



WEDAK PUMPS

Shine your Flow

Shine your Borewell...



**Wedak
Submersible Pumps**

-50Hz

www.wedakpumps.com

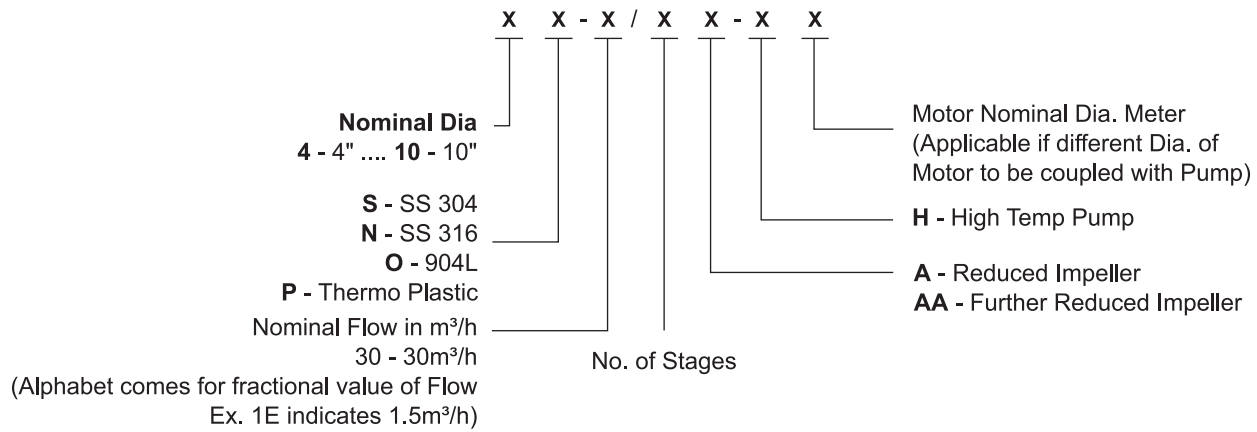


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MODEL IDENTIFICATION CODE

BOREHOLE SUBMERSIBLE PUMPS



Example : 6S-30/07 denotes 6" SS 304 submersible pump of 30m³/h & 7 stages.

Curve Conditions :

- ▶ The curve tolerance according to ISO 9906, Grade-3B.
- ▶ The given performances are for the clear water of specific gravity 1.
- ▶ The efficiency & Power given in the curves are per stage.
- ▶ The given the performances are for the ideal conditions the actual performance may vary according the field parameters.
- ▶ The performances are applicable for the nominal speed of 2900rpm.
- ▶ In-built non-return valve losses included in the performance.
- ▶ Actual friction & fitting losses to be considered while calculating the system head.
- ▶ Minimum Submergence of pump required is 3 meters.
- ▶ The Pumps shall be selected only for the flows, for which efficiency curve has been plotted (operating range).
- ▶ Hydraulic Performances of the pumps are same for all types Materials of constructions of stainless steel pump series .

COMPANY PROFILE

We, **Wedak Pumps** is an outcome of 15 years of expertise in providing water pumping solutions. We are committed in providing pumping solutions to major sectors like Agriculture, Residential, Buildings, commercial, Industries and waste water by our world-class Submersible, Surface and Solar pumps, motors and accessories. We supply pumps suitable for the applications like pressure boosters and waste water transfers as well.

Wedak Pumps is always keen that our products are more efficient, effective and user friendly. Technology & Innovation are our key considerations and this keeps us in providing advanced pumping solutions to end users and keeps our products one step ahead in the industry.

With the noble vision of establishing its name, known for Trust & Quality across the globe, the company's Principles & Policies are carefully framed & implemented.

We regularly find the room for improvisations in products & process and this makes our product more reliable & flawless. We believe in continual improvement and update ourselves instantly to be the best in industry. We share the credit of our success with our entire supply chain & channel partners. Today we have good network of channel partners, who promotes our brand.

Customers are soul of our business, the whole Wedak Team runs round the clock for the only cause called "customer satisfaction" and see them smiled through our products & services



MISSION

To offer our customers world-class pumping solutions, satisfy them in all the aspects and see them smiled



VISION

To be a Global symbol of Trust & Quality in providing Advanced Pumping solutions.



STAINLESS STEEL SUBMERSIBLE PUMPS

Wedak's Stainless Steel Series Pumps are fully Stainless Steel, Borewell / Borehole / Deep Well pumps, suitable for clear water, high head applications. These Pumps are of Multistage Centrifugal types, accommodating Radial or Mixed flow impellers according to the required Head & Flow. The mounting dimensions are according to NEMA Standard, which enables the pumps to be coupled with any NEMA standard submersible motors. Other international standards / key way types can also be supplied against requirements. The precise design, materials combination, manufacturing process and stringent quality assurance procedures ensure high quality performance and durability of the pumps. These pumps are available in 4", 6", 8" & 10" nominal diameter as standard sizes and pumps & motors of different diameter can also be coupled with appropriate interconnectors according to the HP requirement. These pumps are available in SS 304, SS 316 & 904 L constructions.

APPLICATIONS



RESIDENTIAL



IRRIGATION



**GENERAL
WATER SUPPLY**



INDUSTRIAL



**COMMERCIAL
BUILDINGS**



SOLAR



**HYDRO PNEUMATIC
APPLICATION**



HOTEL



MINING



GARDENING



FOUNTAIN



OIL & GAS



**DOMESTIC
WATER SUPPLY**



**FOOD PROCESSING
INDUSTRY**



**LIVESTOCK
WATERING**



**SPRINKLER
SYSTEM**

STAINLESS STEEL SUBMERSIBLE PUMPS

LIQUID CHARACTERISTICS

General Characteristics	Clean, Clear, Cold, Non-Aggressive, Non-explosive water, free from dirt, mud, solids, fibers, foreign particles
Max. Liquid Temperature	40°C (Standard Pumps with NBR components) 90°C (High Temp. Pumps with Viton Rubber components)
Max. Water Hardness	300 ppm
Max. Permissible amount of sand	50 g/m ³
Max. Allowable Solids	3000 ppm
Viscosity	8.9 x 10 ⁻⁴ kg/(ms)
pH Range	5 - 8.5
Max. Chlorine Ion Density	500 ppm
Max. CO ₂ Content	100 g/l
Max. Specific Gravity	1.004
Max. Turbidity	50 ppm (Silica scale)
Max. Altitude	3000 masl

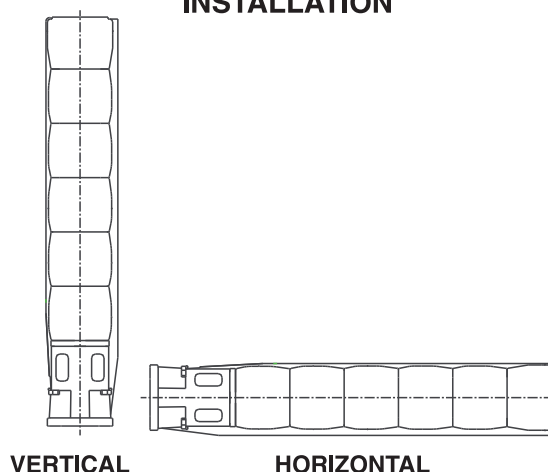
TECHNICAL SPECIFICATION :

Nominal Diameter	4" (100 mm)	6"(150mm)	8"(200mm)	10"(250mm)
Power Range	0.37 - 7.5 kW 0.5 - 10 HP	0.55 - 63 kW 0.75 - 85 HP	5.5 - 75 kW 7.5 - 100 HP	7.5 - 185 kW 10 - 250 HP
Nominal Speed	2900 rpm	2900 rpm	2900 rpm	2900 rpm
Flow Range	1 - 18 m ³ /h	6 - 78 m ³ /h	48 - 120 m ³ /h	48 - 276 m ³ /h
Shut-off Head	510 m	650 m	400 m	485 m
Outlet sizes	1¼, 1½, 2"	2", 2½, 3", 4"	5"	6"
Shaft Coupling	Splines	Splines	Splines	Splines/Keyway
Mounting Standard	NEMA	NEMA	NEMA	NEMA/INTL std
Max. Operating Pressure	50 Bar	65 bar	40 bar	48 bar
Outlet Thread Standard	BSP	BSP	BSP	BSP

FEATURES

- ▶ Optimal design
- ▶ Precisely made parts
- ▶ High operating efficiency
- ▶ Easy to handle & repair
- ▶ NEMA mounting standard
- ▶ Good resistance to salt
- ▶ Free from corrosion
- ▶ Hygiene
- ▶ Durable

INSTALLATION

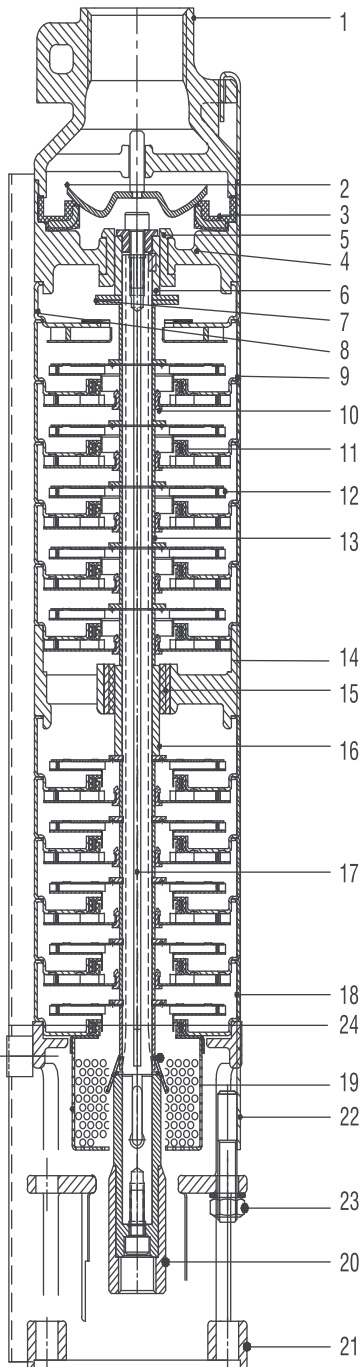


VERTICAL

HORIZONTAL

CROSS-SECTIONAL DRAWINGS & MATERIALS OF CONSTRUCTION

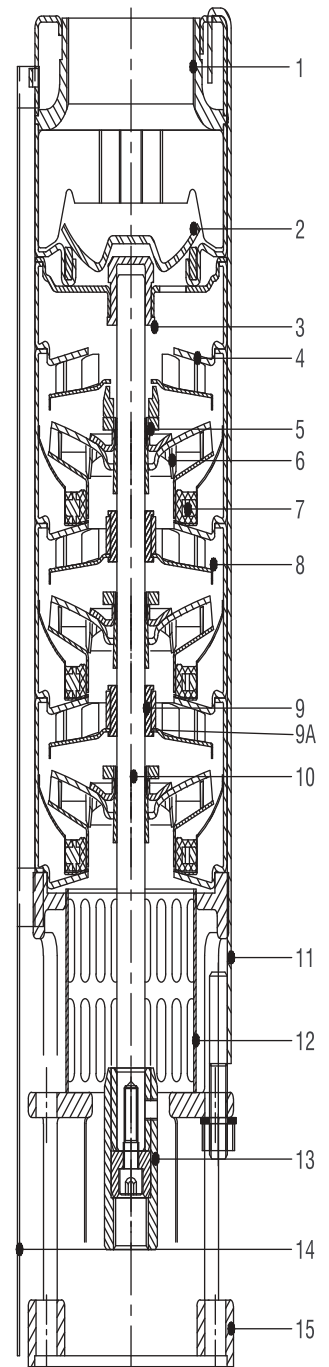
4"
(2, 3 & 5 m³/h)



MOC - 4" (2, 3 & 5 m³/h)

