



INTELLIGENT FLOW FOR GOOD

High Efficiency Intelligent Borehole Pump



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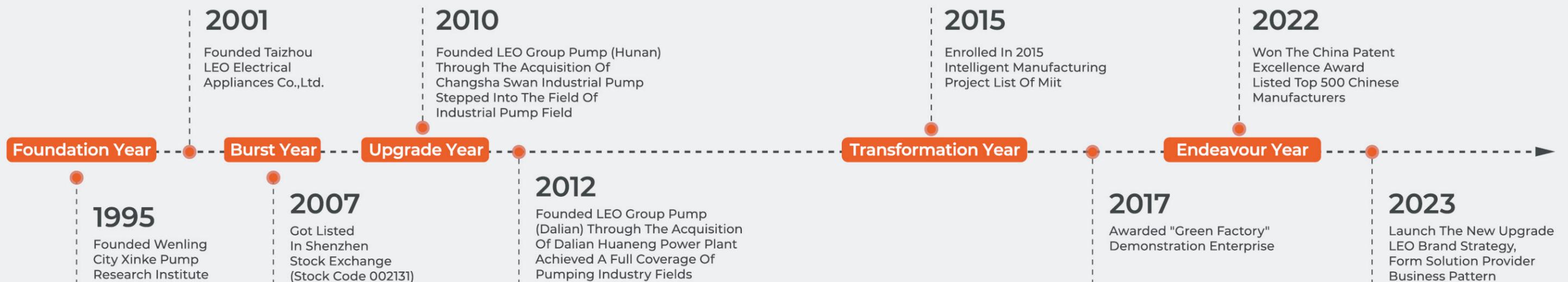


YouTube



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

9

Overseas Subsidiaries

6,000,000⁺

Pumps Produced Yearly

150⁺

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

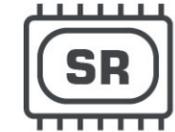
Pump Features



Motor efficiency 88%, energy saving 15.6%, save 1 dollar per hour



Permanent Magnet



Sand-resistant fluid design for new wells



190V - 530V operation, industry-leading



Patented downhole cone, volume -21%, more convenient installation



One-touch control, FM water dispenser

Identification Codes

4 QJ 10 - 280 G

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



4QJ

6QJ

Application

- Deep groundwater withdrawals
- Water pumping for daily household use
- Brine, hot spring water extraction
- Agricultural water intake for irrigation
- Water supply for farming
- Water supply from rivers and reservoirs
- Mining, exploration and drainage



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.

Motor Features

- 01** Small size and light weight: easy to maintain downhole.
- 02** Permanent magnet synchronous motor: high efficiency, energy-saving and power saving.
- 03** High dynamic balance precision rotor: low vibration, stable operation, long mechanical life.
- 04** Shaft end double seals: mechanical seal + skeleton oil seal.



- 05** N38SH neodymium-iron-boron permanent magnets: strong magnetism, will not demagnetize, high efficiency and long life of the motor
- 06** Oil-filled all-copper motor: stronger power, not easy to burn the machine
- 07** Rotor reinforcement: spline end is made of 630 material, high strength
- 08** Pairs of angular contact bearings: can withstand high-strength axial force, angular contact bearings with close fit, long life under high lift conditions.

Function

- LED display shows real-time working status
- Automatic frequency conversion function
- Soft start
- Constant voltage function
- Pressure start/stop function
- Timing function
- Multiple protection

