



Gol Pumps Technology Company
Supply, Import, Export Water Pumps

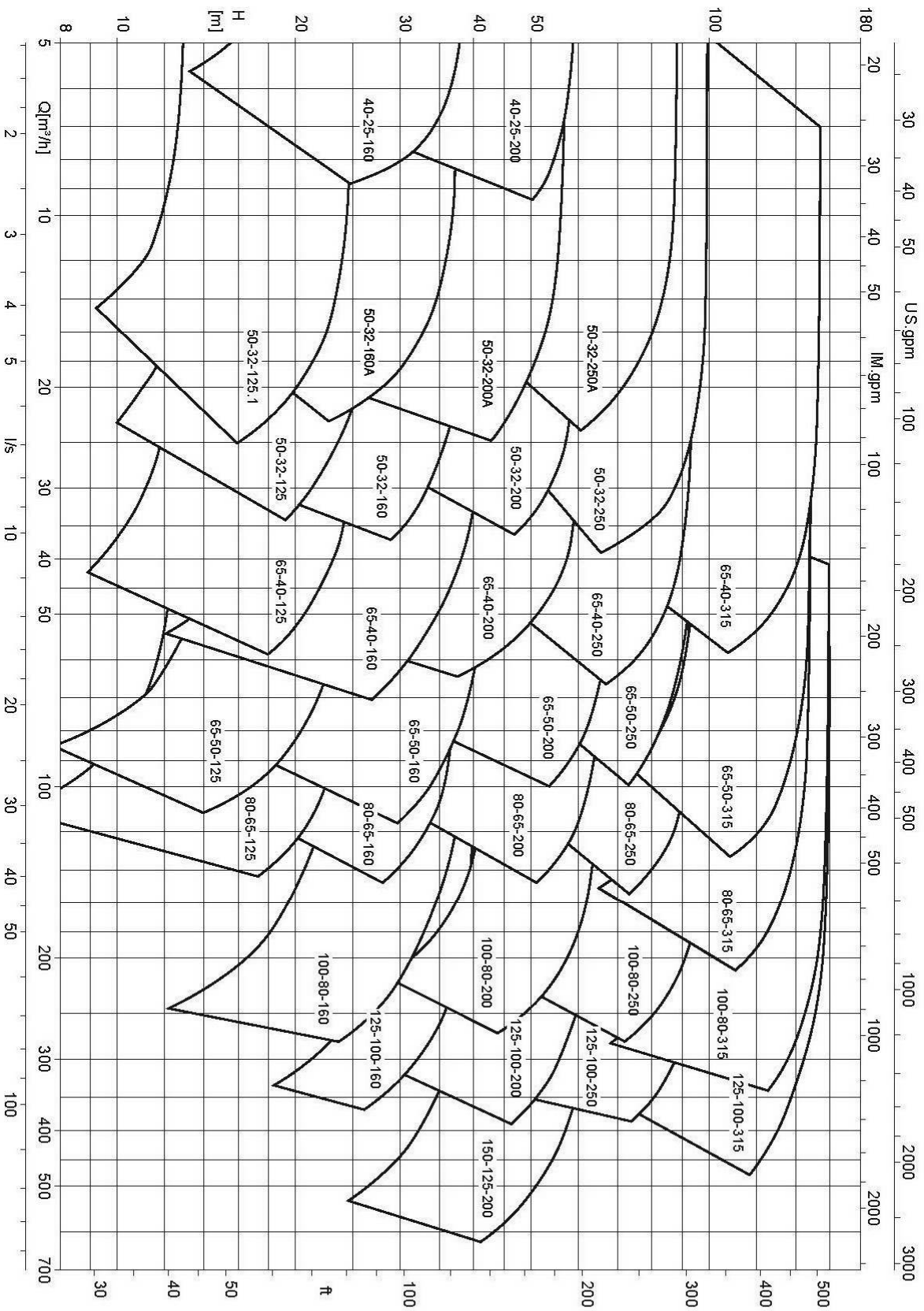
End Suction Centrifugal Pump GQI Series



An Pump Machinery is the pump factory approved by ISO9001, ISO14001 and OHSAS18001. We also have the certificate of CE. Our factory is over 50,000 square meters with the professional engineer over 20. The Max casting parts weight we could do one time is 7 tons. And we have capacity to produce 600 tons per month and with the heat treatment furnace dimension 6mx5.5mx2.5m. The Max parts we could machine is 6.4 meters and we have capacity to assemble the pump over 1800mm and our cranes capacity is 30 tons.

