



# QJL Submersible Deep Well Pump



## Product Introduction

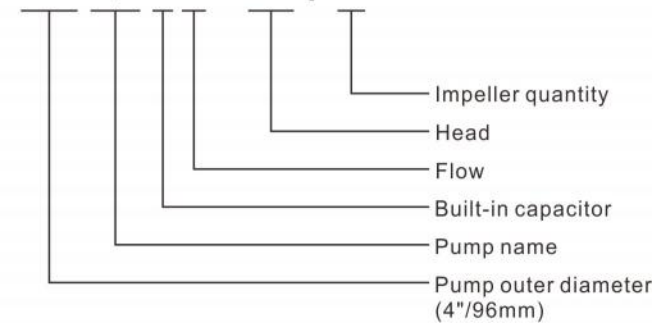
100QJL series deep well pump is a top-grade product based on the advanced technique from America and Italy, using stainless steel for casing, shaft, spline, high-strength and abrasion-resistant modified composite PC material for impeller and diffuser, adopting brand-new "Folding impeller" structure. With elegant appearance, this series has efficient motor, large flow and high head, which obviously reduces borehole cost, extends service life, and saves power. It is widely used in mining industry, agriculture, aquaculture, and family water supply.

## Basic Data

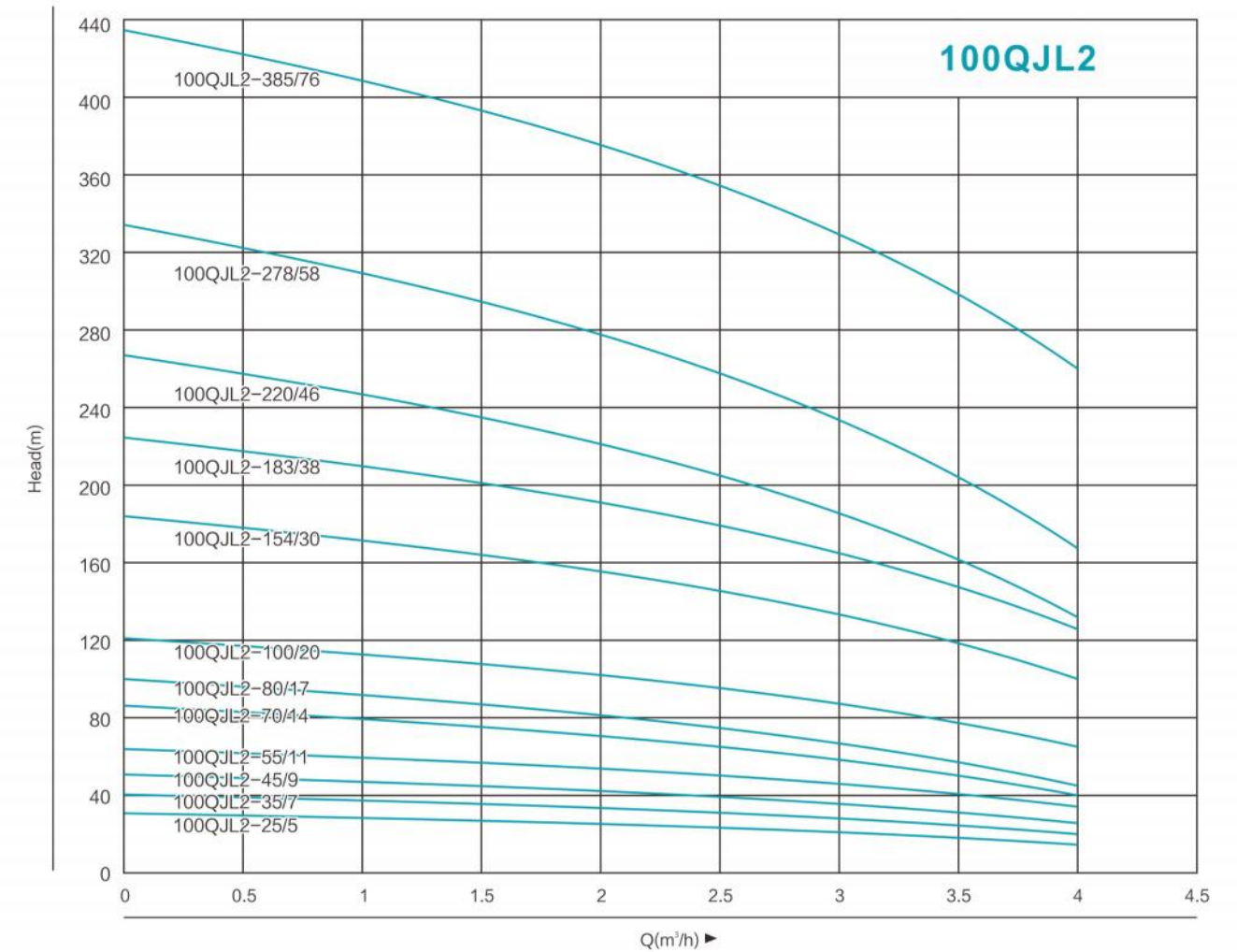
<b>Pump:</b>	<b>Motor:</b>
Flow range: 1~15m <sup>3</sup> /h	Power: Single phase: 0.37~2.2kW 220~240V
Maximum fluid temperature: 35°C	Three phase: 0.75~7.5kw 380~415V
Maximum sand content: 0.25%	Insulation class: B
	Protection level: IP68
	Frequency: 50Hz