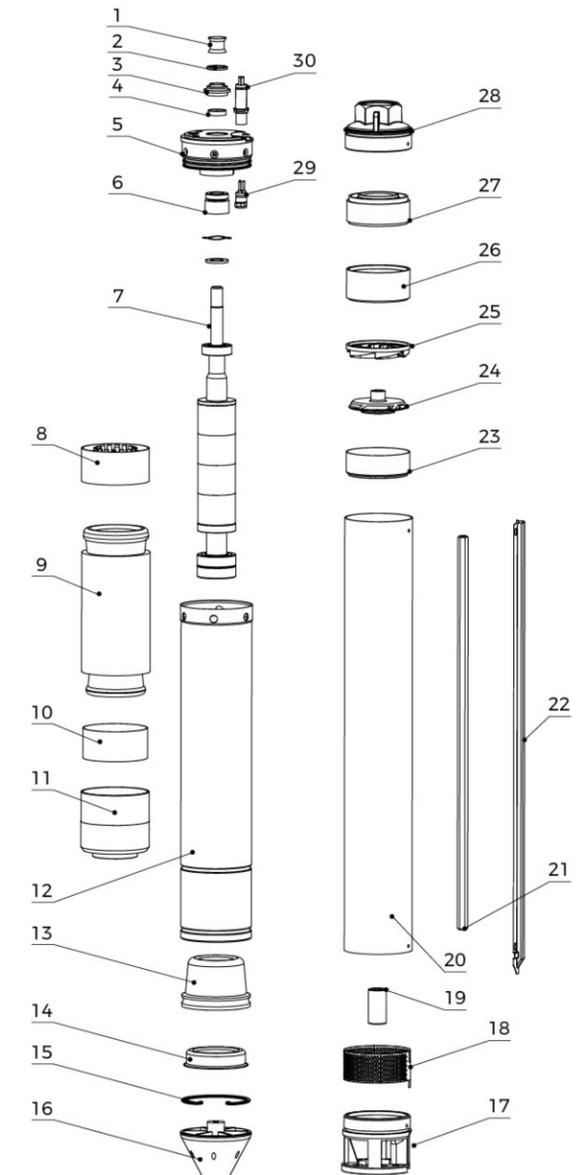


Characteristics

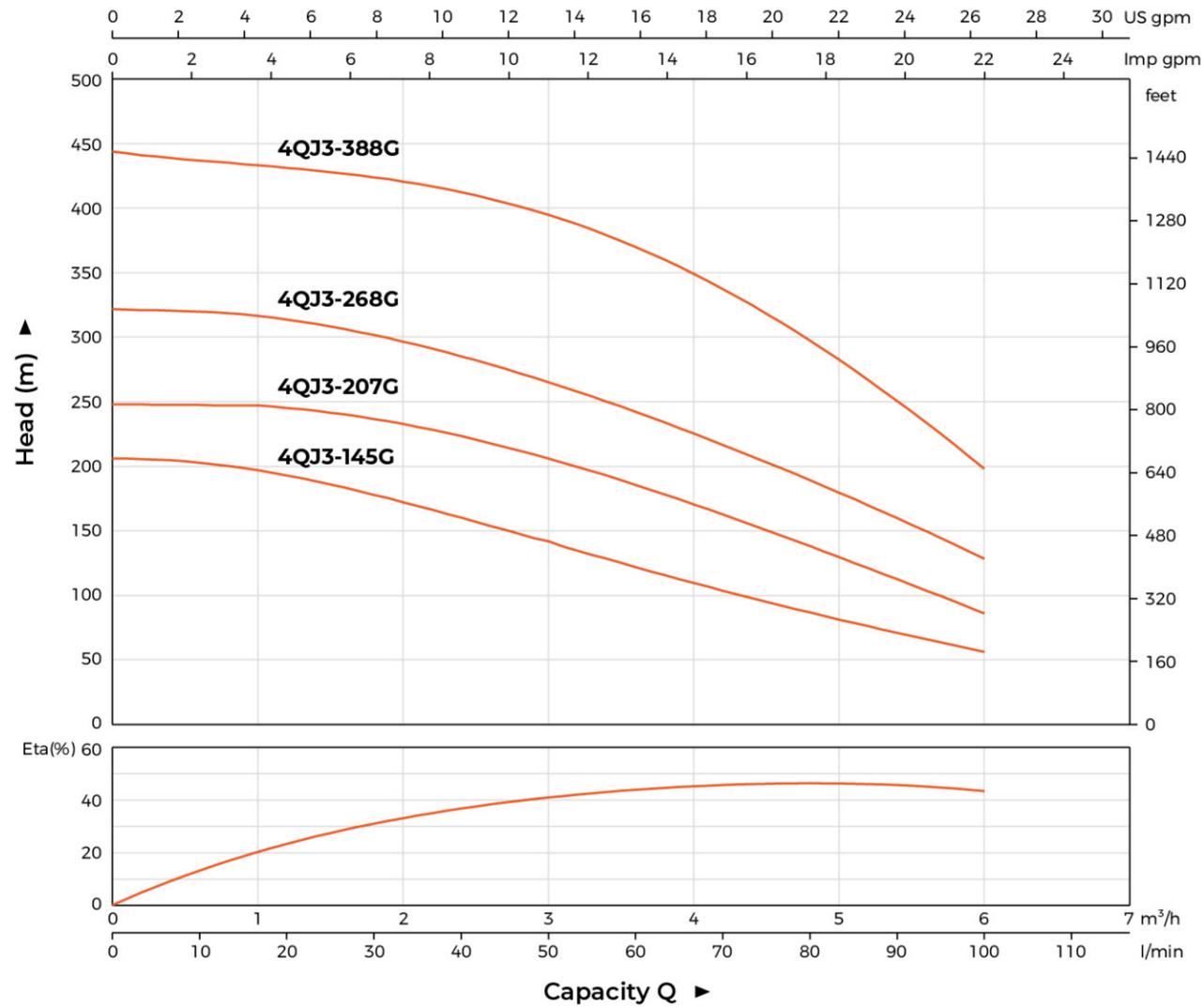
- Suitable for high speed well pumps
- Easy and low cost installation
- Simple operation and low maintenance
- Altitude up to 3000 m
- Ambient temperature between -15°C and +60°C
- Humidity less than 95% RH
- Indoor environment and no hazardous substances.
- Protection class: IP55

Material Table

No.	Part
1	Anti-sanding sleeve
2	Litter mat
3	Anti-sandstone
4	Skeleton seal
5	Topside cover
6	Mechanical seal
7	Rotor
8	Upper jacket
9	Winded stator core
10	Lower jacket
11	Lower bearing seat
12	Barrel
13	Oil change
14	Bottom cover
15	Steel wire retaining ring
16	Pilot cone
17	Water intake festival
18	A sieve
19	Coupling
20	Pump cylinder
21	Pump shaft
22	Cable guard
23	Flow channel
24	Impeller
25	Guide vane
26	Bearing seat
27	Check valve
28	Extrusion chamber
29	Interpolation line
30	Power cable



