



INTELLIGENT FLOW FOR GOOD

**High Efficiency
Intelligent
Borehole Pump
QJ-G**



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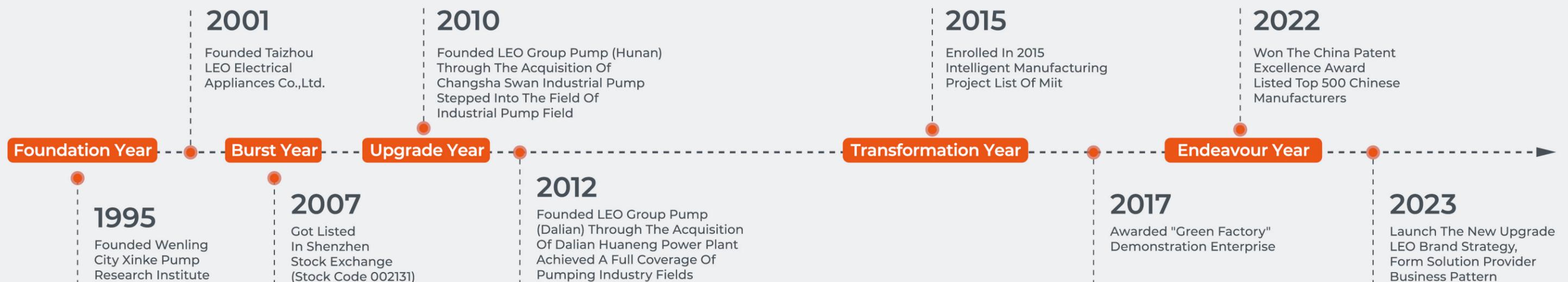


YouTube



Intelligent Flow For Good

As a reliable partner on intelligent fluid solutions, LEO Pump is engaged in R&D, manufacturing, sales and service of all series pumps and systems. By covering the industry of building, municipal, water conservation, power, energy, OEM, domestic and garden, Leo is committed to bring the intelligent water into every industry field and application, helping people around the world enjoy high quality water life, government and business partners achieve green transformation, and promoting high quality economic growth and sustainable social development.



LEO WORLD



LEO IN NUMBERS

5

Production Bases

8

Overseas Subsidiaries

6,000,000⁺

Pumps Produced Yearly

160⁺

Countries

15,000⁺

Global Sales Outlets

500⁺

Million End-users Served

QUALITY MANAGEMENT SYSTEM

- ISO9001:2015 Quality management system
- ISO14001:2015 Environmental management system Certificate
- ISO45001:2018 Occupational health & safety Management system certification
- ISO50001: 2018 Energy management system certificate
- CE. GS. UL. CSA and ETL qualification



ISO 9001



QJ-G

High Efficiency Intelligent Borehole Pump

Identification Codes

4 QJ m 4 - 57 G

- Feature
- Rated Head (m)
- Rated Flow (m³/h)
- Single-Phase Motor
- QJ Series
- Min. Well Diameter: 4"



Product Introduction

LEO's QJ-G permanent magnet Submersible Borehole Pumps are equipped with high-efficiency permanent magnet motors and new generation pumps, offering greater reliability and excellent operation efficiency. These pumps are suitable for various water supply applications such as agricultural irrigation, water plant projects, industrial production, and village drinking water systems.



Operating Conditions

Conveying Medium Temperature	≤40°C
Conveying Medium pH Value	6.5-8.5
Controller Input Voltage	Single-phase 100V-240V
Recommended Submersible Depth	Up to 150m
Medium Quality Requirements	Suspended solids ≤0.01%, particle size ≤0.2mm

Product Features

01
**HIGH EFFICIENCY
AND ENERGY SAVING**

Independent research and development of permanent magnet synchronous motor with higher motor efficiency, offering more output power. Compared to traditional asynchronous motors, it can save more energy.

Compared to traditional technology, it is smaller in size, compact in structure, and patented downhole cone for easy installation and maintenance.

02
**EASY
INSTALLATION**

03
LONG LIFE SPAN

Made with stainless steel, it is corrosion-resistant and wear-resistant. The high-efficiency permanent magnet motor, IP55 protection, and other features ensure a long-lasting pump without stratification issues.

The hydraulic design offers high lift and large flow, providing efficiency that meets or exceeds industry standards to meet various hydrological requirements.

04
**HIGH LIFT
AND LARGE FLOW**

05
**INTELLIGENT
CONTROL**

Can be equipped with a remote control system to achieve frequency conversion speed regulation, constant pressure water supply, and timed on/off, with remote operation capabilities.

Industry-leading wide voltage range operation, suitable for complex power grid conditions.

06
**WIDE VOLTAGE
OPERATION**

07
SAFETY IN USE

Equipped with automatic protection features such as dry run protection, overload protection, under-voltage protection, and phase-loss protection, enhancing operational safety.

The permanent magnet motor design offers high reliability, long lifespan, reduced mechanical wear, increased system stability, and easy maintenance.

08
**HIGH RELIABILITY, EASY
MAINTENANCE**

09
**ENVIRONMENTALLY
FRIENDLY**

The permanent magnet submersible borehole pump operates with high efficiency, low noise, and minimal environmental impact.

Material Features



**Stainless steel exterior parts
Effective rust prevention**

The outer surface parts are all made of stainless steel, which has stronger, Strong resistance to rust and corrosion, and can dive up to 150m deep.



High hydraulic strength and durability

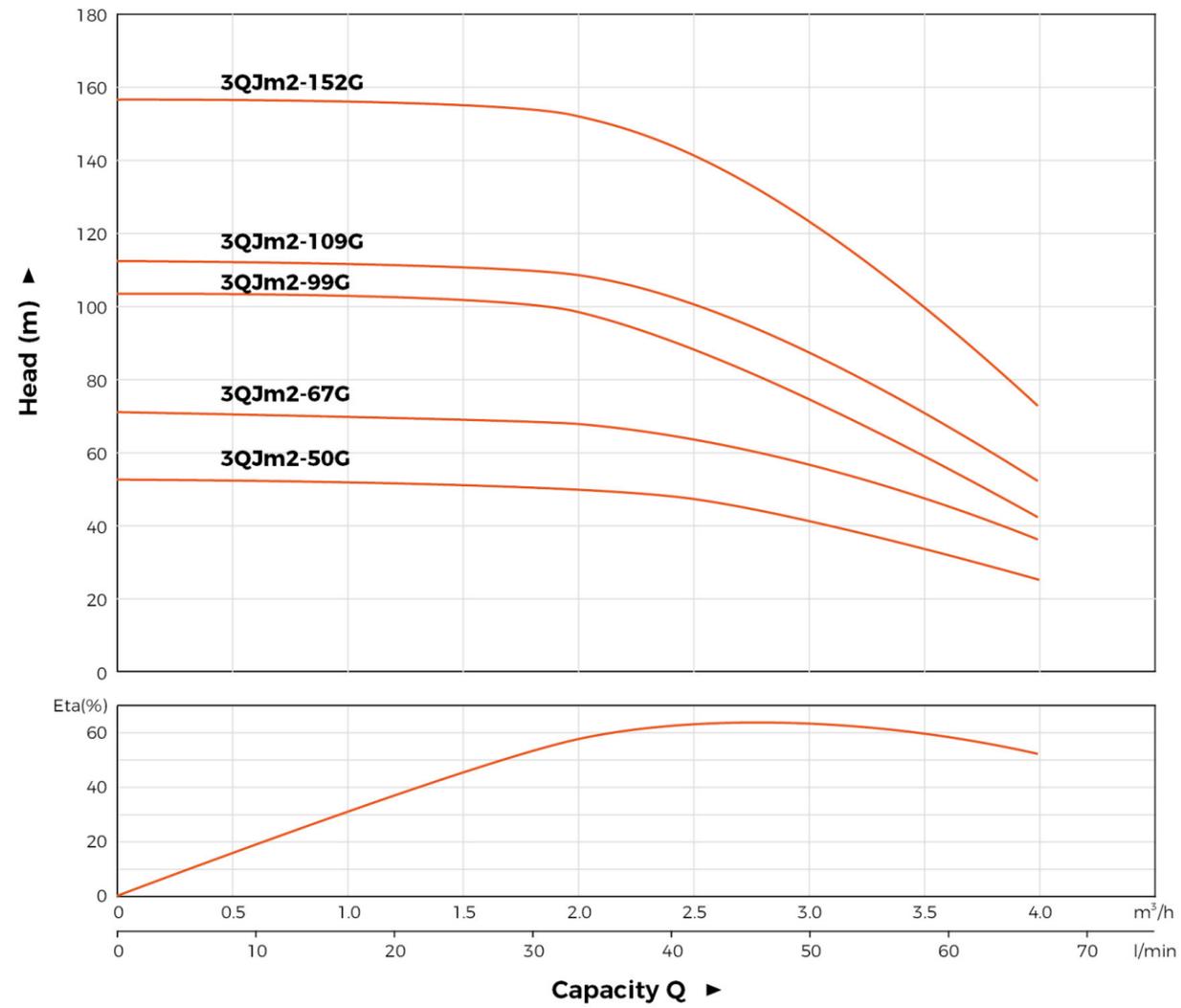
High hydraulic strength and durability further strengthened



**Reinforced screen structure,
not easy to deform**

Reinforcement bars are set around the screen, which makes it less likely to deform under the impact of debris and other debris compared to traditional screens.