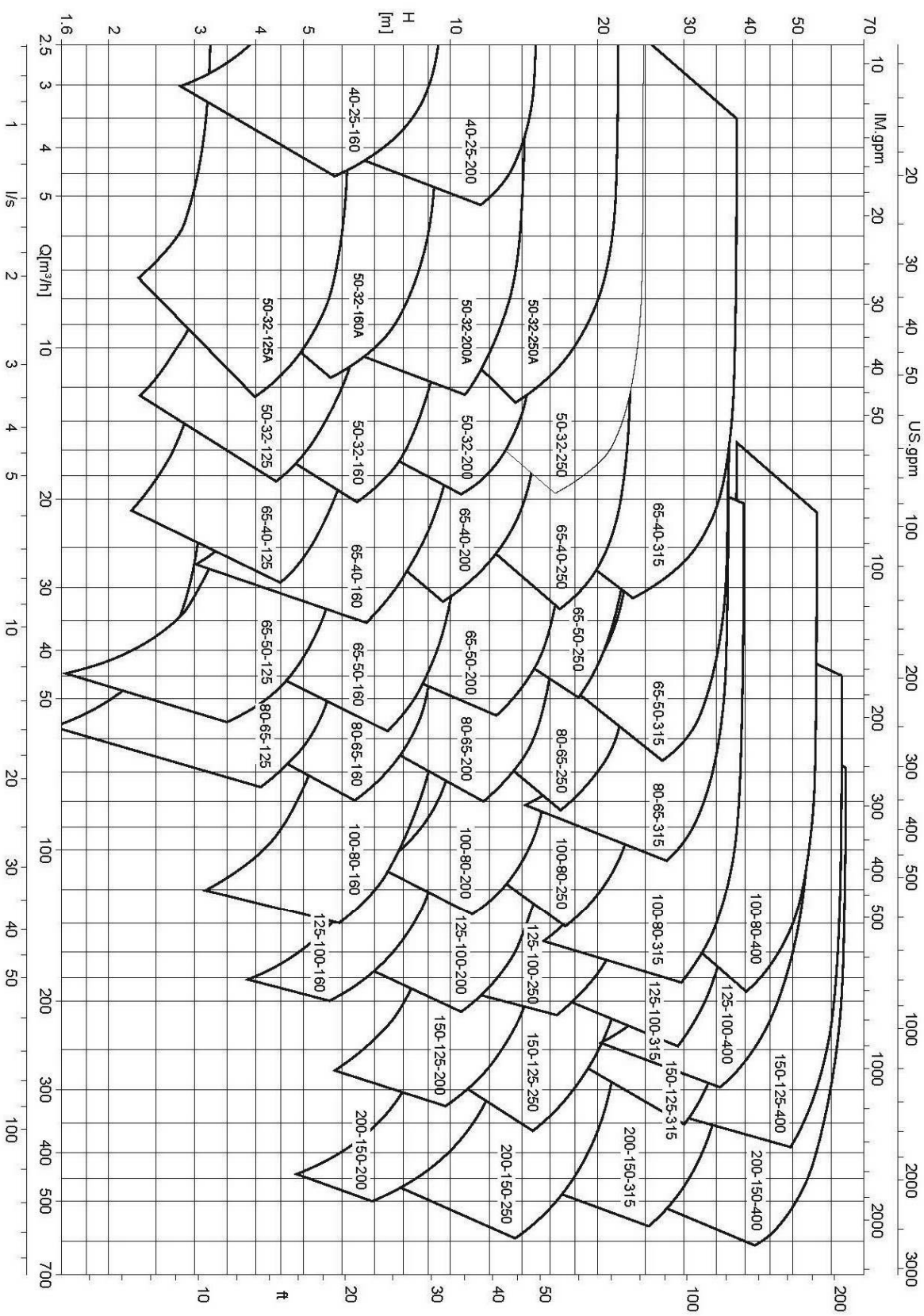
The Selection Charts

2900r/min





The Selection Charts 1450r/min

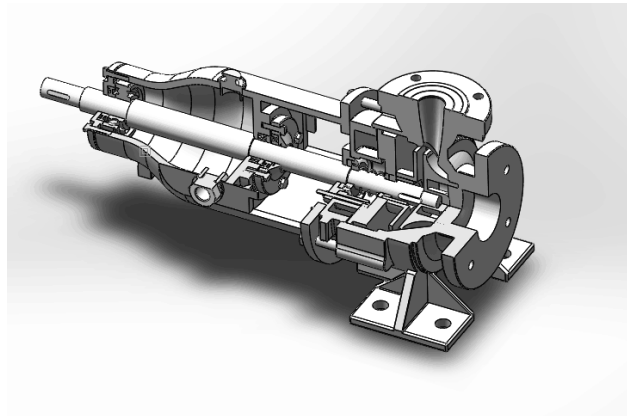


The QI (H) End Suction Centrifugal Pump is designed according to ISO9906 (ISO2858).

QI centrifugal water pump is the pump for clean water and the other liquids physically and chemically similar to the clean water. The temperature of liquid shall not be over 80°C.

QIH series is the single stage, end suction centrifugal chemical pump, which can be widely used in the liquid corrosive between temperature in -20°C to 105 °C.

The QI (H) pump is high efficient pump and its average efficient is 5% higher than similar brand in the market.



Size: 1.5 inch – 2 inch

Flow: 3.8 m³/h – 1200 m³/h

Head: 4.6m – 133m

The QIH Pump can handle the liquid corrosive and the viscosity similar to clean water.

It could be coupled with cooling system for high temperature medium.

The pump supported in gland packing seal and different type of mechanical seals widely used in chemical, petroleum, metallurgy, power, paper making, food, pharmacy and synthetic fiber etc..

Feature & Application

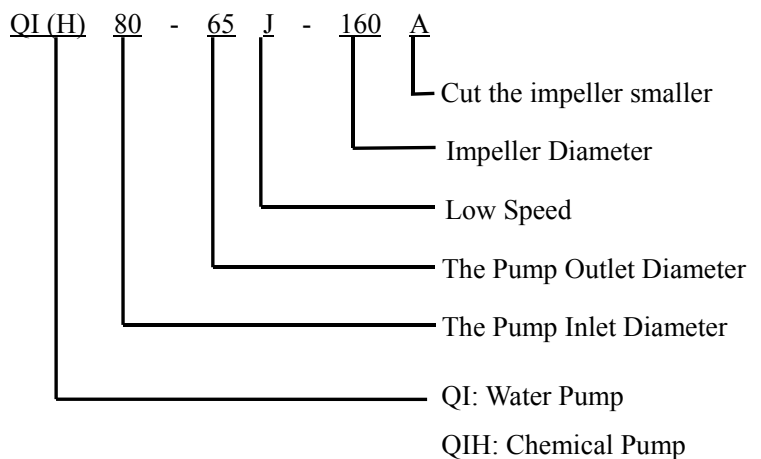


The QI pump is suitable for water supply, sea water, processing water, cooling water, drain & dewatering, irrigation, pressure booster, air condition, heating and ventilating or fire fight department etc.

It could be driven by electric motor or diesel engine.

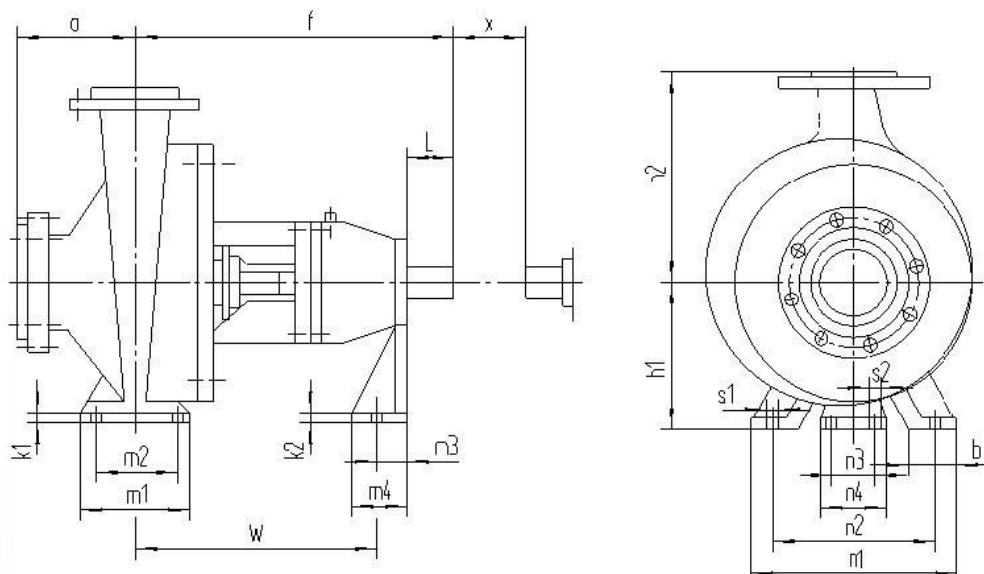
The impeller could be cut to let the pump suitable for different application in rating.

Model:





Overall and Dimensions Figure



Type of Pump	Pump				Pump Feet												w	Bolt holes		Shaft End		Space
	a	f	h ₁	h ₂	b	m ₁	m ₂	m ₃	m ₄	n ₁	n ₂	n ₃	n ₄	k ₁	k ₂	s ₁		s ₂	d	L	x	
QI(H)50-32-125	80	385	112	140	50	100	70	19	60	190	140	110	145	14	10	285	4-Φ 14.5	2-Φ 14.5	24	50	100	
QI(H)50-32-160			132	160						240	190			16								
QI(H)50-32-200			160	180																		
QI(H)50-32-250	100	500	180	225	65	125	95	25	65	320	250	110	145	20	14	370					32	80
QI(H)65-50-125	80	385	112	140	50	100	70	19	60	210	160	110	145	14	10	285	4-Φ 14.5	2-Φ 14.5	24	50	100	
QI(H)65-50-160			132	160						240	190			16								
QI(H)65-40-200			100	160						180	265			212								
QI(H)65-40-250	100	500	180	225	65	125	95	25	65	320	250	110	145	20	14	370					32	80
QI(H)65-40-315	125		200	250						345	280											
QI(H)80-65-125	100	385	132	160	50	100	70	19	60	240	190	110	145	16	10	285	4-Φ 14.5	2-Φ 14.5	24	50	100	
QI(H)80-65-160			160	180						265	212											



