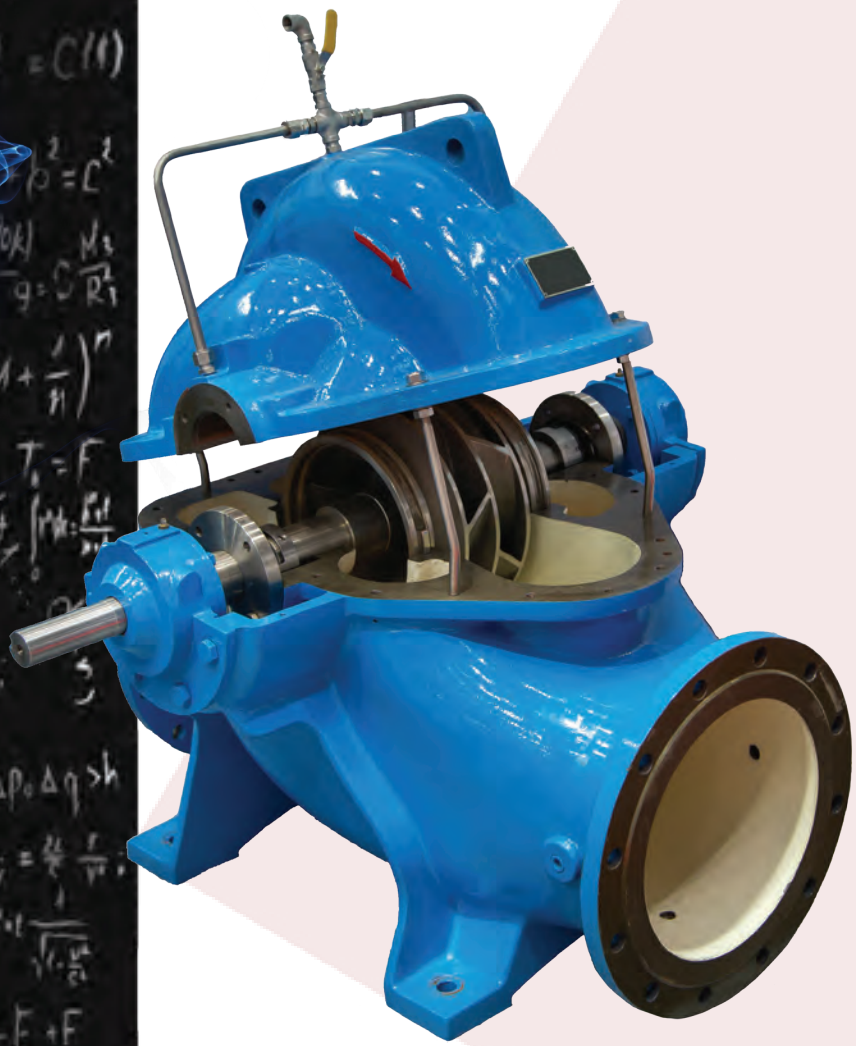
Quantum
Pump Systems Ltd

WATER PUMP RANGE



WE PUMP ENGINEERING SOLUTIONS!

Since 1990, Quantum Pump Systems Ltd has provided Engineering, Manufacturing and Rotating Equipment services around the world, primarily covering diverse sectors such as Oil & Gas, Utilities and Construction.

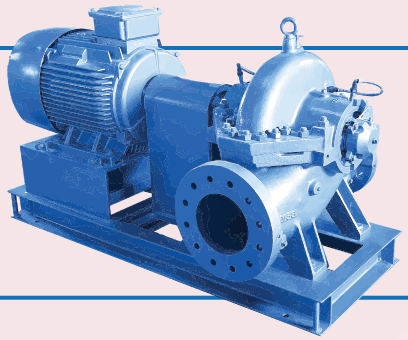
Our company has built a strong reputation for the supply of top-quality rotating and generation equipment, packaged complete with all the ancillary systems engineered to meet individual customer requirements. All built in parts, components, and sub-assemblies with proven quality in similar applications are integrated into our packaged units.

Our highly trained and experienced engineers are readily available to support our customers with after sales service, technical service demands, installation, commissioning, and onsite training works.

Quantum Pump Systems Ltd has a global presence with facilities in the United Kingdom, Malaysia, United Arab Emirates, Turkey and Australia. Our vision is to extend our support worldwide and supply high quality products and related services to our esteemed customers.

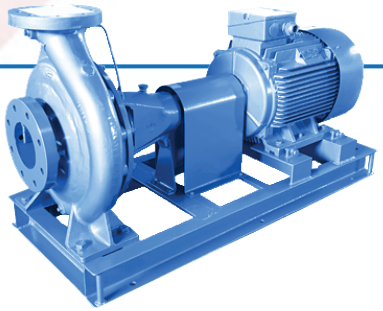
We keep stock of a wide range of fast-moving goods and essential spare parts to aid urgent requirements.

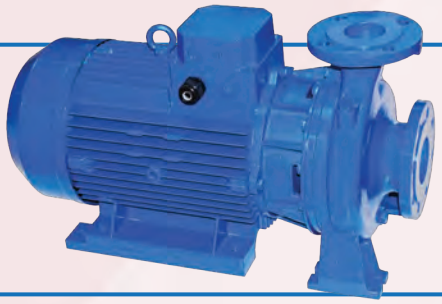
Quantum also specializes in Reverse Engineering. Our fully equipped Reserve Engineering division at multiple Quantum facilities focus on re-engineering custom modifications or obsolete original parts requirements, bring it back to working order, testing, and certifying it back to its original standards.



Split-Case Pumps

End-Suction Pumps
– Long Coupled





End-Suction Pumps
– Close Coupled

Vertical In-Line Pumps

Vertical Multistage Pumps

Vertical Turbine Pumps

Submersible Pumps

Quantum's Split-Case Pump Series is of the axially split-case design for easy maintenance access without disturbing the pipeline. Double entry impellers reduce end thrust, increase efficiency and bearing life. The pumps come in various materials of construction & shaft seal options including custom selection to cater customers specific requirements. Heavy duty, grease-lubricated bearings fitted as standard or oil lubrication as option.

Temperature range: -10°C - 120°C

Capacity: up to 10,000 m^3/hr.

Head: up to 200 m

Seal: Gland Packing & Mechanical Seal

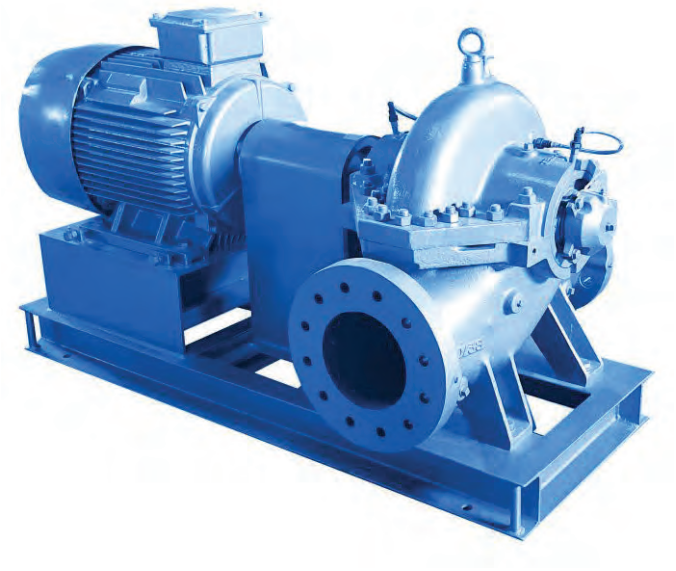


Fig.1.1 – Quantum Split-Case Pump

MOC - Split-Case Pumps		
S.No	**Name**	**Material**
1	Casing	Cast Iron
		Ductile Iron
		Stainless Steel (SS 316)
		Stainless Steel (SS 316L)
		Duplex Stainless Steel
2	Impeller	Stainless Steel (SS 304)
		Bronze
		Ductile Iron
		Stainless Steel (SS 316)
		Stainless Steel (SS 316L)
		Duplex Stainless Steel
3	Shaft	Stainless Steel (SS 420)
		Stainless Steel (SS 316)
		Alloy Steel

Applications:

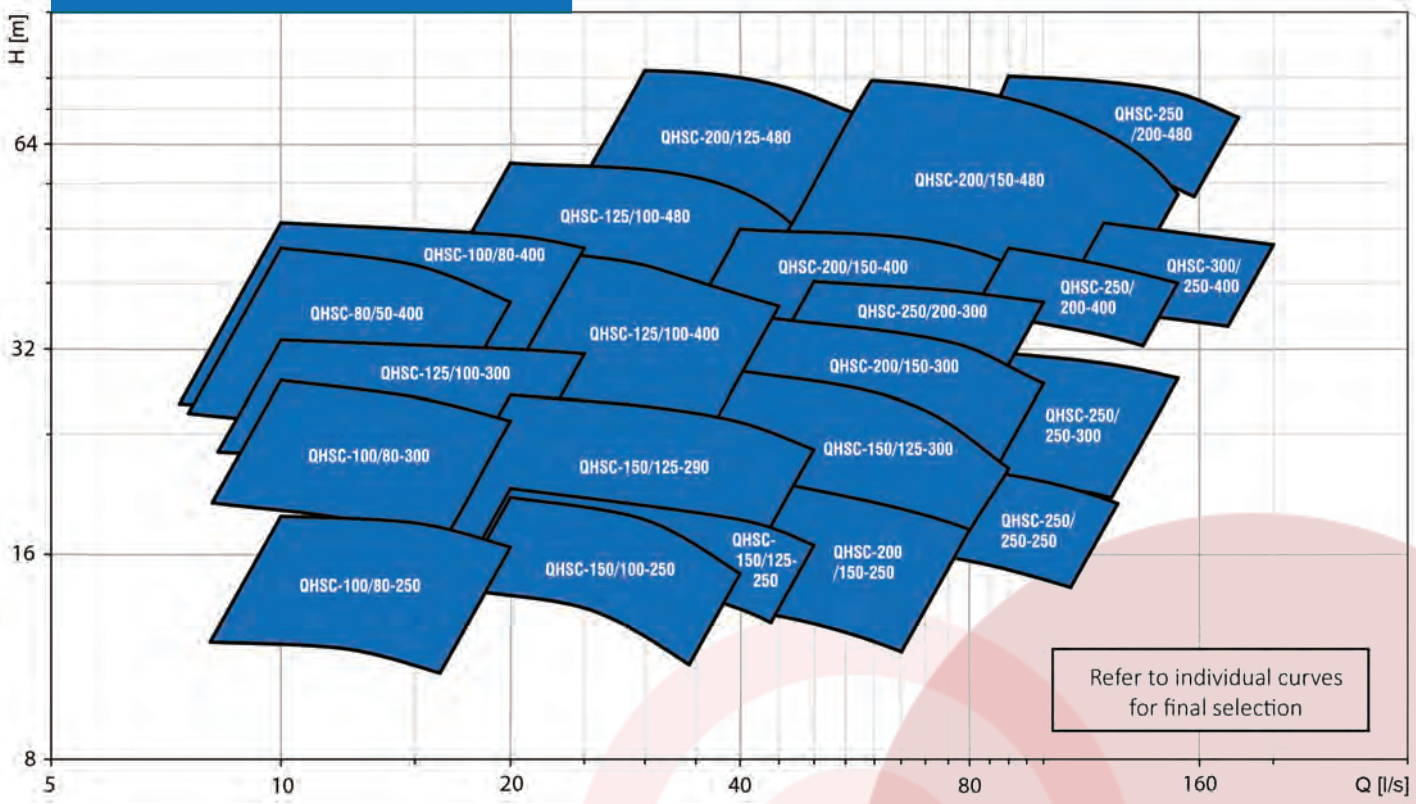
- Water Supply
- Cooling Water System
- Fire Fighting System
- Oil & Gas
- Industrial Plant & Refineries
- Irrigation
- Water Treatment & Supply
- Marine
- Metallurgy

Model Breakdown

QHSC X - 125 / 100 - 300

- 300 — Impeller Diameter (mm)
- 100 — Discharge Diameter (mm)
- 125 — Suction Diameter (mm)
- X — Digit For Internal Factory Coding
- QHSC — Horizontal Split-Case Water Pump Series