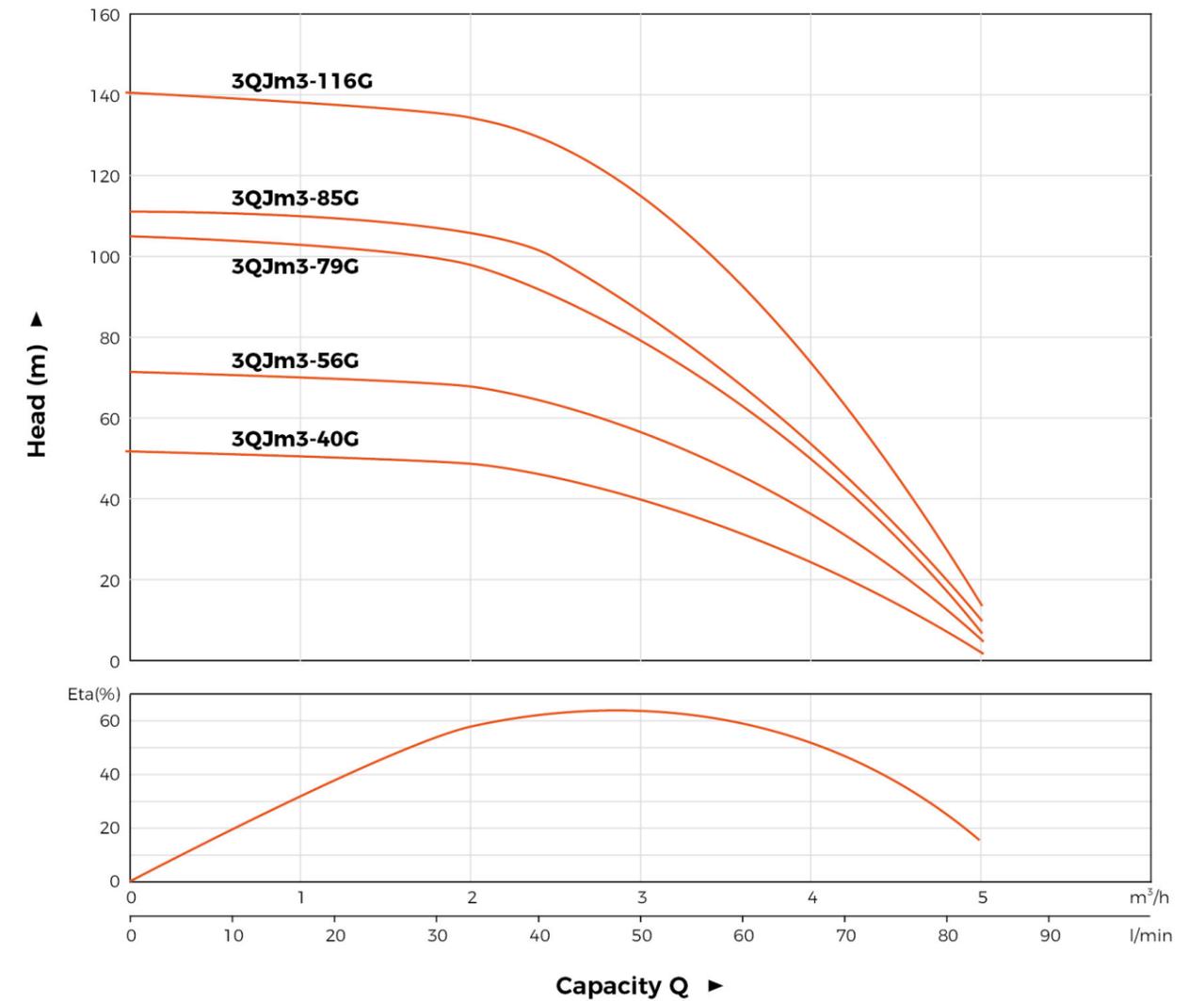
3QJ-2



Technical Data

Model	Power		DELIVERY n=4000 rpm								
	kW	HP	Q(m³/h)	0	1	1.5	2	2.5	3	3.5	4
			Q(l/min)	0	16.7	25	33.3	41.7	50	58.3	66.7
3QJm2-50G	0.37	0.5	H (m)	53	52	51.5	50	47	41	33	25
3QJm2-67G	0.55	0.75		71	70	69	67	63	57	47	36
3QJm2-99G	0.75	1.0		104	103	102	99	88	74	58	42
3QJm2-109G	1.1	1.5		112	112	111	109	101	87	70	52
3QJm2-152G	1.5	2.0		157	156	155	152	141	124	100	73

