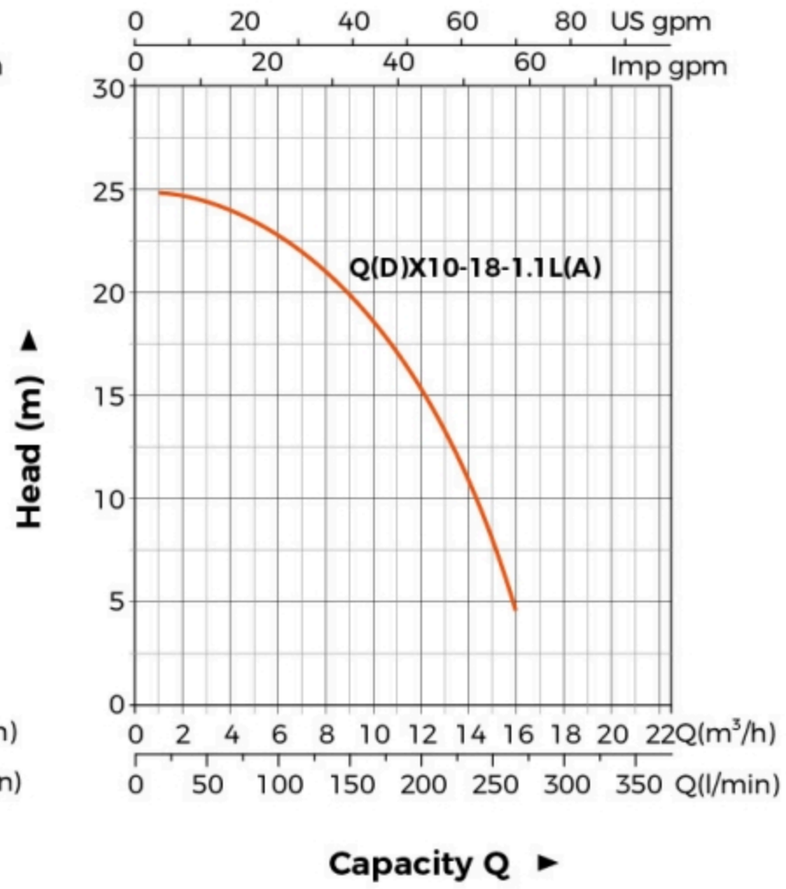
Model	Q(m^3/h)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
	Q(l/min)	0	83	167	250	333	417	500	583	667	750	833	917	1000	1083	1167	1250
QDX15-7-0.55LA	H (m)	8.7	8.6	8.2	7	4.9	1.7	-	-	-	-	-	-	-	-	-	-
Q(D)X15-10-0.75L(A)		12.1	11.7	11.2	10	7.9	5.3	-	-	-	-	-	-	-	-	-	-
Q(D)X15-14-1.1L(A)		16.6	16.5	15.7	14	11.6	8.7	5.5	-	-	-	-	-	-	-	-	-
QDX15-20-1.5L		23.5	23	22	20	17.5	13.7	8.5	1.8	-	-	-	-	-	-	-	-
QDX18-10-0.75L		13.6	13.3	12.5	11	9.3	6.9	4.1	-	-	-	-	-	-	-	-	-
Q(D)X25-6-0.75L(A)		11.8	11	10.3	9.6	8.3	6	3.5	-	-	-	-	-	-	-	-	-
Q(D)X40-6-1.1L(A)		9.5	9.3	9.2	9.2	9.1	8.6	8	7.1	6	4.8	3.8	2.5	-	-	-	-
Q(D)X40-9-1.5L		13.3	13	12.5	12	11.4	10.9	10.5	9.7	9	8	7	6.2	5.1	4	-	-
Q(D)X50-7-1.5L		13.3	13	12.5	12	11.4	10.9	10.5	9.7	9	8	7	6.2	5.1	4	-	-
Q(D)X50-10-2.2L		16.5	16	15.7	15.4	14.9	14.5	14	13.4	12.7	11.7	11	10.2	9	8	6.8	5.8
Q(D)X65-8-2.2L		16.5	16	15.7	15.4	14.9	14.5	14	13.4	12.7	11.7	11	10.2	9	8	6.8	5.8

