



QY(B) QYL(B)

50Hz/60Hz

Stainless steel self-suction
gas-liquid mixing pump



Hengshui Snowate Environmental Technology Co., Ltd.

www.snowate.com

snow@snowate.com

Mobile: +86-15030811699 (WhatsApp, WeChat)



WeChat WhatsApp

E220802
subject to amendments



Pumping Water Pumping Honor

Content

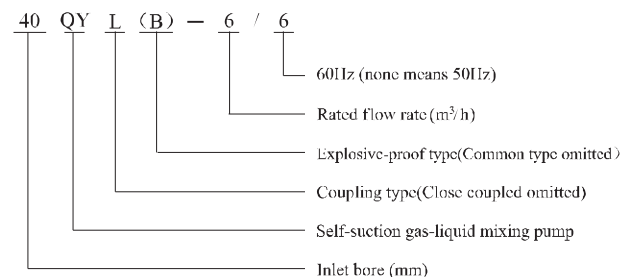
General Data

Model definition	4
Working conditions	4
Application	4
Features	4

Technical Data

Performance curve	5
Performance table	6
QY(B) Installation sketch	7
QYL(B) Installation dimensions	8
QYL(B) Installation sketch	9
QYL(B) Installation dimensions	10

Definition of model



Working conditions

- QY and QYL designed for clear and low viscosity liquid, or liquid containing extra-fine foreign matters.
- QYB and QYLB designed for clear and low viscosity liquid, or explosive flammable liquid which containing very little solids.
- Liquid Temperature:-15℃ ~ 105℃
- Maximum ambient temperature: +40℃
- Gas-liquid ratio 1:9 (gas suction volume 8 ~ 10%)
- Inlet:horizontal, Outlet:Vertical

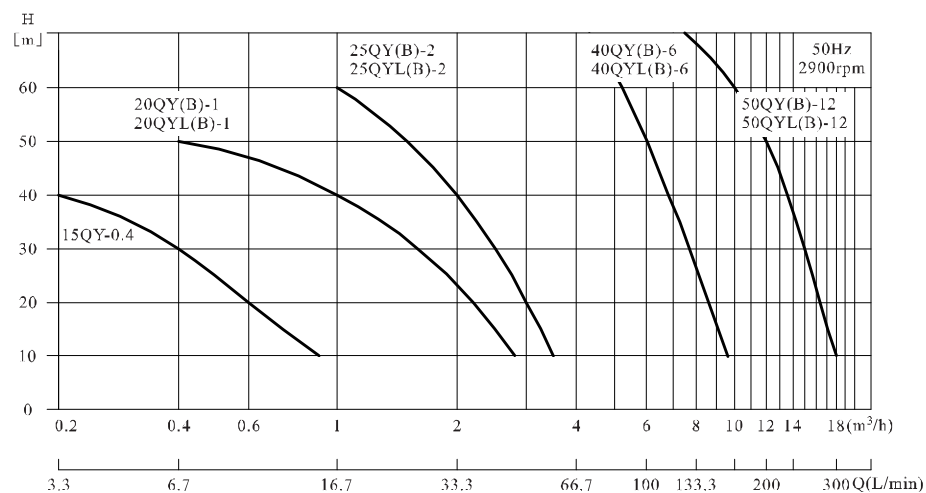
Application

- Air suspension treating equipment, ozone water preparing equipment, and biological treating equipment.
- Feeding of heating or cooling medium for various temperature adjusting devices.
- Various filters: sucking or high pressure transferring low viscosity liquid from underground tank, such as gasoline and various solvent.
- Misting treatment of clear water, pure water, foods, chemical solution and waste solution.
- Strict applications (continuous running, abrupt variation in hydraulic pressure): such as small scale steam boiler, high building water supply, high pressure water injection to high pressure tank, and suction from vacuum tank.
- Sampling from river or tank, transfer foamable liquid, transfer liquid through long and horizontal pipeline, where air pockets likely occur.