QI(H) End Suction Centrifugal Pump

Type of Pump	Pump				Pump Feet												w	Bolt holes		Shaft End		Space
	a	f	h ₁	h ₂	b	m ₁	m ₂	m ₃	m ₄	n ₁	n ₂	n ₃	n ₄	k ₁	k ₂	s ₁		s ₂	d	L	x	
QI(H)80-50-200	100	385		200	50	100	70	19	60	265	212	110	145	16	10	285	4-Φ 14.5	2-Φ 14.5	24	50	100	
QI(H)80-50-250	125	500	180	225	65	125	95	25	65	320	250	110	145	20	10	285	4-Φ 14.5	2-Φ 14.5	24	50	100	
QI(H)80-50-315			225	280						345	280				14	370			32	80	100	
QI(H)100-80-125	100	385		180	65	125	95	19	60	280	212	110	145	16	10	285	4-Φ 14.5	2-Φ 14.5	24	50	100	
QI(H)100-80-160		500	160	200				24								370			32	80		
QI(H)100-65-200	100	500	180	225	65	125	95	25	65	320	250	110	145	20	14	370	4-Φ 14.5	2-Φ 14.5	32	80	140	
QI(H)100-65-250	125		200	250	80	160	120			360	280						4-Φ 18.5				140	
QI(H)100-65-315		530	225	280	28	400	315	25	42	110												
QI(H)125-100-200	125	500	200	280	80	160	120	25	65	360	280	110	140	20	14	370	4-Φ 18.5	2-Φ 14.5	32	80	140	
QI(H)125-100-250	140	530	225	280						400	315								42	110		
QI(H)125-100-315			250	315				400	315	28	65	500	400	4-Φ 24								
QI(H)125-100-400			280	355				100	200	150	28	65	500	400			4-Φ 24					
QI(H)150-125-250	140	530	250	355	80	160	120	28	65	400	315	110	145	25	14	370	4-Φ 18.5	2-Φ 14.5	42	110	140	
QI(H)150-125-315			280	355	100	200	150			500	400						4-Φ 24	2-Φ 14.5	42	110	140	
QI(H)150-125-400	140	530	315	400	100	200	150	28	65	500	400	110	145	25	14	370	4-Φ 24	2-Φ 18.5	42	110	140	
QI(H)200-150-250	160		280	375	100	200	150	28	65	500	400	110	145	25	14	370			42	110	180	
QI(H)200-150-315		670	315	400				38	80	550	450	140	200	30	30	500			48			
QI(H)200-150-400				450															48			

Size and performance parameters of QI(H) pump

Type	Capacity Q	Head H	Speed n	Shaft Power Pa	Motor Power	Eff.	(NPSH)r	Overall Dimensions L*W*H	Inlet Dia.	Outlet Dia.	Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI(H)25-20-250	2 3.6 5.5	80 80 78	2900		7.5	12 18 26	2.5		25	20	
QI(H)40-25-160	6.3 8 10	32 32 30	2900		3	30 31 32	3		40	25	
QI(H)40-25-200	6.3 8 10	50 50 48	2900		5.5	20 23 30	3		40	25	
QI(H)40-32-250	6.3 8 12	80 80 78	2900		11	20 24 34	5		40	32	
QI(H)40-32 J -250	3 4 6	20 20 19.5	1450		1.5	15 20 30	5		40	32	
QI(H)50-32-125	7 12.5 15	22 20 16	2900		2.2	47 52 50	3.2		50	32	
QI(H)50-32J-125	3.5 6.3 7.5	4.5 5 4	1450		0.55	40 45 42	3.2		50	32	
QI(H)50-32-160	7.0 12.5 15	33 32 30	2900		4	35 47 47	3.2		50	32	
QI(H)50-32J-160	3.5 6.3 7.5	4.5 5 4	1450		0.55	30 40 40	3.2		50	32	
QI(H)50-32-160A	7.0 11.7 14	30 28 26	2900	1.36 1.71 1.83	2.2	42 52 54	2 2 2.5	465x240x292	50	32	38
QI(H)50-32J-160A	3.5 5.9 7	7.4 7 6.6	1450	0.21 0.25 0.27	0.55	34 45.5 46	2 2 2.5	465x240x292	50	32	38
QI(H)50-32-160B	6 10 12	25.8 23 21	2900	1.05 1.25 1.32	1.5	40 50 52	2 2 2.5	465x240x292	50	32	37
QI(H)50-32J-160B	3 5.4 6.5	6.4 6 5.6	1450	0.16 0.21 0.23	0.55	32 42 43	2 2 2.5	465x240x292	50	32	37
QI(H)50-32-160A	7.5 12.5 15	52.5 50 48	2900	2.82 3.54 3.95	5.5	38 48 51	2 2 2.5	465x240x340	50	32	43



Type	Capacity Q	Head H	Speed n	Shaft Power Pa	Motor Power	Eff.	(NPSH) _r	Overall Dimensions L*W*H	Inlet Dia.	Outlet Dia.	Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI(H)50-32J-200	3.8	13.1	1450	0.41	0.75	33	2	465x240x340	50	32	43
	6.3	12.5		0.51		42	2				
	7.5	12		0.56		44	2.5				
QI(H)50-32-200A	7	45.3	2900	2.33	4	37	2	465x240x340	50	32	42
	11.7	44		3.05		46	2				
	14	41.5		3.2		49.5	2.5				
QI(H)50-32J-200A	3.5	11.3	1450	0.34	0.55	32	2	465x240x340	50	32	42
	7.9	11		0.44		40.5	2				
	7	10.4		0.46		42.5	2.5				
QI(H)50-32-200B	6.5	39.6	2900	1.95	3	36	2	465x240x340	50	32	41
	10.8	37.5		2.42		45.5	2				
	13	36		2.63		48.5	2.5				
QI(H)50-32J-200B	3.3	9.9	1450	0.28	0.55	31	2	465x240x340	50	32	41
	5.4	9.5		0.36		39	2				
	6.5	9.1		0.39		41.2	2.5				
QI(H)50-32-250	7.5	82	2900	5.87	11	28.5	2	600x320x405	50	32	75
	12.5	80		7.16		38	2				
	15	78.5		7.83		41	2.5				
QI(H)50-32J-250	3.8	20.5	1450	0.91	1.5	23	2	600x320x405	50	32	75
	6.3	20		1.07		32	2				
	7.5	19.5		1.14		35	2.5				
QI(H)50-32-250A	7	72	2900	4.9	7.5	28	2	600x320x405	50	32	74
	11.7	70		5.95		37.5	2				
	14	68.5		6.53		40	2.5				
QI(H)50-32J-250A	3.5	18	1450	0.76	1.1	322.1	2	600x320x405	50	32	74
	5.9	17.5		0.89		31.5	2				
	7	16.5		0.91		34.5	2.5				
QI(H)50-32-250B	6	61.5	2900	3.65	5.5	27.5	2	600x320x405	50	32	73
	10	60		4.48		36.5	2				
	12	58.5		4.9		39	2.5				
QI(H)50-32J-250B	3.2	15.3	1450	0.63	0.75	21.5	2	600x320x405	50	32	73
	5.4	15		0.72		30.5	2				
	6	13.8		0.67		33.5	2.5				
QI(H)65-50-125	15	21.8	2900	1.54	3	58	2	456x210x252	65	50	36
	25	20		1.97		69	2				
	30	18.5		2.22		68	2.5				
QI(H)65-50J-125	7.5	5.35	1450	0.21	0.55	53	2	456x210x252	65	50	36
	12.5	5		0.27		64	2				
	15	4.7		0.3		65	2.5				