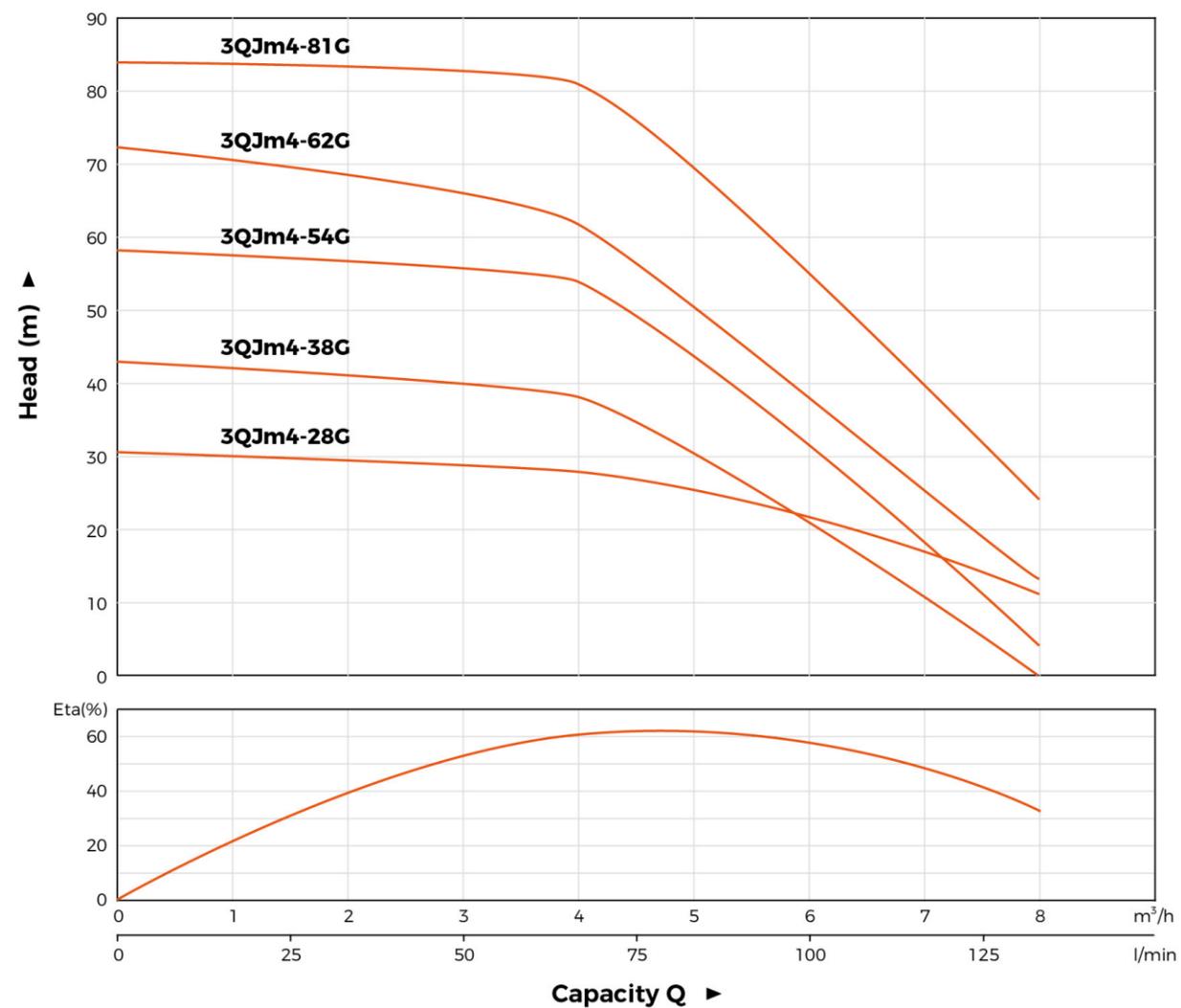
3QJ-3



Technical Data

Model	Power		DELIVERY n=4000 rpm								
	kW	HP	Q(m³/h)	0	1.0	2.0	2.5	3	3.5	4	5
			Q(l/min)	0	16.7	33.3	41.7	50	58.3	66.7	83.3
3QJm3-40G	0.37	0.5	H (m)	51	51	49	46	40	33	24	1
3QJm3-56G	0.55	0.75		71	70	68	63	56	48	37	5
3QJm3-79G	0.75	1.0		105	103	98	90	79	66	50	7
3QJm3-85G	1.1	1.5		111	110	107	99	85	71	54	10
3QJm3-116G	1.5	2.0		140	138	134	127	116	98	74	13

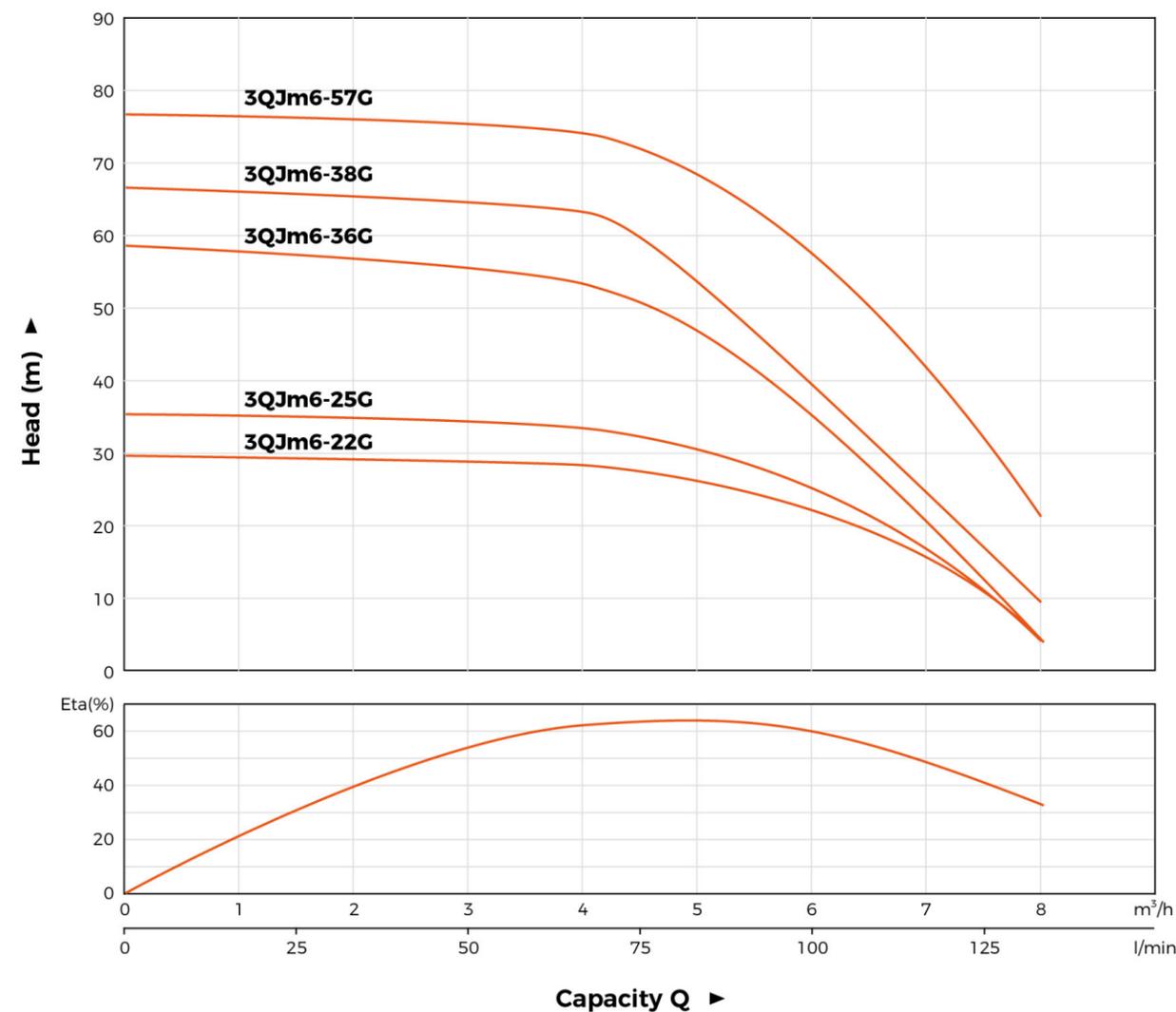
3QJ-4



Technical Data

Model	Power		DELIVERY n=4000 rpm							
	kW	HP	Q(m³/h)	0	1.5	3	4	5	6.5	8
			Q(l/min)	0	25	50	66.7	83.3	108.3	133.3
3QJm4-28G	0.37	0.5	H (m)	30	29.5	29	28	25.5	18.5	11
3QJm4-38G	0.55	0.75		43	41.5	40	38	31	15	-
3QJm4-54G	0.75	1.0		58	57	56	54	43.5	26	4
3QJm4-62G	1.1	1.5		72	69	66	62	50	32	13.5
3QJm4-81G	1.5	2.0		84	83	83	81	70	47	24