QHSC Series Range – 1450 RPM



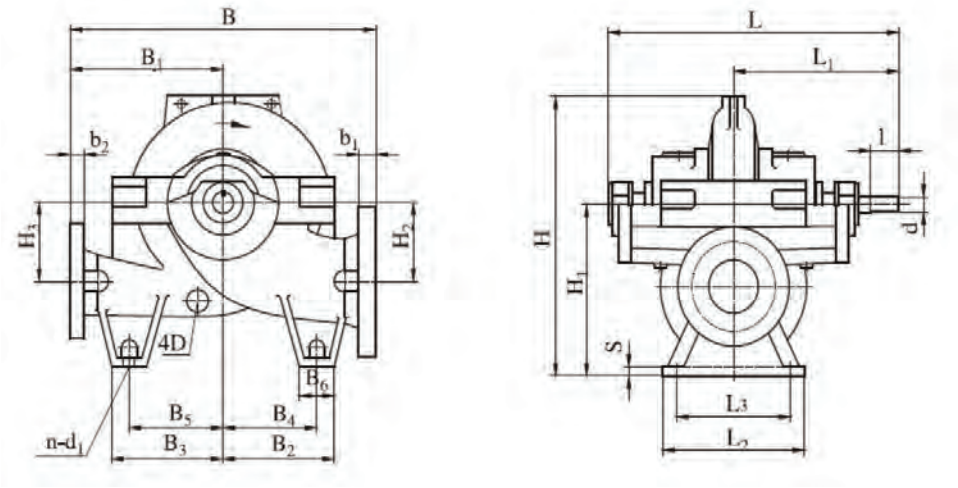


Fig. 1.2 – Split-Case Pump Drawing

Pump Model	Range		Pump Dimensions (mm)																	Sha		Weight (Kg)
	Inlet	Outlet	L	L1	B	B1	H	H1	H2	H3	L2	L3	B2	B3	B4	B5	B6	S	n-d1	l	d	
QHSC-125/80-200	125	80	715	415	600	300	483	315	140	140	320	270	205	205	170	170	70	25	4xϕ19	80	35	185
QHSC-125/80-300							505															195
QHSC-125/80-350					660	330	540															205
QHSC-150/100-250	150	100	715	415	660	330	550	355	170	170	320	270	235	235	200	200	70	25	4xϕ19	80	35	210
QHSC-150/100-300							580															225
QHSC-150/100-400					740	370	615															245
QHSC-200/125-300	200	125	881	515	740	370	630	400	200	200	390	340	260	260	225	225	70	25	4xϕ23	100	45	275
QHSC -200/125-385							660															300
QHSC-200/125-480					900	450	705						315	315	280	280						335
QHSC-200/150-300	200	150	881	515	800	400	645	400	200	200	390	340	260	260	225	225	70	25	4xϕ23	100	45	350
QHSC-200/150-350							665															360
QHSC-200/150-450			989	590	900	450	705				480	430	315	315	280	280				125	55	440
QHSC-200/150-560					1100	500	870	500	300	300			385	385	350	350			4xϕ27			650
QHSC-250/200-350	250	200	989	590	900	450	785	500	240	240	480	430	315	315	280	280	70	25	4xϕ23	125	55	450
QHSC-250/200-400					1000	500	810															520
QHSC-250/200-550			1119	655	1100	500	930	560	300	300			385	385	350	350	100	32	4xϕ27	140	65	840
QHSC-250/200-650					1200	550	1030	600	350	350		400	400	400								990
QHSC-300/250-400	300	250	119	655	1000	500	920	600	300	300	480	400	400	400	350	350	100	32	4xϕ27	140	65	665
QHSC-300/250-475			1245	730	1100	550	955	600			600	520							4xϕ34	160	75	830
QHSC-300/250-600					1200	550	1045	630	350	350												1215
QHSC-350/300-350	350	300	1119	655	1050	500	990	630	300	300	480	400	400	400	350	350	100	32	4xϕ27	140	65	630
QHSC-400/300-450	400	300	1245	730	1200	550	1035	670	350	350	600	520	400	400	350	350	100	32	4xϕ34	160	75	905
QHSC-400/300-550			1395	810	1350	650	1140	710					525	525	475	475				180	85	1425
QHSC-400/300-700					1400	650	1230	750	400	400												1690
QHSC-400/350-400	400	350	1245	730	1200	550	1080	670	350	350	600	520	400	400	350	350	100	32	4xϕ34	160	75	865
QHSC-400/350-450			1395	810	1400	650	1215	750	400	400			525	525	475	475				180	85	1285
QHSC-400/350-520					1350		1170															1395

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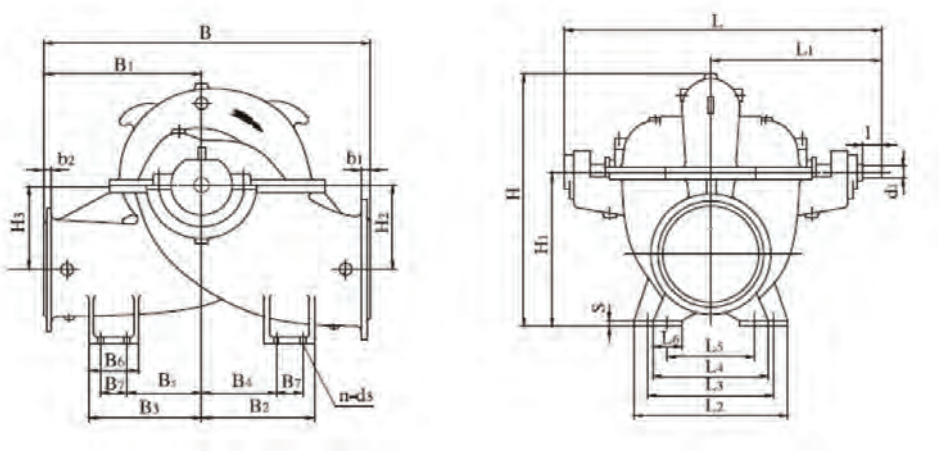

Fig. 1.3 – Split-Case Pump Drawing

Pump Model	Range		Pump Dimensions (mm)																				Sha		Weight (Kg)
	Inlet	Outlet	L	L1	B	B1	H	H1	H2	H3	L2	L3	L4	L5	L6	B2	B3	B4	B5	B6	b7	S	n-d1	l	d	
QHSC-500/400-550	500	400	1660	940	1450	700	1320	820	400	460	950	800	700	550	200	600	550	470	425	250		35	4xϕ35	210	85	2400
QHSC-500/400-600			1695	955	1500		1380	850	490	490						650		525							95	2750
QHSC-500/400-700			1620	945	1700	800	1470	900	450	450	730	630	730	630		640	640	565	565			30	4xϕ36	250		2800
QHSC-500/400-950			2170	1210	2000	1000	1610	960	550	550	740		740													3500
QHSC-600/500-550	600	500	1845	1025	1400	550	1460	900	475	475	1100	940	800	640	200	550	400	325	375	300	150	35	8xϕ36	190	75	1550
QHSC-600/500-650			2015	1115	1650	800	1520	920	495	495						600	600	375	375					210	95	2300
QHSC-600/500-710			1975	1090	1900	850	1620	1000	550	550	1200	1000	800	600		750	650	525	425				8xϕ33	230	105	2300
QHSC-600/500-800			2075	1175		900	1710	1050	600	600		1040	825	655		800	700	575	475					250	115	3500
QHSC-600/500-900			2130	1210	2000	950	1810	1100	650	650	1100	940	850	680		850	750	625	525					290	135	4670
QHSC-700/600-550	700	600	1965	1080	2000	900	1860		610	610	1200	850	800	550	220	800	700	575	475	300	150	40	8xϕ36	190	75	2750
QHSC-700/600-600			1900	1060		1000	1700	1050	545	545							800		575					225	85	3000
QHSC-700/600-680			2277	1240	1835	785	1820	1100	600	600		1020		640		750	600	525	375					200	105	4200
QHSC-700/600-700			2090	1160	2100	1100	1700	1050	545	545			900	720		800	800		575					230		3450
QHSC-700/600-900			2275	1275	2300	1200	1860	1100	580	580		1000					900	575	675					250	115	4700
QHSC-800/700-560	800	700	2390	1300	2100	800	1870	1150	600	600	1200	1000	900	700	250	900	600	625	325	350	200	40	8xϕ36	210	95	4000
QHSC-800/700-700			2490	1360	2350	1150	1920	1170	620	620							900		625					230	105	5300
QHSC-800/700-850			2600	1440	2500	1250	2050	1200	650	650						950	950	675	675					305	125	6100
QHSC-900/800-680	900	800	2590	1410	2350	950	2150	1380	770	770	1300	1100	1000	800	280	900	750	575	425	400	250	40	8xϕ36	230	105	6500
QHSC-900/800-800							2300																			7100
QHSC-900/800-900			2768	1500	2450	1050	2350		800	800												50		210	135	9100
QHSC-900/800-850			2680		2525	1125	2260	1360	770	770						950	900	625	575			40		310	115	6650
QHSC-900/800-1000			2850	1580	2700	1300	2220	1370	760	760						1000	1000	675	675						135	7800
QHSC-1000/900-1000	1000	900	3245	1780	2900	1300	2915	1650	975	975	1400	1150	1100	850	300	1200	1000	910	710	400	180	50	8xϕ42	300	170	11120
QHSC-1000/900-1050																										11250
QHSC-1000/900-1150																										11950
QHSC-1200/1000-1200	1200	1000	3405	1830	3100	1300	3195	1820	1040	1040	2000	1750	1600	1350				870	670	450	210	50	8xϕ42	250		16100

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Quantum's End-Suction Pump Series is a simple and cost-effective solution for a wide range of pumping applications such as HVAC, circulating water systems, firefighting, power plants, irrigation, general services, etc. Robust design, complying with international standards, comes in various materials of construction & shaft seal options including custom selections for customers specific requirements.

The Back pull out design allows easy access and minimizes down time during maintenance. The Impeller is carefully crafted to provide optimum efficiency. It comes with both grease lubricating and oil lubricating options.

Quantum has numerous standard and bespoke options for construction materials, pump discharge positioning and a large operating range.

Temperature range: -50°C - 350°C

Capacity: up to 3500 m3/hr.

Head: up to 225m

Seal Type: Gland Packing & Mechanical Seal

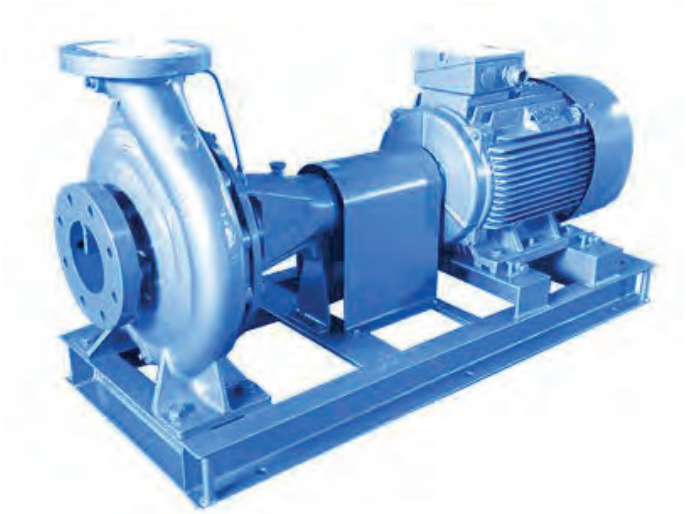
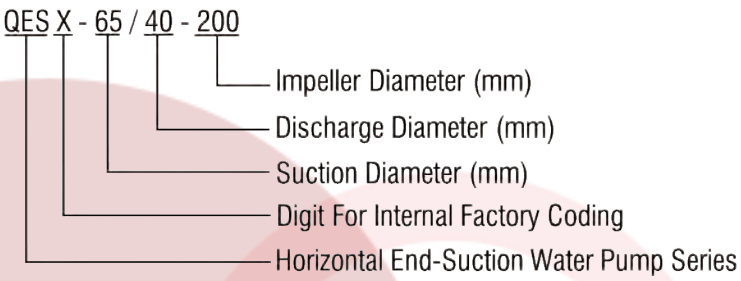


Fig.2.1 – Quantum End-Suction Pump

Model Breakdown



Applications:

- Water Supply
- Cooling Water System
- Fire Fighting System
- Oil & Gas
- Industrial Plant & Refineries
- Irrigation
- Water Treatment & Supply
- Marine
- Metallurgy