NO.	PART NAME	MATERIAL
1	NRV	SS 304
2	VALVE	SS 304
3	VALVE SEAT	NBR
4	TOP BEARING HOUSING	SS 304
5	TOP BEARING HOUSING BUSH	NBR
6	TOP BEARING HOUSING SLEEVE	SS 304
7	THRUST WASHER	SS 304
8	TOP DIFFUSER	SS 304
9	DIFFUSER	SS 304
10	BEARING BUSH	NBR
11	NECK RING	NBR + P.P.S.
12	IMPELLER	SS 304
13	STAGE SLEEVE	SS 304
14	MIDDLE BEARING HOUSING	SS 304
15	MIDDLE BEARING HOUSING BUSH	NBR + S.S.304
16	MIDDLE BEARING HOUSING SLEEVE	SS 304
17	PUMP SHAFT	SS 431
18	FIRST STAGE DIFFUSER	SS 304
19	STRAINER	SS 304
20	NEMA COUPLING	SS 304
21	SUCTION INTER CONNECTOR	SS 304
22	CLAMPING STRIP	SS 304
23	HEX NUT	SS 304
24	CABLE GUARD	SS 304

4"
(8 & 14 m³/h)

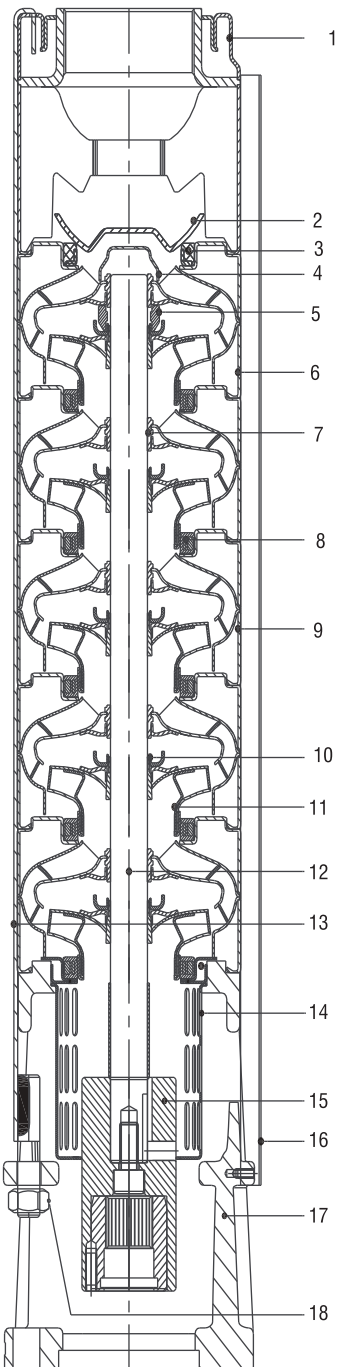


MOC - 4" (8 & 14 m³/h)

NO.	PART NAME	MATERIAL
1	NRV	SS 304
2	VALVE	SS 304
3	TOP BEARING BUSH	NBR
4	TOP DIFFUSER	SS 304
5	COLLET & COLLET NUT	SS 304
6	IMPELLER	SS 304
7	NECKRING	NBR + NYLON
8	DIFFUSER	SS 304
9	BEARING BUSH	NBR
9A	STAGE SLEEVE	SS 304
10	PUMP SHAFT	SS 431
11	CLAMPING STRIP	SS 304
12	STRAINER	SS 304
13	NEMA COUPLING	SS 304
14	CABLE GUARD	SS 304
15	SUCTION INTER CONNECT	SS 304

CROSS-SECTIONAL DRAWINGS & MATERIALS OF CONSTRUCTION

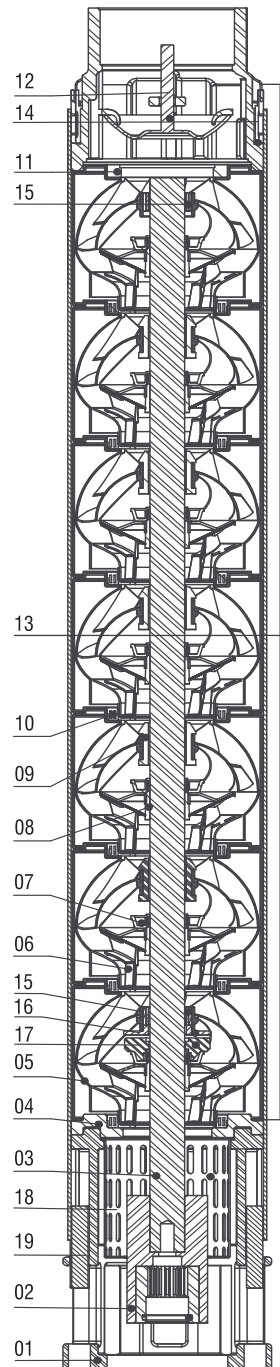
6"
(9 & 17 m³/h)



MOC - 6" (9 & 17 m³/h)

NO.	PART NAME	MATERIAL
1	NRV	SS 304
2	VALVE	SS 304
3	VALVE SEAT	NBR + S.S.304
4	TOP CAP	SS 304
5	SPACING WASHER	PTFE
6	INTERMEDIATE CHAMBER TOP	SS 304
7	BEARING BUSH	NBR
8	NECKRING	NBR + NYLON
9	INTERMEDIATE CHAMBER	SS 304
10	COLLET & COLLET NUT	SS 304
11	IMPELLER	SS 304
12	PUMP SHAFT	SS 431
13	CLAMPING STRIP	SS 304
14	STRAINER	SS 304
15	NEMA COUPLING	SS 304
16	CABLE GUARD	SS 304
17	SUCTION INTER CONNECTOR	SS 304
18	HEX NUT	SS 304

6"
(30 m³/h)

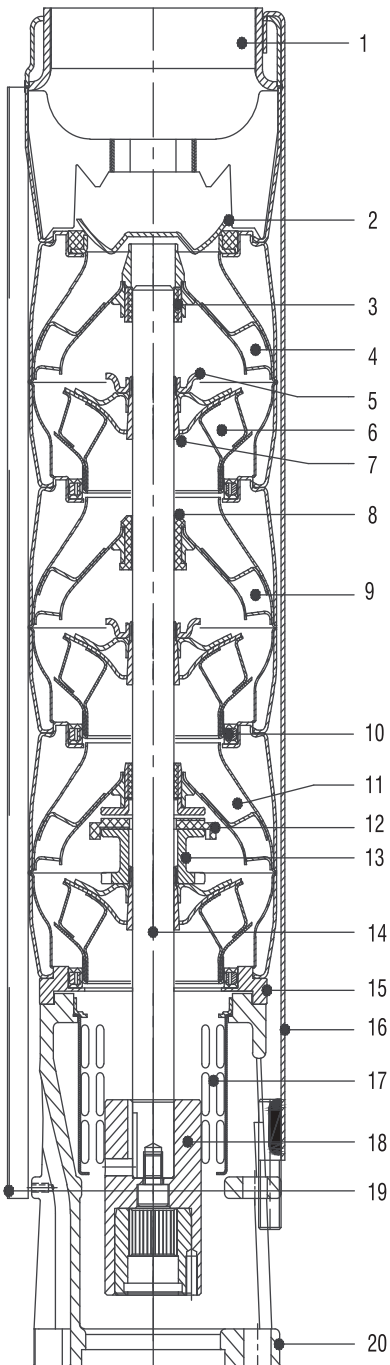


MOC - 6" (30 m³/h)

NO.	PART NAME	MATERIAL
1	SUCTION INTER CONNECTOR	SS 304
2	COUPLING	SS 304
3	SHAFT	SS 431
4	SUCTION CONNECTOR	SS 304
5	CHAMBER	SS 304
6	IMPELLER	SS 304
7	COLLET NUT	SS 304
8	COLLET	SS 304
9	STAGE RUBBER BUSH	NBR
10	NECK RING	NBR + NYLON66
11	VALVE SHEET	SS+RUBBER
12	VALVE	SS 304
13	CABLE GUARD	SS 304
14	NRV	SS 304
15	BEARING BUSH TOP&BOTTOM	NBR+SS 304
16	STOP RING	SS 304
17	SPACING WASHER	CFT 25%
18	STRAINER	SS 304
19	CLAMPING STRIP	SS 304

CROSS-SECTIONAL DRAWINGS & MATERIALS OF CONSTRUCTION

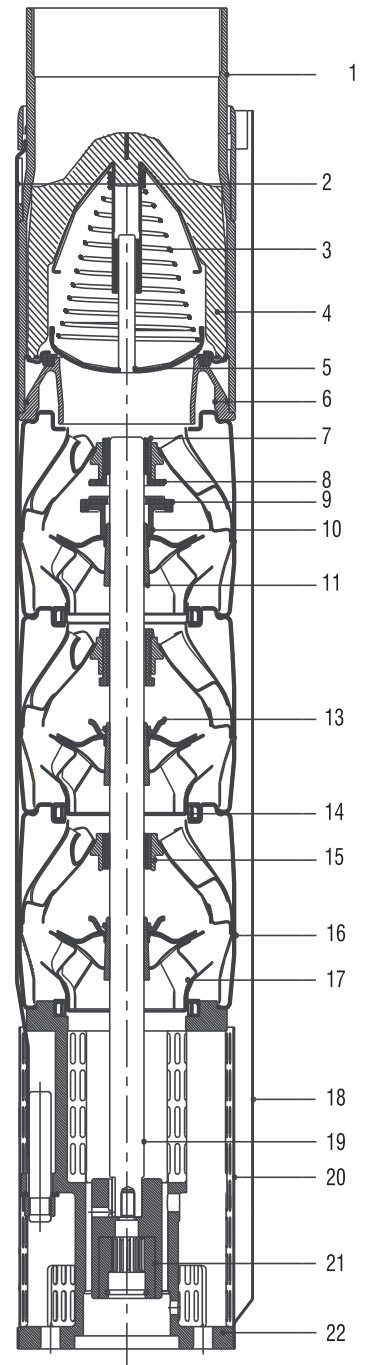
6"
(46 & 60 m³/h)



MOC - 6" (46 & 60 m³/h)

NO.	PART NAME	MATERIAL
1	NRV	SS 304
2	VALVE	SS 304
3	TOP & FIRST BEARING BUSH	NBR + SS 304
4	CHAMBER TOP	SS 304
5	COLLET NUT	SS 304
6	IMPELLER	SS 304
7	COLLET	SS 304
8	BEARING BUSH	NBR
9	INTERMEDIATE CHAMBER STAGE	SS 304
10	NECK RING	NBR + NYLON
11	INTERMEDIATE CHAMBER	SS 304
12	SPACING WASHER	25% CFT
13	FIRST STAGE NUT	SS 304
14	PUMP SHAFT	SS 431
15	CONNECTOR	SS 304
16	CLAMPING STRIP	SS 304
17	STRAINER	SS 304
18	NEMA COUPLING	SS 304
19	CABLE GUARD	SS 304
20	SUCTION INTER CONNECTOR	SS 304

8" & 10"
(77 to 215 m³/h)

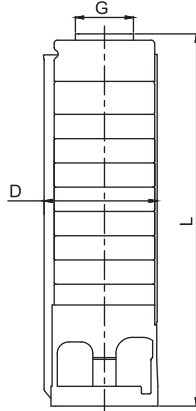


MOC - 8" & 10" (77 to 215 m³/h)

NO.	PART NAME	MATERIAL
1	NRV	SS 304
2	CLAMPING STRIP	SS 304
3	SPRING	SS 304
4	VALVE GUIDE RIB ASSEMBLY	SS 304
5	VALVE ASSEMBLY	SS 304
6	VALVE SEAT HOUSING	SS 304
7	FIRST STAGE BEARING BUSH	SS + NBR
8	STOP RING	SS 304
9	SPACING WASHER	25% CFT
10	FIRST STAGE NUT	SS 304
11	IMPELLER COLLET	SS 304
12	BEARING BUSH STAGE	NBR
13	COLLET NUT	SS 304
14	NECKRING	NBR + NYLON
15	SLEEVE	SS 304
16	CHAMBER	SS 304
17	IMPELLER	SS 304
18	CABLE GUARD	SS 304
19	SHAFT	SS 431
20	STRAINER	SS 304
21	NEMA COUPLING	SS 304
22	SUCTION INTERCONNECTOR	SS 304