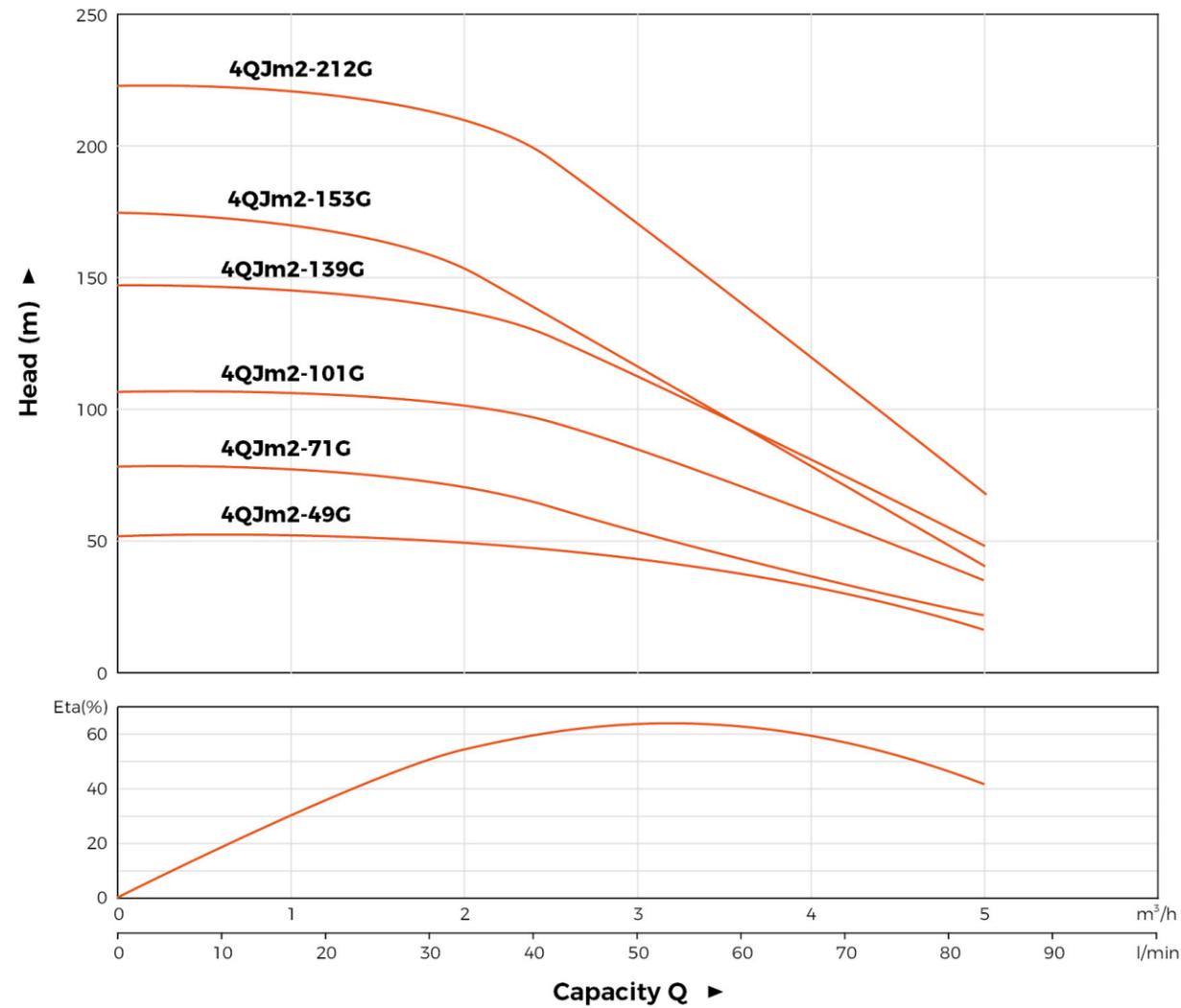
3QJ-6



Technical Data

Model	Power		DELIVERY n=4000 rpm										
	kW	HP	Q(m³/h)	0	2	4	5	5.5	6	6.5	7	8	
			Q(l/min)	0	33.3	66.7	83.3	91.7	100	108.3	116.7	133.3	
3QJm6-22G	0.37	0.5	H (m)	29	28.5	28	25	23.5	22	19	15	4	
3QJm6-25G	0.55	0.75		35	34	33	30	28	25	21	17	4	
3QJm6-36G	0.75	1.0		58	56	53	46	41	35	26.5	18	4	
3QJm6-38G	1.1	1.5		66	65	63	52	45	38	30	23	9	
3QJm6-57G	1.5	2.0		76	75	74	68	63	57	50	42	21	

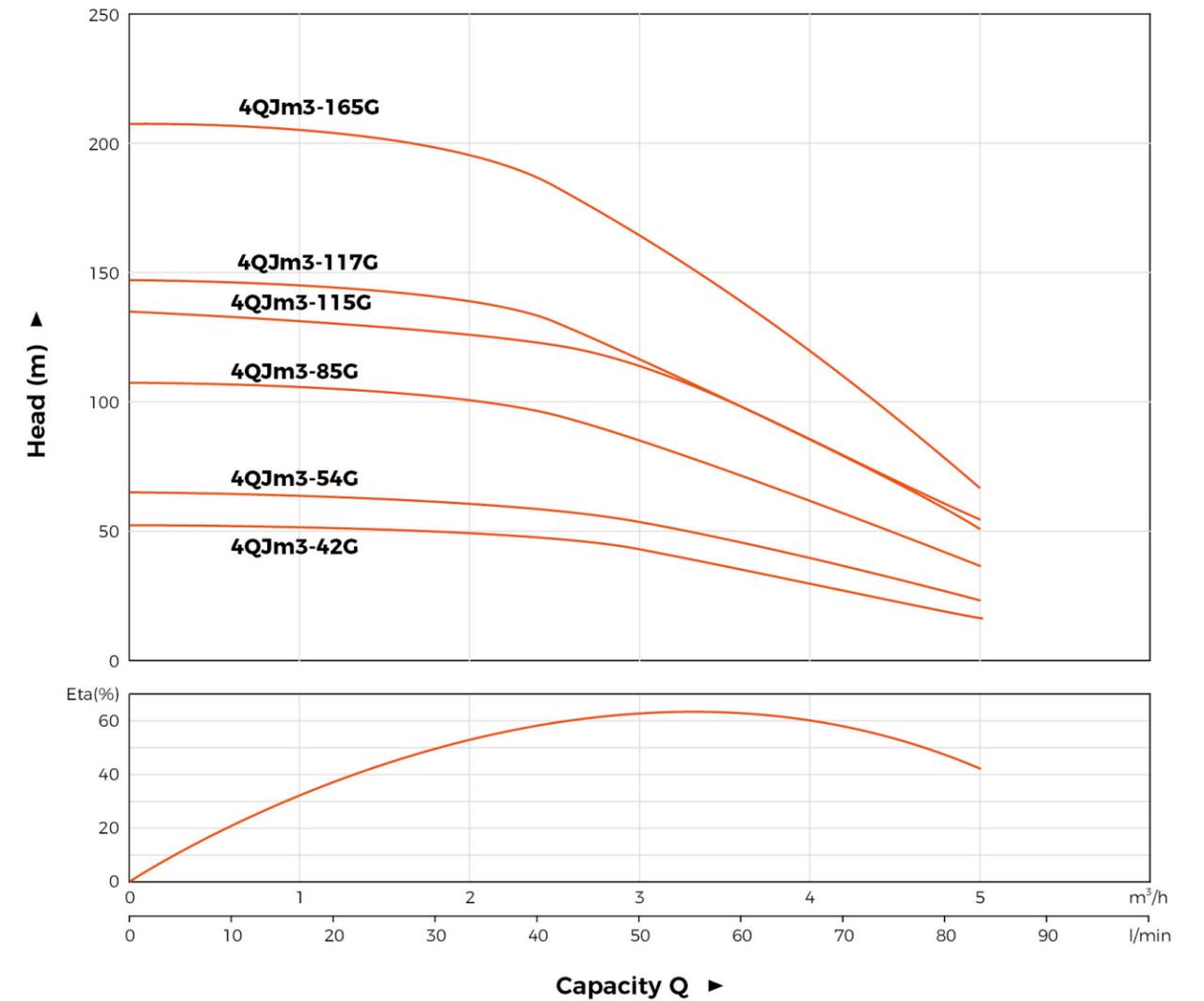
4QJ-2



Technical Data

Model	Power		DELIVERY n=4000 rpm								
	kW	HP	Q(m³/h)	0	1	1.5	2	2.5	3	4	5
			Q(l/min)	0	16.7	25	33.3	41.7	50	66.7	83.3
4QJm2-49G	0.37	0.5	H (m)	51.5	51	50	49	46	42	30.5	17
4QJm2-71G	0.55	0.75		78	77	75	71	63	53	35	20
4QJm2-101G	0.75	1.0		106	105	103.5	101	94.5	85	61	36
4QJm2-139G	1.1	1.5		146	145	143.5	139	128	114	80.5	48
4QJm2-153G	1.5	2.0		174	171	163.5	153	135.5	116	78	40
4QJm2-212G	2.2	3.0		223	221	218	212	195	171	120	68