Type	Capacity Q	Head H	Speed n	Shaft Power Pa	Motor Power	Eff.	(NPSH) _r	Overall Dimensions L*W*H	Inlet Dia.	Outlet Dia.	Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI(H)65-50J-125A	6.7	4.3	1450	0.15	0.55	52	2	456x210x252	65	50	35
	11.2	4		0.19		63	2				
	13.5	3.8		0.22		64	2.5				
QI(H)65-50J-125B	12.6	14.8	2900	0.93	1.5	54.6	2	456x210x252	65	50	34
	21	13.5		1.19		64.8	2				
	25.2	12.5		1.35		63.5	2.5				
QI(H)65-50-160	15	35	2900	2.65	5.5	54	2	456x240x292	65	50	42
	25	32		3.35		65	2				
	30	30		3.71		66	2.5				
QI(H)65-50J-160	7.5	8.8	1450	0.36	0.75	50	2	456x240x292	65	50	42
	12.5	8		0.45		60	2				
	15	7.2		0.49		60	2.5				
QI(H)65-50-160A	14	30.5	2900	2.15	4	54	2	456x240x292	65	50	41
	23.4	28		2.75		65	2				
	28	26.3		3.04		66	2.5				
QI(H)65-50J-160A	7	7.6	1450	0.29	0.55	50	2	456x240x292	65	50	41
	11.7	7		0.37		60	2				
	14	6.3		0.4		60	2.5				
QI(H)65-50-160B	13	26.3	2900	1.76	3	53	2	456x240x292	65	50	40
	21.7	24		2.22		64	2				
	26	22.5		2.45		65	2.5				
QI(H)65-50J-160B	6.5	6.57	1450	0.24	0.55	49	2	456x240x292	65	50	40
	10.8	6		0.3		59	2				
	13	5.63		0.34		50	2.5				
QI(H)65-40-200	15	53	2900	4.42	7.5	49	2	485x265x340	65	40	45
	25	50		5.67		60	2				
	30	47		6.29		61	2.5				
QI(H)65-40J-200	7.5	13.2	1450	0.63	1.1	43	2	485x265x340	65	40	45
	12.5	12.5		0.77		55	2				
	15	11.8		0.85		57	2.5				
QI(H)65-40-200A	14	46.2	2900	3.59	5.5	49	2	485x265x340	65	40	43
	23.4	44		4.67		60	2				
	18	41		5.13		61	2.5				
QI(H)65-40J-200A	7	11.5	1450	0.51	0.75	43	2	485x265x340	65	40	43
	11.7	11		0.64		55	2				
	14	10.3		0.69		57	2.5				
QI(H)65-40-200B	12.6	37	2900	2.67	4	47.5	2	485x265x340	65	40	41
	21.7	35.5		3.48		58	2				
	24	33		3.64		59	2.5				



Type	Capacity Q	Head H	Speed n	Shaft Power Pa	Motor Power	Eff.	(NPSH)r	Overall Dimensions L*W*H	Inlet Dia.	Outlet Dia.	Weight
	m3/h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI(H)65-40J-200B	6.3	9.1		0.37		42	2				
	10.5	8.6	1450	0.45	0.55	54	2	485x265x340	65	40	41
	12.6	8		0.49		56	2.5				
QI(H)65-40-250	15	82		9.05		37	2				
	25	80	2900	10.89	15	53	2	600x320x405	65	40	77
	30	78		12.02		53	2.5				
QI(H)65-40J-250	7.5	21		1.23		35	2				
	12.5	20	1450	1.48	2.2	48	2	600x320x405	65	40	77
	15	18.5		1.65		48	2.5				
QI(H)65-40-250A	14	72		7.52		36.5	2				
	23.4	70	2900	8.75	11	51	2	600x320x405	65	40	76
	28	68.5		8.95		52.5	2.5				
QI(H)65-40J-250A	7	18		0.98		35	2				
	11.7	17.5	1450	1.24	1.5	45	2	600x320x405	65	40	76
	14	17		1.38		47	2.5				
QI(H)65-40-250B	12.5	59		5.58		36	2				
	21	56	2900	6.67	7.5	48	2	600x320x405	65	40	75
	25	53.5		7		52	2.5				
QI(H)65-40J-250B	6	15.5		0.734		34.5	2				
	10	14	1450	0.87	1.1	44	2	600x320x405	65	40	75
	12	13.5		0.96		46	2.5				
QI(H)65-40-315	15	127		18.5		28	2.5				
	25	125	2900	21.3	30	40	2.5	625x345x450	65	40	85
	30	123		22.8		44	3				
QI(H)65-40J-315	7.5	32.3		2.63		25	2.5				
	12.5	32	1450	2.94	4	37	2.5	625x345x450	65	40	85
	15	31.7		3.16		41	3				
QI(H)65-40-315A	14.3	115.4		17.98		28	2.5				
	23.9	114	2900	18.78	22	38.55	2.5	625x345x450	65	40	83
	28.7	112.6		20.23		43.5	3				
QI(H)65-40J-315A	7	29		2.25		25	2.5				
	11.7	28.5	1450	2.49	3	36.5	2.5	625x345x450	65	40	83
	14	28		2.64		40.5	3				
QI(H)65-40-315B	13.6	104.7		13.85		28	2.5				
	22.7	103	2900	16.33	18.5	39	2.5	625x345x450	65	40	81
	27.7	101		17.4		43	3				
QI(H)65-40J-315B	6.5	26.2		1.84		25	2.5				
	10.8	24	1450	1.96	2.2	36	2.5	625x345x450	65	40	81
	13	23		2.04		40	3				

Type	Capacity Q	Head H	Speed n	Shaft Power Pa	Motor Power	Eff.	(NPSH) _r	Overall Dimensions L*W*H	Inlet Dia.	Outlet Dia.	Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI(H)65-40-315C	12	12.52	2900	11.19	15	27	2.5	625x345x450	65	40	79
	20	92.5		13.02		38.5	2.5				
	24	89		13.69		42.5	3				
QI(H)65-40J-315C	6	23	1450	1.5	2.2	25	2.5	625x345x450	65	40	79
	10	22.5		1.7		36	2.5				
	12	22		1.8		40	3				
QI(H)80-65-125	30	22.5	2900	2.87	5.5	64	3	485x240x292	80	65	38
	50	20		3.63		75	3				
	60	18		3.97		74	3.5				
QI(H)80-65J-125	15	5.6	1450	0.42	0.75	55	2.5	485x240x292	80	65	38
	25	5		0.48		71	2.5				
	30	4.5		0.51		72	3				
QI(H)80-65-125A	26.8	18	2900	2.09	4	63	3	485x240x292	80	65	37
	44.7	16		2.63		74	3				
	53.6	14.4		2.9		72.5	3.5				
QI(H)80-65J-125A	13.4	4.5	1450	0.3	0.55	54.5	2.5	485x240x292	80	65	37
	22.4	4		0.35		70	2.5				
	26.9	3.6		0.37		71	3				
QI(H)80-65J-125B	26	16.4	2900	1.93	3	60	3	485x240x292	80	65	36
	43.4	14.6		2.43		71	3				
	52	13.1		2.67		69	3.5				
QI(H)80-65-160	30	36	2900	4.82	7.5	61	2.5	485x265x340	80	65	44
	50	32		5.97		73	2.5				
	60	29		6.58		72	3				
QI(H)80-65J-160	15	9	1450	0.67	1.5	55	2.5	485x265x340	80	65	44
	25	8		0.79		69	2.5				
	30	7.2		0.86		68	3				
QI(H)80-65-160A	27	3.05	2900	3.74	5.5	60	2.5	485x265x340	80	65	43
	45	27		4.6		72	2.5				
	54	24.5		50.7		71	3				
QI(H)80-65J-160A	14	7.9	1450	0.56	1.1	54	2.5	485x265x340	80	65	43
	23.4	7		0.67		67	2.5				
	28.1	6.3		0.73		66	3				
QI(H)80-65-160B	24	25	2900	2.77	4	59	2.5	485x265x340	80	65	42
	40	22		3.42		70	2.5				
	48	19.5		3.69		69	3				
QI(H)80-65J-160B	13	6.8	1450	0.45	0.75	53	2.5	485x265x340	80	65	42
	21.7	6		0.54		66	2.5				
	26	5.4		0.59		65	3				