## Model Definition

100 QJ L 2 - 25 / 5

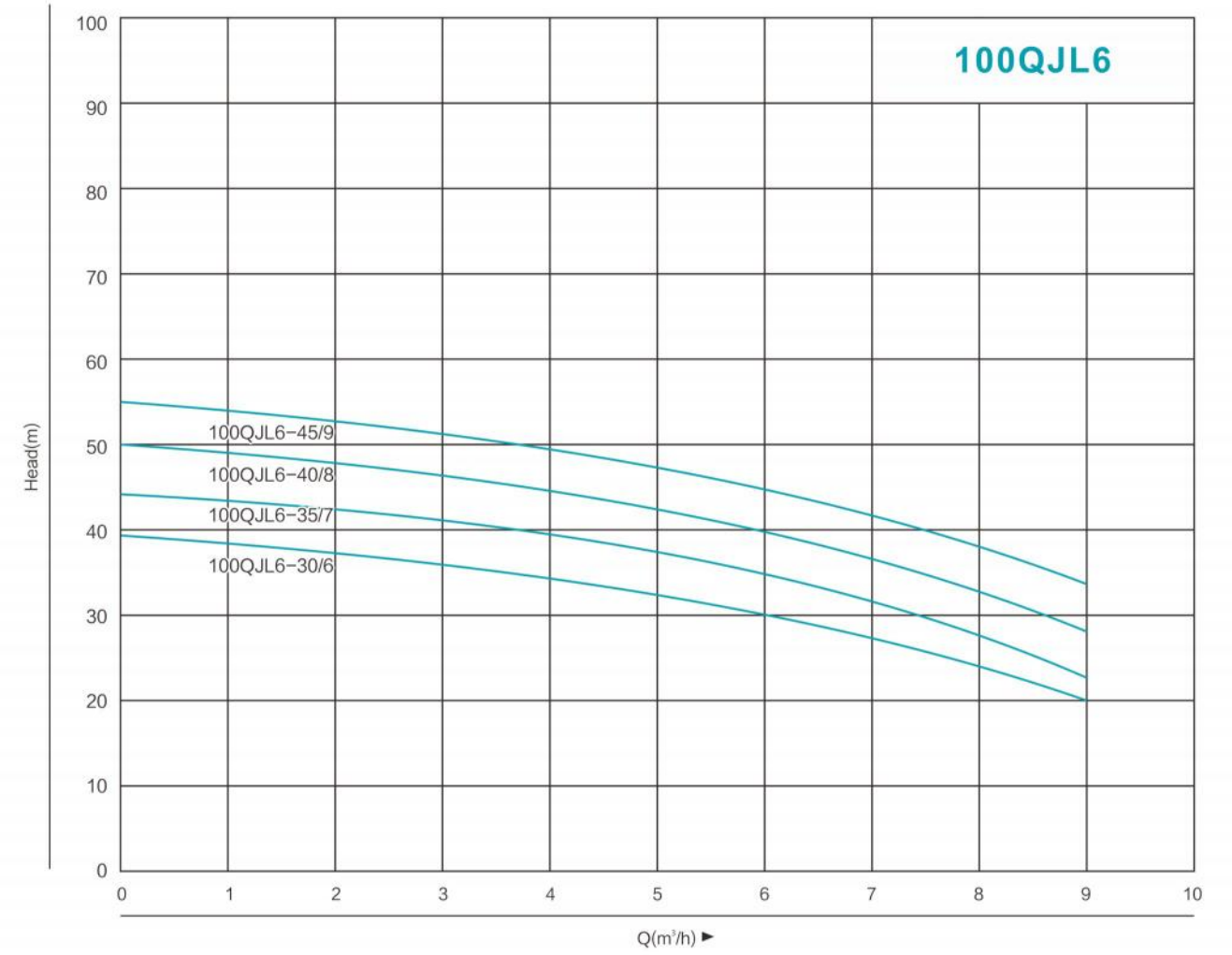