4S-02

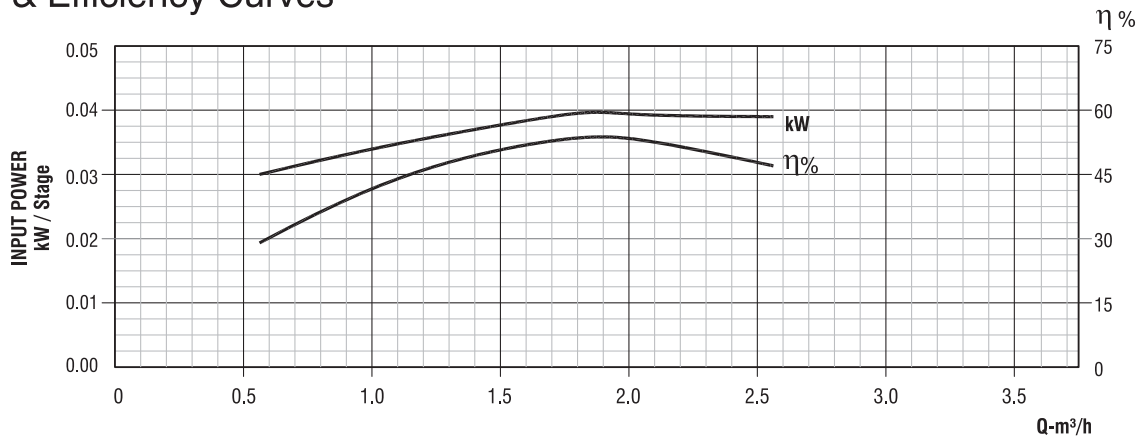
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
4S-02/06	0.37	0.5	98	280	3.2	3.8
4S-02/09	0.37	0.5	98	343	4.2	5.1
4S-02/13	0.55	0.75	98	427	5.4	6.7
4S-02/18	0.75	1	98	532	7.2	9.0
4S-02/23	1.1	1.5	98	668	8.9	11.2
4S-02/28	1.5	2	98	773	10.6	13.4
4S-02/33	1.5	2	98	878	12.2	15.5
4S-02/40	2.2	3	98	1097	13.0	17.0
4S-02/48	2.2	3	98	1296	14.6	19.44
4S-02/55	3	4	98	1443	16.2	21.7

G - Outlet Size : 1½" BSP (1¼" Optional)

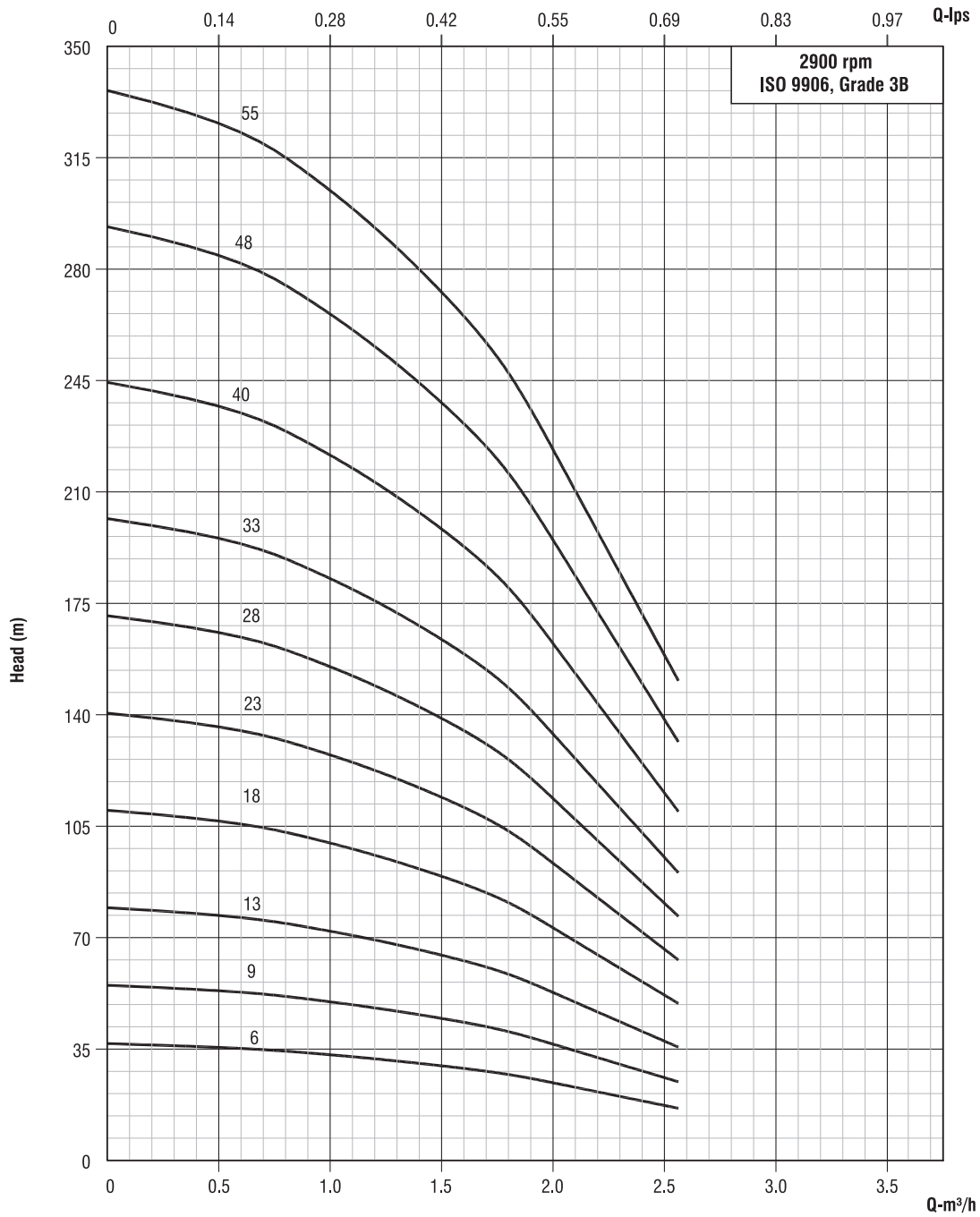
Power & Efficiency Curves



Nominal Diameter : 4"

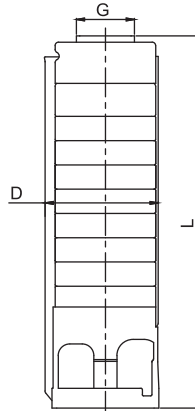
Nominal Flow : 2m³/h

Performance Curves



4S-03

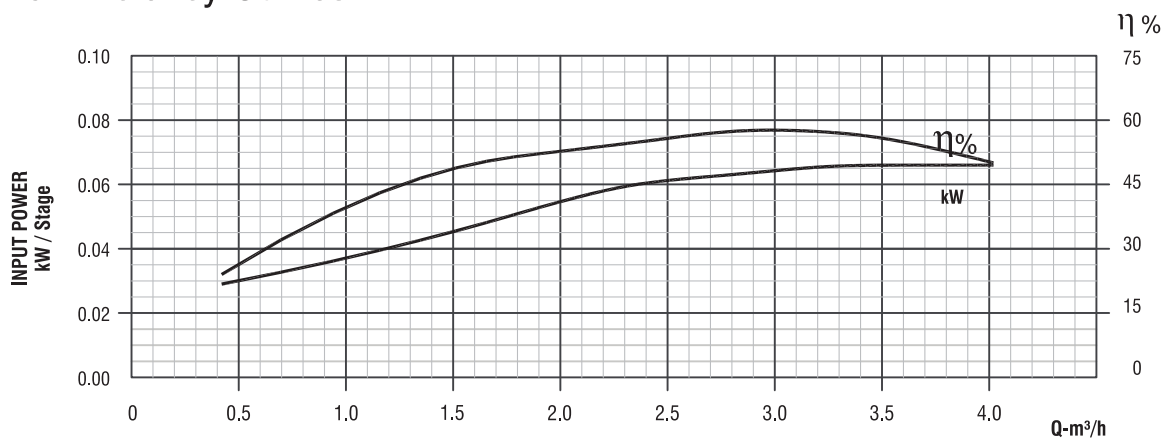
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
4S-03/06	0.37	0.5	98	280	3.4	4.0
4S-03/09	0.55	0.75	98	343	4.4	5.3
4S-03/12	0.75	1	98	406	5.4	6.6
4S-03/15	1.1	1.5	98	469	6.4	7.9
4S-03/18	1.1	1.5	98	532	7.4	9.2
4S-03/22	1.5	2	98	647	8.7	10.9
4S-03/25	1.5	2	98	710	9.7	12.2
4S-03/29	2.2	3	98	794	10.9	13.8
4S-03/33	2.2	3	98	878	12.2	15.5
4S-03/39	3	4	98	1076	12.7	16.6
4S-03/45	3	4	98	1233	14.0	18.5
4S-03/52	3.7	5	98	1380	15.5	20.7
4S-03/60	3.7	5	98	1548	17.3	23.3

G - Outlet Size : 1 1/2" BSP (1/4" Optional)

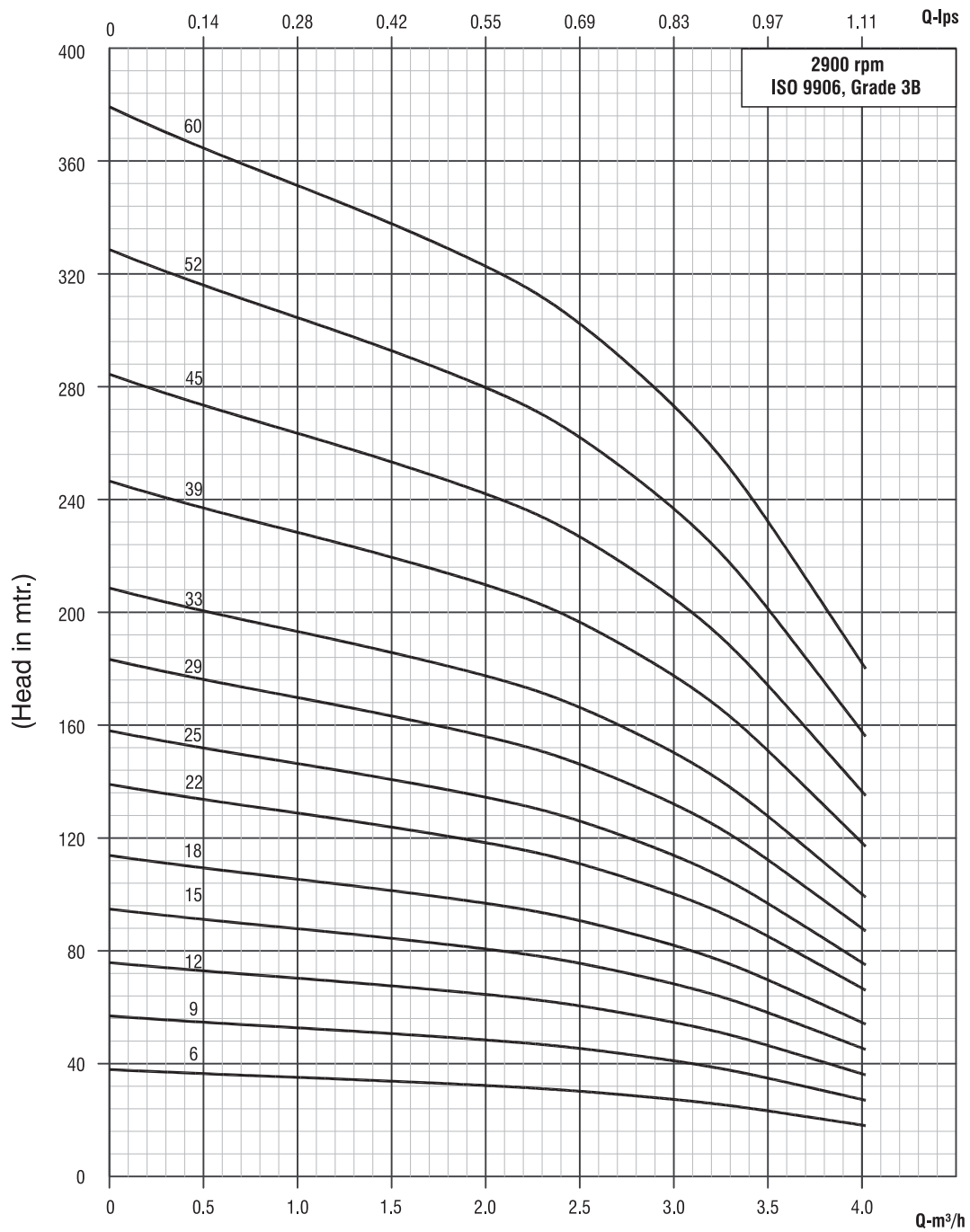
Power & Efficiency Curves



Nominal Diameter : 4"