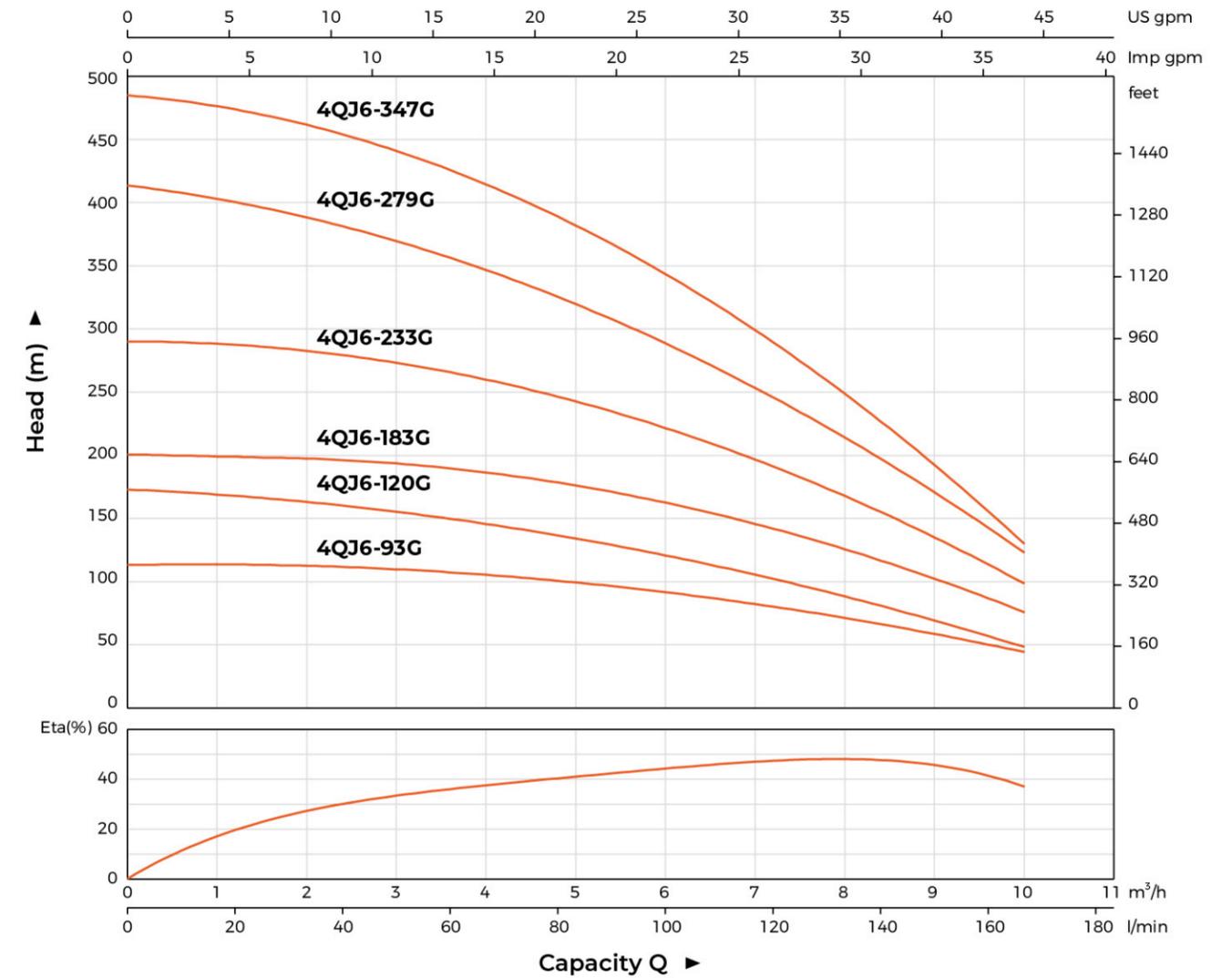
4QJ-3



Technical Data

Model	Power		Impeller Progression	Rated Voltage V	Rated Speed r/min	Rated Flow m³/h	Max. Flow m³/h	Rated Head m	Max. Head m	Rated Current A
	kW	HP								
4QJ3-145G	2.2	3	8	380	6500	3	8	145	212	6.5
4QJ3-207G	3	4	9	380	6500	3	8	207	247	8
4QJ3-268G	4	5.5	12	380	6500	3	8	268	322	11.6
4QJ3-388G	5.5	7.5	16	380	6500	3	8	388	444	15.5

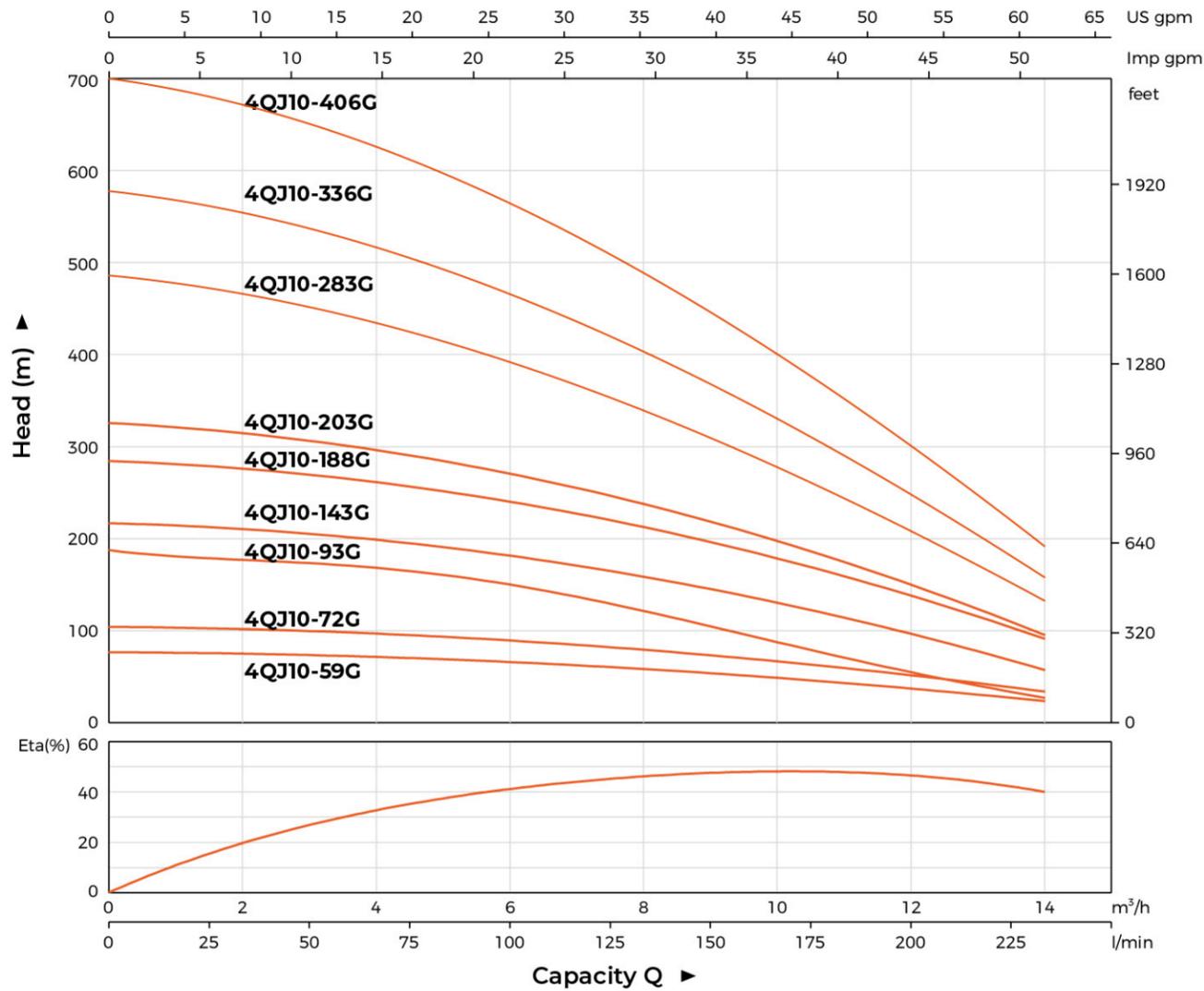
4QJ-6



Technical Data

Model	Power		Impeller Progression	Rated Voltage V	Rated Speed r/min	Rated Flow m³/h	Max. Flow m³/h	Rated Head m	Max. Head m	Rated Current A
	kW	HP								
4QJ6-93G	2.2	3	4	380	6500	6	12	93	116	6.5
4QJ6-120G	3	4	6	380	6500	6	12	120	173	8
4QJ6-183G	4	5.5	8	380	6500	6	12	183	239	11.6
4QJ6-223G	5.5	7.5	10	380	6500	6	12	223	290	15.5
4QJ6-279G	7.5	10	14	380	6500	6	12	279	413	21
4QJ6-347G	11	15	16	380	6500	6	12	347	480	23.5