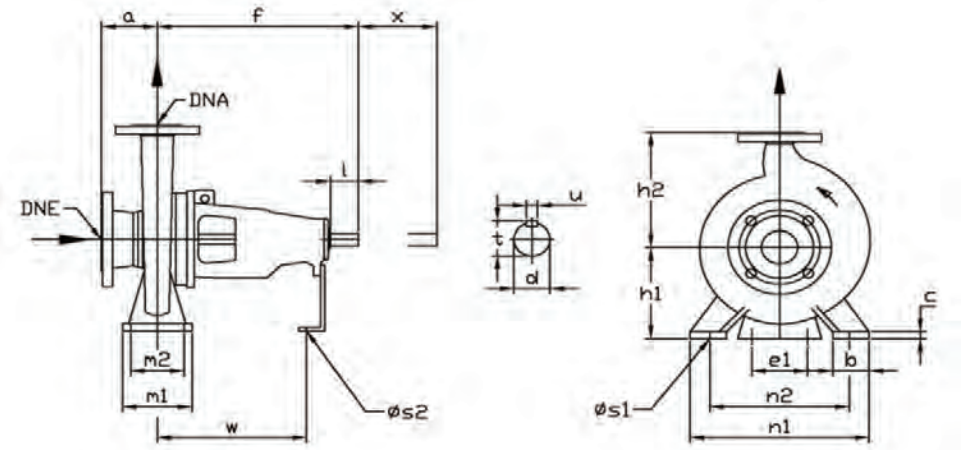


Fig. 2.2 – End-Suction Pump Drawing

Pump Model	SHAFT UNIT	DNE	DNA	Pump Dimensions (mm)																			Weight (Kg)
				a	f	h1	h2	b	c	e1	m1	m2	n1	n2	s1	s2	w	d	l	t	u	x	
QES-50/32-130	25	50	32	80	360	112	140	50	14	110	100	70	190	140	14	14	267	24	50	27	8	140	28
QES-50/32-160	25					132	160						240	190									36
QES-50/32-200	25					160	180																43
QES-50/32-260	25			100		180	225	65			125	95	320	250									63
QES-65/40-130	25	65	40	80	360	112	140	50	14	110	100	70	210	160	14	14	267	24	50	27	8	140	31
QES-65/40-160	25					132	160						240	190									37
QES-65/40-200	25			100		160	180						265	212									46
QES-65/40-260	25					180	225	65			125	95	320	250									63
QES-65/40-320	35			125	470	200							345	280			342	32	80	35	10		96
QES-65/50-130	25	65	50	100	360	132	160	50	14	110	100	70	240	190	14	14	267	24	50	27	8	140	34
QES-65/50-160	25					160	180						265	212									38
QES-65/50-200	25						200																48
QES-65/50-260	25					180	225	65			125	95	320	250									65
QES-65/50-320	35			125	470	225	280	65	16				345	280			342	32	80	35	10		101
QES-80/65-130	25	80	65	100	360	160	180	65	14	110	125	95	280	212	14	14	267	24	50	27	8	140	40
QES-80/65-160	25						200																44
QES-80/65-200	25					180	225						320	250									54
QES-80/65-260	25				470	200	250	80	16		160	120	360	280	18		342	32	80	35	10		83
QES-80/65-320	35			125		225	280						400	315									110
QES-100/80-160	25	100	80	125	360	180	225	65	14	110	125	95	320	250	14	14	267	24	50	27	8	140	55
QES-100/80-200	35						250						345	280									72
QES-100/80-260	35				470	200	280	80	16		160	120	400	315	18		342	32	80	35	10		92
QES-100/80-320	35					250	315																120
QES-100/80-400	45				520	280	355	85						355			370	42	110	45	12		162
QES-125/100-200	35	125	100	125	470	200	280	80	16	110	160	120	360	280	18	14	342	32	80	35	10	140	87
QES-125/100-260	35			140		225	280						400	315									110
QES-125/100-320	35					250	315																134
QES-125/100-400	45				530	280	355	100	18		200	150	500	400	23		370	42	110	45	12		177
QES-150/125-200	35	150	125	140	470	250	315	80	16	110	160	120	400	315	18	14	342	32	80	35	10	140	112
QES-150/125-260	35						355																115
QES-150/125-320	45				530	280		100	18		200	150	500	400	23		370	42	110	45	12		190
QES-150/125-400	45					315	400																190
QES-150/125-500	60			160	670	375	500	120	25	140			550	450			511	55		59	16	180	225
QES-200/150-200	35/1	200	150	160	495	280	400	100	20	110	200	150	550	450	23	14	342	32	80	35	10	140	154
QES-200/150-260	45				530	250	355		18				450	350			370	42	110	45	12		152
QES-200/150-320	45					280	400						550	450									175
QES-200/150-400	45					315	450																210
QES-200/150-500	60			180	670	375	500	120	25	140							511	55		59	16	180	320
QES-200/200-260	45/1	200	200	180	575	280	400	100	25	110	200	150	500	400	22	14	435	42	110	45	12	180	207
QES-250/200-320	55	250		200	670	355	450		20				550	450	23		511	48		51	14		240
QES-250/200-400	55					355	500	120															350
QES-250/200-500	60			210	675	400	500	160	30	140	300	240	720	600	27			55		59	16		530
QES-300/250-320	55	300	250	200	670	355	525	100	24	110	250	175	600	500	23	14	511	48	110	51	14	180	370
QES-300/250-400	60			250	670	400	500	120	25		300	250	710	600	23		511	55		59	16		457
QES-300/250-500	75			240	875	425	545	160	30	140	300	200	720	600	27	19	625	70	140	75	20		646
QES-350/300-400	75	350	300	280	875	500	600	150	40	140	300	200	800	660	27	19	625	70	140	75	20	180	720

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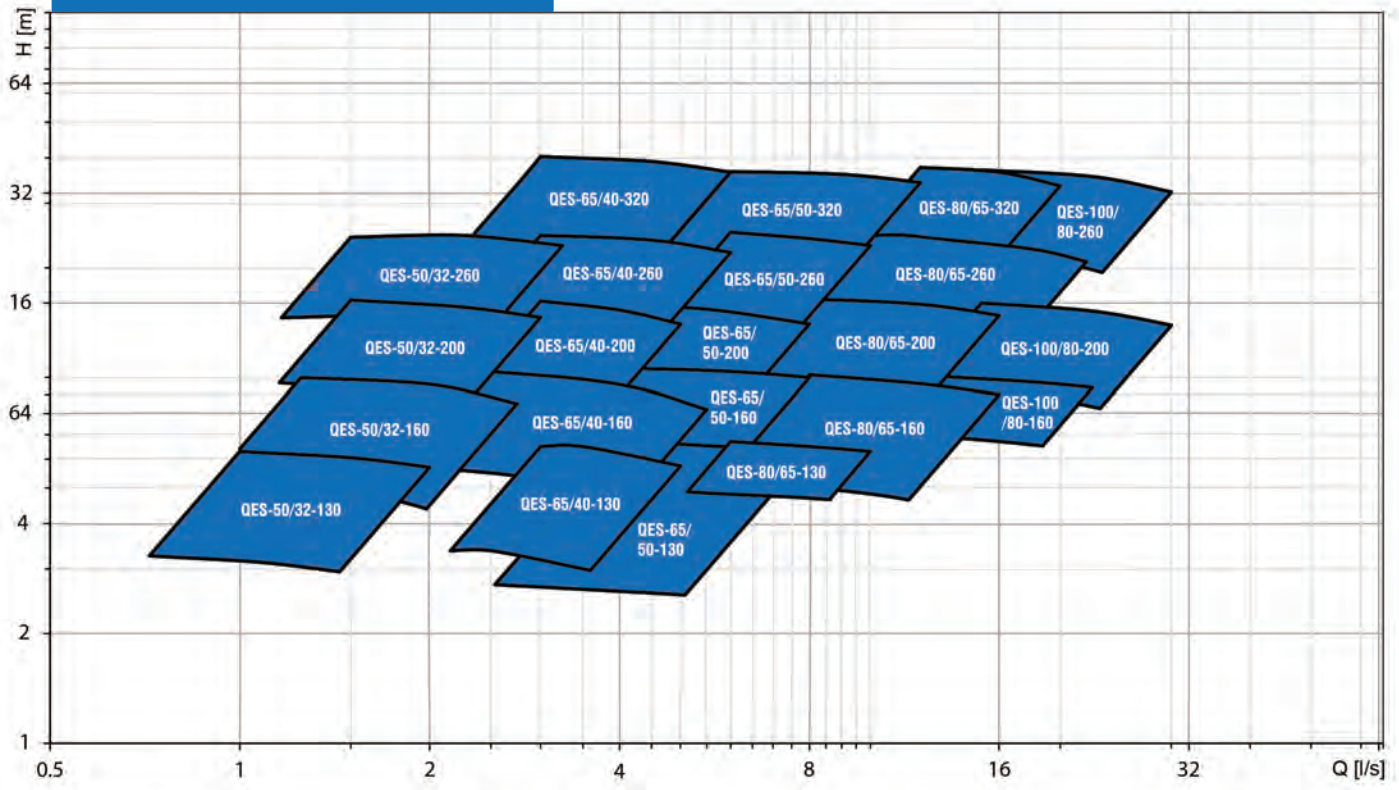
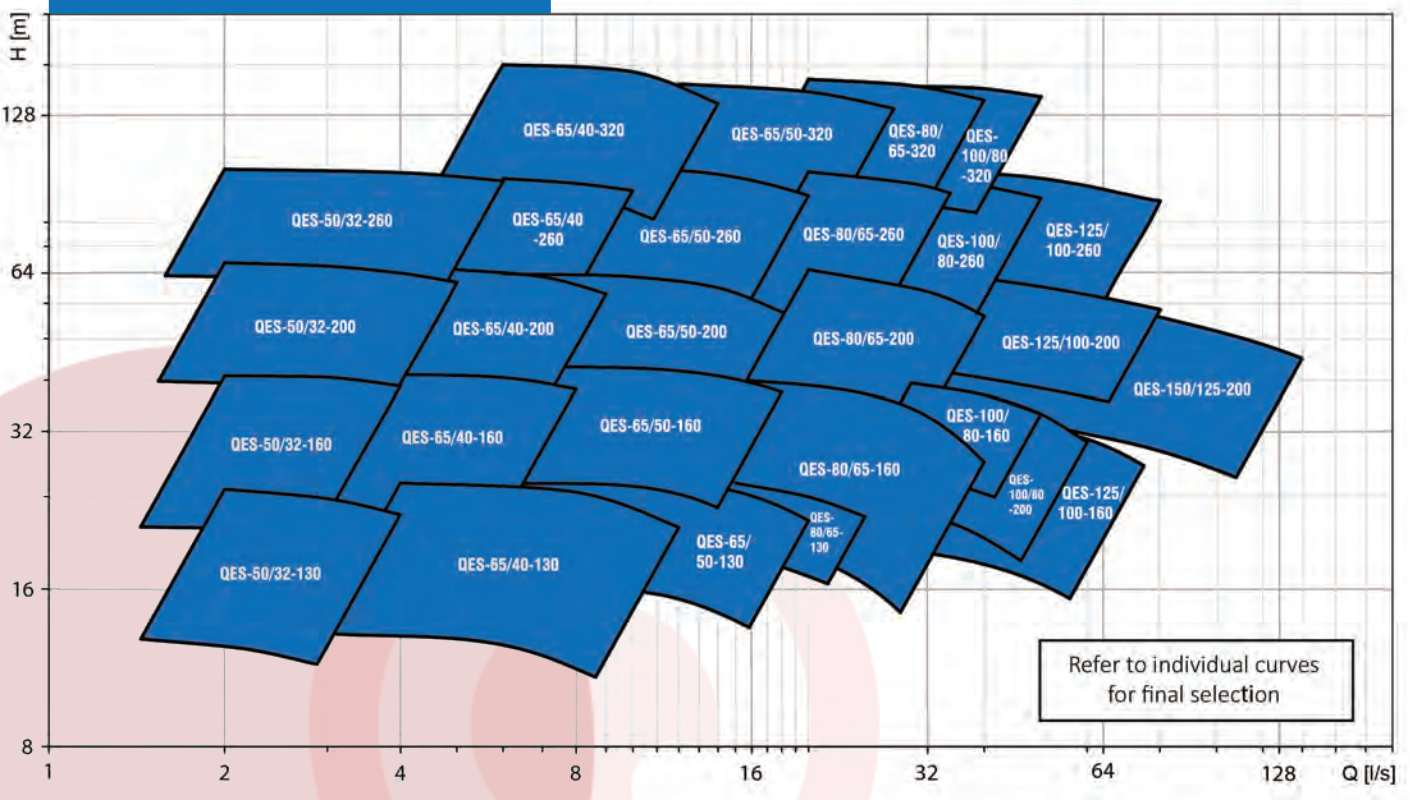
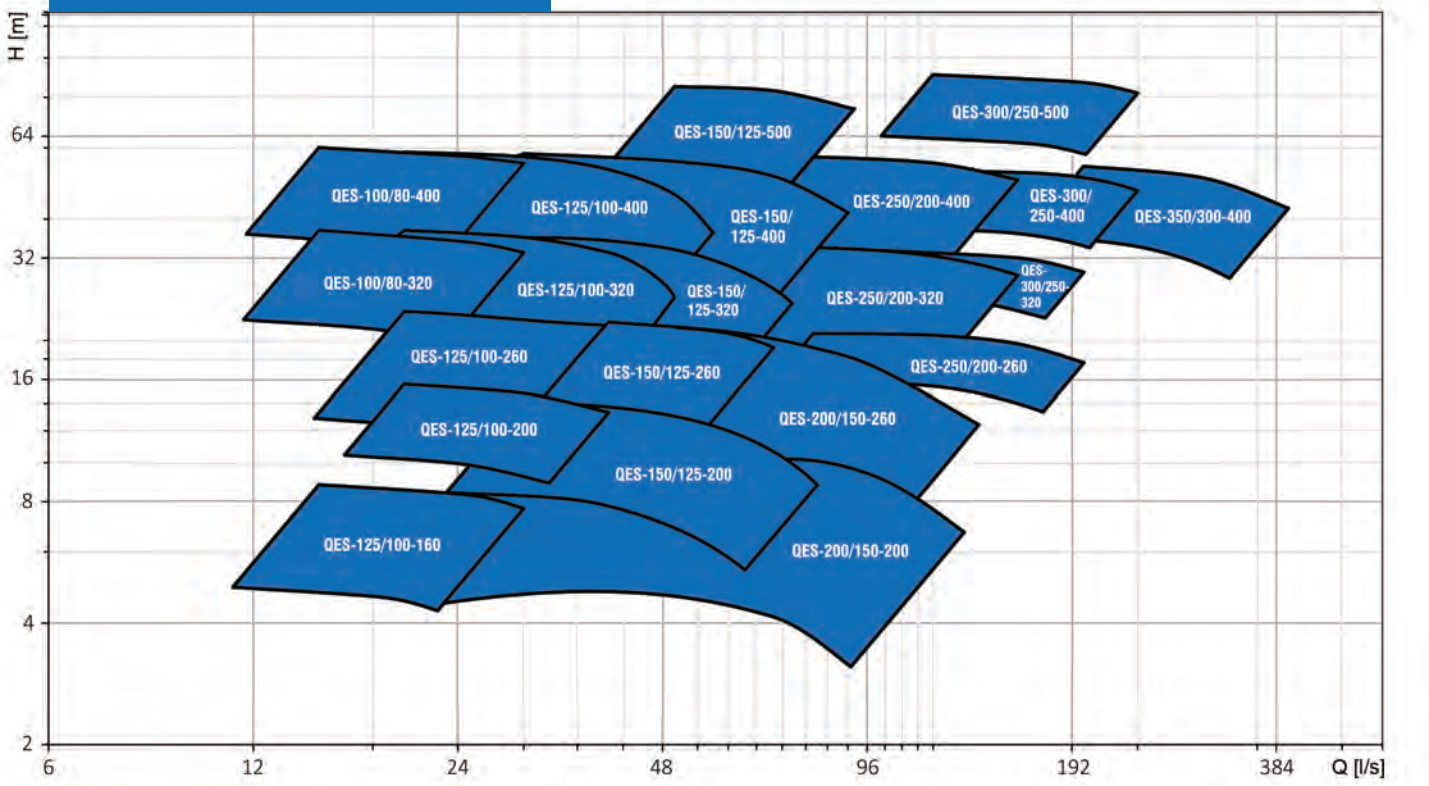
QES Series Range – 1450 RPM