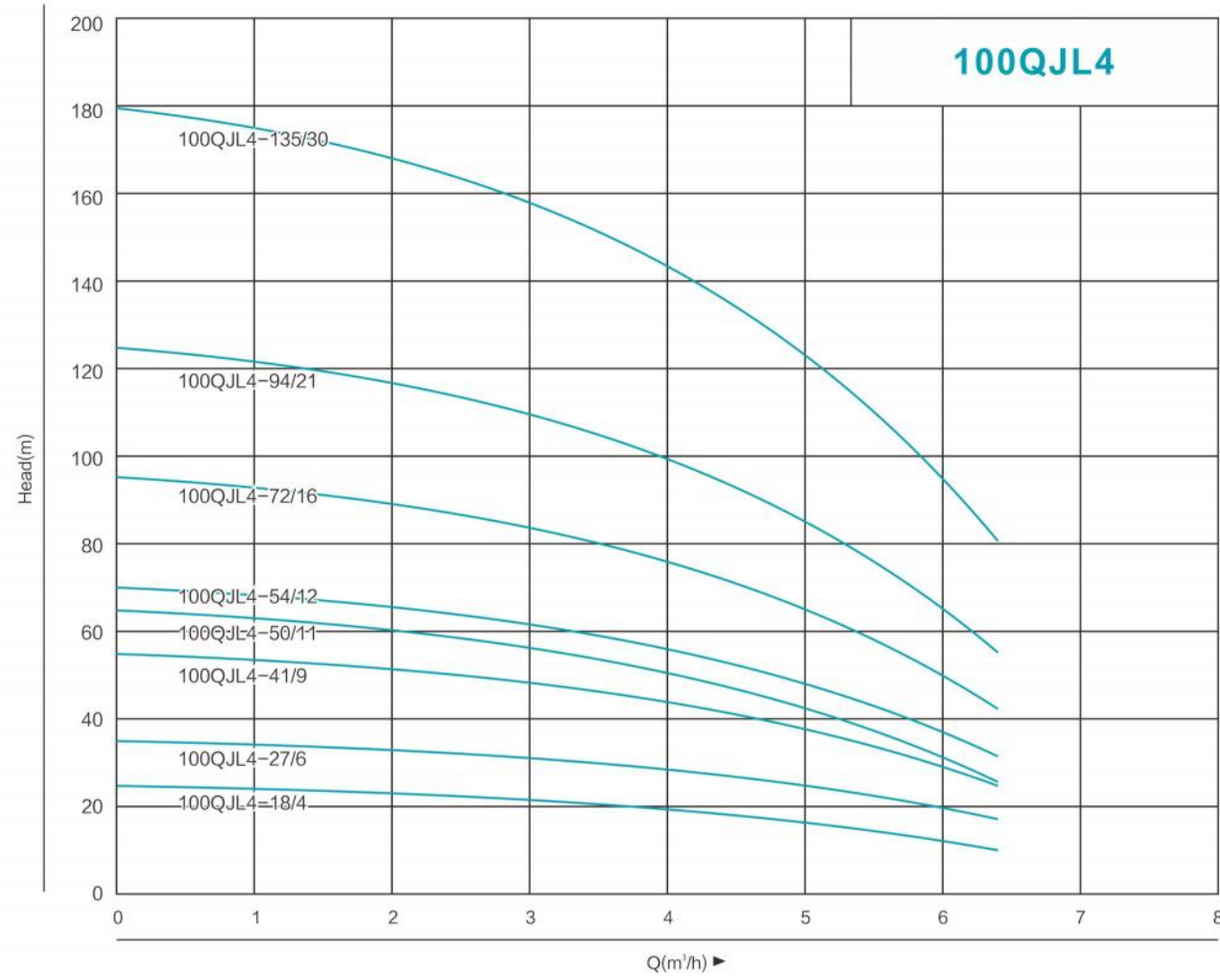