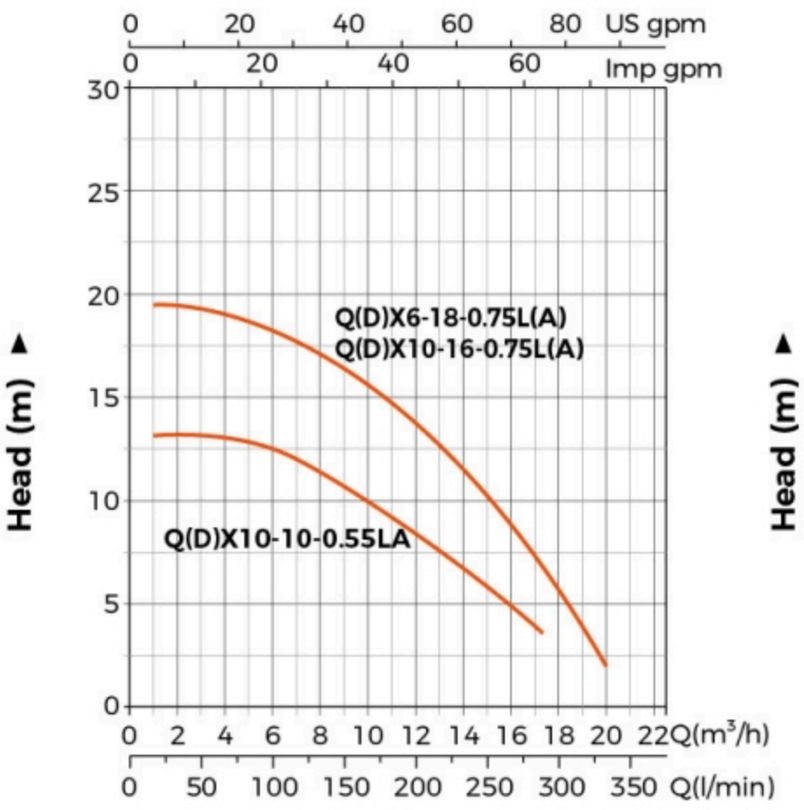
QDX
Submersible Pump

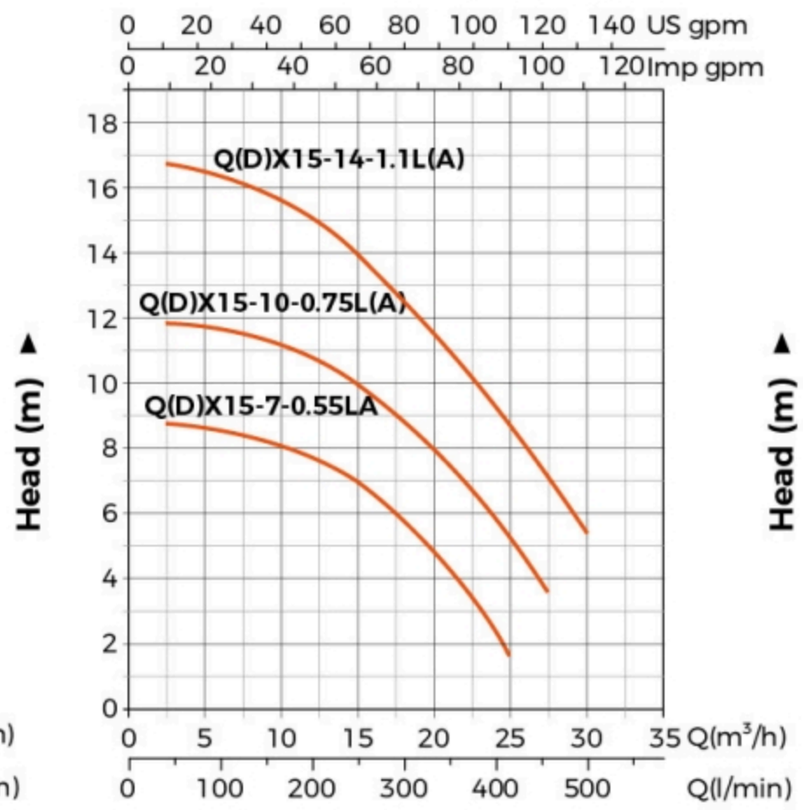
Hydraulic Performance Curves

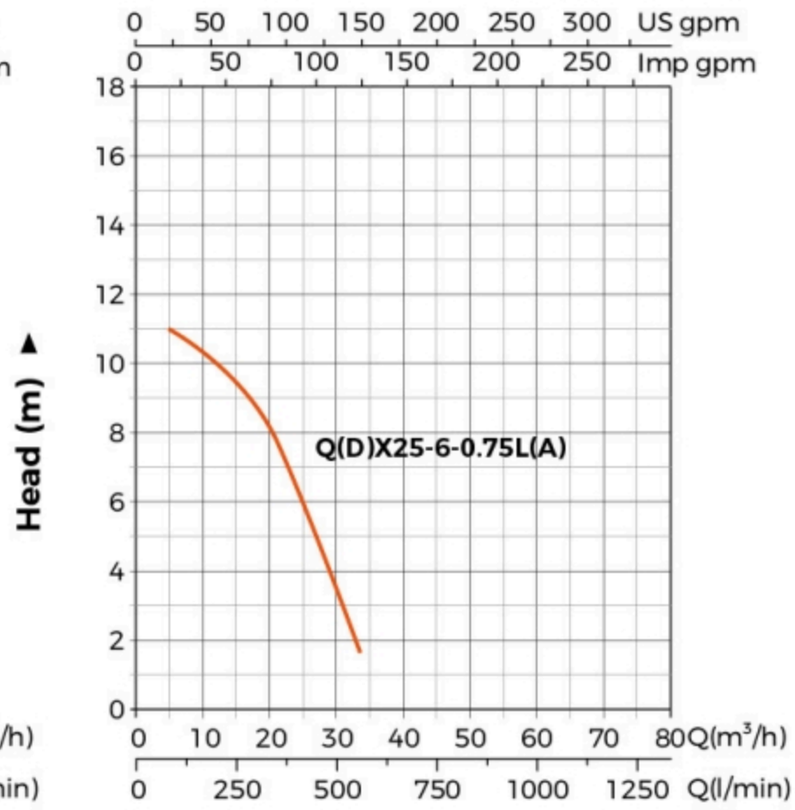


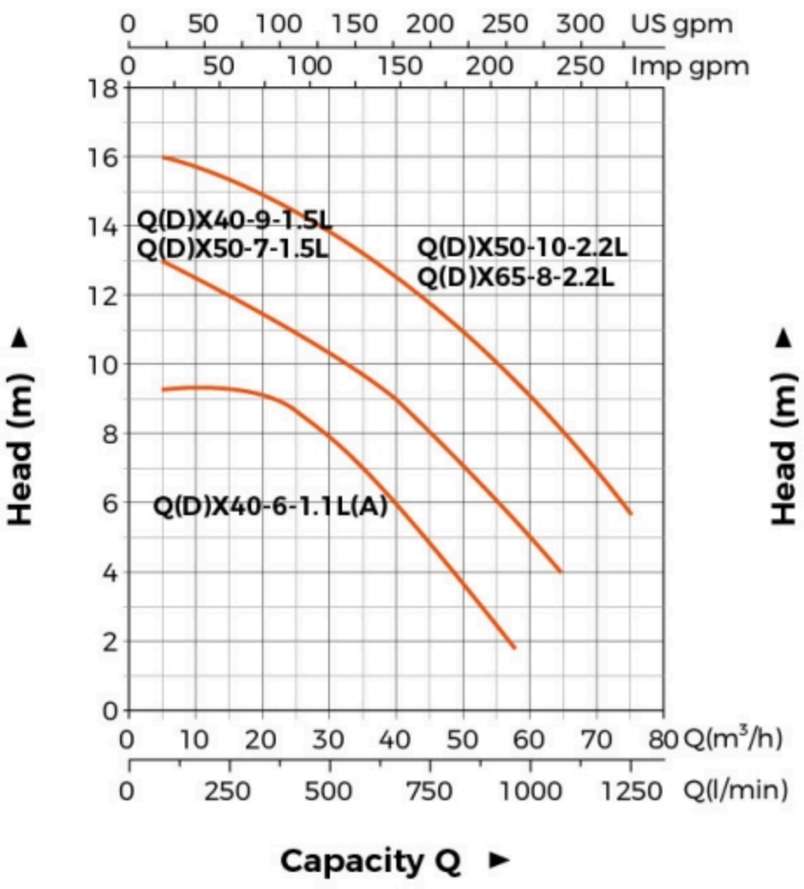