QES Series Range – 2900 RPM



QES Series Range – 1450 RPM



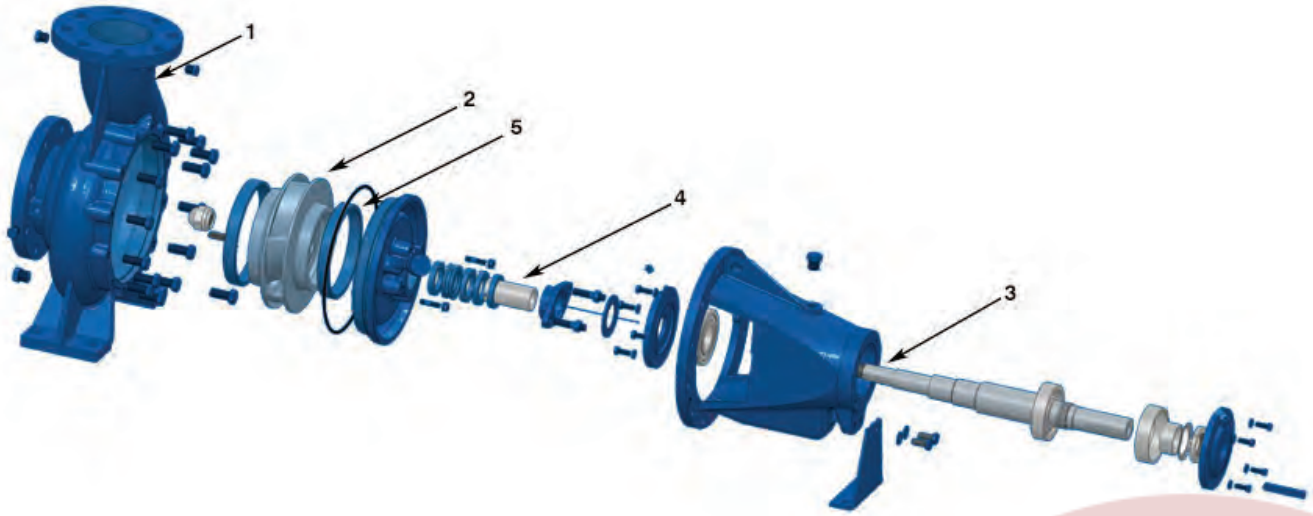


Fig. 2.3 – End-Suction Pump

MOC - End-Suction Pump				
1	2	3	4	5
Casing	**Impeller**	**Shaft**	**Shaft Sleeve**	**Wear Ring**
Cast Iron Bronze Z.F Bronze Stainless Steel	Cast Iron Bronze Z.F Bronze Stainless Steel	Stainless Steel	Bronze Stainless Steel	Cast Iron Bronze Z.F Bronze Stainless Steel

Quantum's End-Suction Close Coupled Pump Series are a cost-effective option over traditional long coupled centrifugal pumps. They are designed and engineered to be easily serviced with their back-pull-out design. This allows removal of the motor/impeller module without disturbing pipework. These pumps are particularly suited to confined spaces where long coupled units may not fit.

For this series we use standard "off-the-shelf" TEFC foot and flanged motors. These pumps eliminate costly couplings and the alignment problems sometimes associated with long coupled models.

Quantum has numerous options for construction materials, pump discharge positioning and a large operating range.

Temperature range: -20°C - 100°C

Capacity: up to 720 m3/hr

Head: up to 160m

Seal Type: Mechanical Seal

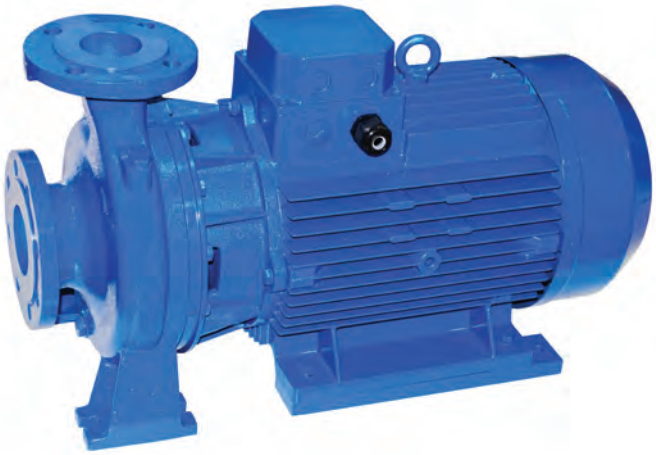
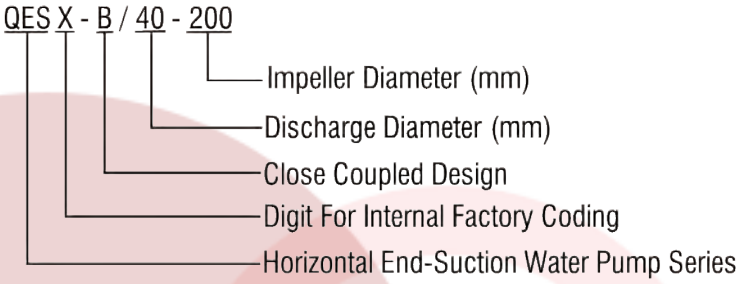


Fig.3.1 – Quantum Closed-Coupled Pump

Model Breakdown



Applications:

- Water Supply
- Cooling Water System
- Fire Fighting System
- Oil & Gas
- Industrial Plant & Refineries
- Irrigation
- Water Treatment & Supply
- Marine
- Metallurgy

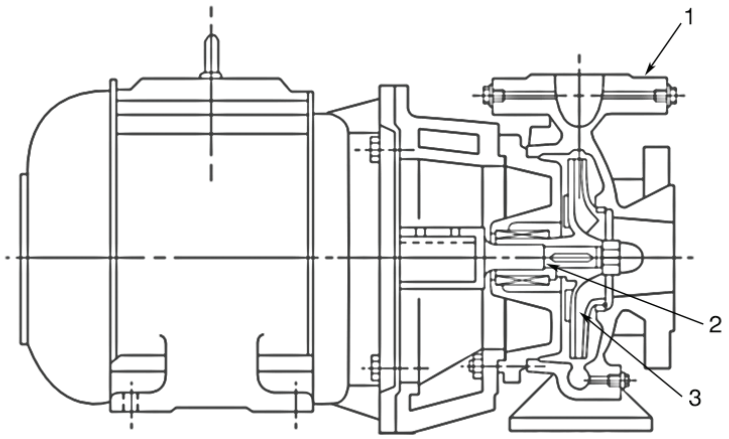
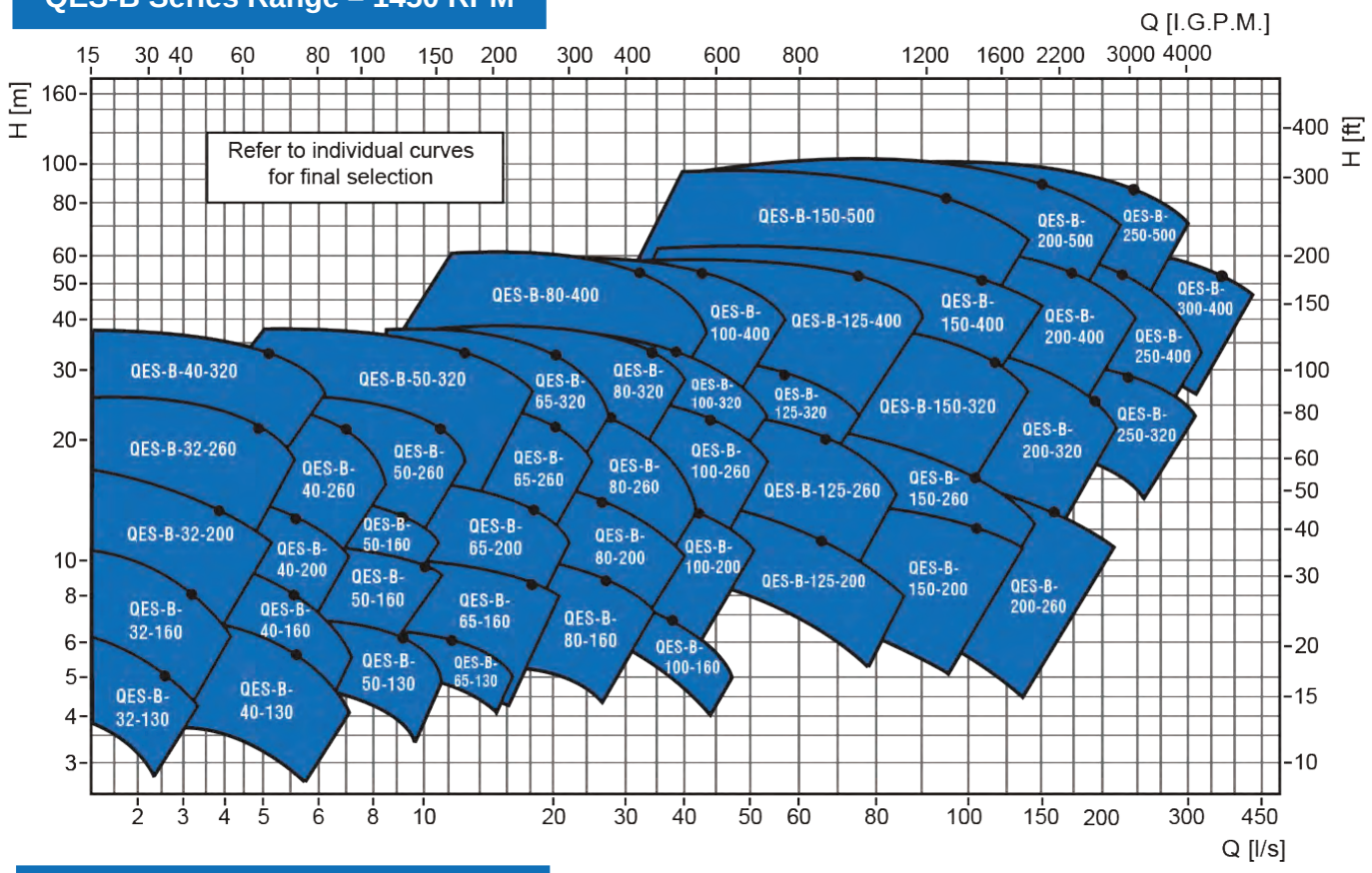