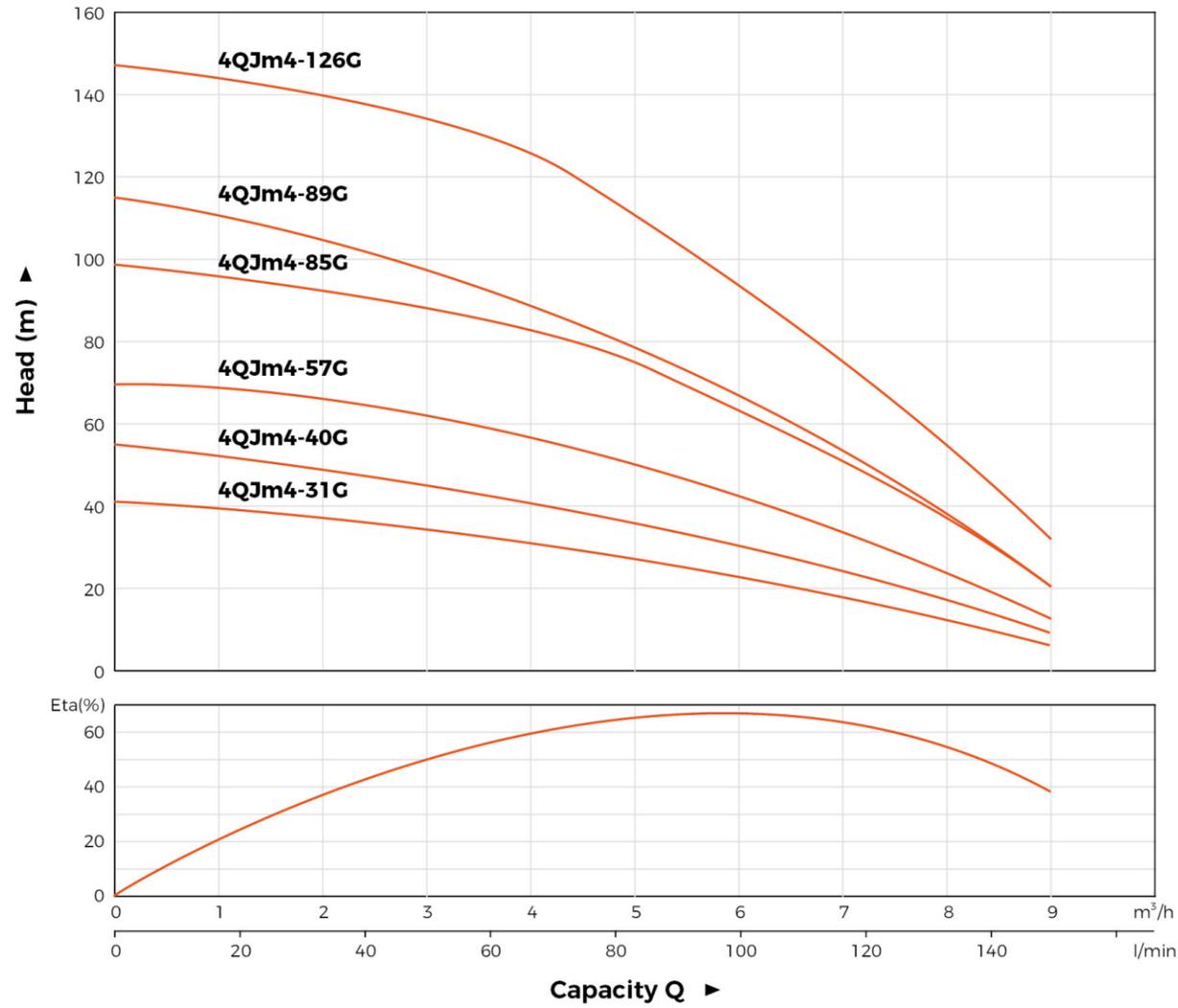
4QJ-3



Technical Data

Model	Power		DELIVERY n=4000 rpm								
	kW	HP	Q(m³/h)	0	1	2	2.5	3	3.5	4	5
			Q(l/min)	0	16.7	33.3	41.7	50	58.3	66.7	83.3
4QJm3-42G	0.37	0.5	H (m)	51.5	51	49	46	42	35	28	16
4QJm3-54G	0.55	0.75		64.5	64	61	58	54	47	40	23.5
4QJm3-85G	0.75	1.0		106	105	101	94.5	85	73	61	36
4QJm3-115G	1.1	1.5		134	132	127	122	115	100	83.5	54
4QJm3-117G	1.5	2.0		146	145	140	130.5	117	102	86	51
4QJm3-165G	2.2	3.0		209	207	197	183	165	144	121	67

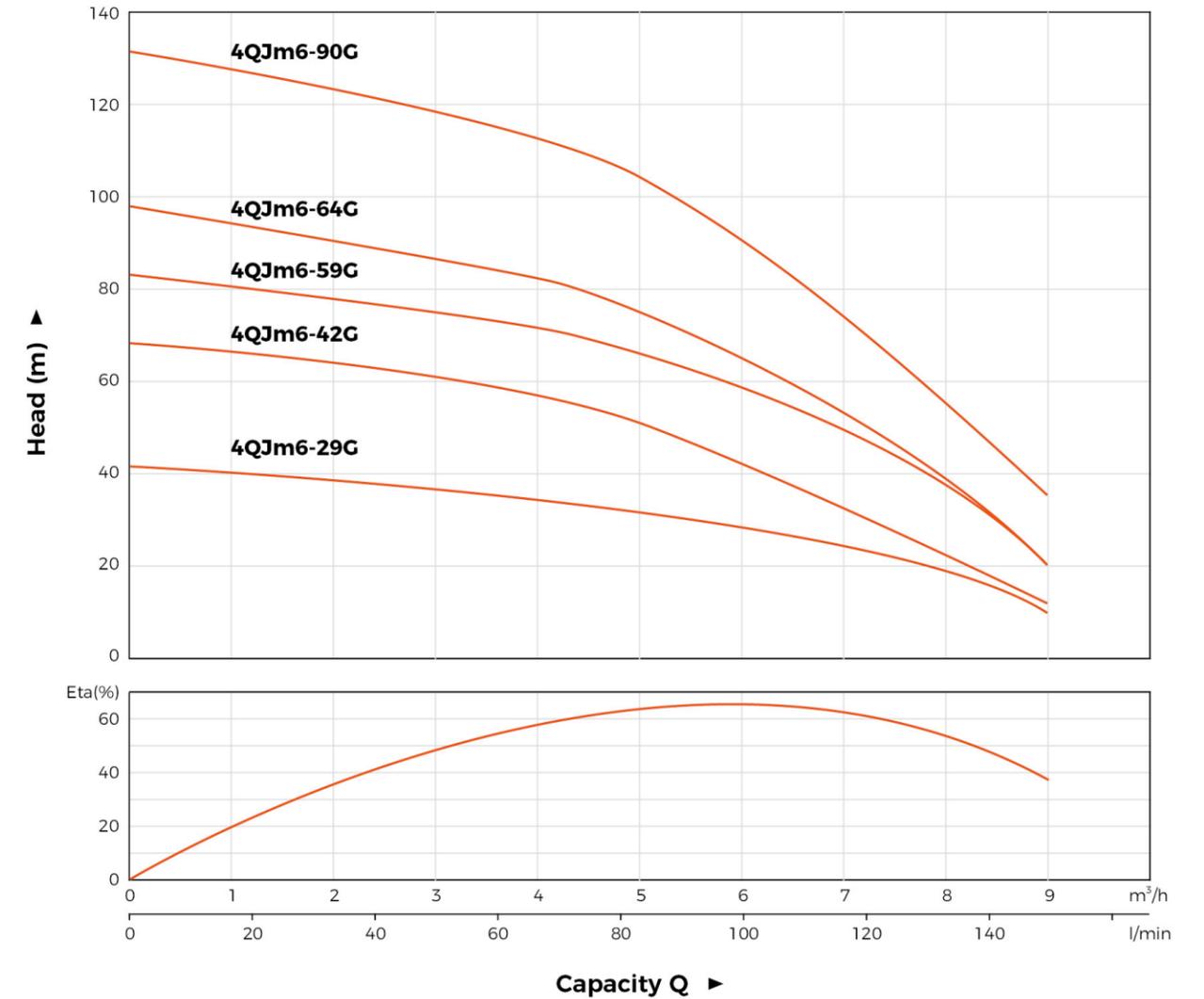
4QJ-4



Technical Data

Model	Power		DELIVERY n=4000 rpm									
	kW	HP	Q(m³/h)	0	1	2	3	4	5	6	8	9
			Q(l/min)	0	16.7	33.3	50	66.7	83.3	100	133.3	150
4QJm4-31G	0.37	0.5	H (m)	41	39	37.5	35	31	27	18	13	6.5
4QJm4-40G	0.55	0.75		55	51.5	48	44.5	40	36	24	17	9
4QJm4-57G	0.75	1.0		69	67	64.5	61	57	50	32	22	12
4QJm4-85G	1.1	1.5		98	95	92	89	85	75	51	37	20
4QJm4-89G	1.5	2.0		114.5	110	104	98	89	78	52	38	20
4QJm4-126G	2.2	3.0		147	143	140	134	126	110	75	55	32

