QY Hydraulic Submersible Slurry Pump

Hydraulic submersible slurry pumps are one kind of hydraulic submersible pumps driven by hydraulic. They are ideal for applications were electric power is not available, or variable speed is needed for the slurry application.

The hydraulic submersible pump can be also install agitator to work like submersible dredge pumps, and in some place it also called hydraulic dredge pump. No matter where you are, if there is hydraulic supply the pump will work well.

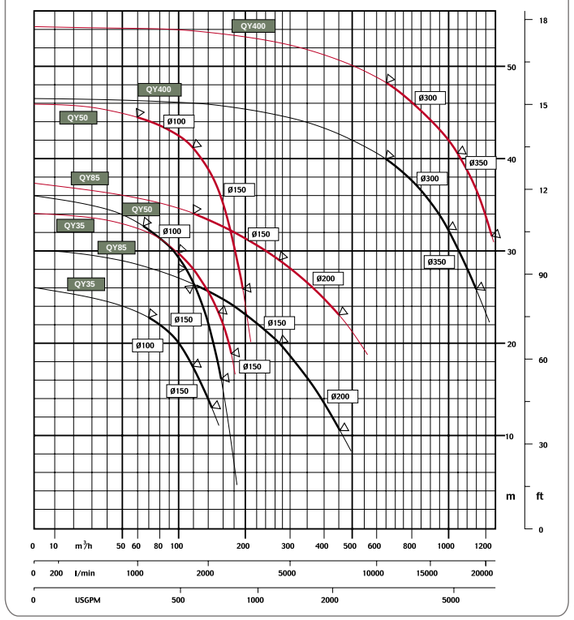
Size range (discharge)	Capacities to	Heads to	Max Power
24mm to 400 mm	1,200m³/hr	50m	400 Hp

★**LARGE SOLID CONTROL -** The pump casing features a large clearance which allows the easy passage of large solids and reduces wear and erosion to improve service life and prevent loss of efficiency.

☆**INTEGRAL AGITATOR -** The 27% chrome white iron agitator assists in the pumping of slurries by breaking up large particles and agitating high concentrations of solids

☆**HEAVY DUTY CONSTRUCTION -** The pump casing, impeller, backplate and agitator are manufactured from high quality 27% chrome white iron. This extremely tough construction material can withstand continuous use in heavy duty applications and allows the pumps to transfer abraisive and dense slurries with minimal wear. The pumps feature a replaceable backplate allowing for simple servicing and easy replacement of worn components.

Heavy Duty Submersible Slurry Pump-Quick selection chart
Approximate clear water performance - to be used for preliminary selection only



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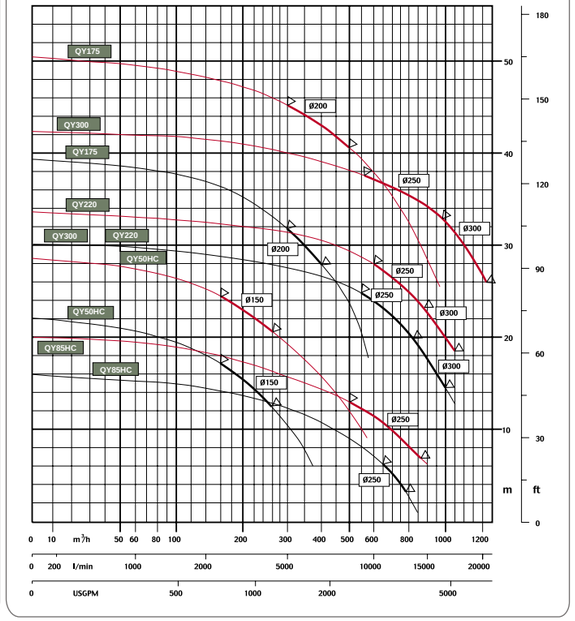

QY Submersible Slurry Pumps Performance

Type	Delivery DN/PN	Capacity (m³/h)	Head (m)	RPM	Power HP min / max	Power kW min/max	Solids handling (ø mm)	Displace-ment (c.c.)	Pressure min/max (Bar)	Oil Capacity min/max (l/min)
QY24	100	60 / 80	18 / 28	1500 / 2000	14 / 26	10 / 19	25	20	210 / 300	30 / 40
QY35A	100 / 10	100 / 120	20 / 28	980 / 1180	25 / 35	18 / 25	35	55	210 / 250	54 / 65
QY35B	150 / 10	140 / 170	14 / 20							
QY50A	100 / 10	90 / 108	30 / 42	980 / 1180	35 / 50	25 / 37	35	75	210 / 250	74 / 89
QY50B	150 / 10	140 / 170	22 / 32							
QY50HC	150 / 10	210 / 250	15 / 21	980 / 1180	35 / 50	25 / 37	60	75	210 / 250	74 / 89
QY85A	150 / 10	200 / 240	22 / 30	980 / 1180	60 / 85	44 / 62	60	108	250 / 300	106 / 130
QY85B	200 / 10	350 / 420	16 / 23							
QY85HC	250 / 10	720 / 860	5 / 7	980 / 1180	60 / 85	44 / 62	90	108	250 / 300	106 / 130
QY175A	200 / 10	350 / 420	30 / 43	750 / 900	117 / 175	75 / 128	60	335	210 / 260	252 / 302
QY220A	250 / 10	720 / 780	22 / 26	600 / 650	150 / 220	110 / 160	120	500	230 / 300	300 / 325
QY220B	300 / 10	900 / 975	18 / 21							
QY300A	250 / 10	720 / 900	22 / 34	600 / 750	150 / 292	110 / 214	120	500	230 / 350	300 / 375
QY300B	300 / 10	900 / 1200	18 / 28							
QY400A	300 / 10	950 / 1000	34 / 42	750 / 850	320 / 400	239 / 295	120	710	270 / 300	535 / 605
QY400B	350 / 10	1100 / 1200	28 / 34							

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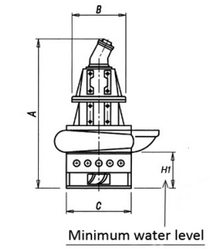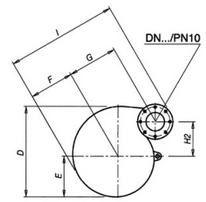
Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H1 (mm)	H2 (mm)	I (mm)	Weight Kg
QY35A/B	1210	420	540	667	323	327	380	270	145	818	500 / 510
QY50A/B	1330	460	600	774	363	374	418	270	298	902	600 / 610
QY50HC	1425	460	540	736	334	350	412	270	282	902	700
QY85A/B	1390	460	548	747	334	362	428	290	197	933	700 / 730
QY85HC	1470	460	548	1020	449	478	485	326	340	1165	1000
QY175A	1895	640	760	985	450	535	545	400	400	1250	1800
QY220A/B	2400	640	1015	1357	576	652	750	470	453	1600	3500 / 3550
QY300A/B										1600	3500 / 3550
QY400A/B	2600	640	1015	1357	576	652	750	470	453	1600	3550 / 3600