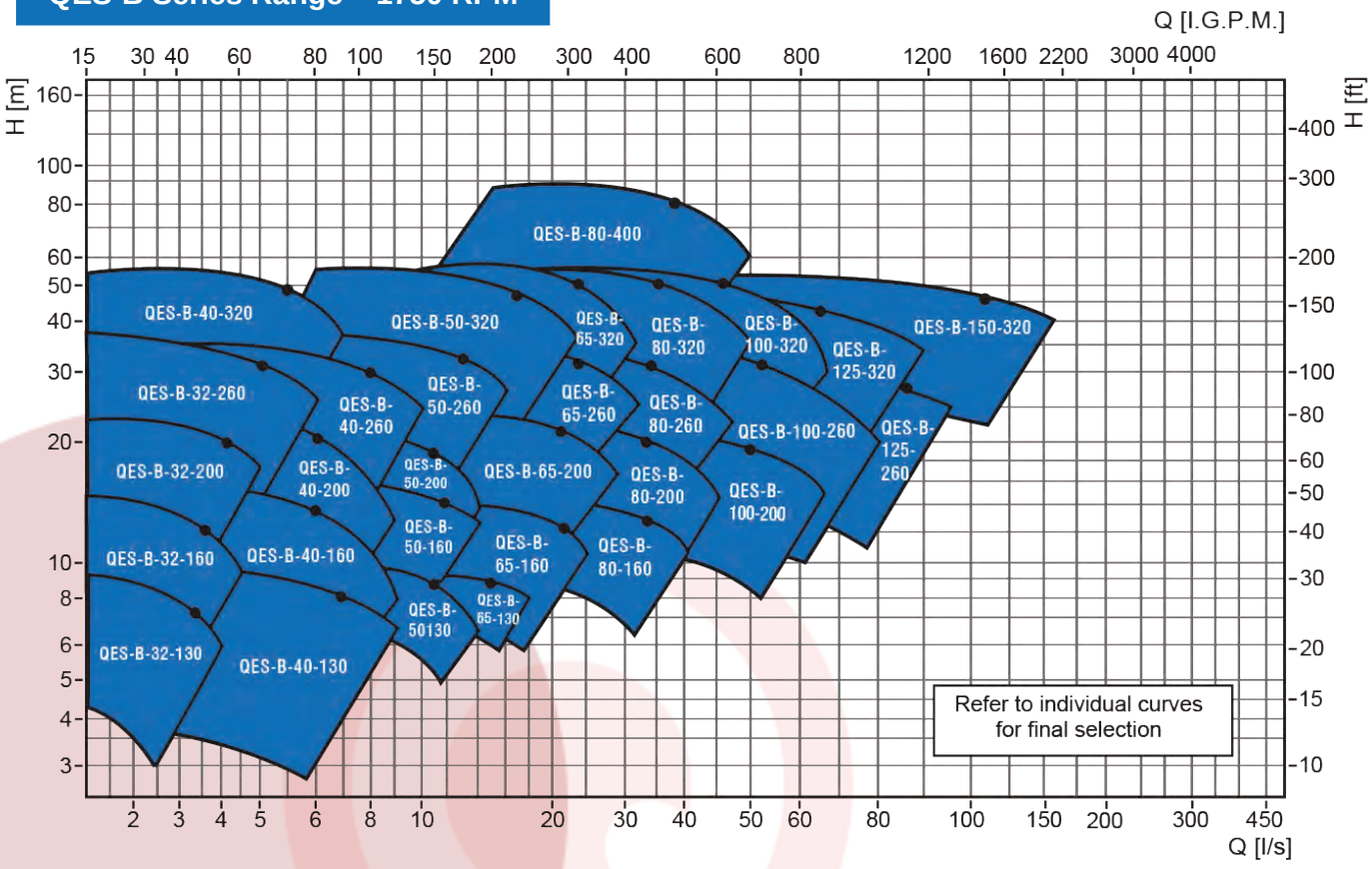
Fig.3.2 – Cross Sectional Drawing

MOC - End-Suction Pumps (Close Coupled)		
S.No	**Name**	**Material**
1	Casing	Cast Iron
		Ductile Iron
		Bronze
		Stainless Steel (SS 304)
		Stainless Steel (SS 316)
		Stainless Steel (SS 420)
2	Impeller	Cast Iron
		Ductile Iron
		Bronze
		Stainless Steel (SS 304)
		Stainless Steel (SS 316)
		Stainless Steel (SS 420)
3	Shaft	Stainless Steel (SS 316)
		Stainless Steel (SS 420)