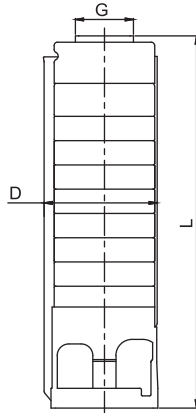
Nominal Flow : 3m³/h

Performance Curves



4S-05

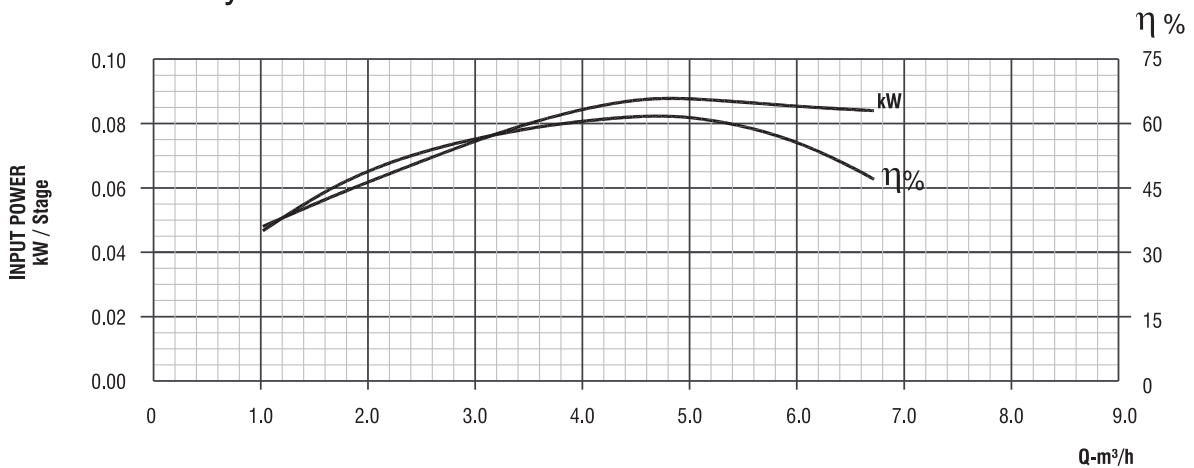
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
4S-05/04	0.37	0.5	98	238	3.2	3.4
4S-05/06	0.55	0.75	98	280	3.6	3.9
4S-05/08	0.75	1	98	322	4.0	4.4
4S-05/12	1.1	1.5	98	406	5.6	6.2
4S-05/15	1.5	2	98	469	6.6	7.4
4S-05/17	1.5	2	98	511	7.0	7.9
4S-05/21	2.2	3	98	626	8.4	9.5
4S-05/25	2.2	3	98	710	9.7	11.0
4S-05/33	3	4	98	878	12.5	14.2
4S-05/38	3.7	5	98	1169	13.0	14.7
4S-05/44	4.5	6	98	1344	14.0	16.0
4S-05/52	5.5	7.5	98	1536	16.3	18.6
4S-05/60	5.5	7.5	98	1820	27.0	29.4
4S-05/75	7.5	10	98	2423	43.5	46.1
4S-05/85	7.5	10	98	2694	47.5	50.5

G - Outlet Size : 1/2" BSP

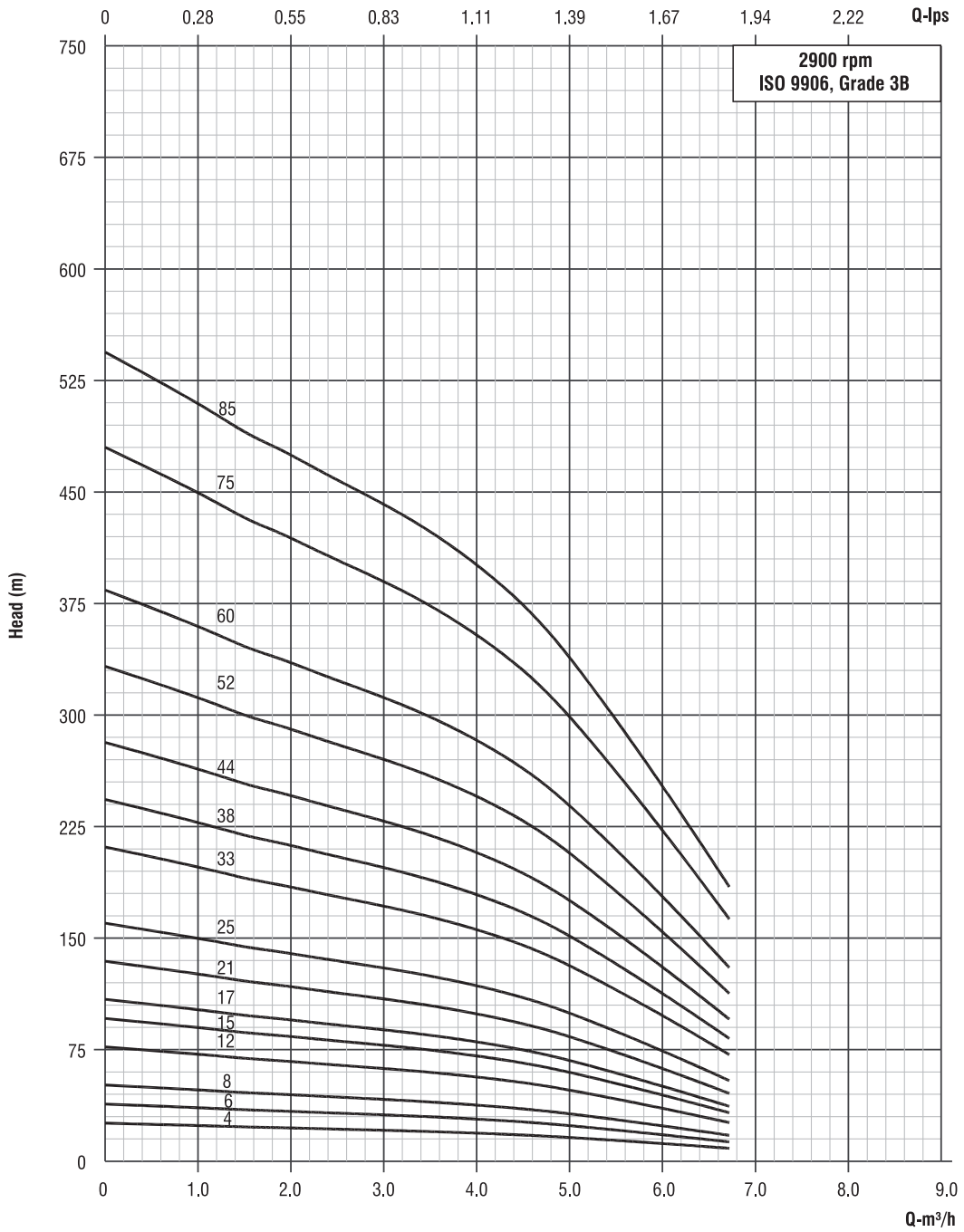
Power & Efficiency Curves



Nominal Diameter : 4"

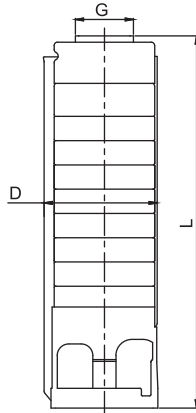
Nominal Flow : 5m³/h

Performance Curves



4S-08

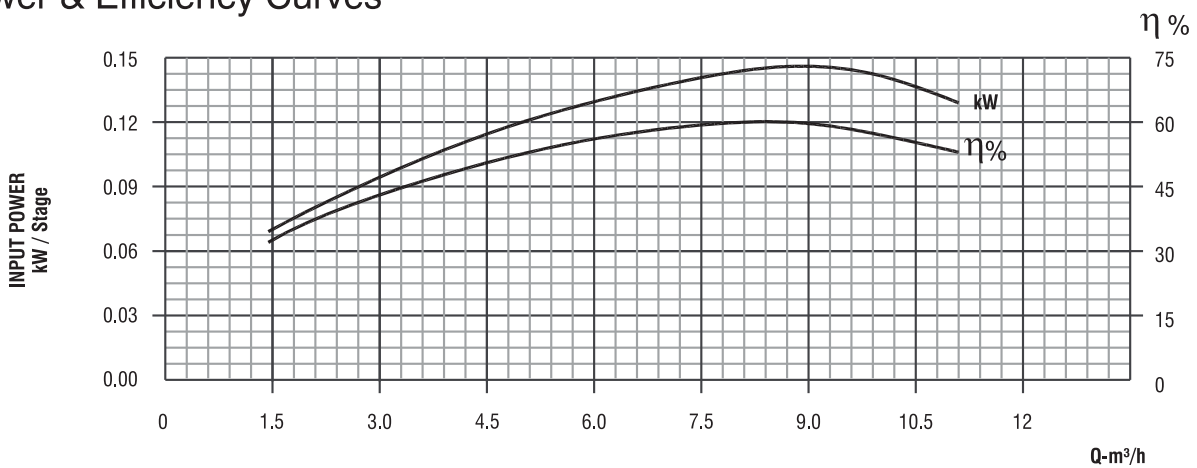
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
4S-08/05	0.75	1	98	410	7.2	10.2
4S-08/07	1.1	1.5	98	494	7.7	10.7
4S-08/10	1.5	2	98	620	8.4	11.4
4S-08/12	2.2	3	98	704	8.9	11.9
4S-08/15	2.2	3	98	830	9.7	12.7
4S-08/18	3	4	98	956	10.5	13.5
4S-08/21	3.7	5	98	1082	11.2	14.2
4S-08/25	4.5	6	98	1250	12.3	15.3
4S-08/30	5.5	7.5	98	1460	13.5	16.5
4S-08/37	5.5	7.5	98	1754	15.3	18.3
4S-08/44	7.5	10	98	2048	17.1	20.1
4S-08/50	7.5	10	98	2300	18.8	21.8