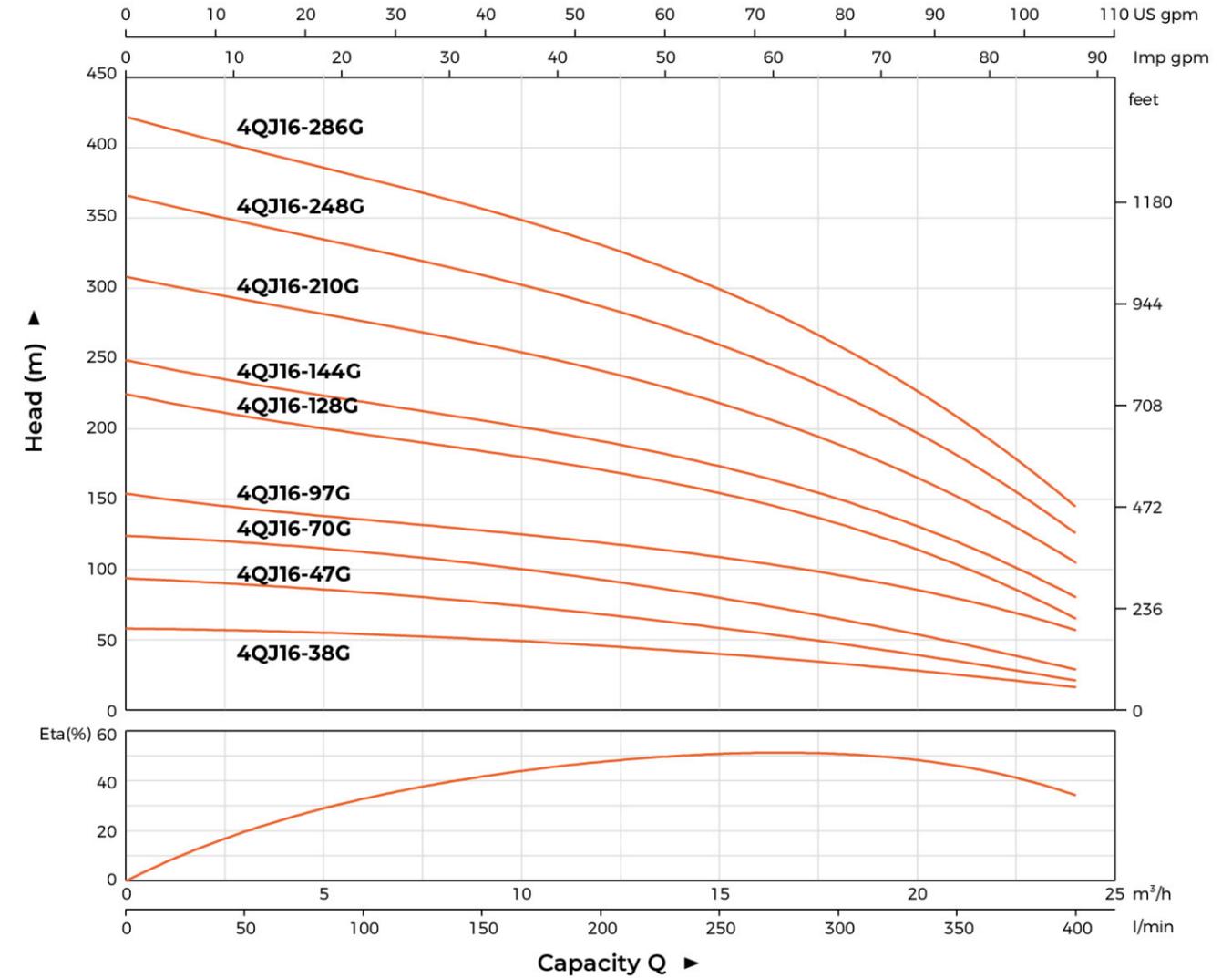
4QJ-10



Technical Data

Model	Power		impeller Progression	Rated Voltage	Rated Speed	Rated Flow	Max. Flow	Rated Head	Max. Head	Rated Current
	kW	HP		V	r/min	m³/h	m³/h	m	m	
4QJ10-59G	2.2	3	3	380	6500	10	18	59	86	6.5
4QJ10-72G	3	4	4	380	6500	10	18	72	115	8
4QJ10-93G	4	5.5	6	380	6500	10	18	93	196	11.6
4QJ10-143G	5.5	7.5	8	380	6500	10	18	143	225	15.5
4QJ10-188G	7.5	10	10	380	6500	10	18	188	292	21
4QJ10-203G	11	15	12	380	6500	10	18	203	333	23.5
4QJ10-283G	13	17.5	16	380	6500	10	18	283	490	32
4QJ10-336G	15	20	19	380	6500	10	18	336	582	38
4QJ10-406G	18.5	25	23	380	6500	10	18	406	704	45