Features

- It can suck water while sucking gas and pressurize and mix them inside it. Ultra fine air bubble 20 ~ 30 μ . It renders a good gas liquid solving effect.
- It has stable performances, high efficiency and low noise level, and its gas liquid solving efficiency is as high as twice that of the traditional mode.
- When it is used in air suspension unit, air compressors, various mixers, high pressure air solving tanks and releasers may be saved and thus the weakness of instable air supply and boiling of large air bubble which likely occur in traditional working model will be eliminated.
- When it is used in ozone water preparing equipment, many mixers and large oxidation towers may be saved and thus the cost for equipment will be greatly reduced. In addition, its gas liquid solving ratio may exceed 95%.
- It is simple in structure and operation, easy in maintenance and durable and needs less components. It has a good self suction capacity and a wide application range.

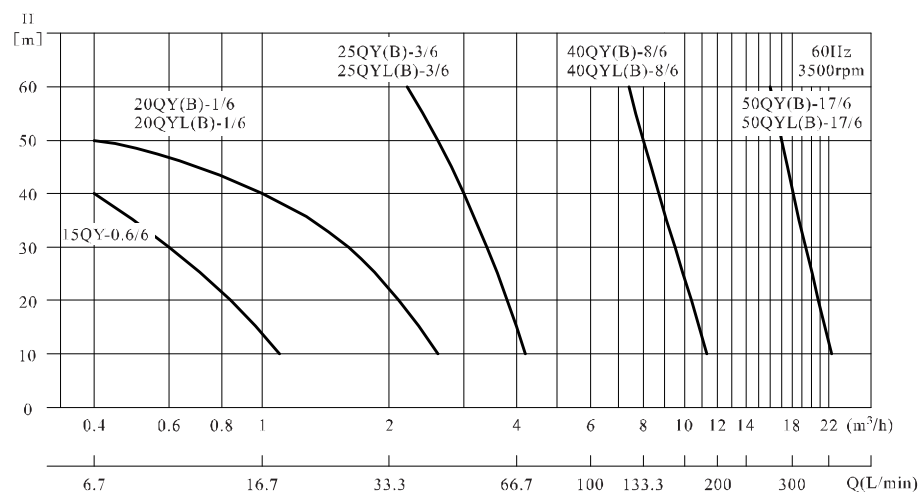
Performance curve



Performance table

50Hz

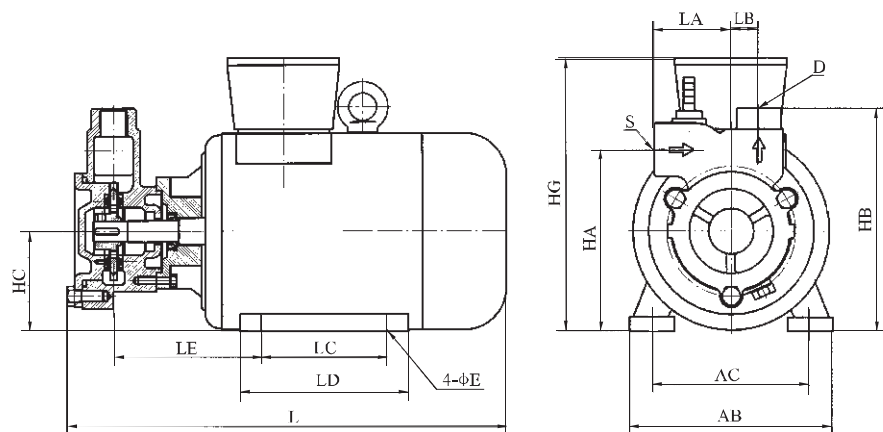
Model	Driving motor			H (m)	10	20	30	40	50	60	70
	(kW)	(hp)	PH								
15QY-0.4	0.3	0.4	1PH 3PH	Q (m³/h)	0.9	0.6	0.4	0.2	—	—	—
20QY-1	0.55	0.75	1PH 3PH		2.8	2.2	1.6	1	0.4	—	—
20QYB-1			3PH								
25QY-2	1.1	1.5	1PII 3PII		3.5	3	2.5	2	1.5	1	—
25QYB-2			3PH								
40QY-6	3	4	3PH		9.6	8.6	7.7	6.8	6	5.2	4.3
40QYB-6	4	5.5		Q (m³/h)	18	16.4	15	13.6	12	10	7.5
50QY-12	5.5	7.5	3PH								
50QYB-12	7.5	10									
20QYL-1	0.55	0.75	1PH 3PH		2.8	2.2	1.6	1	0.4	—	—
20QYLB-1			3PII								
25QYL-2	1.1	1.5	1PH 3PH		3.5	3	2.5	2	1.5	1	—
25QYLB-2			3PH								
40QYL-6	4	5.5	3PH	Q (m³/h)	9.6	8.6	7.7	6.8	6	5.2	4.3
40QYLB-6											
50QYL-12	7.5	10	3PII		18	16.4	15	13.6	12	10	7.5
50QYLB-12											