G - Outlet Size : 2" BSP

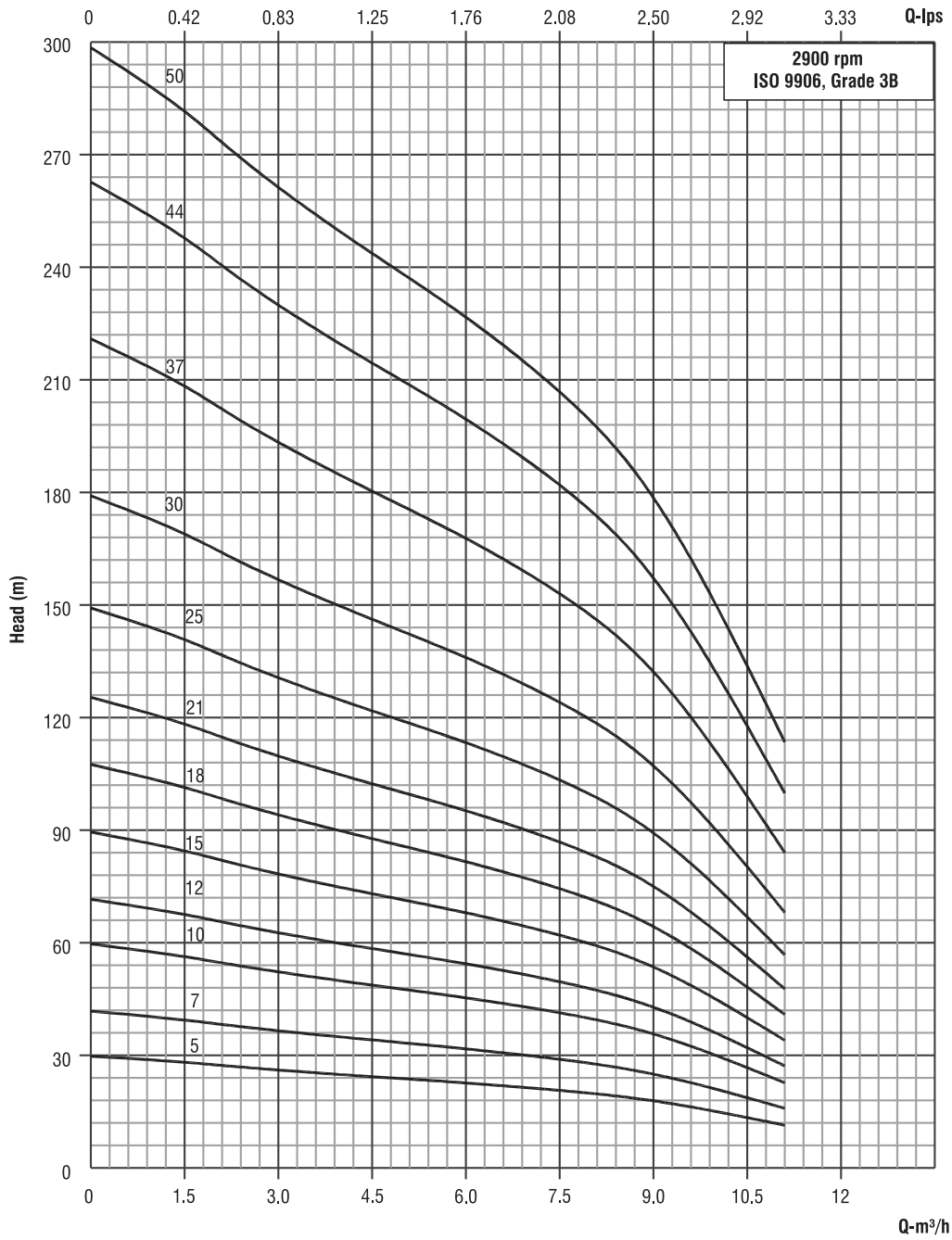
Power & Efficiency Curves



Nominal Diameter : 4"

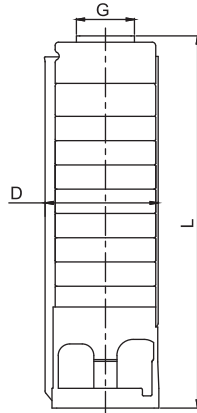
Nominal Flow : 8m³/h

Performance Curves



4S-14

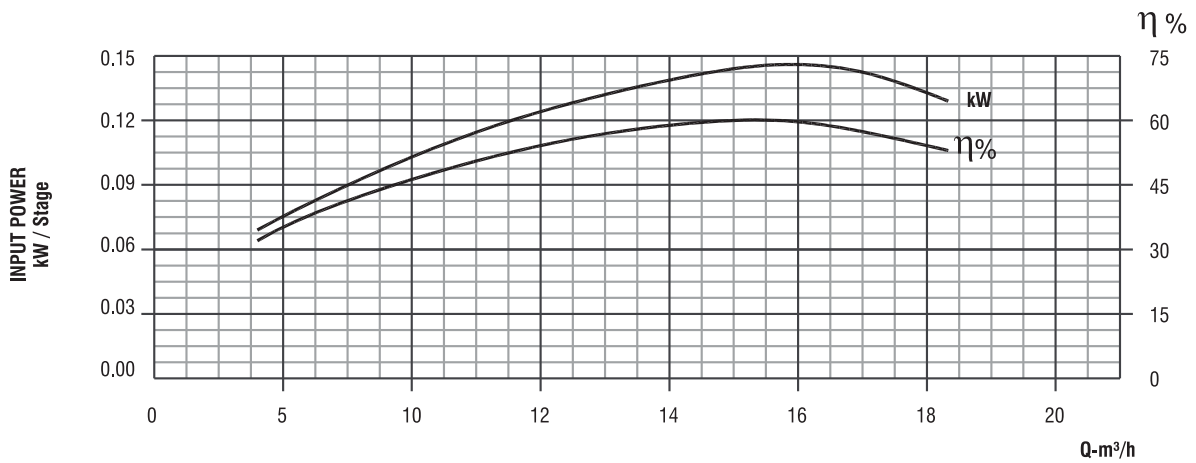
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
4S-14/05	1.5	2	98	410	7.2	10.2
4S-14/07	2.2	3	98	494	7.7	10.7
4S-14/10	3	4	98	620	8.4	11.4
4S-14/13	4.5	6	98	704	8.9	11.9
4S-14/15	5.5	7.5	98	830	9.7	12.7
4S-14/18	5.5	7.5	98	956	10.5	13.5
4S-14/22	7.5	10	98	1168	13	16
4S-14/25	7.5	10	98	1327	15	18

G - Outlet Size : 2" BSP

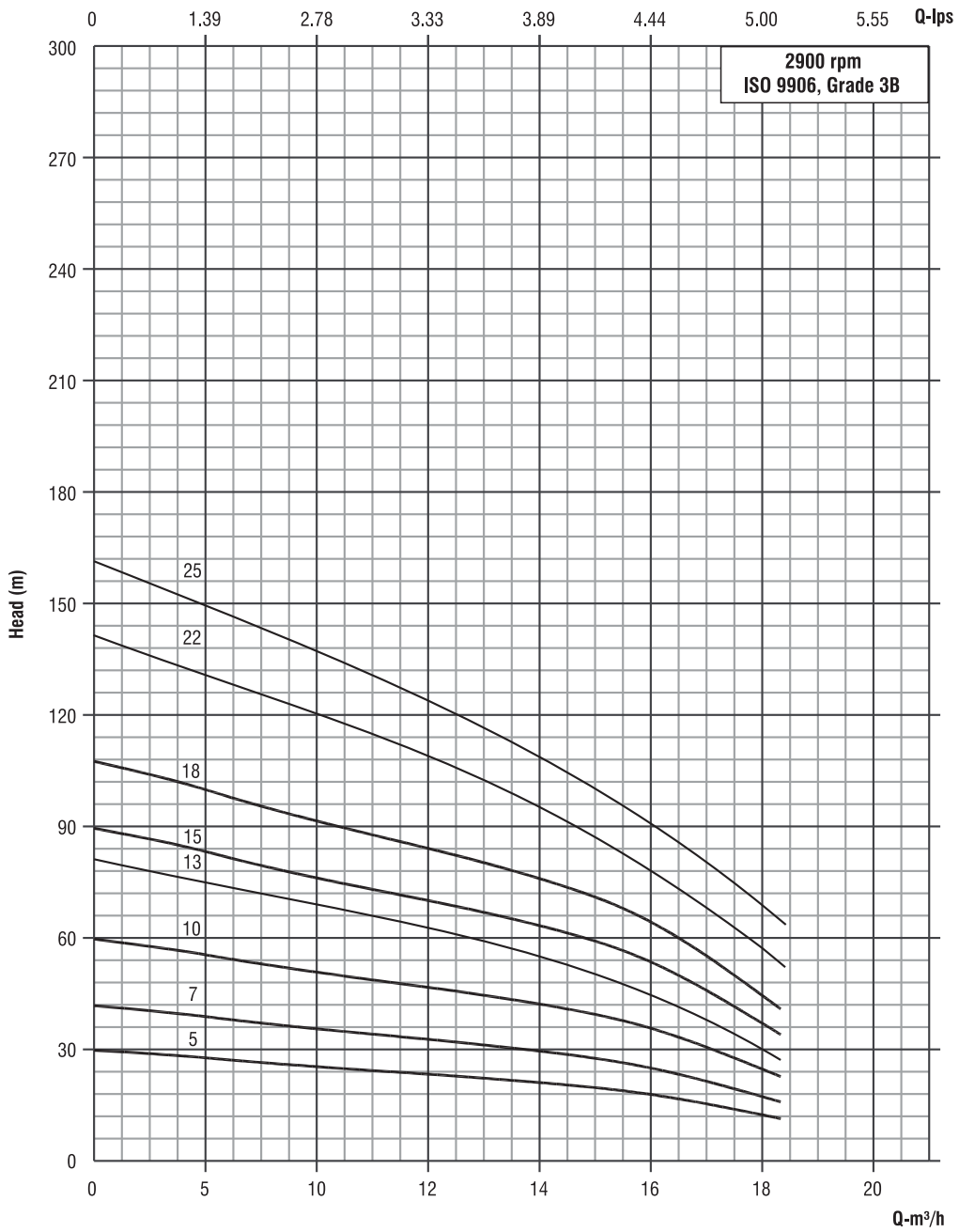
Power & Efficiency Curves



Nominal Diameter : 4"