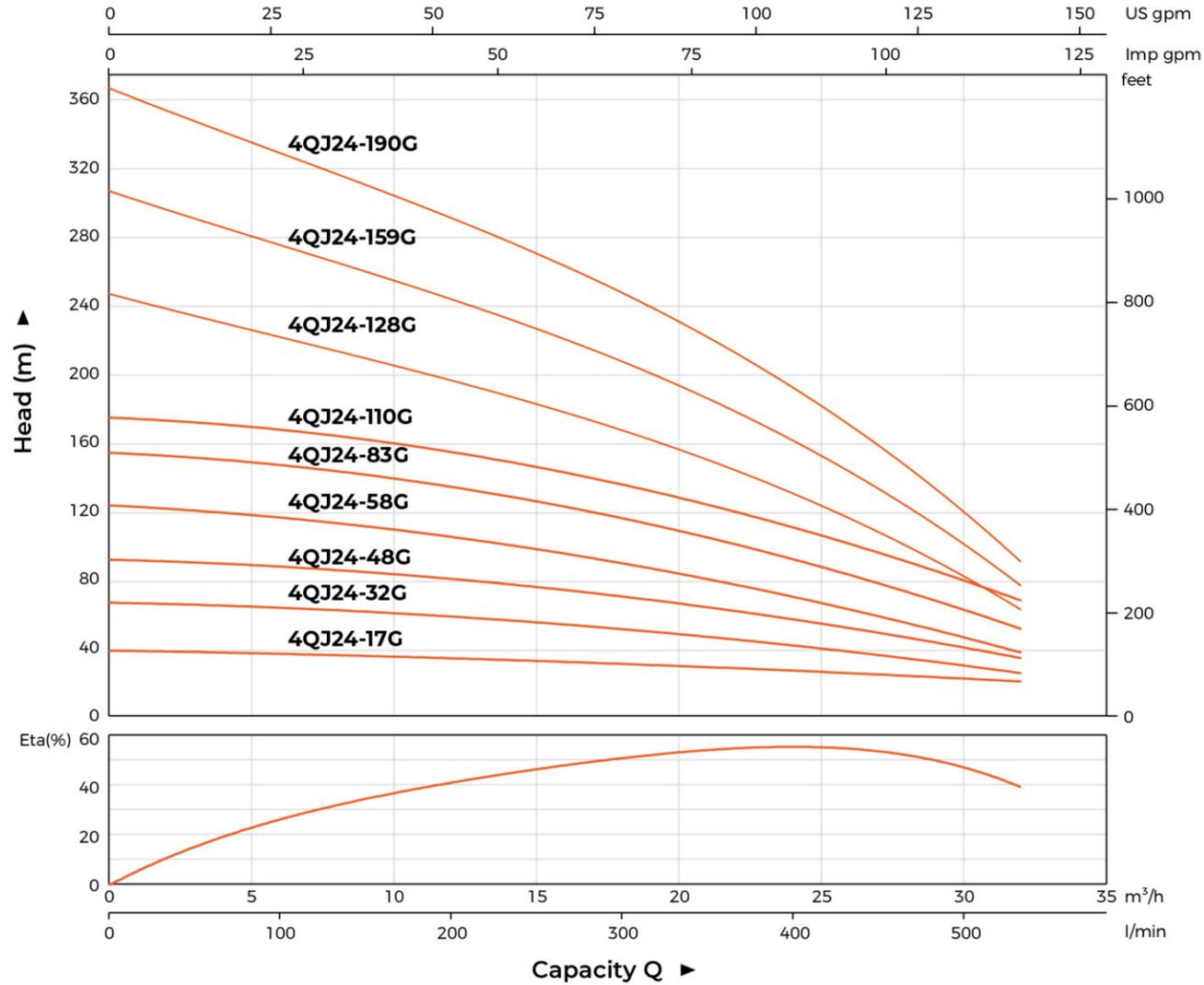
4QJ-16



Technical Data

Model	Power		impeller Progression	Rated Voltage	Rated Speed	Rated Flow	Max. Flow	Rated Head	Max. Head	Rated Current
	kW	HP		V	r/min	m³/h	m³/h	m	m	
4QJ16-38G	2.2	3	2	380	6500	16	24	38	56	6.5
4QJ16-47G	3	4	3	380	6500	16	24	47	88	8
4QJ16-70G	4	5.5	4	380	6500	16	24	70	115	11.6
4QJ16-97G	5.5	7.5	5	380	6500	16	24	97	142	15.5
4QJ16-128G	7.5	10	7	380	6500	16	24	128	205	21
4QJ16-144G	11	15	8	380	6500	16	24	144	227	23.5
4QJ16-210G	13	17.5	11	380	6500	16	28	210	307	32
4QJ16-248G	15	20	13	380	6500	16	28	248	363	38
4QJ16-286G	18.5	25	15	380	6500	16	28	286	418	45

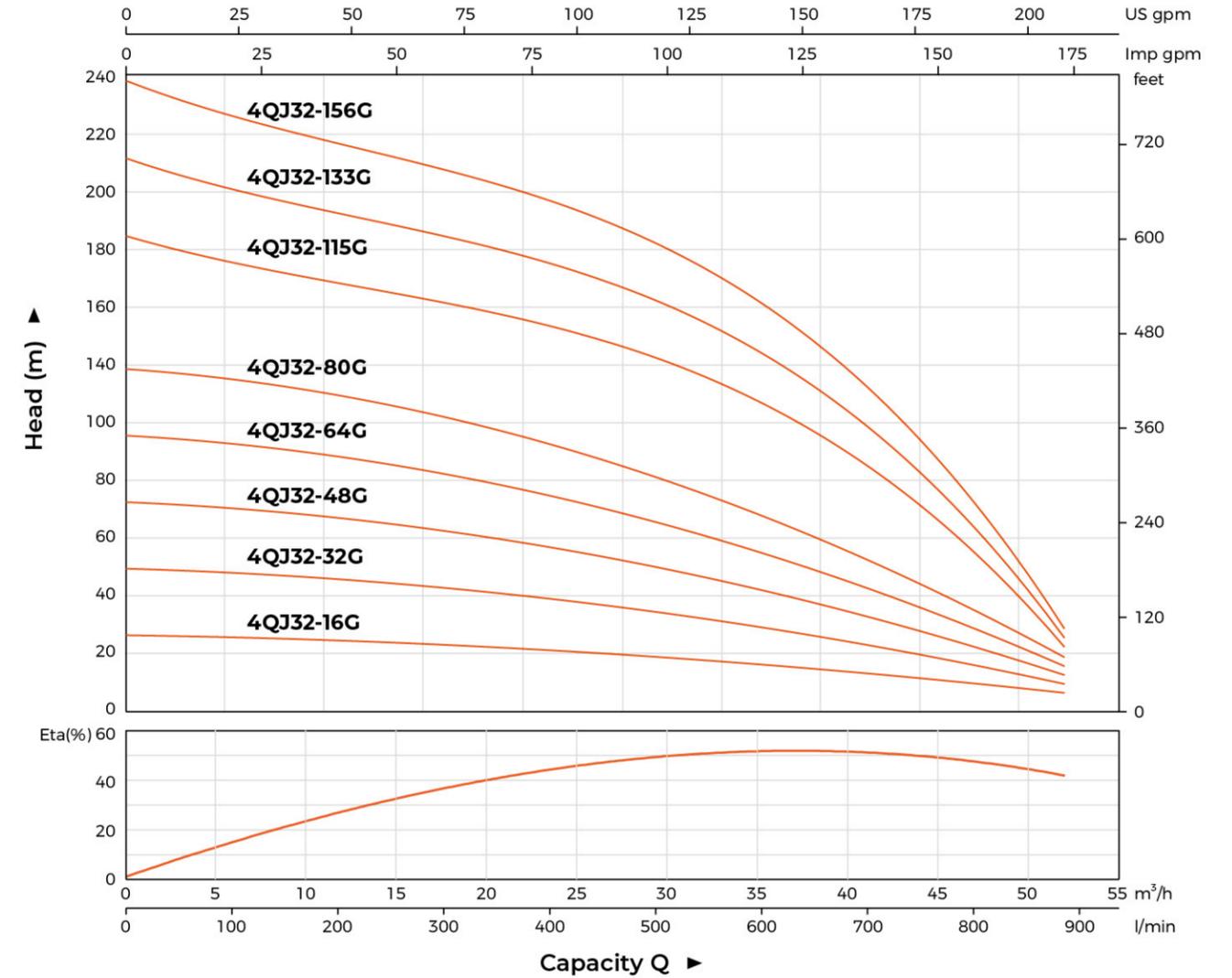
4QJ-24



Technical Data

Model	Power		Impeller Progression	Rated Voltage V	Rated Speed r/min	Rated Flow m ³ /h	Max. Flow m ³ /h	Rated Head m	Max. Head m	Rated Current A
	kW	HP								
4QJ24-17G	2.2	3	1	380	6500	24	30	17	29	6.5
4QJ24-32G	3	4	2	380	6500	24	30	32	59	8
4QJ24-48G	4	5.5	3	380	6500	24	30	48	86	11.6
4QJ24-58G	5.5	7.5	4	380	6500	24	30	58	120	15.5
4QJ24-83G	7.5	10	5	380	6500	24	30	83	153	21
4QJ24-110G	11	15	6	380	6500	24	30	110	175	23.5
4QJ24-128G	13	17.5	8	380	6500	24	38	128	238	32
4QJ24-159G	15	20	10	380	6500	24	38	159	297	38
4QJ24-190G	18.5	25	12	380	6500	24	38	190	356	45