60Hz

Model	Driving motor			H (m)	10	20	30	40	50	60
	(kW)	(hp)	PII							
15QY-0.6/6	0.45	0.6	1PH 3PH	Q (m³/h)	1.1	0.8	0.6	0.4	—	—
20QY-1/6	0.75	1	1PII 3PII		2.6	2.1	1.6	1	0.4	—
20QYB-1/6	0.55	0.75	3PH							
25QY-3/6	1.5	2	1PII 3PII		4.2	3.8	3.4	3	2.6	2.2
25QYB-3/6			3PH							
40QY-8/6	4	5.5	3PH		11.3	10.4	9.5	8.7	8	7.4
40QYB-8/6				Q (m³/h)	22.4	20.8	19.4	18.1	17	16
50QY-17/6	7.5	10	3PH							
50QYB-17/6										
20QYL-1/6	0.75	1	1PH 3PH		2.6	2.1	1.6	1	0.4	—
20QYLB-1/6	0.55	0.75	3PH							
25QYL-3/6	1.5	2	1PH 3PH		4.2	3.8	3.4	3	2.6	2.2
25QYLB-3/6			3PH							
40QYL-8/6	4	5.5	3PII	Q (m³/h)	11.3	10.4	9.5	8.7	8	7.4
40QYLB-8/6										
50QYL-17/6	7.5	10	3PH		22.4	20.8	19.4	18.1	17	16
50QYLB-17/6										

QY(B) Installation sketch



QY(B) Installation dimensions

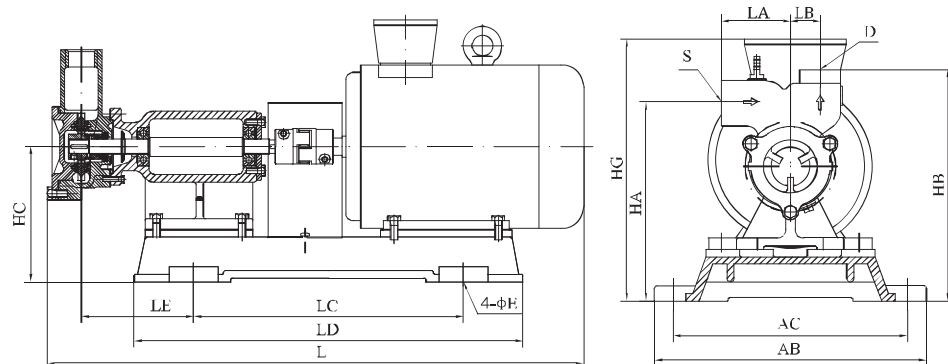
50Hz

Model	HA	IIB	IIC	IIG	AB	AC	L	LA	LB	LC	LD	LE	S	D	E	weight [kg]
15QY-0.4	117	143	63	188	120	100	265	52.5	16	80	104	98	G½	G¾	Φ7	7
20QY-1	129	159	71	180	135	112	310	55	20	90	110	100	G¾	G½	Φ9	10
20QYB-1	129	159	71	270	140	112	350	55	20	90	114	100	G¾	G½	Φ9	20
25QY-2	150	185	80	195	155	125	345	60	28	100	130	105	G1	G¾	Φ10	17
25QYB-2	150	185	80	340	165	125	400	60	28	100	135	105	G1	G¾	Φ10	27
40QY-6	185	230	100	230	190	160	445	70	40	140	170	140	G1½	G1¼	Φ12	36
40QYB-6	197	242	112	365	240	190	550	70	40	140	180	140	G1½	G1¼	Φ12	67
50QY-12	232	288	132	300	250	216	520	77	47	140	175	180	G2	G1½	Φ12	63
50QYB-12	232	288	132	410	280	216	580	77	47	140	190	180	G2	G1½	Φ12	94