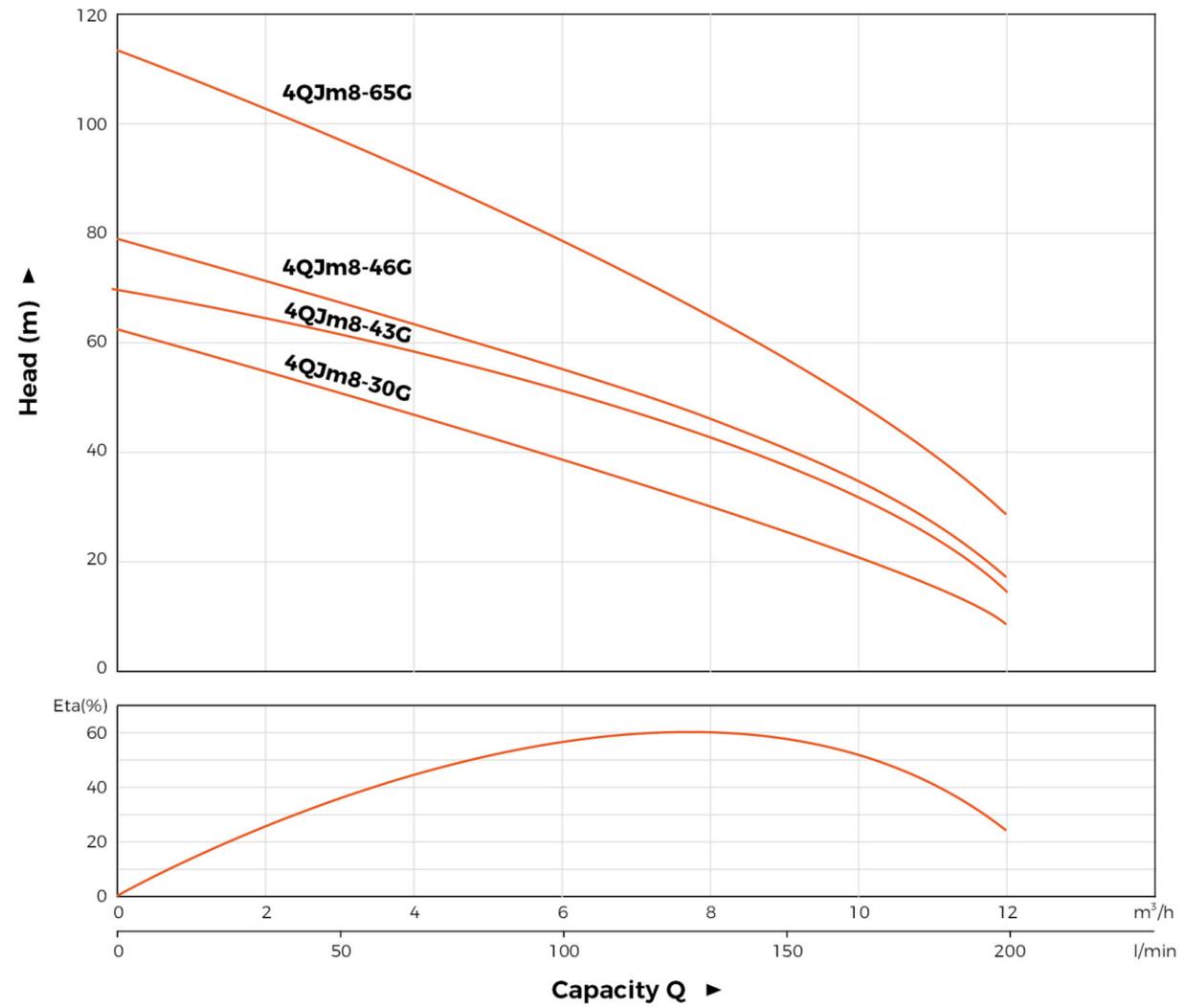
4QJ-6



Technical Data

Model	Power		DELIVERY n=4000 rpm									
	kW	HP	Q(m³/h)	0	2	4	5	6	7	8	9	
			Q(l/min)	0	33.3	66.7	83.3	100	116.7	133.3	150	
4QJm6-29G	0.55	0.75	H (m)	41	38	35	32.5	29	25	20	10	
4QJm6-42G	0.75	1.0		68	64	57	51	42	32	22	12	
4QJm6-59G	1.1	1.5		83	77	71.5	66	59	49	39	20	
4QJm6-64G	1.5	2.0		97	89	82.5	75	64	52.5	40	20	
4QJm6-90G	2.2	3.0		131	122	113	104	90	74	56	35	

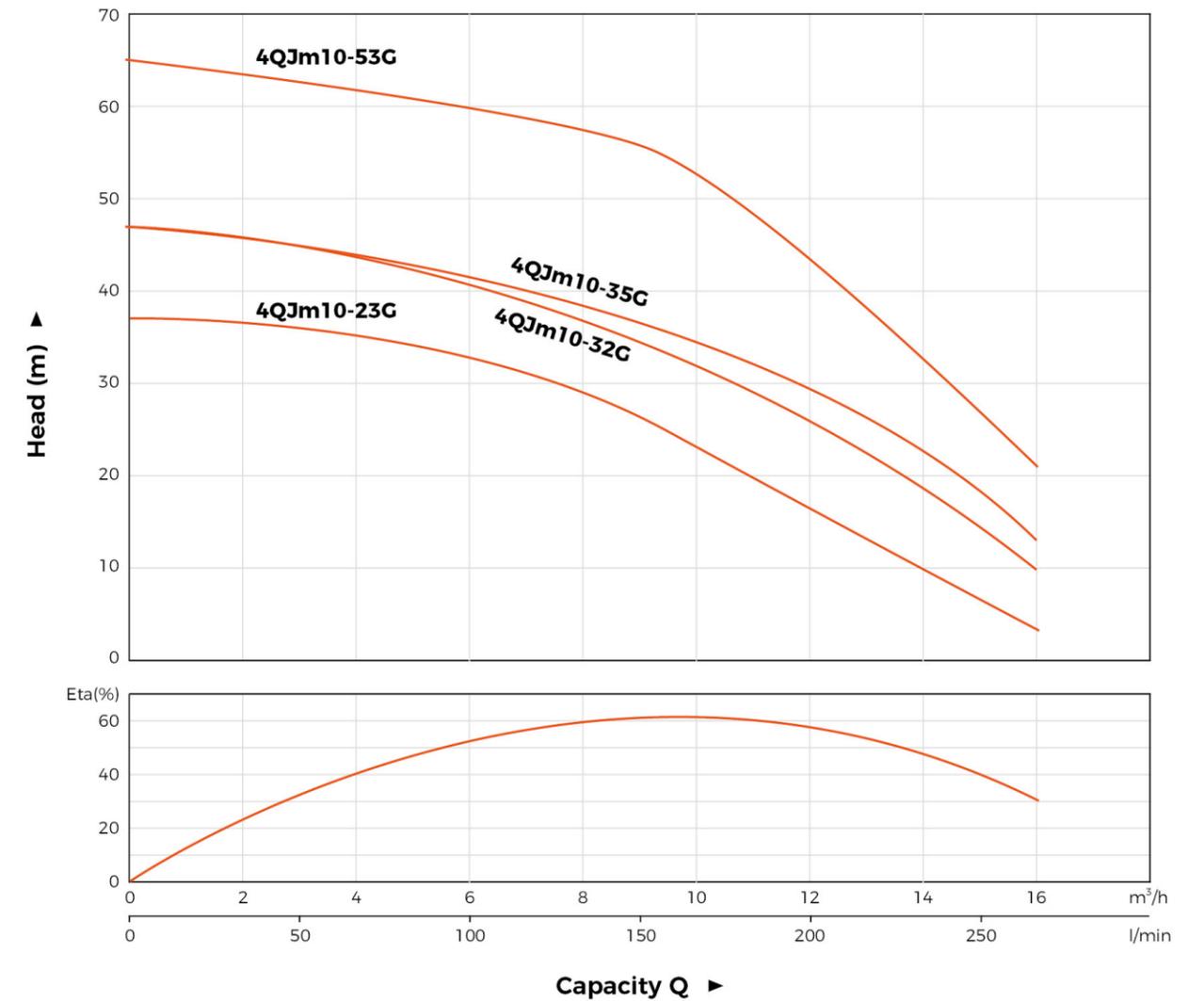
4QJ-8



Technical Data

Model	Power		DELIVERY n=4000 rpm								
	kW	HP	Q(m³/h)	0	2.5	5	7	8	9	10.5	12
			Q(l/min)	0	41.7	83.3	116.7	133.3	150	175	200
4QJm8-30G	0.75	1.0	H (m)	62	52	42	34	30	26	18	8
4QJm8-43G	1.1	1.5		69	63	55	47	43	38	28	14
4QJm8-46G	1.5	2.0		78	68	58	50	46	41	31	17
4QJm8-65G	2.2	3.0		113	100	85	71	65	59	45	28