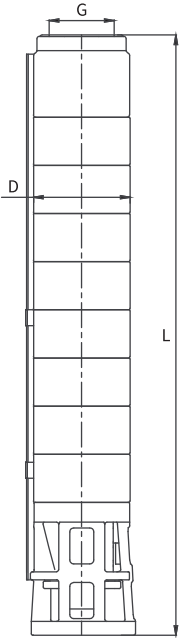
Nominal Flow : 14m³/h

Performance Curves



6S-09

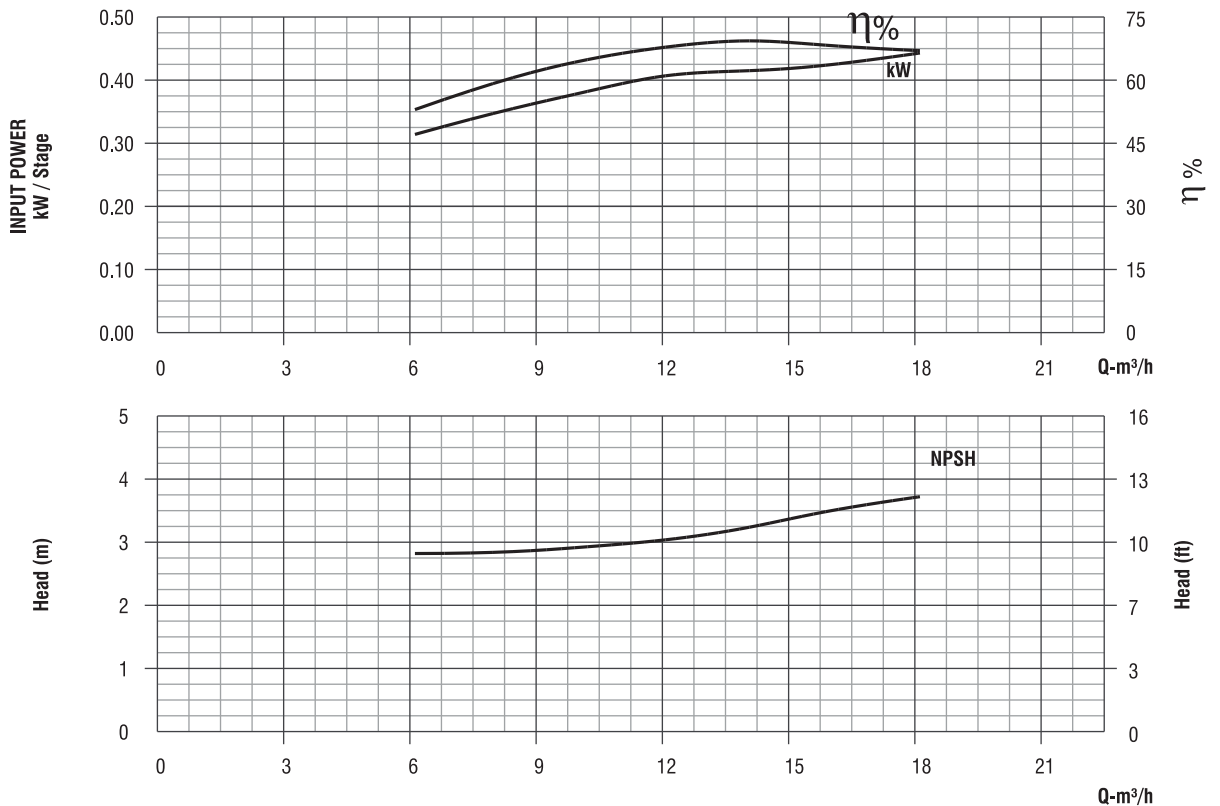
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
6S-09/01	0.55	0.75	144	331	8	10
6S-09/02	0.75	1	144	392	9	11
6S-09/03	1.5	2	144	452	10	12
6S-09/04	2.2	3	144	513	12	14
6S-09/05	2.2	3	144	573	13	15
6S-09/06	3	4	144	634	14	16
6S-09/07	3	4	144	694	15	17
6S-09/08	37	5	144	755	17	19
6S-09/09	3.7	5	144	815	18	20
6S-09/10	4.5	6	144	876	19	21
6S-09/11	5.5	7.5	144	936	20	23
6S-09/12	5.5	7.5	144	997	22	24
6S-09/13	5.5	7.5	144	1057	23	25
6S-09/14	7.5	10	144	1118	24	26
6S-09/15	7.5	10	144	1178	25	28
6S-09/16	7.5	10	144	1239	26	29
6S-09/17	7.5	10	144	1299	28	31
6S-09/18	7.5	10	144	1360	29	32
6S-09/19	9.3	12.5	144	1420	30	33
6S-09/20	9.3	12.5	144	1481	31	34
6S-09/21	9.3	12.5	144	1541	33	36
6S-09/22	9.3	12.5	144	1602	34	37

G - Outlet Size : 2" BSP (2½" Optional)

Power, Efficiency & NPSH Curves

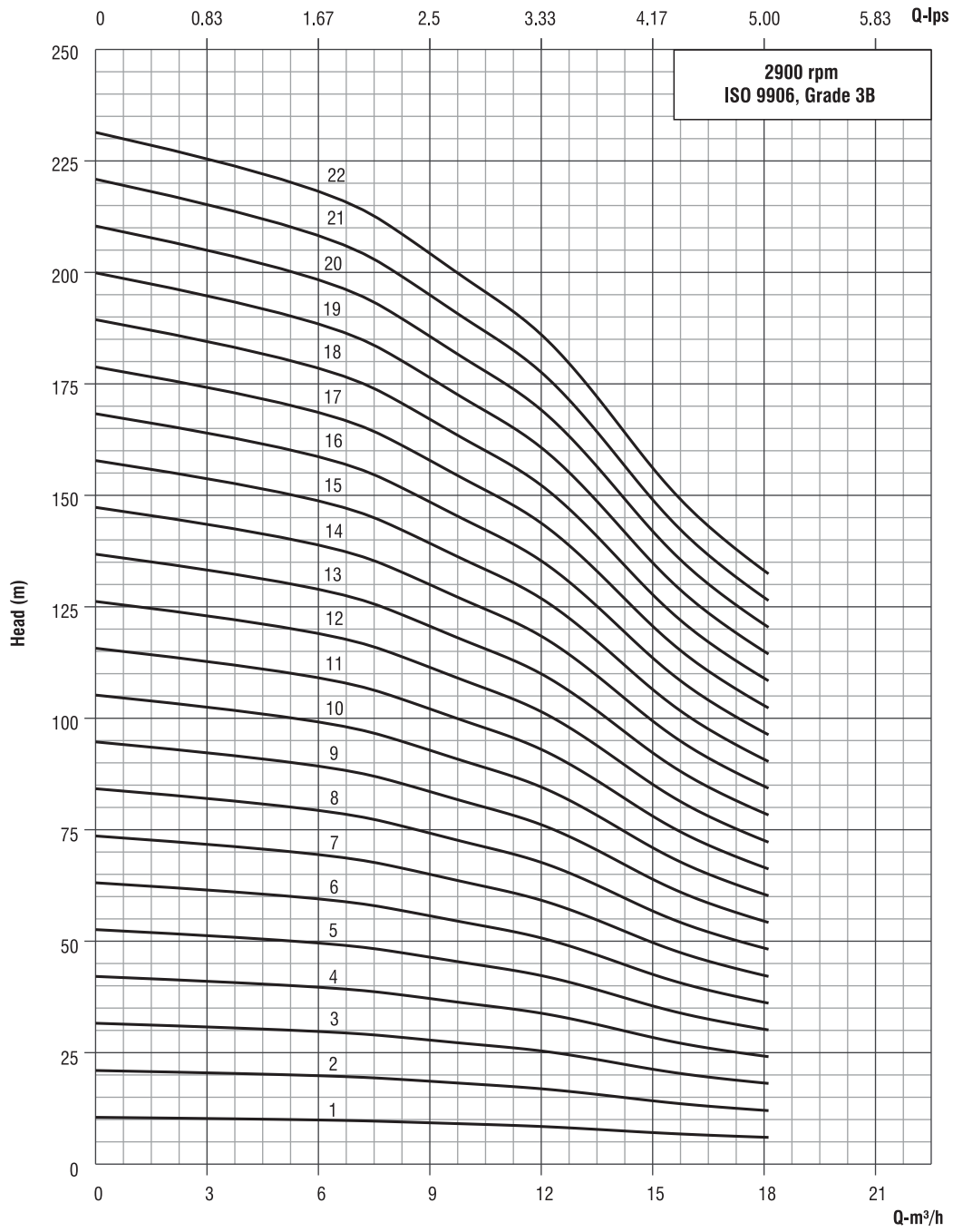


In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

Nominal Diameter : 6"

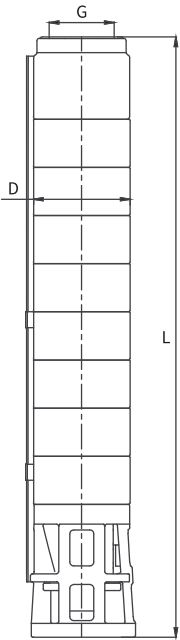
Nominal Flow : 9m³/h

Performance Curves



6S-09

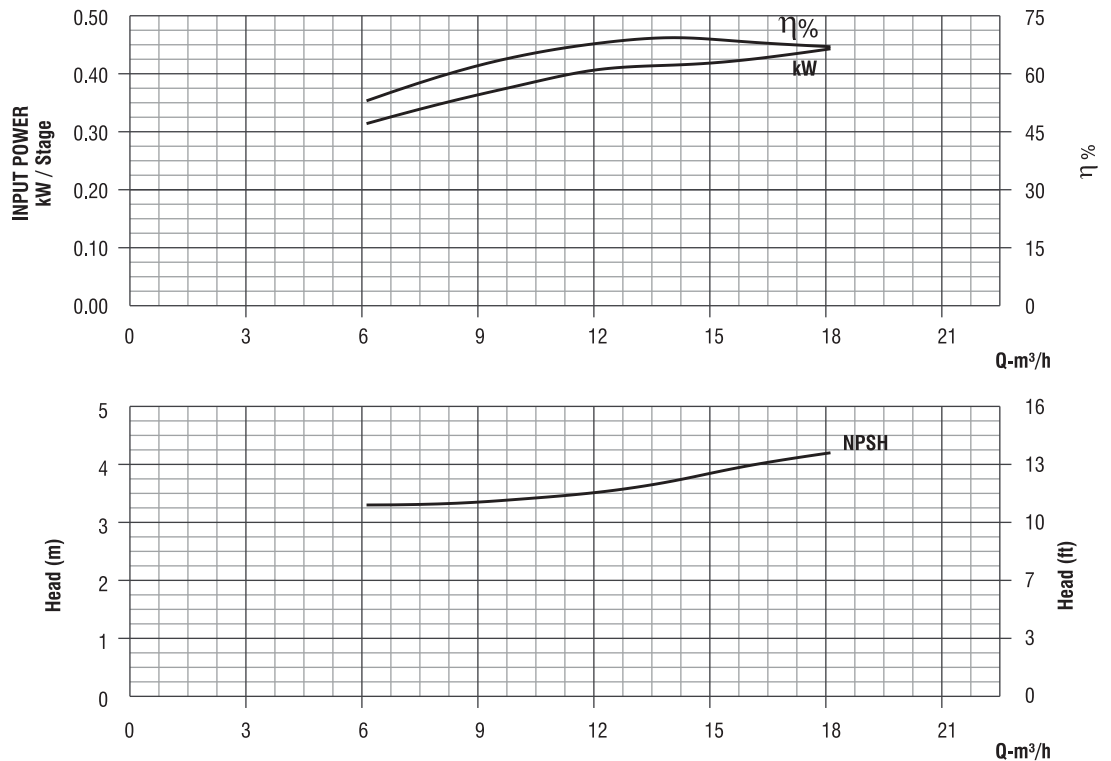
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
6S-09/23	11	15	144	1662	35	39
6S-09/24	11	15	144	1723	36	40
6S-09/25	11	15	144	1783	38	41
6S-09/26	11	15	144	1844	39	42
6S-09/27	13	17.5	144	1904	40	43
6S-09/28	13	17.5	144	1965	41	45
6S-09/29	13	17.5	144	2025	42	46
6S-09/30	13	17.5	144	2086	44	47
6S-09/31	13	17.5	144	2146	45	49
6S-09/32	15	20	144	2207	46	50
6S-09/33	15	20	144	2267	47	51
6S-09/34	15	20	144	2328	49	53
6S-09/35	15	20	144	2388	50	54
6S-09/36	15	20	144	2449	51	55
6S-09/37	18.5	25	144	2509	52	56
6S-09/38	18.5	25	144	2570	53	57
6S-09/39	18.5	25	144	2630	55	59
6S-09/40	18.5	25	144	2691	56	60
6S-09/41	18.5	25	144	2751	57	62
6S-09/42	18.5	25	144	2812	58	63
6S-09/43	22	30	144	2872	60	64
6S-09/44	22	30	144	2933	61	65

G - Outlet Size : 2" BSP (2½" Optional)