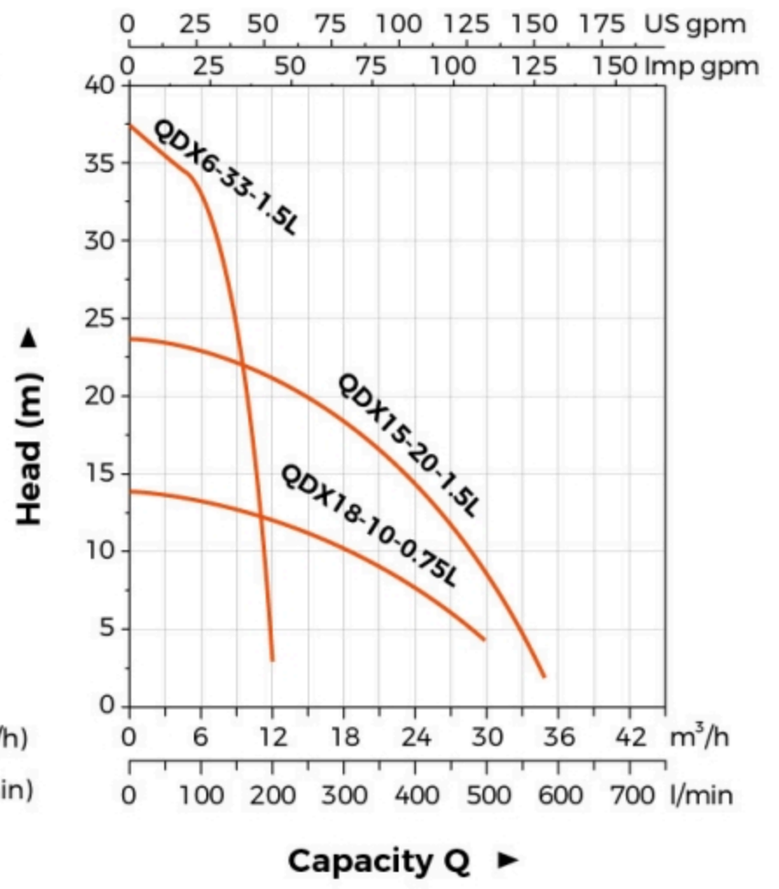








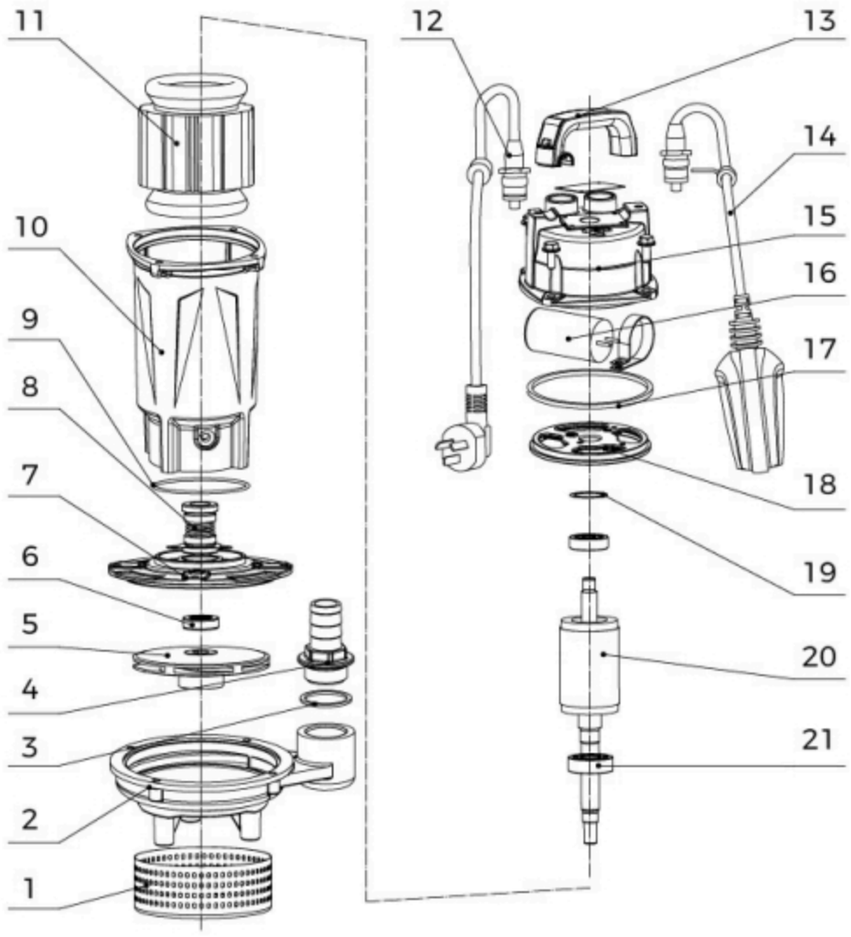




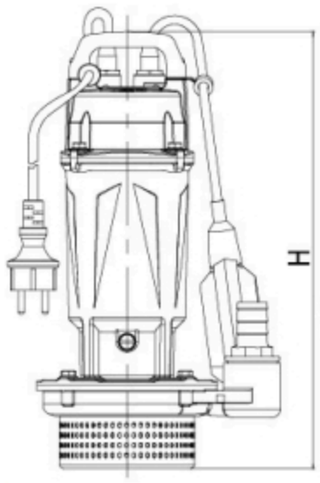
Material Table

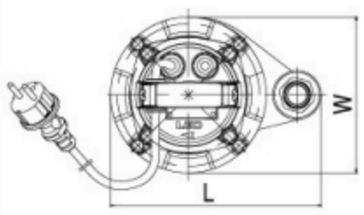
No.	Part	Material
1	Filter	stainless steel
2	Pump body	HT200
3	O-Ring	NBR
4	Outlet connector	HT200
5	Impeller	PPO
6	Oil seal	
7	Cover of cylinder	ADC12(0.25/0.37kW) HT200(0.55/0.75kW)
8	Mechanical seal	
9	O-Ring	NBR
10	Motor casing	ADC12
11	Stator	
12	Cable assembly	
13	Handle	PP

No.	Part	Material
14	Float switch	
15	Top cover	ADC12
16	Capacitor	
17	O-Ring	NBR
18	End cover	ADC12
19	Wave spring pad	
20	Rotor	
21	Bearing	