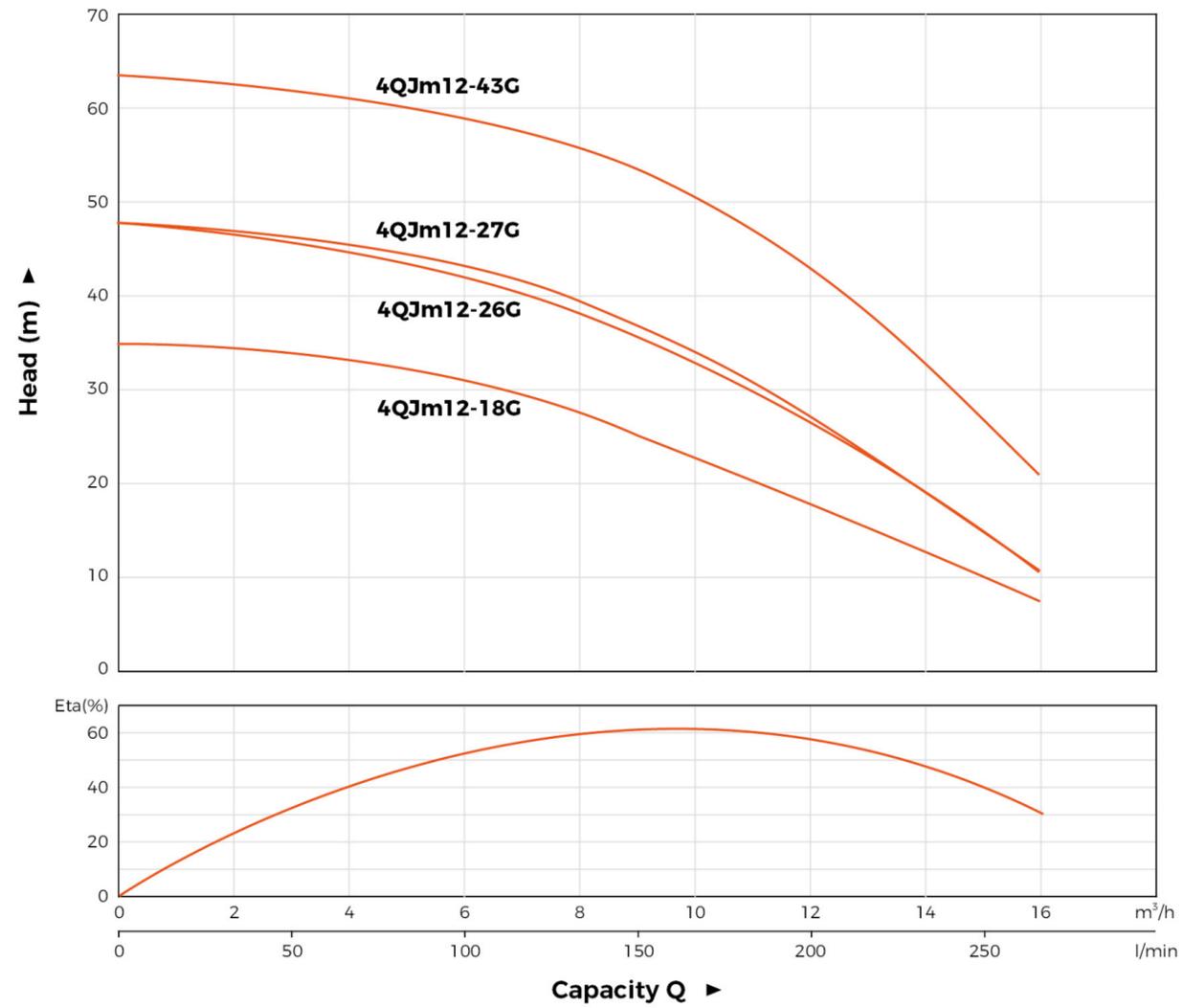
4QJ-10



Technical Data

Model	Power		DELIVERY n=4000 rpm								
	kW	HP	Q(m³/h)	0	3	6	9	10	11	13	16
			Q(l/min)	0	50	100	150	166.7	183.3	216.7	266.7
4QJm10-23G	0.75	1.0	H (m)	37	36	33	26	23	20	13	3
4QJm10-32G	1.1	1.5		47	45	41	34.5	32	29	22	10
4QJm10-35G	1.5	2.0		47	45	41	37	35	32	26	13
4QJm10-53G	2.2	3.0		65	63	60	56	53	49	38	21

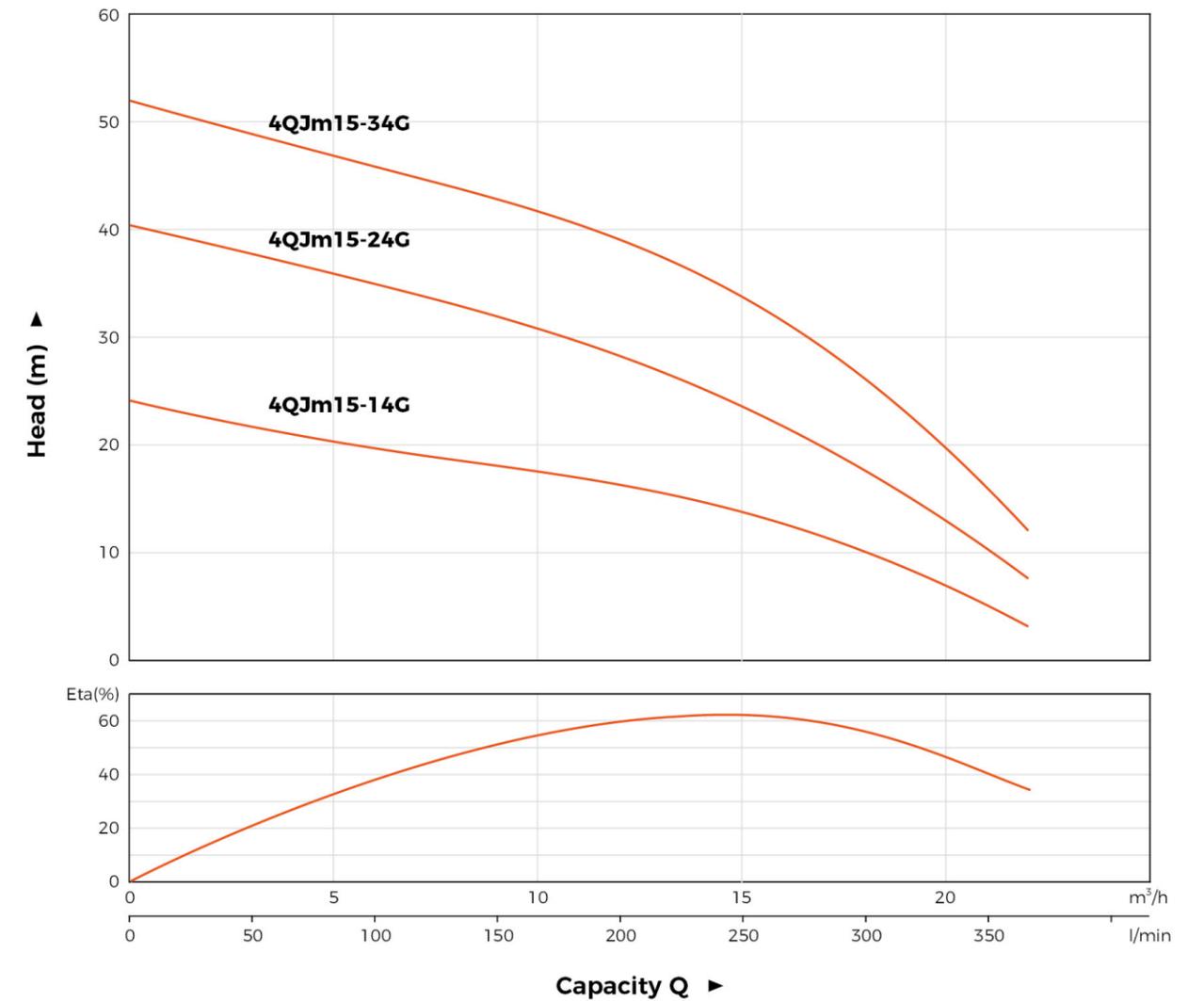
4QJ-12



Technical Data

Model	Power		DELIVERY n=4000 rpm									
	kW	HP	Q(m³/h)	0	3	6	9	11	12	13	14	16
			Q(l/min)	0	50	100	150	183.3	200	216.7	233.3	266.7
4QJm12-18G	0.75	1.0	H (m)	35	34	31	25	20.5	18	15.5	13	7
4QJm12-26G	1.1	1.5		47.5	46	42	36	30	26	22	18	10
4QJm12-27G	1.5	2.0		47.5	46	43.5	37	31	27	23	18.5	10.5
4QJm12-43G	2.2	3.0		63.5	62	59	54	47.5	43	38.5	33	21