60Hz

Model	HA	HB	HC	HG	AB	AC	L	LA	LB	LC	LD	LE	S	D	E	weight [kg]
15QY-0.6/6	117	143	63	188	120	100	265	52.5	16	80	104	98	G½	G¾	Φ7	7
20QY-1/6	129	159	71	180	135	112	310	55	20	90	110	100	G¾	G½	Φ9	10
20QYB-1/6	129	159	71	270	140	112	350	55	20	90	114	100	G¾	G½	Φ9	20
25QY-3/6	150	185	80	195	155	125	345	60	28	100	130	105	G1	G¾	Φ10	17
25QYB-3/6	160	195	90	340	176	140	445	60	28	100	130	105	G1	G¾	Φ10	33
40QY-8/6	185	230	100	230	190	160	445	70	40	140	170	140	G1½	G1¼	Φ12	36
40QYB-8/6	197	242	112	365	240	190	550	70	40	140	180	140	G1½	G1¼	Φ12	67
50QY-17/6	232	288	132	300	250	216	520	77	47	140	175	180	G2	G1½	Φ12	63
50QYB-17/6	232	288	132	410	280	216	580	77	47	140	190	180	G2	G1½	Φ12	94

QYL(B) Installation sketch



QYL(B) Installation dimensions

50IIz

Model	HA	HB	HC	HG	AB	AC	L	LA	LB	LC	LD	LE	S	D	E	weight [kg]
20QYL-1	199	229	141	250	265	225	525	55	20	228	388	135	G $\frac{3}{4}$	G $\frac{1}{2}$	$\Phi 14$	26
20QYLB-1	199	229	141	340	265	225	560	55	20	228	388	135	G $\frac{3}{4}$	G $\frac{1}{2}$	$\Phi 14$	37
25QYL-2	220	255	150	265	275	235	620	60	28	293	453	136	G1	G $\frac{3}{4}$	$\Phi 14$	36
25QYLB-2	220	255	150	410	275	235	670	60	28	293	453	136	G1	G $\frac{3}{4}$	$\Phi 14$	48
40QYL-6	255	300	170	300	345	305	750	70	40	363	535	151	G1 $\frac{1}{2}$	G1 $\frac{1}{4}$	$\Phi 14$	62
40QYLB-6	267	312	182	435	345	305	850	70	40	363	535	151	G1 $\frac{1}{2}$	G1 $\frac{1}{4}$	$\Phi 14$	95
50QYL-12	302	358	202	370	390	350	780	77	47	450	610	158	G2	G1 $\frac{1}{2}$	$\Phi 14$	97
50QYLB-12	302	358	202	480	390	350	875	77	47	450	610	158	G2	G1 $\frac{1}{2}$	$\Phi 14$	138

60IIz

Model	HA	HB	HC	HG	AB	AC	L	LA	LB	LC	LD	LE	S	D	E	weight [kg]
20QYL-1/6	199	229	141	250	265	225	525	55	20	228	388	135	G $\frac{3}{4}$	G $\frac{1}{2}$	$\Phi 14$	26
20QYLB-1/6	199	229	141	340	265	225	560	55	20	228	388	135	G $\frac{3}{4}$	G $\frac{1}{2}$	$\Phi 14$	37
25QYL-3/6	220	255	150	265	275	235	620	60	28	293	453	136	G1	G $\frac{3}{4}$	$\Phi 14$	36
25QYLB-3/6	230	265	160	410	286	246	715	60	28	293	453	136	G1	G $\frac{3}{4}$	$\Phi 14$	54
40QYL-8/6	255	300	170	300	345	305	750	70	40	363	535	151	G1 $\frac{1}{2}$	G1 $\frac{1}{4}$	$\Phi 14$	62
40QYLB-8/6	267	312	182	435	345	305	850	70	40	363	535	151	G1 $\frac{1}{2}$	G1 $\frac{1}{4}$	$\Phi 14$	95
50QYL-17/6	302	358	202	370	390	350	780	77	47	450	610	158	G2	G1 $\frac{1}{2}$	$\Phi 14$	97
50QYLB-17/6	302	358	202	480	390	350	875	77	47	450	610	158	G2	G1 $\frac{1}{2}$	$\Phi 14$	138