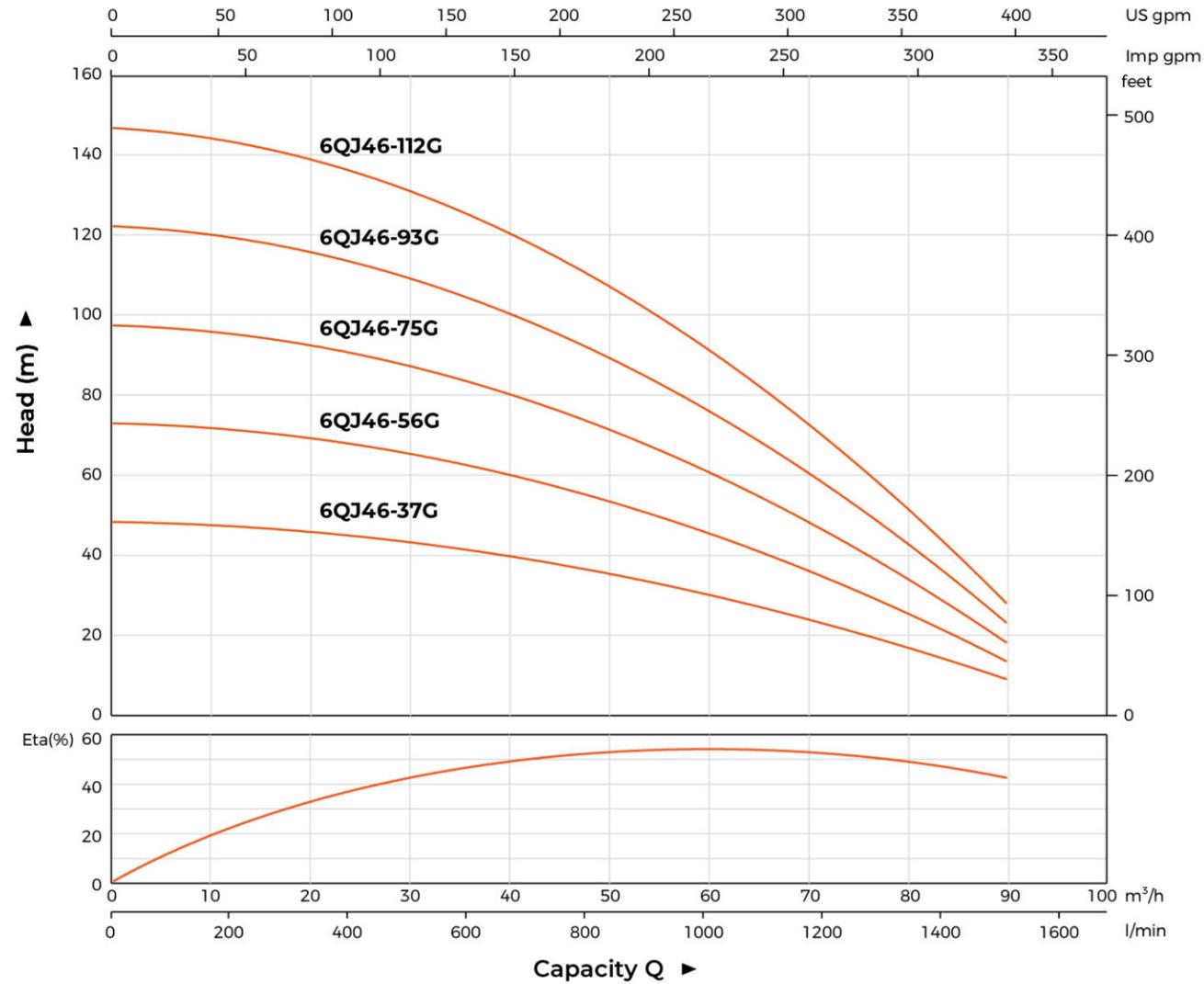
4QJ-32



Technical Data

Model	Power		Impeller Progression	Rated Voltage V	Rated Speed r/min	Rated Flow m ³ /h	Max. Flow m ³ /h	Rated Head m	Max. Head m	Rated Current A
	kW	HP								
4QJ32-16G	2.2	3	1	380	6500	32	52	16	26	6.5
4QJ32-32G	4	5.5	2	380	6500	32	52	32	52	11.6
4QJ32-48G	5.5	7.5	3	380	6500	32	52	48	77	15.5
4QJ32-64G	7.5	10	4	380	6500	32	52	64	102	21
4QJ32-80G	11	15	5	380	6500	32	52	80	126	23.5
4QJ32-115G	13	17.5	6	380	6500	32	52	115	175	32
4QJ32-133G	15	20	7	380	6500	32	52	133	205	38
4QJ32-156G	18.5	25	8	380	6500	32	52	156	233	45