Power, Efficiency & NPSH Curves

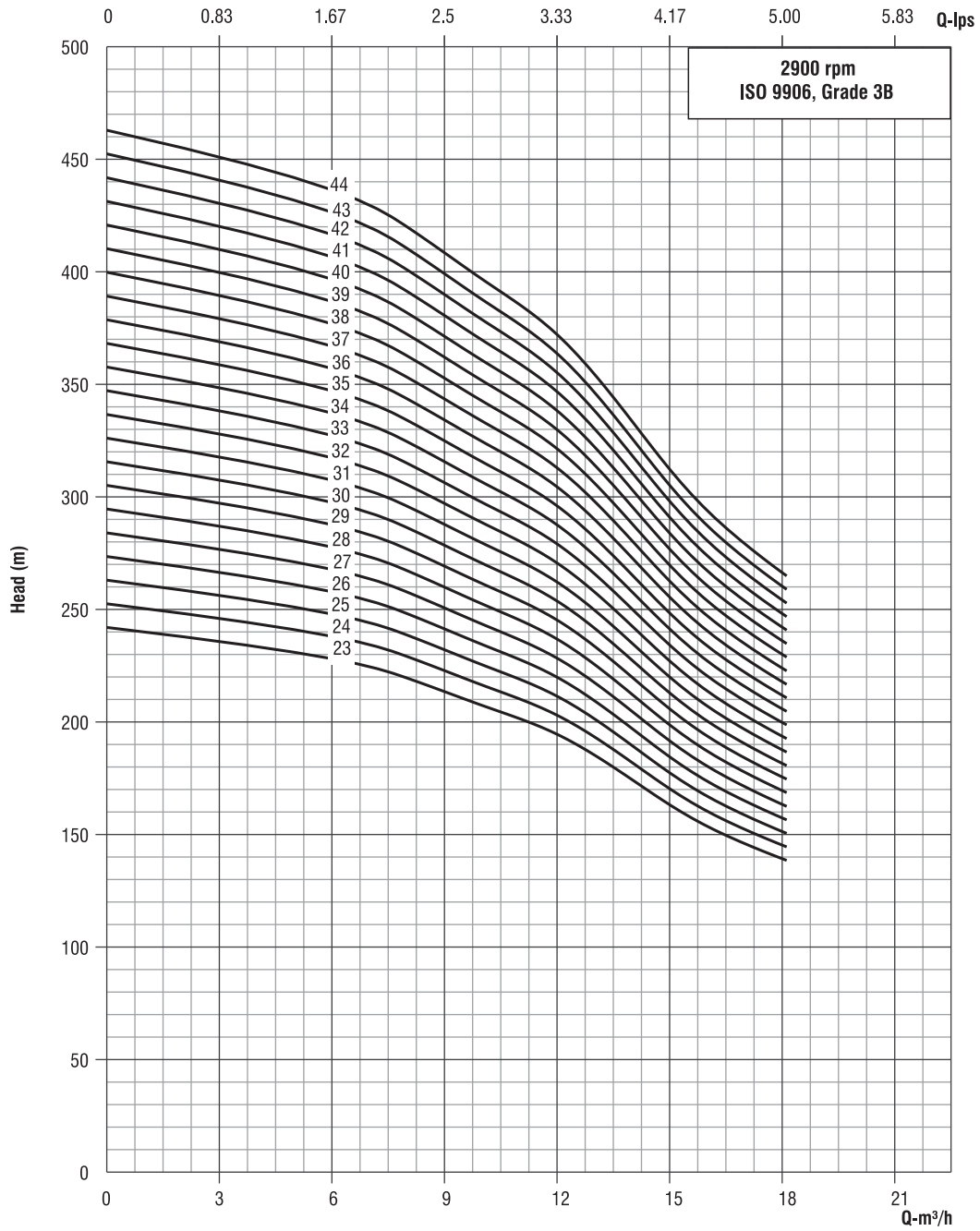


In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

Nominal Diameter : 6"

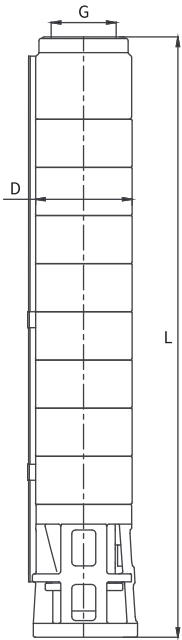
Nominal Flow : 9m³/h

Performance Curves



6S-17

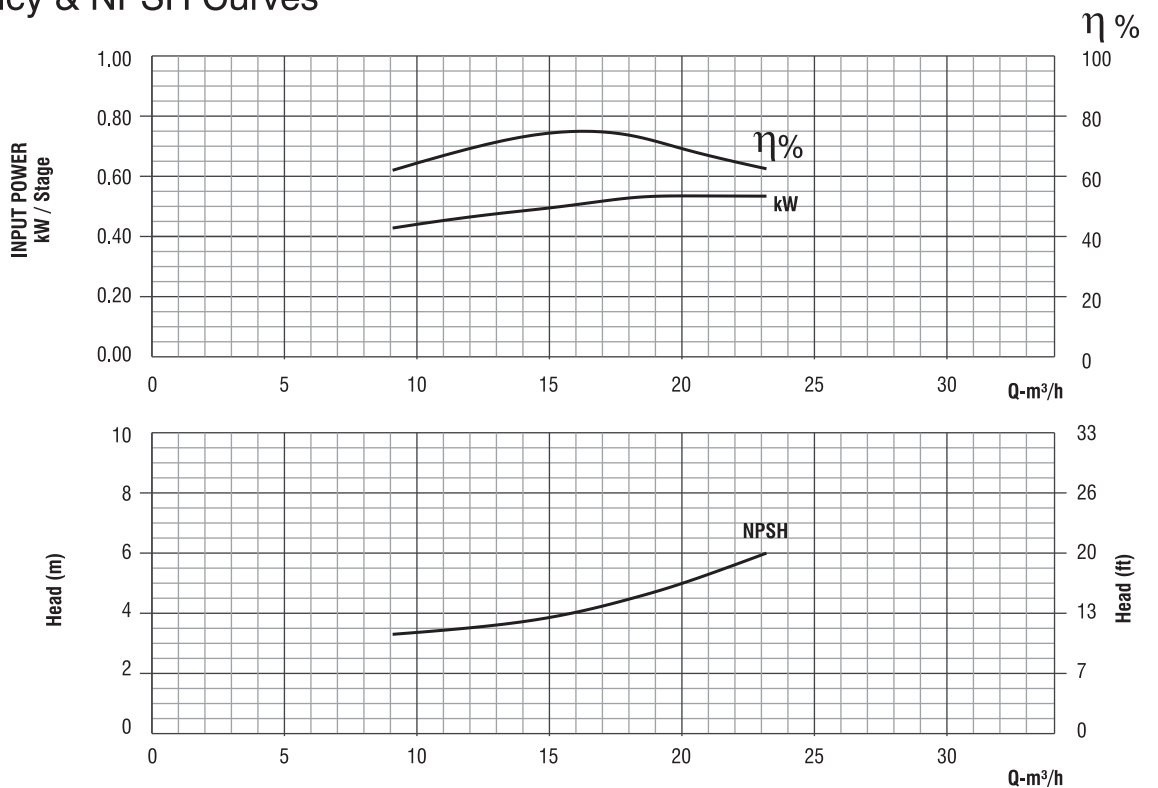
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
6S-17/01	0.55	0.75	144	331	8	10
6S-17/02	1.1	1.5	144	392	9	11
6S-17/03	2.2	3	144	452	11	12
6S-17/04	2.2	3	144	513	12	13
6S-17/05	3	4	144	573	13	15
6S-17/06	3.7	5	144	634	14	16
6S-17/07	4.5	6	144	694	16	18
6S-17/08	5.5	7.5	144	755	17	19
6S-17/09	5.5	7.5	144	815	18	20
6S-17/10	5.5	7.5	144	876	19	21
6S-17/11	7.5	10	144	936	21	23
6S-17/12	7.5	10	144	997	22	24
6S-17/13	7.5	10	144	1057	23	26
6S-17/14	9.3	12.5	144	1118	24	27
6S-17/15	9.3	12.5	144	1178	26	28
6S-17/16	9.3	12.5	144	1239	27	30
6S-17/17	9.3	12.5	144	1299	28	31
6S-17/18	9.3	12.5	144	1360	29	32
6S-17/19	11	15	144	1420	31	34
6S-17/20	11	15	144	1481	32	35
6S-17/21	13	17.5	144	1541	33	37
6S-17/22	13	17.5	144	1602	34	38
6S-17/23	13	17.5	144	1662	36	39
6S-17/24	13	17.5	144	1723	37	40

G - Outlet Size : 2 1/2" BSP (3" Optional)

Power, Efficiency & NPSH Curves

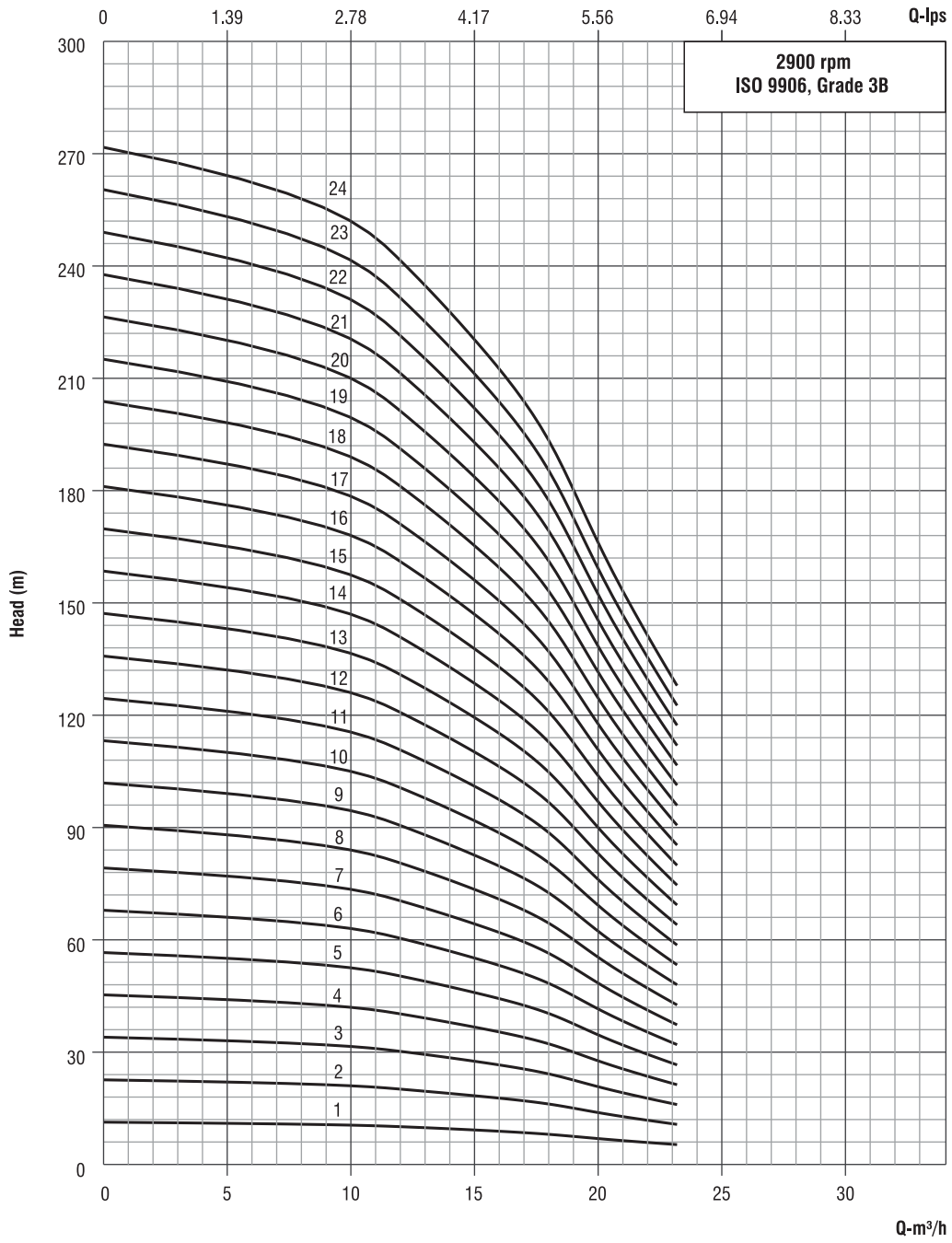


In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

Nominal Diameter : 6"