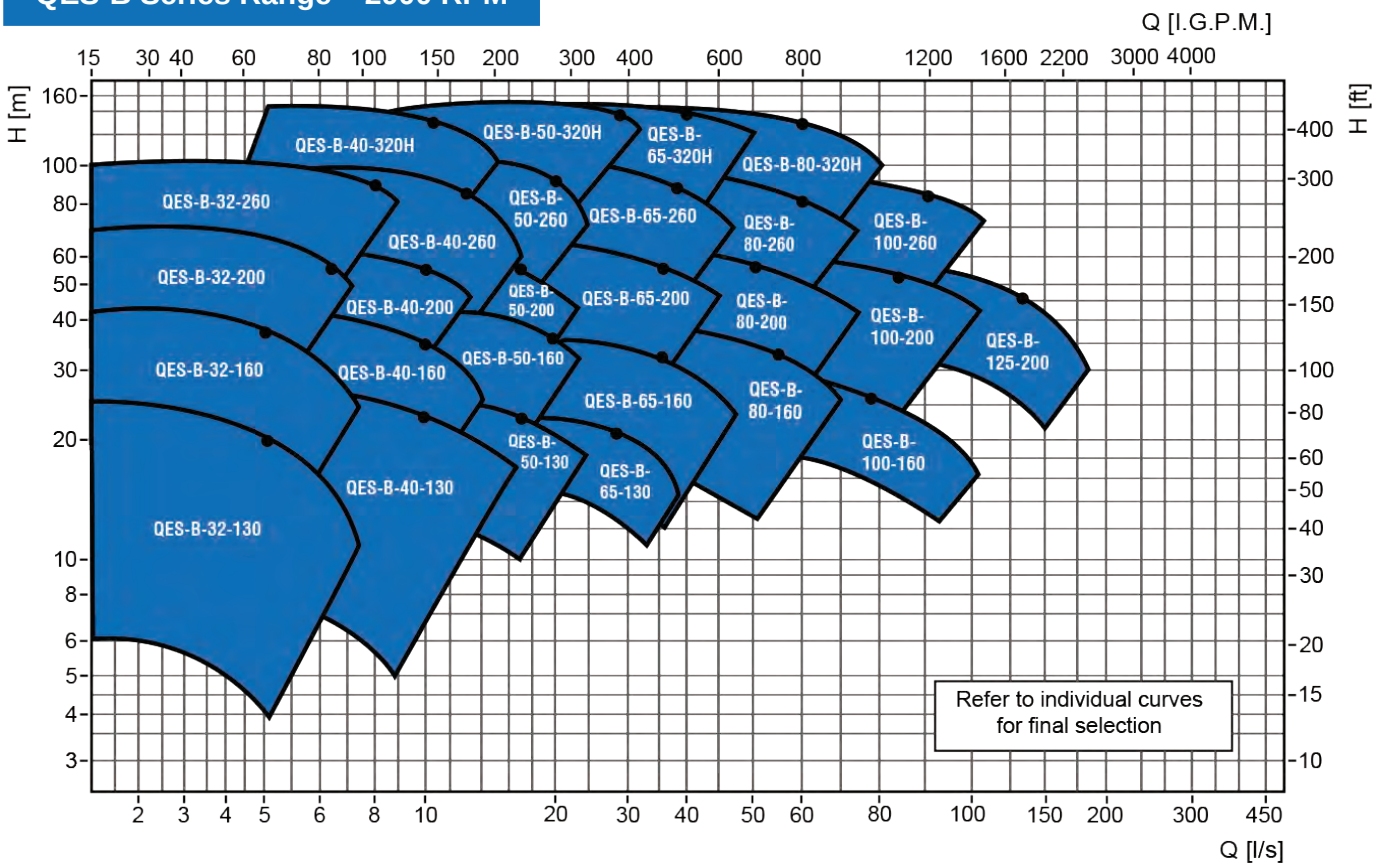
QES-B Series Range – 1450 RPM



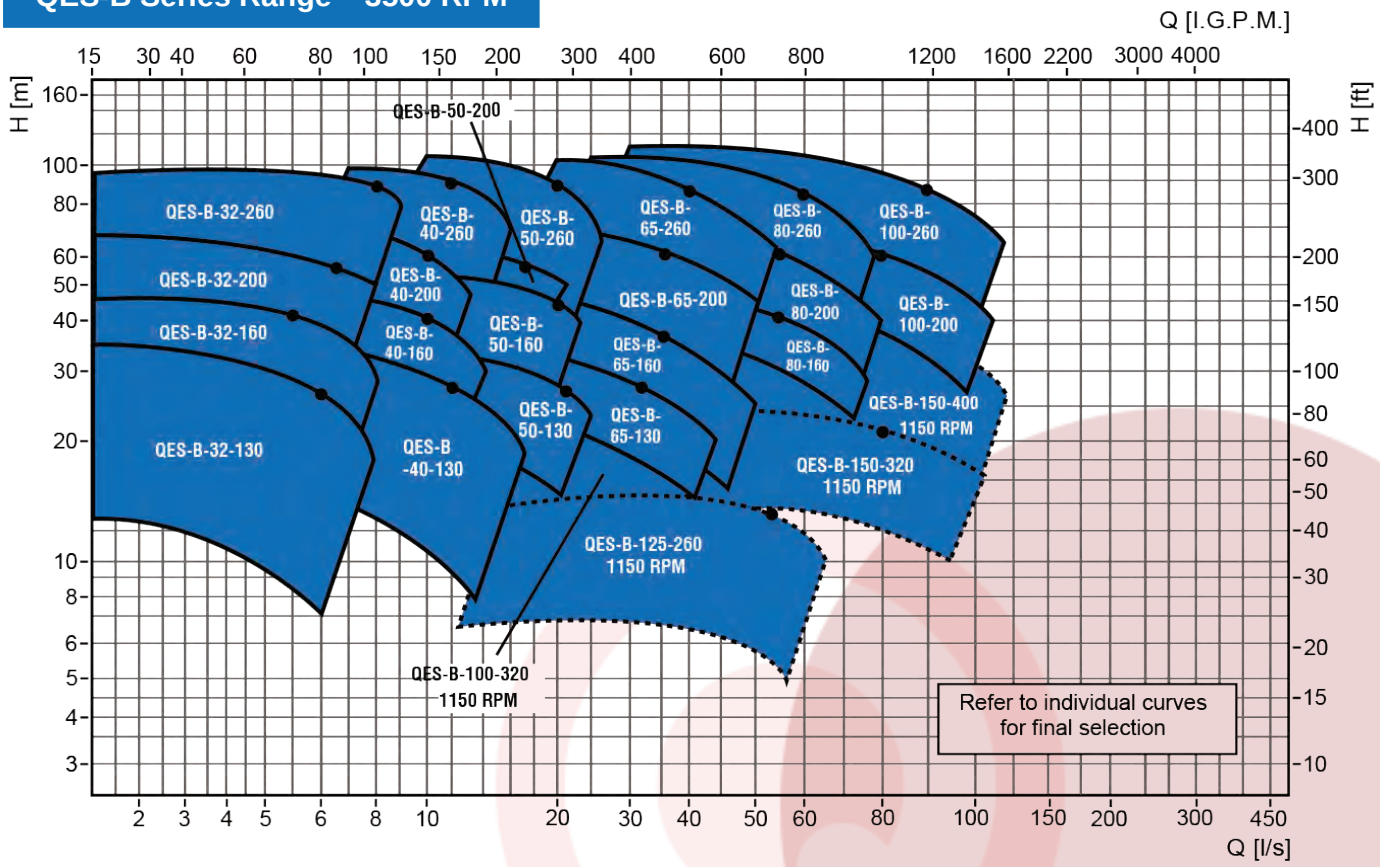
QES-B Series Range – 1750 RPM



QES-B Series Range – 2900 RPM



QES-B Series Range – 3500 RPM



Quantum's In-Line Pump Series is an in-line, close coupled, single stage, centrifugal motor pump. These compact pumps are ideal when space is at a premium and you require a high flow at an economical operating cost.

For this series, we have a standard 'off-the-shelf' TEFC foot and flanged motor, however, if necessary special types of motors can be fitted for specific applications. It features a durable cast bronze impeller and is available in a variety of materials. Back pull-out feature allows easy maintenance without disturbing the pipework.

Temperature range: -20°C - 100°C

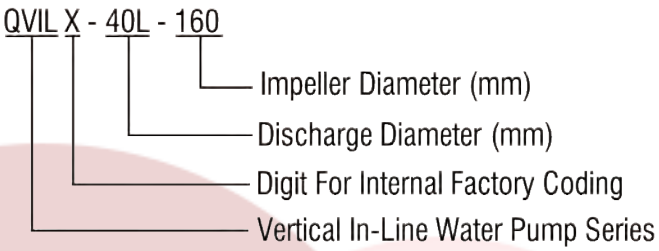
Capacity: up to 540 m3/hr.

Head: up to 160m

Seal Type: Mechanical Seal

Fig.4.1 – Quantum In-Line Pump

Model Breakdown



Applications:

- Water Supply
- Cooling Water System
- Fire Fighting System
- Oil & Gas
- Industrial Plant & Refineries
- Irrigation
- Water Treatment & Supply
- Marine
- Metallurgy

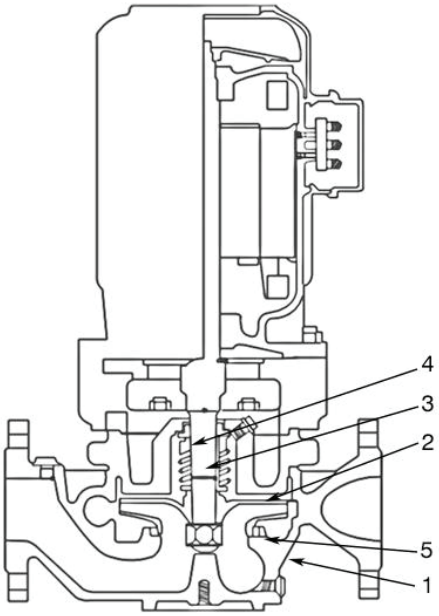
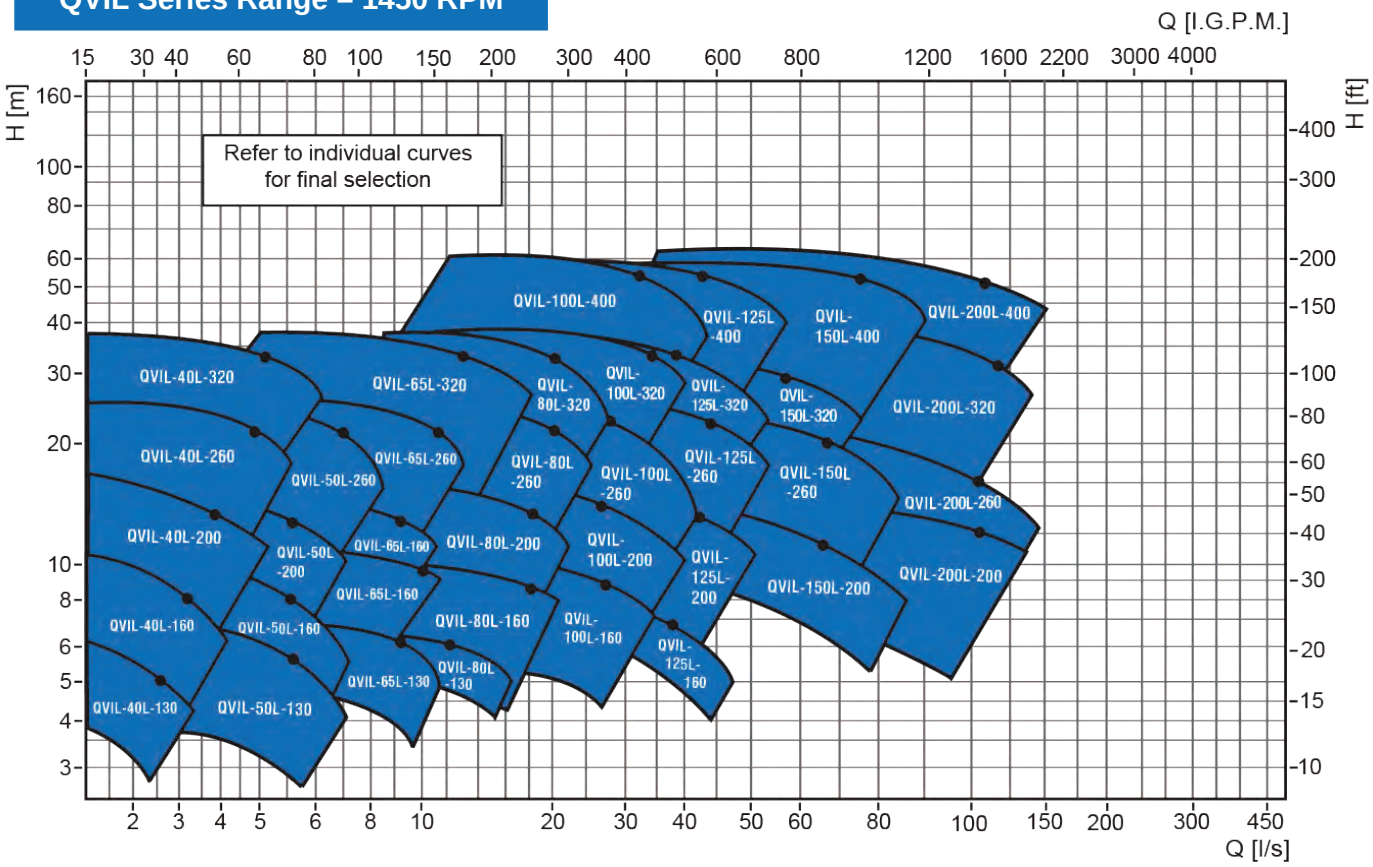


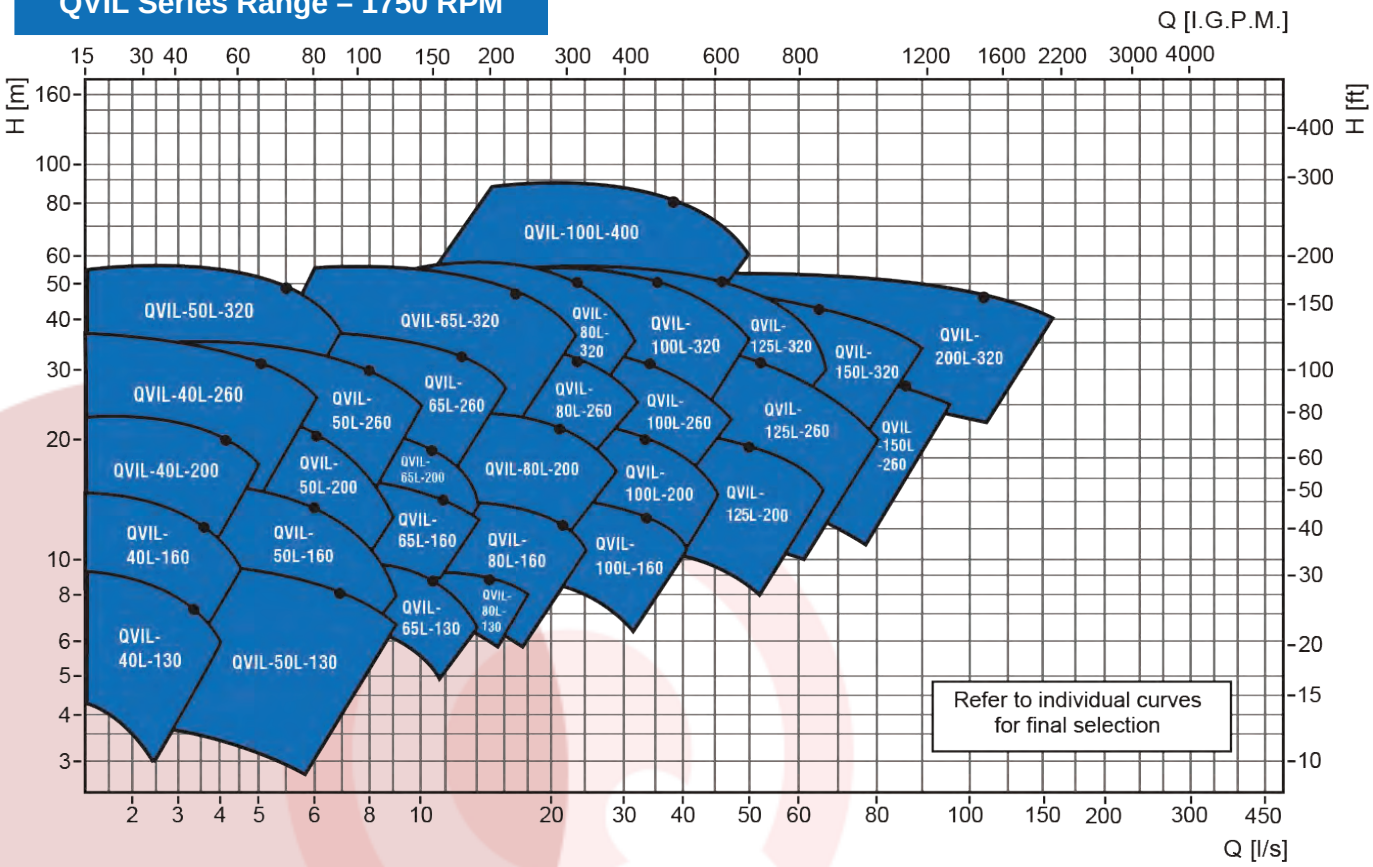
Fig.4.2 – Cross Sectional Drawing

MOC - Vertical In-line Pumps		
S.No	**Name**	**Material**
1	Casing	Cast Iron
		Bronze
		Z.F Bronze
		Stainless Steel
2	Impeller	Cast Iron
		Bronze
		Z.F Bronze
		Stainless Steel
3	Shaft	Stainless Steel
4	Shaft Sleeve	Bronze
		Stainless Steel
5	Wear Ring	Cast Iron
		Bronze
		Z.F Bronze
		Stainless Steel