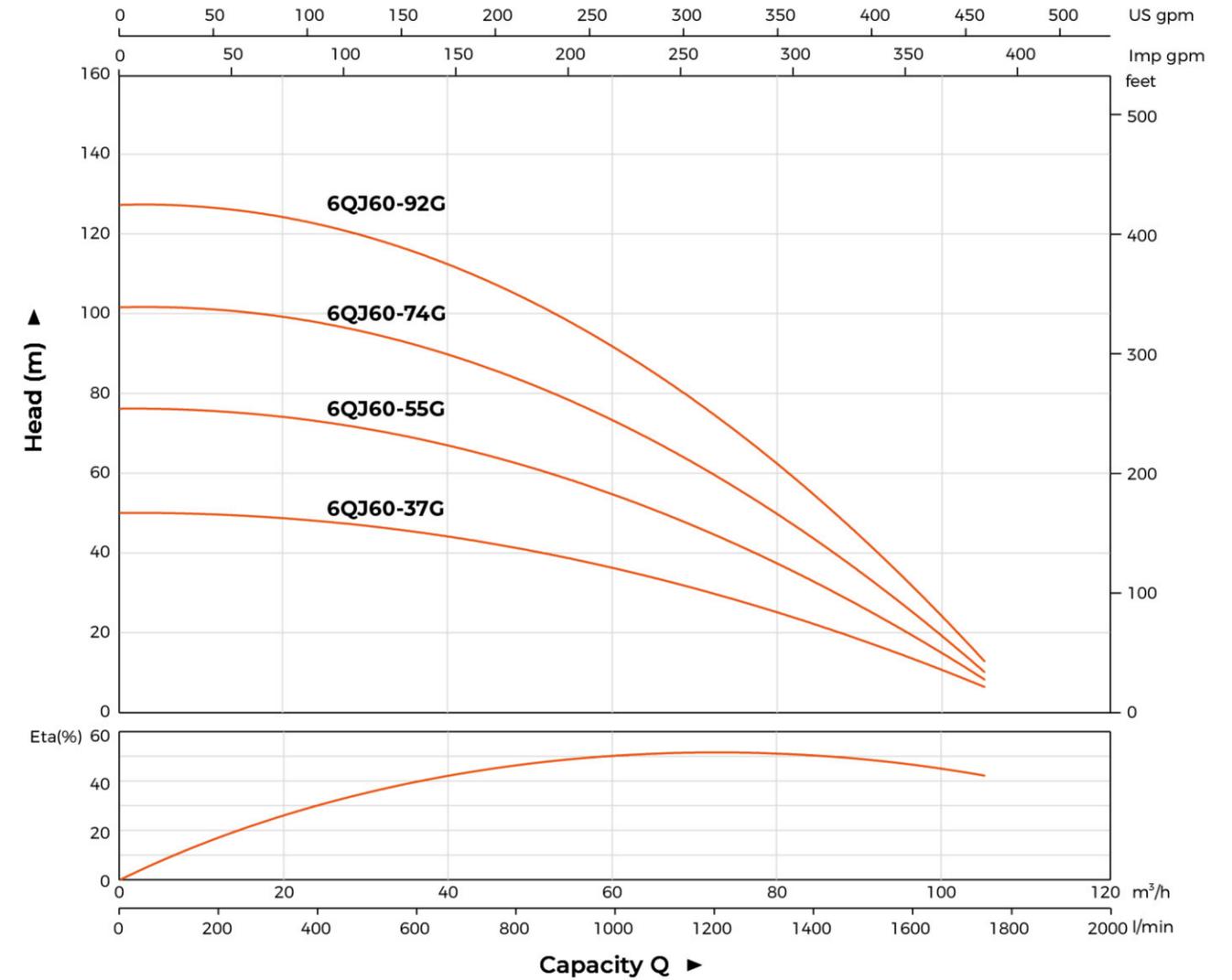
6QJ-46



Technical Data

Model	Power		Impeller Progression	Rated Voltage V	Rated Speed r/min	Rated Flow m ³ /h	Max. Flow m ³ /h	Rated Head m	Max. Head m	Rated Current A
	kW	HP								
6QJ46-37G	5.5	7.5	2	380	4000	46	90	37	49	15.5
6QJ46-56G	7.5	10	3	380	4000	46	90	56	74	21
6QJ46-75G	13	17.5	4	380	4000	46	90	75	98	32
6QJ46-93G	15	20	5	380	4000	46	90	93	123	38
6QJ46-112G	18.5	25	6	380	4000	46	90	112	148	45

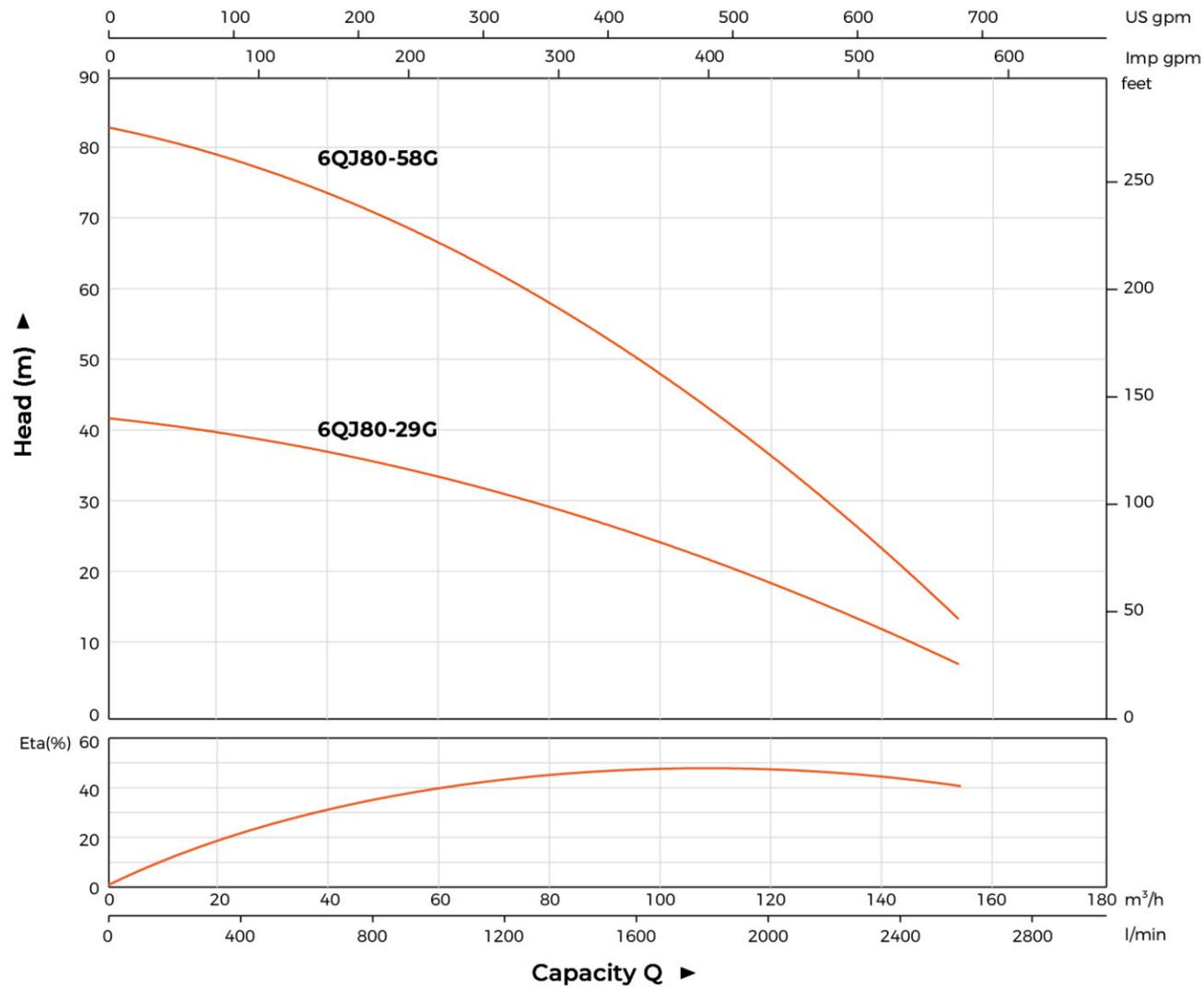
6QJ-60



Technical Data

Model	Power		Impeller Progression	Rated Voltage V	Rated Speed r/min	Rated Flow m ³ /h	Max. Flow m ³ /h	Rated Head m	Max. Head m	Rated Current A
	kW	HP								
6QJ60-37G	7.5	10	2	380	4000	60	105	37	51	21
6QJ60-55G	13	17.5	3	380	4000	60	105	55	77	32
6QJ60-74G	15	20	4	380	4000	60	105	74	103	38
6QJ60-92G	18.5	25	5	380	4000	60	105	92	128	45