Type	Capacity Q	Head H	Speed n	Shaft Power Pa	Motor Power	Eff.	(NPSH)r	Overall Dimensions L*W*H	Inlet Dia.	Outlet Dia.	Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI(H)80-50-200	30	53	2900	7.87	15	55	2.5	485x265x340	80	50	47
	50	50		9.87		69	2.5				
	60	47		10.8		71	3				
QI(H)80-50J-200	15	13.2	1450	1.06	2.2	51	2.5	485x265x340	80	50	47
	25	12.5		1.31		65	2.5				
	30	11.8		1.44		67	3				
QI(H)80-50-200A	28.1	46.6	2900	6.54	11	54.5	2.5	485x265x360	80	50	46
	46.8	44		8.37		67	2.5				
	56.2	41.4		9.12		69.5	3				
QI(H)80-50J-200A	14	11.6	1450	0.88	1.5	50.5	2.5	485x265x360	80	50	46
	23.4	11		1.11		63	2.5				
	28	10.4		1.22		65	3				
QI(H)80-50-200B	25	40.2	2900	5.07	7.5	54	2.5	485x265x360	80	50	45
	41.5	38		6.51		66	2.5				
	50	35.7		7.1		68.5	3				
QI(H)80-50J-200B	12.5	10	1450	0.68	1.1	50	2.5	485x265x360	80	50	45
	20.5	9.5		0.86		61.5	2.5				
	25	9		0.98		62.5	3				
QI(H)80-50-250	30	84	2900	13.2	22	52	2.5	625x320x405	80	50	81
	50	80		17.3		63	2.5				
	60	75		19.2		64	3				
QI(H)80-50J-250	15	21	1450	1.75	3	49	2.5	625x320x405	80	50	81
	25	20		2.27		60	2.5				
	30	18.8		2.52		61	3				
QI(H)80-50-250A	28.1	73.6	2900	10.8	18.5	52	2.5	625x320x405	80	50	79
	46.8	70		14.3		62.5	2.5				
	56.2	65.7		15.7		64	3				
QI(H)80-50J-250A	14	18.4	1450	1.43	2.2	49	2.5	625x320x405	80	50	79
	23.4	17.5		1.89		59	2.5				
	28	16		2.03		60	3				
QI(H)80-50-250B	26	63	2900	8.75	15	51	2.5	625x320x405	80	50	77
	43.3	60		11.41		62	2.5				
	52	56.2		12.64		63	3				
QI(H)80-50J-250B	12	15.75	1450	1.06	1.5	48.5	2.5	625x320x405	80	50	77
	20	15		1.4		58	2.5				
	24	12.5		1.38		59	3				
QI(H)80-50-315	30	128	2900	25.5	37	41	2.5	625x345x505	80	50	90
	50	125		31.5		54	2.5				
	60	123		35.3		57	3				

Type	Capacity Q	Head H	Speed n	Shaft Power Pa	Motor Power	Eff.	(NPSH) _r	Overall Dimensions L*W*H	Inlet Dia.	Outlet Dia.	Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI(H)80-50J-315	15	32.5	1450	3.4	5.5	39	2.5	625x345x505	80	50	90
	25	32		4.19		52	2.5				
	30	31.5		4.6		56	3				
QI(H)80-50-315A	28.7	116.9	2900	22.3	37	41	2.5	625x345x505	80	50	88
	47.7	114		27.4		54	2.5				
	57.3	112.3		30.7		57	3				
QI(H)80-50J-315A	14.3	29.2	1450	2.91	5.5	39	2.5	625x345x505	80	50	88
	23.8	28.5		3.55		52	2.5				
	28.7	28		3.91		56	3				
QI(H)80-50-315B	27.2	105.5	2900	19.06	30	41	2.5	625x345x505	80	50	86
	45.4	103		23.8		53.5	2.5				
	54.5	101.4		26.64		56.5	3				
QI(H)80-50J-315B	13.6	26.4	1450	2.51	4	39	2.5	625x345x505	80	50	86
	22.7	25.8		3.07		52	2.5				
	27.2	25.4		3.36		56	3				
QI(H)80-50-315C	24	92	2900	15.03	22	40	2.5	625x345x505	80	50	84
	40	89		18.29		53	2.5				
	48	87		21		54	3				
QI(H)80-50J-315C	12.9	23.5	1450	2.12	3	39	2.5	625x345x505	80	50	84
	20	23		2.43		51.5	2.5				
	24	22		2.6		55.5	3				
QI(H)100-80J-125	30	6	1450	0.77	1.5	64	4	485x280x340	100	80	44
	50	5		0.91		75	4.5				
	60	4		0.92		71	5				
QI(H)100-80-125A	53.7	19.2	2900	4.53	7.5	62	4	485x280x340	100	80	43
	89.4	16		5.26		74	4.5				
	107.5	14.8		6.37		68	5				
QI(H)100-80J-125A	26.9	4.8	1450	0.62	1.1	57	2.5	485x280x340	100	80	43
	44.7	4		0.74		66	2.5				
	53.7	3.7		0.85		64	3				
QI(H)100-80-160	60	38	2900	8.4	15	70	3.5	600x280x360	100	80	63
	100	32		11.2		78	4				
	120	28		12.2		75	4.5				
QI(H)100-80J-160	30	9.2	1450	1.12	2.2	67	2	600x280x360	100	80	63
	50	8		1.45		75	2.5				
	60	6.8		1.57		71	3.5				
QI(H)100-80-160A	56.1	33.2	2900	7.3	11	69.5	3.5	600x280x360	100	80	62
	93.5	28		9.2		77.5	4				
	112.2	24.5		10.1		74	4.5				



Type	Capacity Q	Head H	Speed n	Shaft Power Pa	Motor Power	Eff.	(NPSH) _r	Overall Dimensions L*W*H	Inlet Dia.	Outlet Dia.	Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI(H)100-80J-160A	28.1	8		0.92		66.5	2				
	46.8	7	1450	1.21	1.5	74	2.5	600x280x360	100	80	62
	56.1	6		1.31		70	3.5				
QI(H)100-80-160B	5	28.4		5.68		68	3.5				
	83	24	2900	6.5	7.5	76.5	4	600x280x360	100	80	61
	100	19		7		73	4.5				
QI(H)100-80J-160B	24.5	6.8		0.69		66	2				
	41	5.3	1450	0.81	1.1	73.5	2.5	600x280x360	100	80	61
	49	4.5		0.87		69	3.5				
QI(H)100-65-200	60	54		13.6		65	3				
	100	50	2900	17.9	22	76	3.6	600x320x405	100	65	74
	120	47		19.9		77	4.8				
QI(H)100-65J-200	30	13.5		1.84		60	2				
	50	12.5	1450	2.33	4	73	2	600x320x405	100	65	74
	60	11.8		2.61		74	2.5				
QI(H)100-65-200A	56.1	47.6		11.17		65	3				
	93.5	44	2900	14.48	18.5	75.5	3.6	600x320x405	100	65	73
	112	41.4		16.47		77	4.8				
QI(H)100-65J-200A	28	11.9		1.51		60	2				
	46.8	11	1450	1.93	3	72.5	2	600x320x405	100	65	73
	56	10.4		2.16		73.5	2.5				
QI(H)100-65-200B	52	41		8.9		65	3				
	86.6	38	2900	12.1	15	74	3.6	600x320x405	100	65	72
	104	35.7		13.4		75.5	4.8				
QI(H)100-65J-200B	26	10.3		1.21		60	2				
	43.3	9.5	1450	1.56	2.2	72	2	600x320x405	100	65	72
	52	9		1.74		73.2	2.5				
QI(H)100-65-250	60	87		23.4		61	3.5				
	100	80	2900	30.3	37	72	3.8	625x360x450	100	65	87
	120	74.5		33.4		73	4.8				
QI(H)100-65J-250	30	21.3		3.16		55	2				
	50	20	1450	4	5.5	68	2	625x360x450	100	65	87
	60	19		4.44		70	2.5				
QI(H)100-65-250A	56.1	76		19.35		60	3.5				
	93.5	70	2900	25.5	30	70	3.8	625x360x450	100	65	86
	112	65		28.12		70.5	4.8				
QI(H)100-65J-250A	28	18.6		2.68		53	2				
	46	17.5	1450	3.35	4	65.5	2	625x360x450	100	65	86
	55	16		3.55		67.5	2.5				