Component	Materials
Motor case	AISI201/304
Oil bag clamp	AISI201/304
Bottom bearing chock	Cast iron HT200
Top bearing chock	Cast iron HT200
Rotator shaft	45#+AISI304
Connector	Cast iron HT200
Outlet	Cast iron HT200
Pump case	AISI201/304
Strainer mesh	AISI201/304
Diffuser	ABS
Impeller	PC
Cover plate	PC
Shaft	AISI410/304
Shaft coupling	AISI201/304



## Performance Table

1~220-240V	Stages	P <sub>2</sub>		Outlet diameter inch	Q	n≈2850									
		kW	HP			m <sup>3</sup> /h	0	0.5	1	1.5	2	2.5	3	3.5	4
100QJL2-25/5	5	0.3	0.4	1.25"	H(m)	0	29	28	27	26	25	23	21	17	15
100QJL2-35/7	7	0.37	0.5			8	41	40	38	37	35	32	26	24	19
100QJL2-45/9	9	0.55	0.75			16	53	51	49	47	45	42	36	31	26
100QJL2-55/11	11	0.75	1			25	65	63	60	58	55	52	46	39	34
100QJL2-70/14	14	0.9	1.2			33	84	82	80	76	70	65	55	47	40
100QJL2-80/17	17	1.1	1.5			41	99	95	90	86	80	75	63	55	46
100QJL2-100/20	20	1.5	2			50	122	118	112	107	100	94	85	75	64
100QJL2-154/30	30	2.2	3			58	183	177	171	163	154	143	131	117	101
100QJL2-183/38	38	3	4			66	224	215	206	198	183	175	148	141	126
100QJL2-220/46	46	4	5.5			75	266	258	251	237	220	211	171	166	133
100QJL2-278/58	58	5.5	7.5			84	335	320	304	292	278	266	223	190	168
100QJL2-385/76	76	7.5	10			93	435	424	412	394	385	357	334	285	259