6QJ-80

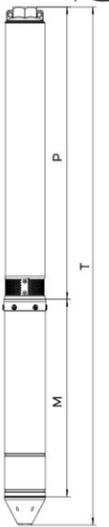


Technical Data

Model	Power		Impeller Progression	Rated Voltage V	Rated Speed r/min	Rated Flow m³/h	Max. Flow m³/h	Rated Head m	Max. Head m	Rated Current A
	kW	HP								
6QJ80-29G	11	15	1	380	4000	80	155	29	41	23.5
6QJ80-58G	18.5	25	2	380	4000	80	155	58	82	45

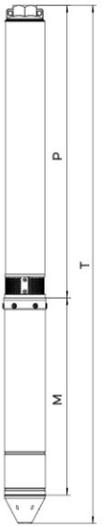
4QJ-3

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
4QJ3-145G	1 1/2"	477	337.5	879.5	12.8
4QJ3-207G	1 1/2"	507	342.5	914.5	13.24
4QJ3-268G	1 1/2"	635	362.5	1062.5	15.33
4QJ3-388G	1 1/2"	755	377.5	1197.5	17.19



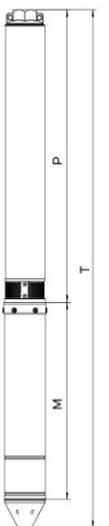
4QJ-6

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
4QJ6-93G	1 1/2"	357	337.5	759.5	11.49
4QJ6-120G	1 1/2"	417	342.5	824.5	12.35
4QJ6-183G	1 1/2"	477	362.5	904.5	14.01
4QJ6-223G	1 1/2"	537	377.5	979.5	15.26
4QJ6-279G	1 1/2"	695	402.5	1162.5	17.8
4QJ6-347G	1 1/2"	755	452.5	1272.5	20.75



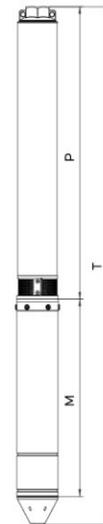
4QJ-10

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
4QJ10-59G	1 1/2"	336	337.5	738.5	11.31
4QJ10-72G	1 1/2"	369	342.5	776.5	11.84
4QJ10-93G	1 1/2"	435	362.5	862.5	13.51
4QJ10-143G	1 1/2"	501	377.5	943.5	14.78
4QJ10-188G	1 1/2"	567	402.5	1034.5	16.5
4QJ10-203G	1 1/2"	671	452.5	1188.5	19.52
4QJ10-283G	1 1/2"	510.5	801.5	1312	23.9
4QJ10-336G	1 1/2"	530.5	900.5	1431	25.6
4QJ10-406G	1 1/2"	550.5	1070.5	1621	28.1



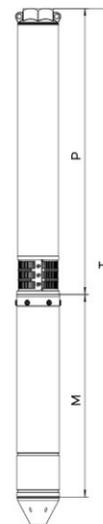
4QJ-16

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
4QJ16-38G	2"	350	337.5	752.5	11.35
4QJ16-47G	2"	409.5	342.5	817	12.13
4QJ16-70G	2"	469	362.5	896.5	13.69
4QJ16-97G	2"	528.5	377.5	971	14.8
4QJ16-128G	2"	647.5	402.5	1115	16.85
4QJ16-144G	2"	707	452.5	1224.5	19.8
4QJ16-210G	2"	510.5	852	1362.5	24
4QJ16-248G	2"	530.5	971	1501.5	26
4QJ16-286G	2"	550.5	1090	1640.5	27.5



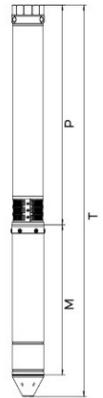
4QJ-24

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
4QJ24-17G	2"	299	337.5	701.5	10.9
4QJ24-32G	2"	367	342.5	774.5	11.73
4QJ24-48G	2"	435	362.5	862.5	13.35
4QJ24-58G	2"	503	377.5	845.5	14.5
4QJ24-83G	2"	571	402.5	1038.5	16
4QJ24-110G	2"	639	452.5	1156.5	19.08
4QJ24-128G	2"	510.5	741.5	1252	23
4QJ24-159G	2"	530.5	877.5	1408	25
4QJ24-190G	2"	550.5	1013.5	1564	26.7



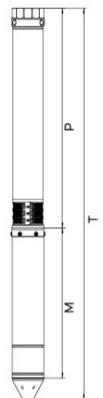
4QJ-32

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
4QJ32-16G	3"	320	337.5	722.5	11.45
4QJ32-32G	3"	405.5	362.5	833	13.4
4QJ32-48G	3"	491	377.5	933.5	14.74
4QJ32-64G	3"	576.5	402.5	1044	16.49
4QJ32-80G	3"	662	452.5	1179.5	19.53
4QJ32-115G	3"	510.5	759	1269.5	23.1
4QJ32-133G	3"	530.5	844.5	1375	24.7
4QJ32-156G	3"	550.5	930	1480.5	26.5



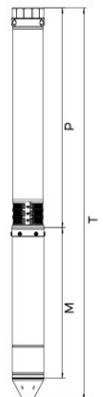
6QJ-46

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
6QJ46-37G	4"	588	501	1016	31.3
6QJ46-56G	4"	608	613	1148	35.3
6QJ46-75G	4"	678	725	1330	44
6QJ46-93G	4"	732	837	1496	50.6
6QJ46-112G	4"	772	949	1648	56.5



6QJ-60

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
6QJ60-37G	4"	608	501	1036	33.1
6QJ60-55G	4"	678	613	1218	41.7
6QJ60-74G	4"	732	725	1384	48.3
6QJ60-92G	4"	772	837	1536	54.3



6QJ-80

Model	DN	Dimension(mm)			N.W (kg)
		P	M	T	
6QJ80-29G	4"	648	386	961	38.7
6QJ80-58G	4"	772	490	1189	52.7