Type	Capacity Q	Head H	Speed n	Shaft Power Pa	Motor Power	Eff.	(NPSH) _r	Overall Dimensions L*W*H	Inlet Dia.	Outlet Dia.	Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI(H)100-65-250B	47.5	65.3	2900	15.36	22	55	3.5	625x360x450	100	65	85
	79	60		19.55		66	3.8				
	95	54		20.85		67	4.8				
QI(H)100-65J-250B	24.5	16	1450	2.09	3	51	2	625x360x450	100	65	85
	41	15		2.68		62.5	2				
	49	13.5		2.79		64.5	2.5				
QI(H)100-65-315	60	133	2900	39.6	75	55	3	655x400x505	100	65	104
	100	125		51.6		66	3.6				
	120	118		57.5		67	4.2				
QI(H)100-65J-315	30	34	1450	5.44	11	51	2	655x400x505	100	65	104
	50	32		6.92		63	2				
	60	30		7.67		64	2.5				
QI(H)100-65-315A	56	116	2900	32.2	55	55	3	655x400x505	100	65	102
	94	109		42.6		65.5	3.6				
	112	103		47.2		66.5	4.2				
QI(H)100-65J-315A	28	29.7	1450	4.4	7.5	51	2	655x400x505	100	65	102
	47	27.9		5.66		63	2				
	56	26		6.24		63.5	2.5				
QI(H)100-65-315B	52.4	102	2900	26.5	45	55	3	655x400x505	100	65	100
	87.4	95.7		35		65	3.6				
	105	90.3		39.4		65.5	4.2				
QI(H)100-65J-315B	26.2	26	1450	3.6	7.5	51	2	655x400x505	100	65	100
	23.7	24.5		4.6		62.8	2				
	52.5	23		5.3		62.5	2.5				
QI(H)100-65-315C	48.6	87.3	2900	21	37	55	3	655x400x505	100	65	98
	81	82		28.3		64	3.6				
	97.2	77		31.6		64.5	4.2				
QI(H)100-65J-315C	24.3	22.3	1450	2.9	5.5	51	2	655x400x505	100	65	98
	40.5	21		3.7		62	2				
	48.6	20		4.3		62	2.5				
QI(H)125-100-200	120	57.5	2900	28	45	67	4.5	625x360x480	125	100	128
	200	50		33.6		81	4.5				
	240	44.5		36.4		80	5				
QI(H)125-100J-200	60	14.5	1450	3.63	7.5	52	2.5	625x360x480	125	100	128
	100	12.5		4.48		76	2.5				
	120	11		4.79		75	3				
QI(H)125-10-200A	112.5	50.5	2900	24	37	65	4.5	625x360x480	125	100	126
	187	44		28.4		79	4.5				
	225	39		31		77.5	5				



Type	Capacity Q	Head H	Speed n	Shaft Power Pa	Motor Power	Eff.	(NPSH) _r	Overall Dimensions L*W*H	Inlet Dia.	Outlet Dia.	Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI(H)125-100J-200A	56	12.7	1450	3.2	5.5	61	2.5	625x360x480	125	100	126
	93.5	11		3.8		64	2.5				
	112.5	9.7		4		73.5	3				
QI(H)125-100-200B	95	42	2900	17.38	22	62.5	4.5	625x360x480	125	100	125
	158	35		19.94		75.5	4.5				
	190	30.5		20.9		75.5	5				
QI(H)125-100J-200B	52	11	1450	2.6	4	59	2.5	625x360x480	125	100	125
	86.5	9.5		3.2		71	2.5				
	104.7	8.4		3.5		69	3				
QI(H)125-100-250	120	87	2900	43	75	66	3.8	670x400x505	125	100	144
	200	80		55.9		78	4.2				
	240	72		62.8		75	5				
QI(H)125-100J-250	60	21.5	1450	5.59	11	63	2.5	670x400x505	125	100	144
	100	20		7.17		76	2.5				
	120	18.5		7.85		77	3				
QI(H)125-100-250A	112	76	2900	35	55	66	3.8	670x400x505	125	100	142
	187	70		45.7		78	4.2				
	220	63		51.35		73.5	5				
QI(H)125-100J-250A	56	18.8	1450	4.6	7.5	63	2.5	670x400x505	125	100	142
	93.5	17.5		5.9		76	2.5				
	112	16.2		6.4		77	3				
QI(H)125-100-250B	104	65.3	2900	28	45	68	3.8	670x400x505	125	100	140
	173	60		36.2		78	4.2				
	206	54		41.5		73	5				
QI(H)125-100J-250B	52	16	1450	3.6	5.5	63	2.5	670x400x505	125	100	140
	86.5	15		4.7		75.5	2.5				
	104	13.5		5		76.5	3				
QI(H)125-100-315	120	132.5	2900	72.1	110	60	4	670x400x565	125	100	189
	200	125		90.8		75	4.5				
	240	120		102		77	5				
QI(H)125-100J-315	60	33.5	1450	9.4	15	58	2.5	670x400x565	125	100	189
	100	32		11.9		73	2.5				
	120	30.5		13.5		74	3				
QI(H)125-100-315A	114	121	2900	63	110	59.5	4	670x400x565	125	100	187
	191	114		80.7		73.5	4.5				
	229	109		90		75.5	5				
QI(H)125-100J-315A	57	30.5	1450	8.4	15	56.5	2.5	670x400x565	125	100	187
	95.5	28.5		10.3		72	2.5				
	114	27.8		11.9		72.5	3				