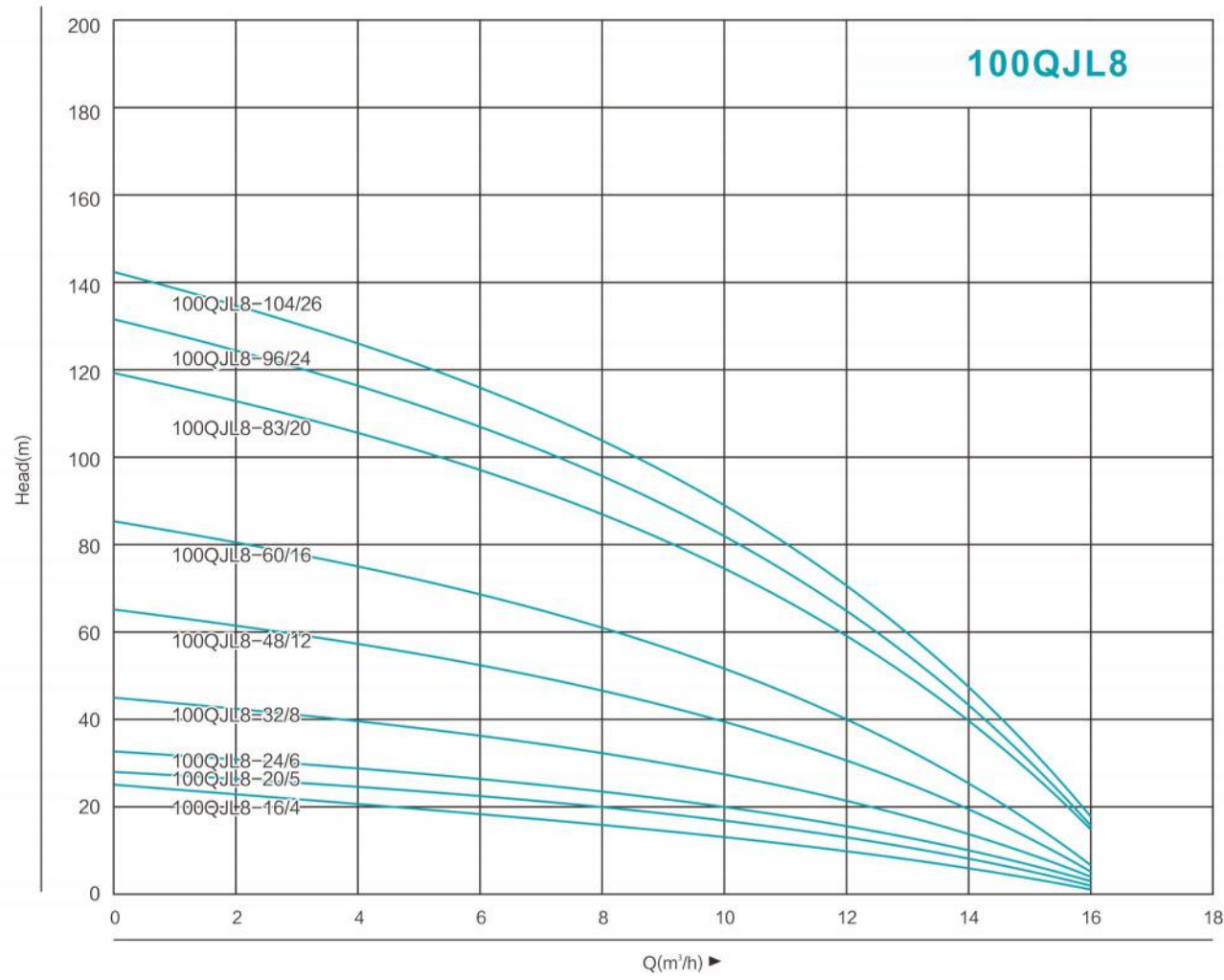


**Performance Table**

Model	Stages	P <sub>2</sub>		Outlet diameter inch	Delivery	n≈2850										
		kW	HP			Q	m³/h									
							0	0.8	1.6	2.4	3.2	4	4.8	5.6	6.4	
100QJL4-18/4	4	0.37	0.5	1.5"	H(m)	0	25	24	23	21	20	18	16	14	11	
100QJL4-27/6	6	0.55	0.75			0	35	34	33	31	29	27	24	21	17	
100QJL4-41/9	9	0.75	1			0	55	54	52	50	47	41	36	30	25	
100QJL4-50/11	11	0.9	1.2			0	65	64	61	57	54	50	43	35	26	
100QJL4-54/12	12	1.1	1.5			0	69	68	66	63	60	54	48	44	32	
100QJL4-72/16	16	1.5	2			0	95	94	89	84	80	72	64	59	43	
100QJL4-94/21	21	2.2	3			0	124	123	115	110	105	94	84	77	54	
100QJL4-135/30	30	3	4			0	179	177	166	158	151	135	120	110	81	

**Performance Table**

Model	Stages	P <sub>2</sub>		Outlet diameter inch	Delivery	n≈2850										
		kW	HP			Q	m³/h									
							0	1	2	3	4	5	6	7	8	9
100QJL6-30/6	6	0.75	1	1.5"	H(m)	0	39	37	36	35	34	32	30	27	24	20
100QJL6-35/7	7	1.1	1.5			0	44	42	41	40	39	37	35	32	28	23
100QJL6-40/8	8	1.5	2.2			0	50	48	47	45	44	42	40	37	34	28
100QJL6-45/9	9	2.2	3			0	55	53	52	50	49	47	45	43	39	34
						0	16	33	50	66	83	100	117	133	150	



**Performance Table**

Model	Stages	P <sub>2</sub>		Outlet diameter inch	Delivery	n≈2850																	
		kW	HP			Q	m³/h																
							0	2	4	6	8	10	12	14	16								
100QJL8-16/4	4	0.75	1	2"	H(m)	0	33	66	100	133	167	200	233	267	24	23	21	18	16	12	9	6	2
100QJL8-20/5	5	0.9	1.2			28	27	25	21	20	17	13	8	3									
100QJL8-24/6	6	1.1	1.5			33	32	29	25	24	19	15	10	4									
100QJL8-32/8	8	1.5	2			45	43	39	36	32	25	20	13	5									
100QJL8-48/12	12	2.2	3			66	63	58	52	48	38	29	15	6									
100QJL8-60/16	16	3	4			87	83	76	68	60	44	33	17	7									
100QJL8-83/20	20	4	5.5			119	114	104	94	83	67	52	32	14									
100QJL8-96/24	24	5.5	7.5			132	126	115	104	96	76	57	35	15									
100QJL8-104/26	26	7.5	10			143	137	125	113	104	82	64	39	17									