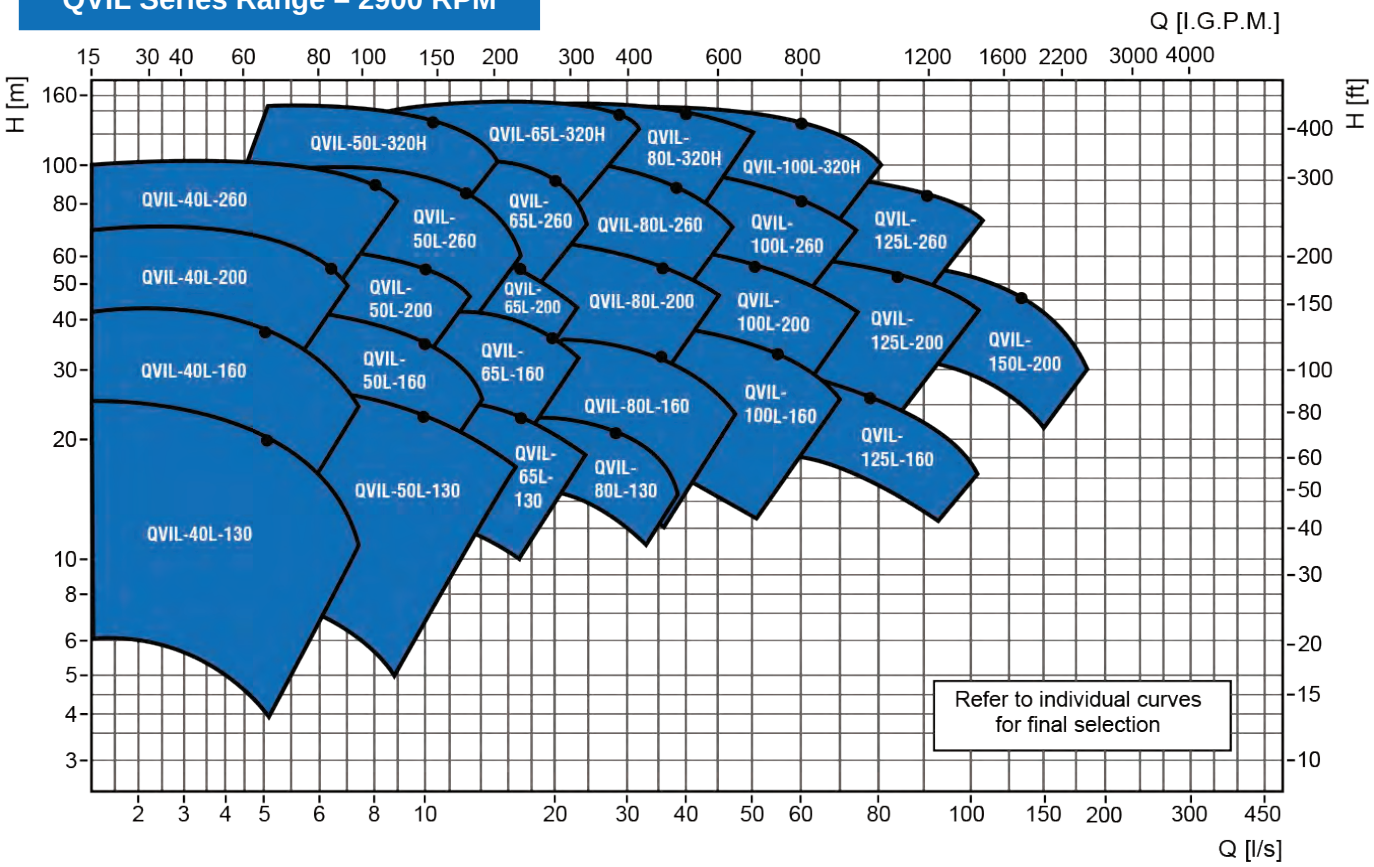
QVIL Series Range – 1450 RPM



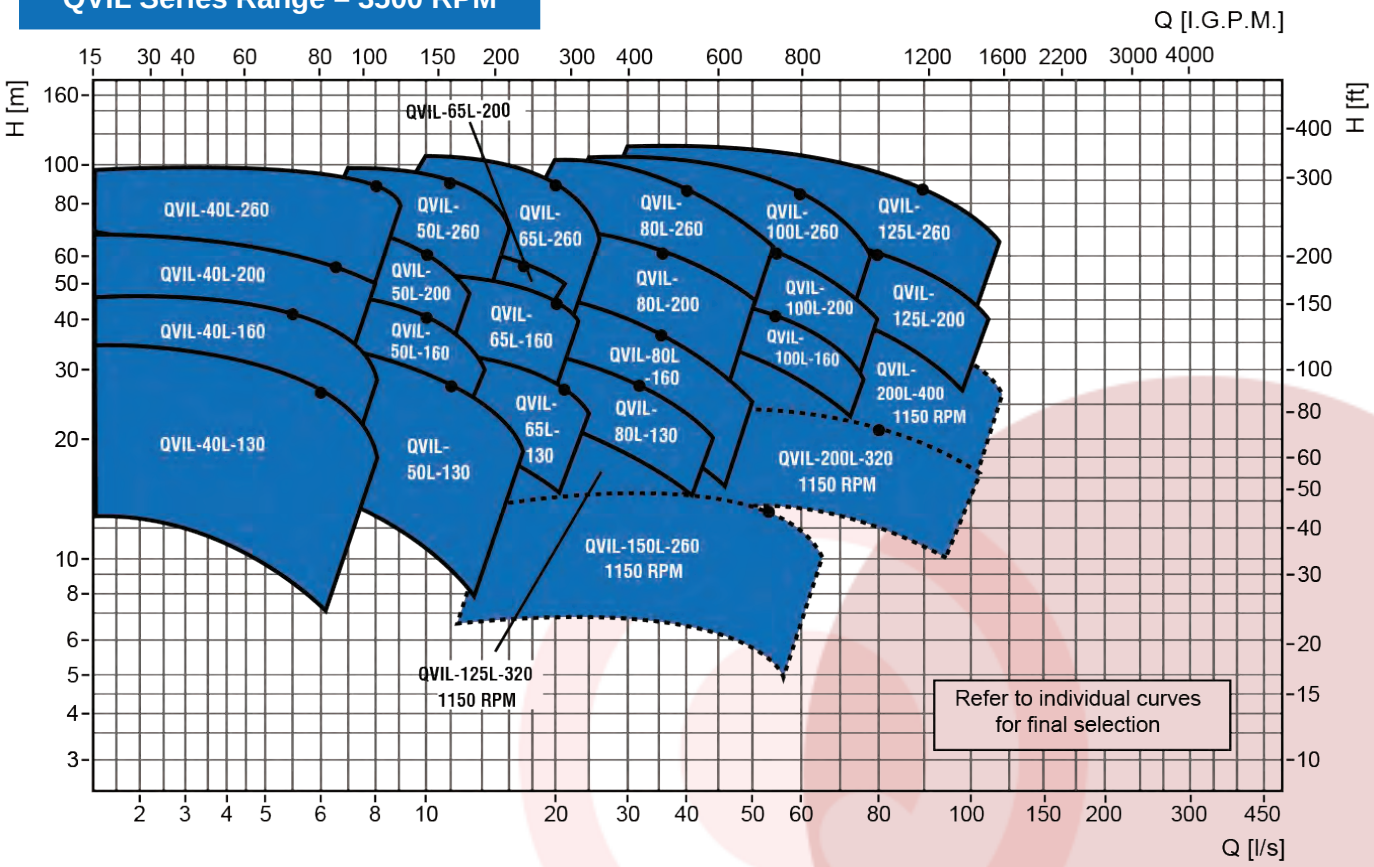
QVIL Series Range – 1750 RPM



QVIL Series Range – 2900 RPM



QVIL Series Range – 3500 RPM



Quantum's Vertical Turbine Pump Series consists of the single and multistage design, of the diffuser type and designed for continuous service.

Depending on the application, our range of vertical turbine pumps can be designed with either the discharge elbow above or below the pump foundation level. The pumps are supplied as standard with a sole plate which will allow you a level machined surface to mount the discharge head and also withstands any forces or moments caused by any pipe straining. The design also includes a suction bell, line shaft and closed or open mixed flow impellers.

The pumps come with pull out and non-pull out design, self-water lubrication, oil or forced water lubrication. They are suitable for vertical solid shaft and hollow shaft motors.

Capacity: up to 21,000 m3/hr.

Head: up to 100m

Seal Type: Mechanical Seal / Gland Packing

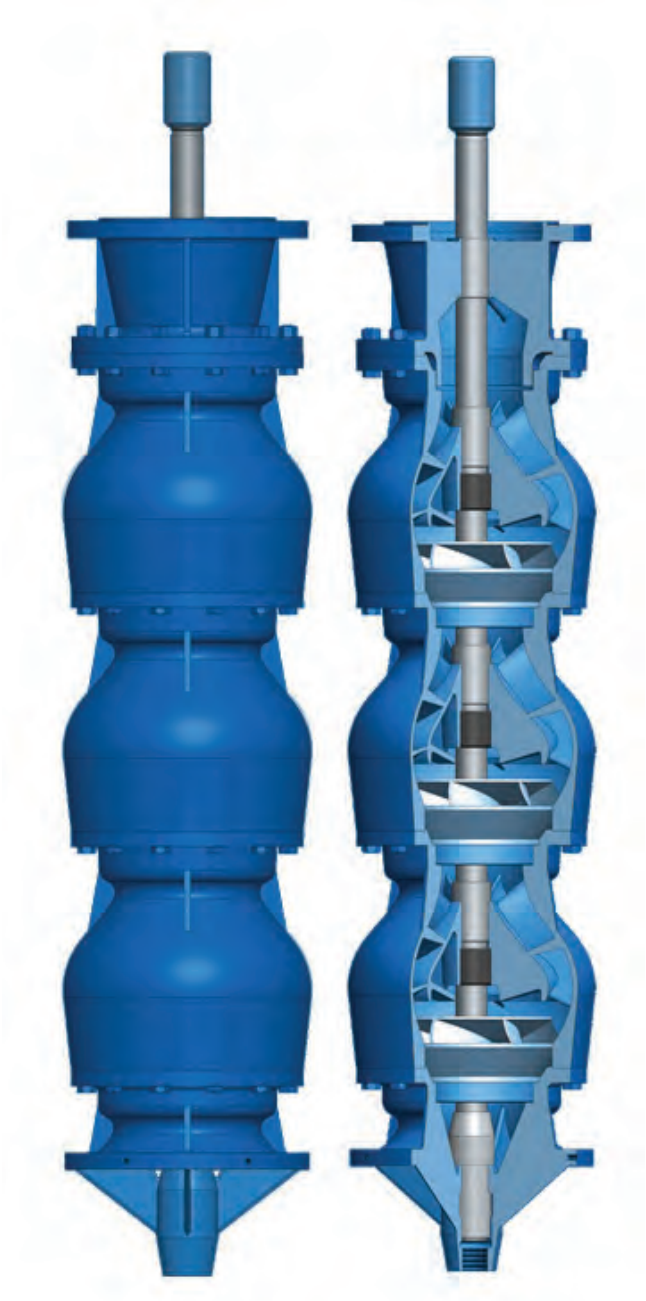
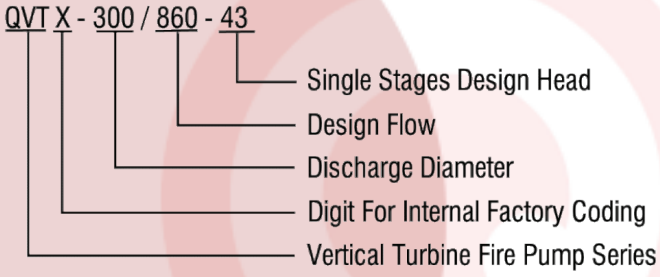


Fig.5.1 – Quantum Vertical Turbine Pump

Applications:

- Water Supply
- Cooling Water System
- Fire Fighting System
- Oil & Gas
- Industrial Plant & Refineries
- Irrigation
- Water Treatment & Supply
- Marine