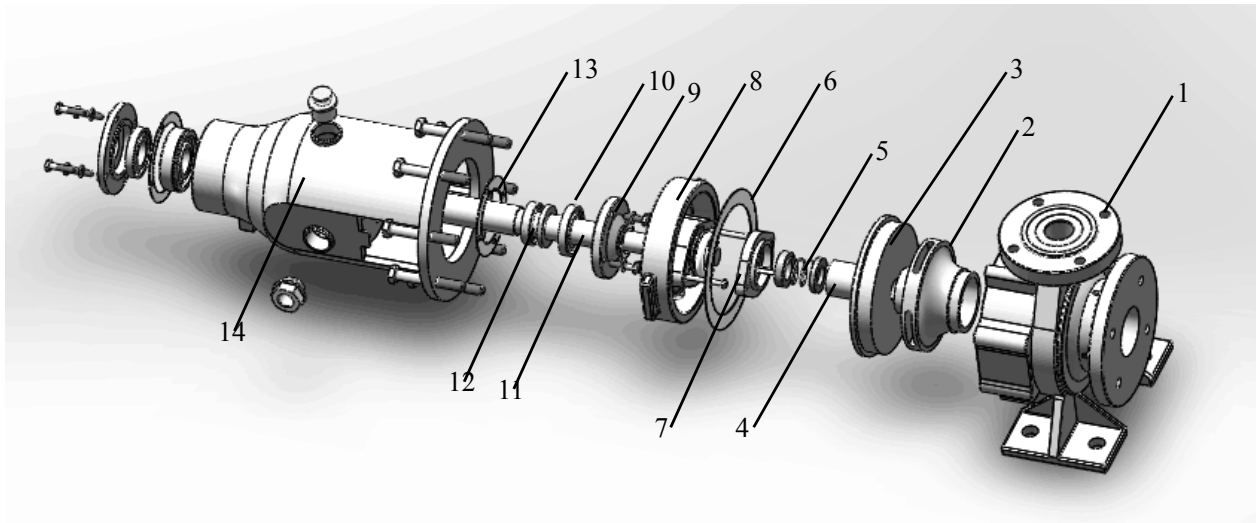
Type	Capacity Q	Head H	Speed n	Shaft Power Pa	Motor Power	Eff.	(NPSH) _r	Overall Dimensions L*W*H	Inlet Dia.	Outlet Dia.	Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI(H)125-100-315B	108	109.8	2900	55.2	90	58.5	4	670x400x565	125	100	185
	181.6	103		71.2		71.5	4.5				
	218	99		78.3		75	5				
QI(H)125-100J-315B	54	27.6	1450	7.4	11	54.5	2.5	670x400x565	125	100	185
	90	25.8		9.03		70	2.5				
	107	24.5		10.06		70	3				
QI(H)125-100-315C	103	98	2900	47.4	75	58	4	670x400x565	125	100	184
	171.6	92		60.6		71	4.5				
	206	88		67.7		73	5				
QI(H)125-100J-315C	51.4	24.7	1450	6.4	11	54	2.5	670x400x565	125	100	184
	85.8	23		7.7		69.5	2.5				
	103	22.5		8.95		70.5	3				
QI(H)125-100-400	60	52	1450	16.1	30	53	2.5	670x500x635	125	100	222
	100	50		21		65	2.5				
	120	48.5		23.6		67	3				
QI(H)125-100-400A	56.3	45.7	1450	13.2	22	53	2.5	670x500x635	125	100	220
	93.5	44		17.2		65	2.5				
	112.5	42.7		19.6		66.8	3				
QI(H)125-100-400B	52	39.5	1450	10.6	18.5	53	2.5	670x500x635	125	100	218
	86.5	38		13.9		64.5	2.5				
	104	37		15.76		66.5	3				
QI(H)150-125-250	120	22.5	1450	10.7	18.5	71	3	670x400x605	150	125	164
	200	20		13.5		81	3				
	240	17.5		14.66		78	3.5				
QI(H)150-125-250A	112	19.7	1450	8.8	15	68.5	3	670x400x605	150	125	162
	187	17.5		11.6		77	3				
	224.7	15.3		12.5		75	3.5				
QI(H)150-125-250B	104	16.9	1450	7.4	11	64.5	3	670x400x605	150	125	160
	173	15		9.4		75	3				
	206	13		10.27		71	3.5				
QI(H)150-125-315	120	34	1450	15.9	30	70	2.5	670x500x635	150	125	184
	200	32		22.1		79	2.5				
	240	29		23.7		80	3				
QI(H)150-125-315A	112	29.7	1450	13	22	69	2.5	670x500x635	150	125	182
	187	28		18.2		78.5	2.5				
	224	25.3		19.5		79	3				
QI(H)150-125-315B	104	25.5	1450	10.5	18.5	68	2.5	670x500x635	150	125	180
	173	24		14.6		77.5	2.5				
	208	21.7		15.76		78	3				



Type	Capacity Q	Head H	Speed n	Shaft Power Pa	Motor Power	Eff.	(NPSH) _r	Overall Dimensions L*W*H	Inlet Dia.	Outlet Dia.	Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI(H)150-125-400	120	53	1450	27.9	45	62	2	670x500x715	150	125	204
	200	50		36.3		75	2.8				
	240	46		40.6		74	3.5				
QI(H)150-125-400A	112	46.6	1450	23	37	62	2	670x500x715	150	125	202
	187	44		30.1		74.5	2.8				
	225	40.4		33.9		73	3.5				
QI(H)150-125-400B	104	40.3	1450	18.5	30	62	2	670x500x715	150	125	200
	173	38		24.19		74	2.8				
	208	35		27.35		72.5	3.5				
QI(H)200-150-250	240	22.5	1450	21.1	37	70	3	690x500x655	200	150	164
	400	20		26.1		82	3.5				
	460	17.5		27.75		79	4				
QI(H)200-150-250A	225	19.7	1450	18	30	67	3	690x500x655	200	150	163
	374	17.5		22.3		80	3.5				
	430	15.3		23		78	4				
QI(H)200-150-250B	209	16.9	1450	14.7	22	65.5	3	690x500x655	200	150	162
	346	15		18.2		77.5	3.5				
	400	13.1		18.5		77	4				
QI(H)200-150-315	240	37	1450	34.6	55	70	3	830x550x715	200	150	195
	400	32		32.5		82	3.5				
	460	28.5		44.6		80	4				
QI(H)200-150-315A	225	32.5	1450	28.9	45	69	3	830x550x715	200	150	193
	374	28		35.4		80.5	3.5				
	430	25		37.3		78.5	4				
QI(H)200-150-315B	209	28	1450	23.3	37	68	3	830x550x715	200	150	191
	346	24		29		78	3.8				
	400	21.4		30.3		77	4.5				
QI(H)200-150-400	240	55	1450	48.6	90	74	3	830x550x765	200	150	220
	400	50		67.2		81	3.8				
	460	45		74.2		76	4.5				
QI(H)200-150-400A	225	48.4	1450	40.6	75	73	3	830x550x765	200	150	218
	374	44		56		80	3.8				
	430	39.6		62.7		74	4.5				
QI(H)200-150-400B	209	41.8	1450	33	55	72	3	830x550x765	200	150	216
	346	38		45.3		79	3.8				
	400	34		51.44		72	4.5				
QI(H)200-150-400C	194	34	1450	25.8	45	69.5	3	830x550x765	200	150	214
	324	3.08		35.6		76.3	3.8				
	372	27.8		39.3		71.4	4.5				

Type	Capacity Q	Head H	Speed n	Shaft Power Pa	Motor Power	Eff.	(NPSH)r	Overall Dimensions L*W*H	Inlet Dia.	Outlet Dia.	Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI(H)250-200-315	380 630 760	35.5 32 29	1480	51.72 64.95 71.43	90	71 84.5 84	5.5		250	200	1280
QI(H)250-200-315A	360 590 720	31.6 28.5 25.8	1480	44.56 55.15 61.29	75	69.5 83 82.5	5.4		250	200	1165
QI(H)250-200-315B	340 560 670	27.7 25 22.6	1480	37.43 46.48 50.58	75	68.5 82 81.5	5.3		250	200	1164
QI(H)250-200-400	380 630 760	52 50 46.7	1480	75.76 101.48 117.11	132	71 84.5 82.5	5.5		250	200	
QI(H)250-200-400A	360 600 720	46.8 45 42	1480	65.99 88.55 101.63	110	69.5 83 81	5.4		250	200	
QI(H)250-200-400B	340 560 680	41.6 40 37.4	1480	56.21 74.36 86.54	110	68.5 82 80	5.3		250	200	
QI(H)250-200-400C	320 530 640	36.4 35 32.7	1480	46.98 62.34 72.11	90	67.5 81 79	5.1		250	200	
QI(H)300-250-315	600 1000 1200	38 32 28	1480	86.2 101.29 107.6	132	72 86 85	7.5		300	250	1845
QI(H)300-250-315A	570 940 1130	33.8 28.5 24.8	1480	74.39 86.82 91.36	110	70.5 84 83.5	7.3		300	250	1720
QI(H)300-250-315B	530 880 1060	29.7 25 21.9	1480	61.66 72.16 76.6	90	69.5 83 82.5	7.1		300	250	1400

Construction:



1.	Casing	2.	Impeller	3.	Back Cover
4.	Shaft Sleeve	5.	Packing(Mechanical Seal)	6.	Wearing Ring
7.	Gland(Mechanical Seal Gland)	8.	Stuffing Box	9.	End Cover
10.	Oil Seal	11.	Shaft	12.	Bearing
13.	End Cover Gasket	14.	Frame		

QI (H) Centrifugal Pump:

Horizontal, End suction with vertical discharge

The pull-back design allows the maintenance work without disturbing the pipeline connected or motor.