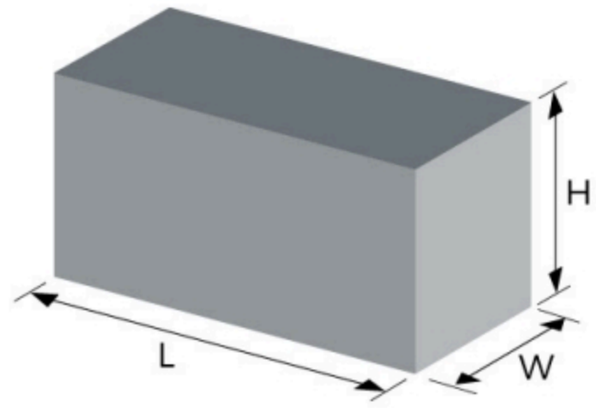
Dimension







Package Information



Model	Outlet	Connector						L (mm)	W (mm)	H (mm)
		Standard			Optional					
	Thread tube	Hose	Thread tube	Type	Hose	Thread tube	Type			
QDX1.5-12-0.25LA	G1	25	-	a	25	G3/4	b	195	144	348
QDX1.5-17-0.37LA	G1	25	-	a	25	G3/4	b	195	144	348
QDX1.5-25-0.55LA	G1	25	-	a	25	G3/4	b	245	194	382
Q(D)X1.5-32-0.75L(A)	G1	25	-	a	25	G3/4	b	245	194	382
QDX3-10-0.25LA	G1	25	-	a	25	G3/4	b	195	144	348
QDX3-14-0.37LA	G1	25	-	a	25	G3/4	b	195	144	348
QDX3-18-0.55LA	G1	25	-	a	25	G3/4	b	205	159	375
QDX6-33-1.5L	G1.5	40	G1	a	40	-	b	267	184	466
QDX10-10-0.55LA	G1.5	40	-	a	40	G1	b	213	152	374
QDX15-20-1.5L	-	80	G2.5	c	80	-	d	271	184	466
QDX18-10-0.75L	-	80	G1.5	c	80	-	d	251	167	402
Q(D)X6-18-0.75L(A)	G1.5	40	-	a	40	G1	b	221	159	379
QDX15-7-0.55LA	G2	50	-	a	50	G1.5	b	237	160	393
Q(D)X10-16-0.75L(A)	G1.5	50	-	a	50	G1.5	b	221	159	372
Q(D)X15-10-0.75L(A)	G2	50	-	a	50	G2	b	237	166.5	393
Q(D)X10-18-1.1L(A)	G2	50	-	a	50	G1.5	b	271	190	425
Q(D)X15-14-1.1L(A)	Flange	65	-	c	65	G2	d	267	182	426
Q(D)X25-6-0.75L(A)	Flange	80	-	c	80	G2.5	d	248	162	392
Q(D)X40-6-1.1L(A)	Flange	80	-	c	80	G2.5	d	268	194	452
QDX40-9-1.5L	Flange	80	G2.5	d	None			319	218	510
QX40-9-1.5L	Flange	80	G2.5	d	None			319	218	480
Q(D)X50-10-2.2L	Flange	100	G3	d	None			319	218	510
QDX50-7-1.5L	Flange	100	G3	d	None			319	218	510
QX50-7-1.5L	Flange	80	G2.5	d	None			319	218	480
Q(D)X65-8-2.2L	Flange	100	G3	d	None			319	218	510

Model	GW(Kgs)		L (mm)	W (mm)	H (mm)	Quantity (PCS/20'TEU)
	QDX	QX				
QDX1.5-12-0.25LA	6.8	-	392	224	180	1788
QDX1.5-17-0.37LA	7.8	-	392	224	180	1788
QDX1.5-25-0.55LA	11.5	-	435	250	235	1062
Q(D)X1.5-32-0.75L(A)	12.5	12	435	250	235	1062
QDX3-10-0.25LA	6.8	-	392	224	180	1788
QDX3-14-0.37LA	7.8	-	392	224	180	1788
QDX3-18-0.55LA	10.2	-	415	230	205	1388
QDX6-33-1.5L	19	-	495	300	245	-
QDX10-10-0.55LA	10.5	-	415	230	205	1388
QDX15-20-1.5L	18.7	-	495	300	245	-
QDX18-10-0.75L	13.5	-	452	300	225	-
Q(D)X6-18-0.75L(A)	11.5	11	415	230	205	1388
QDX15-7-0.55LA	11	-	420	280	215	1132
Q(D)X10-16-0.75L(A)	11.5	11	415	230	205	1388
Q(D)X15-10-0.75L(A)	13	12.5	420	280	215	1132
Q(D)X10-18-1.1L(A)	15	14	452	300	240	855
Q(D)X15-14-1.1L(A)	15	14	452	300	240	855
Q(D)X25-6-0.75L(A)	13	12	420	280	215	1132
Q(D)X40-6-1.1L(A)	17	16	490	295	235	792
Q(D)X40-9-1.5L	23.5	20.5	560	370	290	420
Q(D)X50-10-2.2L	25	23.5	560	370	290	420
Q(D)X50-7-1.5L	23.5	20.5	560	370	290	420
Q(D)X65-8-2.2L	25	23.5	560	370	290	420