Model Breakdown



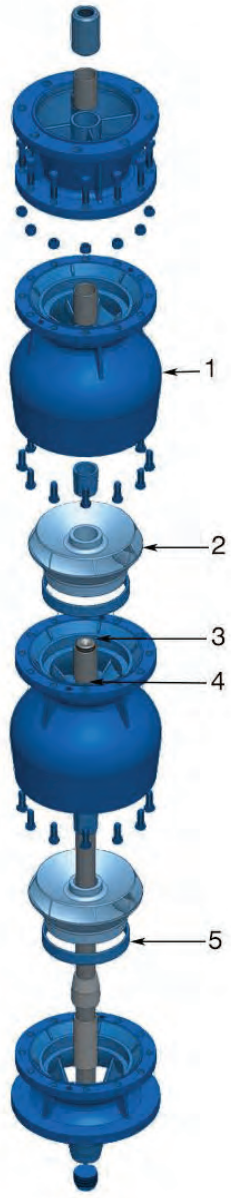


Fig.5.2 – Vertical Turbine Pump

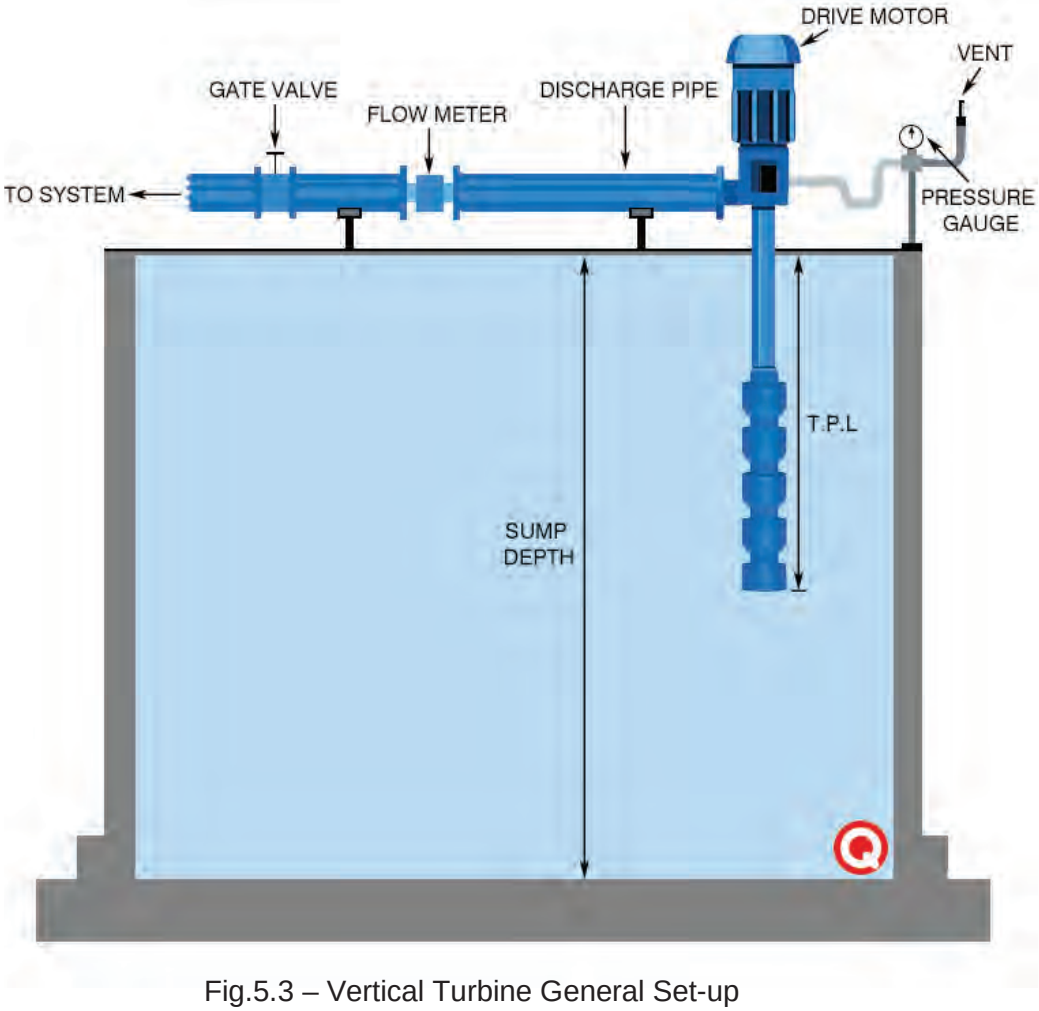


Fig.5.3 – Vertical Turbine General Set-up

As identified in Fig.5.3 above, having parameters such as Sump Depth (Measured from the Sole Plate or Foundation to the base of the tank or well) and T.P.L (Total pump length measured from the Sole Plate or Foundation to the suction bell) from our invaluable clients will allow us to select a suitable pump and provide a quotation based on your exact project requirements, ensuring your pump is always submerged by calculating the correct length of column pipe required for the pit.

MOC - Vertical Turbine Pumps				
1	2	3	4	5
Casing	**Impeller**	**Shaft**	**Shaft Sleeve**	**Wear Ring**
Cast Iron Cast Steel Stainless Steel Duplex SS / Super Duplex SS	Cast Iron Bronze Cast Steel Stainless Steel Duplex SS / Super Duplex SS	Carbon Steel Stainless Steel Duplex SS / Super Duplex SS	Carbon Steel Stainless Steel Duplex SS / Super Duplex SS	Cast Iron Bronze Cast Steel Stainless Steel Duplex SS / Super Duplex SS

Quantum's Vertical Multi-Stage Pump Series is a very common design used for various high-pressure demanding applications in domestic water supply, firefighting, food, metal industries, etc.

The compact design makes it easier to face space constraint challenges at site. In addition to that, it has various other benefits such as a wide range of flow & head combinations, energy efficient and reliable. It comes with standard counter flanges.

The pumps are coupled with standard electric motors which are in compliance with IEC standards. Standard motors come with Class F insulation and IP55 level of protection.

Maximum Flow: Up to 240 m3/hr

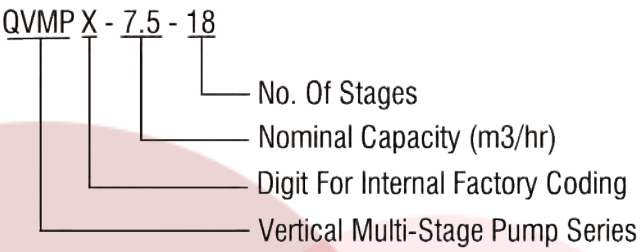
Max Pressure: Up to 320 m

Standard Liquid Temperature: 0 to +70˚C (Options available up to 120˚C for special cases)

Medium: Thin, clean, non-aggressive liquids which do not contain solid particles

Fig.6.1 – Quantum Vertical Multi-Stage Pump

Model Breakdown



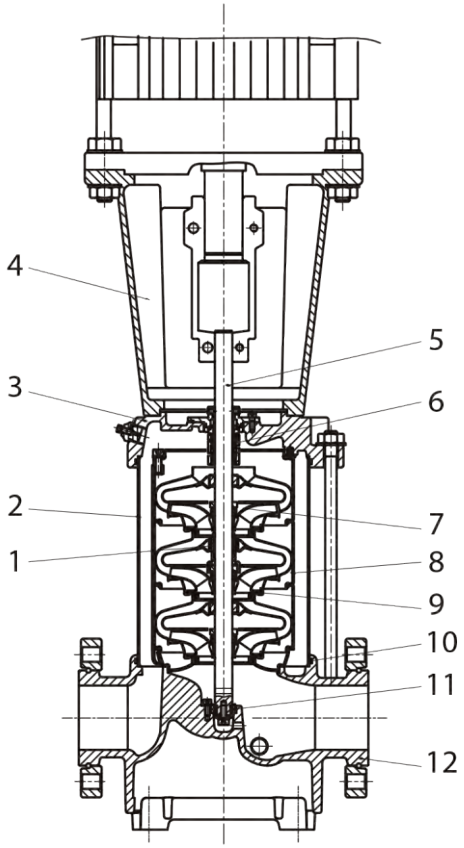


Fig. 6.2 – Cross Sectional Drawing

MOC - Vertical Multistage Pumps					
S.No	**Name**	**Material**	**S.No**	**Name**	**Material**
1	Bearing Ring	Bronze	8	Chamber	Stainless Steel
2	Outer Sleeve	Stainless Steel	9	Neck Ring	Carbon Fiber
3	Pump Head	Cast Iron			POB
		Stainless Steel			PTFE
4	Motor Bracket	Cast Iron	10	O-Ring for Outer Sleeve	EPDM
5	Shaft	Stainless Steel	11	Bottom Bearing Ring	Tungsten Carbide
6	Mechanical Seal	Cartridge Type	12	Base	Cast Iron
7	Impeller	Stainless Steel			Stainless Steel

*Above is the list of standard materials of construction and special materials of construction are available on request

Our trusted partner **Aquatech Pressmain** and ourselves **Quantum Pump Systems Ltd** are here to support your requirements for booster & transfer pump sets, pressurization units, bespoke pump packages and related equipment.

Our product range cover applications from domestic or light commercial boosted water supply to larger potable water distribution or pressure boosting demands in residential, commercial and industrial premises. We have pump arrangements available from 1 to 8 pumps per set.

We offer technical support, expertise and experience to meet the challenges of diverse requirements of our customers.

Fig.7.1 – Booster Set

Fig.7.1 is an all variable speed driven pumps set that is energy efficient for potable water distribution or pressure boosting for various applications. The range has been designed to increase the pressure of the cold/hot water services within a building, where the existing incoming water mains or feed tank is not capable of supplying sufficient system pressure.

OPERATING PARAMETERS

- No. of Pumps Per Set: 2 to 6
- Flow: up to 48 l/s
- Head: up to 14.0 bar

These pressure booster sets utilize flow-through control vessels and are designed to be compliant with Department of Health HTM 04 Guidance for Safe Water in Healthcare Premises as well as WRAS approved, making them an ideal choice for hospitals.

The sets are fitted with advanced controls to protect against malfunction and sophisticated software to detect and alert of any leaks.

Aquatech Pressmain
Quantum Pump Systems Ltd

Fig.7.2 is our compact, cost effective yet powerful range of booster sets with two pumps, suitable for boosting the water pressure in medical centres, schools and apartment blocks.

The sets Increase the water pressure to 5.0 bar, with a water flow of up to 5 liters per second, where for example the mains water pressure is insufficient to feed rooftop storage tanks, or where water is stored at low level and needs to be distributed to the upper floors of a building.

The two energy-saving variable speed pumps are configured to operate as duty with standby or duty and assist as required. With a start-up wizard for initial set up and E speed control, maintaining constant pressure through automatic alternation of the duty pump.

Fig.7.2 –Compact Booster Set

Apart from standard booster sets, we provide bespoke booster sets with 1 to 8 pumps per set, booster sets with storage tank, pressurization units, packaged plant rooms, spare parts and services related to it.

Fig.7.3 – Bespoke Booster Set

Fig.7.4 – Pressurization Unit

Fig.7.5 – Packaged Plant Room

Aquatech Pressmain
Quantum Pump Systems Ltd

SUBMERSIBLE PUMP SERIES

WASTEWATER & SEWAGE PUMP

Non-Clog Submersible Pumps are designed specifically to provide optimum performance and reliability for wastewater & sewage applications in both intermittent and continuous operational requirement. This pump comes with multiple options, be it sophisticated impeller channel designs or internal cooling jacket to aid our customers requirement.

OPERATING PARAMETERS

- Flow: up to 400 m3/hr
- Head: up to 30 m
- Power: up to 15 kW

Fig.8.1 – Non-Clog Submersible Pumps

Cutter Submersible Pumps are engineered to accommodate a cutter in a non-clogging design to overcome clogging issues especially for extreme applications such as municipality wastewater management, processing plant, industrial, etc.

OPERATING PARAMETERS

- Flow: up to 340 m3/hr
- Head: up to 70 m
- Power: up to 22 kW

Fig.8.2 – Cutter Submersible Pumps

Dewatering Submersible Pumps are robust pumps designed to handle dewatering applications, handling abrasive mediums commonly found in mining, industrial & construction industries. This range of pumps are manufactured with a high chrome iron impeller incorporating double sided mechanical seals.

OPERATING PARAMETERS

- Flow: up to 140 m3/hr
- Head: up to 48 m
- Power: up to 11 kW

Fig.8.3 – Dewatering Submersible Pumps

Wastewater Submersible Pumps are used widely for various applications. They are designed to pump wastewater with solid particles. Cast iron construction with multiple impeller design options such as cutter, channel and vortex are available based on the application.

OPERATING PARAMETERS

- Flow: up to 720 m3/hr
- Head: up to 52 m
- Power: up to 75 kW

Fig.8.4 – Wastewater Submersible Pumps

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