Flanges:

The inlet and outlet Flanges is EN1092-1

Impellers:

There are seal rings both in front and the back of the impeller with hole in the impeller.

There are different materials including all kinds of cast iron, stainless steel, bronze and duplex stainless steel or.

Casing:

The casing is made by casing and back cover. The impeller, shaft and shaft sleeve is the rotating. The frame support the rotating work and the bearing stand the power in radial or axial.

Shaft:

The normal shaft is carbon steel with heat treatment to increase its hardness.

Bearing:

Grease Lubricated or Oil Lubricated

Shaft Seal:

Supported gland packing seal and mechanical seal.

Gland Packing: fitted with removable lantern ring and square plaited packing. Packing is fitted over the sleeve to prevent shaft wear.

Mechanical Seal: Silicon Carbide type is the normal one but also support most type in the market.

Driven:

TEFC electric motor or diesel engine.
Supported all brand of motor and all brand of diesel engine.

Spare Parts



Coupling



Stainless steel impeller



Casing



Bronze impeller



Shaft



Cast Iron Impeller



Mechanical Seal



QI (H) End Suction Centrifugal Pump Manual



CAUTION! It is something should be obey or may lead the persona injury or damage in the pump or other equipment related!



The inlet and outlet pipes should have their own brackets! The pipe weight cannot be imposed on the pump and the pump and pipe cannot be installed when they are not on the same line!



The pump should be placed on a solid foundation to withstand the full weight of the pump to remove vibration, tighten all the anchor bolts!



All the whole pump assembly have been adjusted before the various parts of the gap, Please Do Read the Manual Carefully! The Warranty will be invalid under Wrong Operation or Disassemble the Pump without Permit!



With the time flies, the pump parts' tensile strength decreases, it is necessary to pay attention to inspection and replace the spare parts when necessary!



The pump must not be operated for a long time at low or no flow. Otherwise it will cause the pump vibration or even pumping liquid vaporization and damage the pump and equipment related!



Before installing the coupling or belts, check if the steering of the driven is correct and make sure the pump rotate same as the arrow position. It is strictly prohibited reverse operation! Otherwise there will be persona injury or damage in the pump or other equipment related



The pump is a rotating equipment, before installing and maintenance, it must be cut off the power! Otherwise may lead the personal injury!



Maintenance

To make sure the safe operation of the pump set, the operators must pay attention to the daily maintenance work.

The daily work should be including but not limited as below:

1、The Pump Stocking:

When the pump set is not been installed immediately, the shaft should be rotated 1/4 cycle a week at least to let the bearing can bear the static load and external vibration evenly.

The pump set should be stored avoided from the corrosive materials & dry and ventilated warehouse.

2、The Bearing lubrication:

In the bearing components assembled processing, the right assembly and the right amount of lubricating oil will be longer the use life of the pump!

The amount of the bearing oil is that the oil level should be in the centerline of the oil window in the frame.

When the oil level is lower than the centerline of the oil window, the oil should be added immediately.

The lubricated oil is recommended to use #46 in summer and #32 in winter.

The maintenance person should check the bearing components regularly and make sure right lubricated!

Change the oil every 6 month in usual.

3、The Bearing Over Temperature:

Check the bearing assembly operation in time and regularly is necessary.

If the bearing heats up at the beginning of operation, the pump can be stopped and the bearing can be cooled and then run again.

When the bearing is still serious heat after cooled and the temperature continues to rise, the maximum temperature must not exceed 80 °C , the pump should be stopped again.

In usual, the bearing over temperature is always caused by excess oil or impurities in the oil.

The bearing assembly must be stopped to work and dismantled to check when there is any trouble like over temperature.

All the bearing's inner ring must be tight against the shoulder.

Preheat the inner ring of the assembly during assembly, max. Temperature is not allowed over 120 °C .

4、The Pump Assembly & Dismantling

The pump assembling and dismantling have important influence for the pump set operation and service life, so the installing and alignment must be done carefully.

Before assembling or dismantling of the pump, it is necessary to check whether the parts have any influence on the assembly defects and clean them before assembly.



- Tighten connecting bolts and screwed plug to the corresponding parts in advance.
- Tighten connecting bolts and screwed plug to the corresponding parts in advance.
- The "O" ring, paper pad and felt are placed in the corresponding parts in advance.
- Fit wear ring, packing, packing ring and gland in the casing cover in proper order.
- Put rolling bearing on the shaft and then carry it into the bracket to be covered with a gland, Press the rolling bearing and put the water thrower on the shaft.
- Take the shaft sleeve on the shaft and the casing cover on the bracket. Then place impeller, brake gasket and impeller nut and tighten them up, At the last, carry the above components in to the casing and tight connecting bolts on the casing and the casing cover.

In the above assembly process, special attention should be paid to small parts such as flat keys, oil pans, retaining rings, O-rings in the sleeve, etc. that are likely to be missing or misplaced.

The dismantle sequence is the opposite direction to the assembling sequence.

The pump is an equipment of rotating, before installing or maintaining the pump set, the power must be cut off! Otherwise may cause personal injury.

5、Running of the Pump Set:

Before starting, check the entire unit as follows:

The pump should be placed on a solid foundation to withstand the full weight of the pump to remove vibration, tighten all the anchor bolts.

The inlet and outlet pipes should have their own brackets. The pipe weight cannot be imposed on the pump and the pump and pipe cannot be installed when they are not on the same line.

Turn the shaft by hand in the direction of rotation of the pump, Should be able to drive the impeller shaft rotation, there should be no friction.

Check the motor steering, to ensure the pump in the pump body marked by the direction of the arrow, Note that the pump cannot reverse the rotation or resulting in damage to the pump. In the direct drive, the shaft of the pump should be exactly co-centric with the shaft of the electric motor, the belt drive pump shaft and motor shaft shall be parallel, adjust the position of the pulley to make is perpendicular to groove to avoid violent vibration and wear.

As the reason of the static pressure test should be done before leaving the factory.

The shaft seal of the pump set should be checked again before running if they are in right conditions.

To prevent the packing from becoming too tight and causing it to stick to the shaft sleeve, the packing gland bolts will be loosened after testing. The tightness of the packing gland bolts should be adjusted according to the actual situation during initial use.

The packing sealed pump should be adjusted the packing gland to tighten the bolts before the start.

To adjust the tightness of the packing, the leakage from the packing gland at a drop of osmosis as well, when the packing is too tight, the sleeve is easy to heat and consuming more power at the same time, the packing is too loose, the liquid leakage is too big.

The mechanically sealed pump should be used to manually move the coupling or the pulley before use to prevent the sealing surface of the mechanical seal from sticking.

The pump casing should be full of water before running.

Close the gate valve in the pipeline and discharge pipeline pressure gauge until the pump in right operation, then open the valve slowly and the gauge.

Don't start the pump's motor to normal speed directly until test and confirm right pump rotating position.

The standby pumps should be checked in same way as the main pumps.

All rotating parts should be covered by guard.

6、 Stop of the Pump Set:

The gate valves and the gauge should be closed first before stop the pump. Then power off the motor to stop.

When the pump is used during the winter season, it is necessary to drain the medium in the pump after stop it to prevent frost cracking.

7、 The Maintenance Management:

The management in the maintenance work is very important to longer the use life of the pump and short the downtime.

Some easy table record who charge for the pump repair and clearly record when, how and why to stop and repair is the best way but very easy lower your cost in the pump.

Check your record table timely and do the right maintenance schedule.

The pump set should be checked before running every time and do the maintenance work every 3 to 6 months.

Clean and no dusty warehouse and repair work space with experienced worker will cut off your cost in spare parts over 50%.

Pay attention to even small parts like ring and only original manufacturer know its right size and why it should be here, size etc.

The warranty will be invalid when using the parts not original or disassembly the pumps without permission by An Pump.



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