4QJ-15

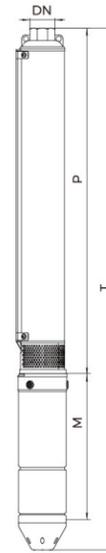


Technical Data

Model	Power		DELIVERY n=4000 rpm							
	kW	HP	Q(m³/h)	0	6	12	15	18	20	22
			Q(l/min)	0	100	200	250	300	333.3	366.7
4QJm15-14G	0.75	1.0	H (m)	24	20	16	14	10	7	3
4QJm15-24G	1.1	1.5		40.5	35	28	24	17.5	12.5	7.6
4QJm15-34G	1.5	2.0		52	46	39	34	26	20	12

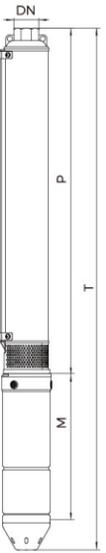
3QJ-2

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
3QJm2-50G	1"	391	214	646	5.4
3QJm2-67G	1"	446.5	214	701.5	5.6
3QJm2-99G	1"	590.5	214	845.5	6.3
3QJm2-109G	1"	618	214	873	6.5
3QJm2-152G	1"	757	224	1022	7.5



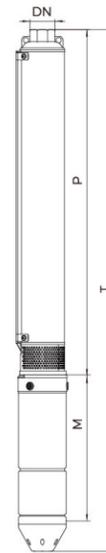
3QJ-6

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
3QJm6-22G	1¼"	333.5	214	588.5	5.1
3QJm6-25G	1¼"	367	214	622	5.2
3QJm6-36G	1¼"	467.5	214	722.5	5.7
3QJm6-38G	1¼"	501	214	756	5.9
3QJm6-57G	1¼"	534.5	224	799.5	6.4



3QJ-3

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
3QJm3-40G	1"	391	214	646	5.4
3QJm3-56G	1"	446.5	214	701.5	5.6
3QJm3-79G	1"	590.5	214	845.5	6.3
3QJm3-85G	1"	618	214	873	6.5
3QJm3-116G	1"	701.5	224	966.5	7.2



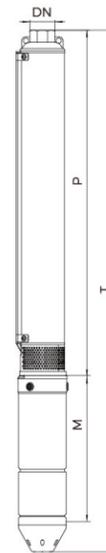
4QJ-2

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
4QJm2-49G	1¼"	307.5	252	624.5	8.1
4QJm2-71G	1¼"	358.5	252	675.5	8.4
4QJm2-101G	1¼"	409.5	252	726.5	8.8
4QJm2-139G	1¼"	521.5	252	838.5	9.5
4QJm2-153G	1¼"	572.5	252	889.5	9.9
4QJm2-212G	1¼"	649	262	976	10.9



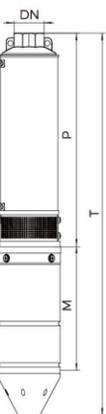
3QJ-4

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
3QJm4-28G	1¼"	333.5	214	588.5	5.4
3QJm4-38G	1¼"	400.5	214	655.5	6.5
3QJm4-54G	1¼"	467.5	214	722.5	5.7
3QJm4-62G	1¼"	534.5	214	789.5	6
3QJm4-81G	1¼"	603.5	224	868.5	8



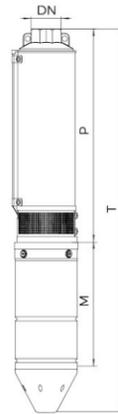
4QJ-3

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
4QJm3-42G	1¼"	307.5	252	624.5	8.1
4QJm3-54G	1¼"	333	252	650	8.3
4QJm3-85G	1¼"	409.5	252	726.5	8.8
4QJm3-115G	1¼"	460.5	252	777.5	9.2
4QJm3-117G	1¼"	521.5	252	838.5	9.5
4QJm3-165G	1¼"	623.5	262	950.5	10.7



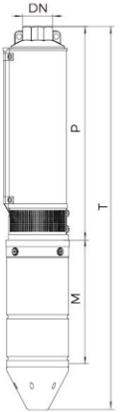
4QJ-4

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
4QJm4-31G	1¼"	295.5	252	612.5	8
4QJm4-40G	1¼"	325.5	252	642.5	8.2
4QJm4-57G	1¼"	355.5	252	672.5	8.4
4QJm4-85G	1¼"	415	252	732	8.8
4QJm4-89G	1¼"	445	252	762	9
4QJm4-126G	1¼"	505	262	832	9.8



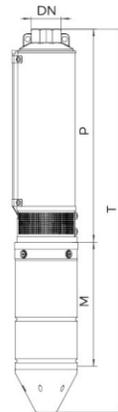
4QJ-10

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
4QJm10-23G	2"	319.5	252	636.5	8.1
4QJm10-32G	2"	357.5	252	674.5	8.4
4QJm10-35G	2"	357.5	252	674.5	8.4
4QJm10-53G	2"	395.5	262	722.5	9



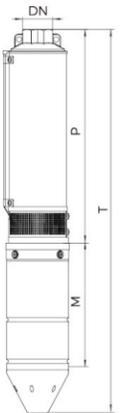
4QJ-6

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
4QJm6-29G	1½"	295.5	252	612.5	8
4QJm6-42G	1½"	355.5	252	672.5	8.4
4QJm6-59G	1½"	385	252	702	8.6
4QJm6-64G	1½"	415	252	732	8.8
4QJm6-90G	1½"	475	262	802	9.6



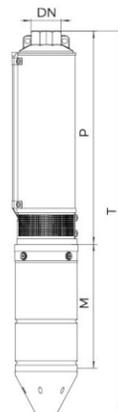
4QJ-12

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
4QJm12-18G	2"	319.5	252	636.5	8.1
4QJm12-26G	2"	357.5	252	674.5	8.4
4QJm12-27G	2"	357.5	252	674.5	8.4
4QJm12-43G	2"	395.5	262	722.5	9



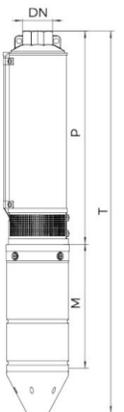
4QJ-8

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
4QJm8-30G	1½"	358.5	252	675.5	7.9
4QJm8-43G	1½"	389	252	706	8.1
4QJm8-46G	1½"	419.5	252	736.5	8.3
4QJm8-65G	1½"	511	262	838	9.7



4QJ-15

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
4QJm15-14G	2"	354.5	252	671.5	8.4
4QJm15-24G	2"	421.5	252	738.5	8.8
4QJm15-34G	2"	488.5	262	815.5	9.7



PUMP RANGE

Peripheral Pump



Self-Priming Peripheral Pump



Jet Pump



Jet Pump for Deep Wells



Centrifugal Pump



Multistage Centrifugal Pump



Horizontal Multistage Centrifugal Pump



Permanent Magnet Intelligent Booster



Self-Priming Centrifugal Pump



Submersible Pump



Domestic Lifting Station



Pool Pump



Garden Jet Pump



Garden Pressure System



Fountain Pump



Garden Submersible Pump



Petrol Lawnmowers



Wall-Mounted Gas Boiler Pump



Circulation Pump



Booster Pump



Stainless Steel Centrifugal Pump



Semi-open Impeller Stainless Steel Centrifugal Pump



Stainless Steel Horizontal Multistage Pump



Intelligent Pressure Booster System



Vertical Multistage Pump



Pressure Booster System



Stainless Steel Standard Centrifugal Pump



Standard Centrifugal Pump



End Suction Centrifugal Pump



Vertical In-line Pump



PUMP RANGE

Submersible Sewage Pump



Submersible Dewatering Pump



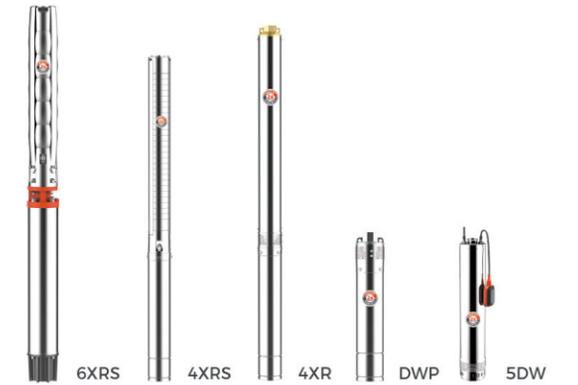
Submersible Slurry Pump



Gasoline/Diesel Water Pump



Submersible Borehole Pump 2", 2.5", 3", 4", 5", 6"



Solar Pumping System