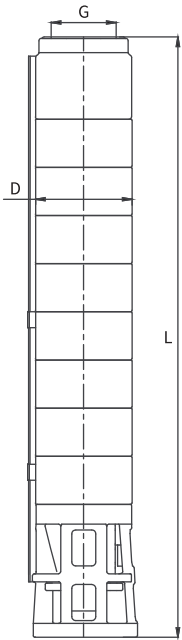
Nominal Flow : 17m³/h

Performance Curves



6S-17

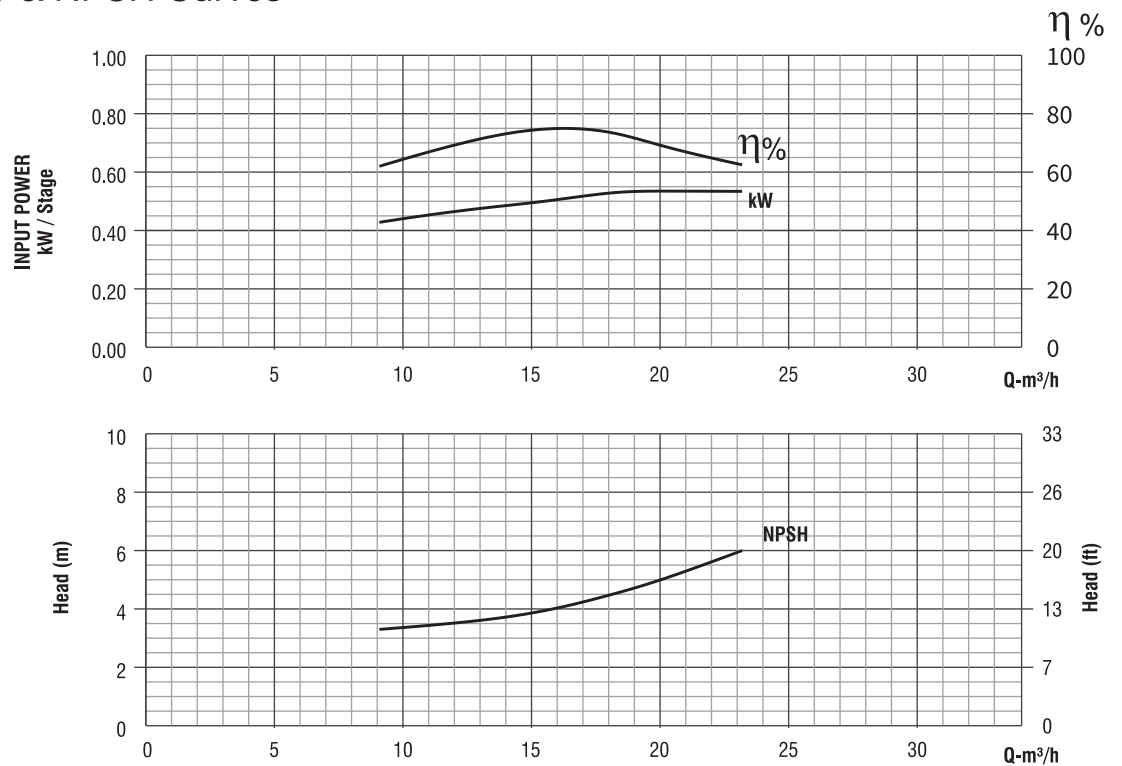
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
6S-17/25	15	20	144	1783	38	42
6S-17/26	15	20	144	1844	39	43
6S-17/27	15	20	144	1904	41	44
6S-17/28	18.5	25	144	1965	42	45
6S-17/29	18.5	25	144	2025	43	47
6S-17/30	18.5	25	144	2086	44	48
6S-17/31	18.5	25	144	2146	46	50
6S-17/32	18.5	25	144	2207	47	51
6S-17/33	18.5	25	144	2267	48	52
6S-17/34	22	30	144	2328	49	53
6S-17/35	22	30	144	2388	51	55
6S-17/36	22	30	144	2449	52	56
6S-17/37	22	30	144	2509	53	57
6S-17/38	22	30	144	2570	54	58
6S-17/39	22	30	144	2630	56	60
6S-17/40	22	30	144	2691	57	61
6S-17/43	26	35	144	2893	61	63
6S-17/45	26	35	144	3028	64	69
6S-17/48	26	35	144	3230	68	74
6S-17/51	30	40	144	3432	72	79
6S-17/53	30	40	144	3567	75	82
6S-17/55	37	50	144	3702	78	85
6S-17/58	37	50	144	3904	82	90
6S-17/60	37	50	144	4039	85	93

G - Outlet Size : 2 1/2" BSP (3" Optional)

Power, Efficiency & NPSH Curves

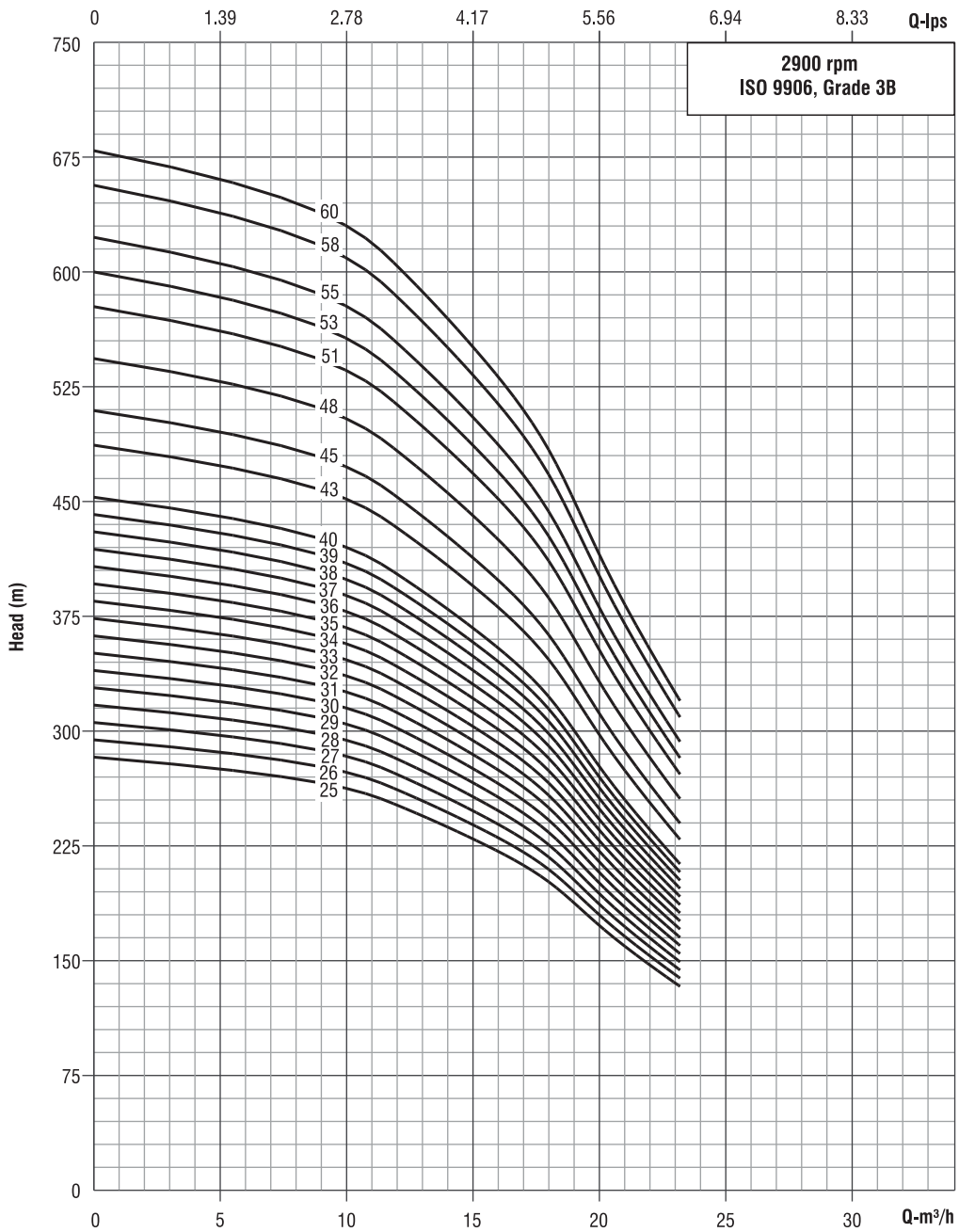


In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

Nominal Diameter : 6"

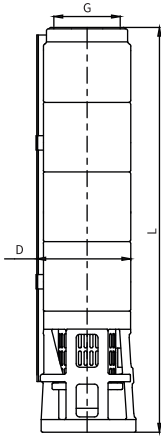
Nominal Flow : 17m³/h

Performance Curves



6S-30

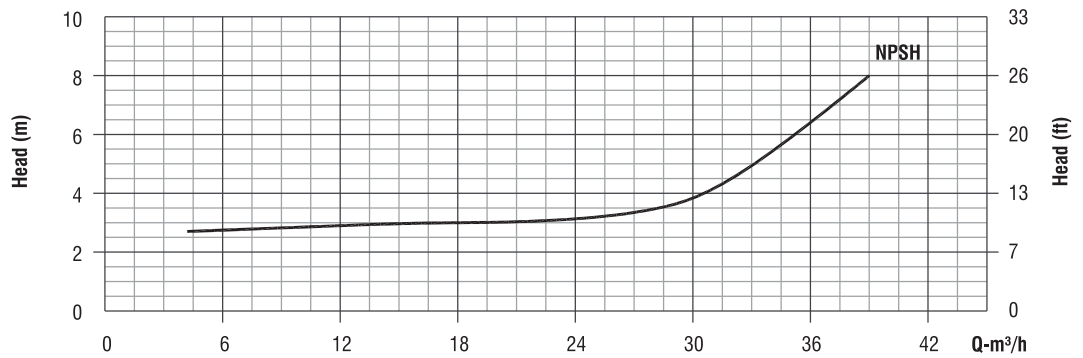
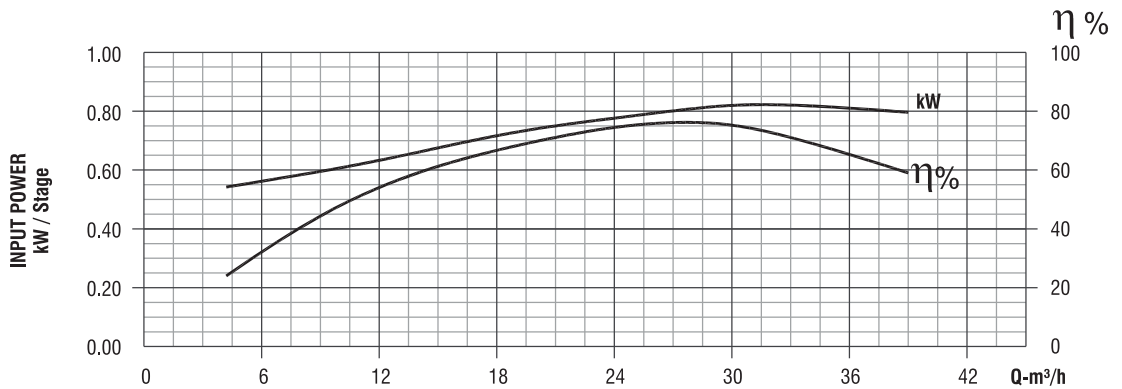
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
6S-30/01	1.1	1.5	144	367	9	14
6S-30/02	2.2	3	144	463	11	16
6S-30/03	3	4	144	559	13	18
6S-30/04	3.7	5	144	655	15	20
6S-30/05	5.5	7.5	144	751	11	16
6S-30/06	5.5	7.5	144	847	19	24
6S-30/07	7.5	10	144	943	21	26
6S-30/08	7.5	10	144	1039	23	28
6S-30/09	9.3	12.5	144	1135	25	30
6S-30/10	9.3	12.5	144	1231	27	32
6S-30/11	9.3	12.5	144	1327	29	34
6S-30/12	11	15	144	1423	31	36

G - Outlet Size : 3" BSP (2½" Optional)

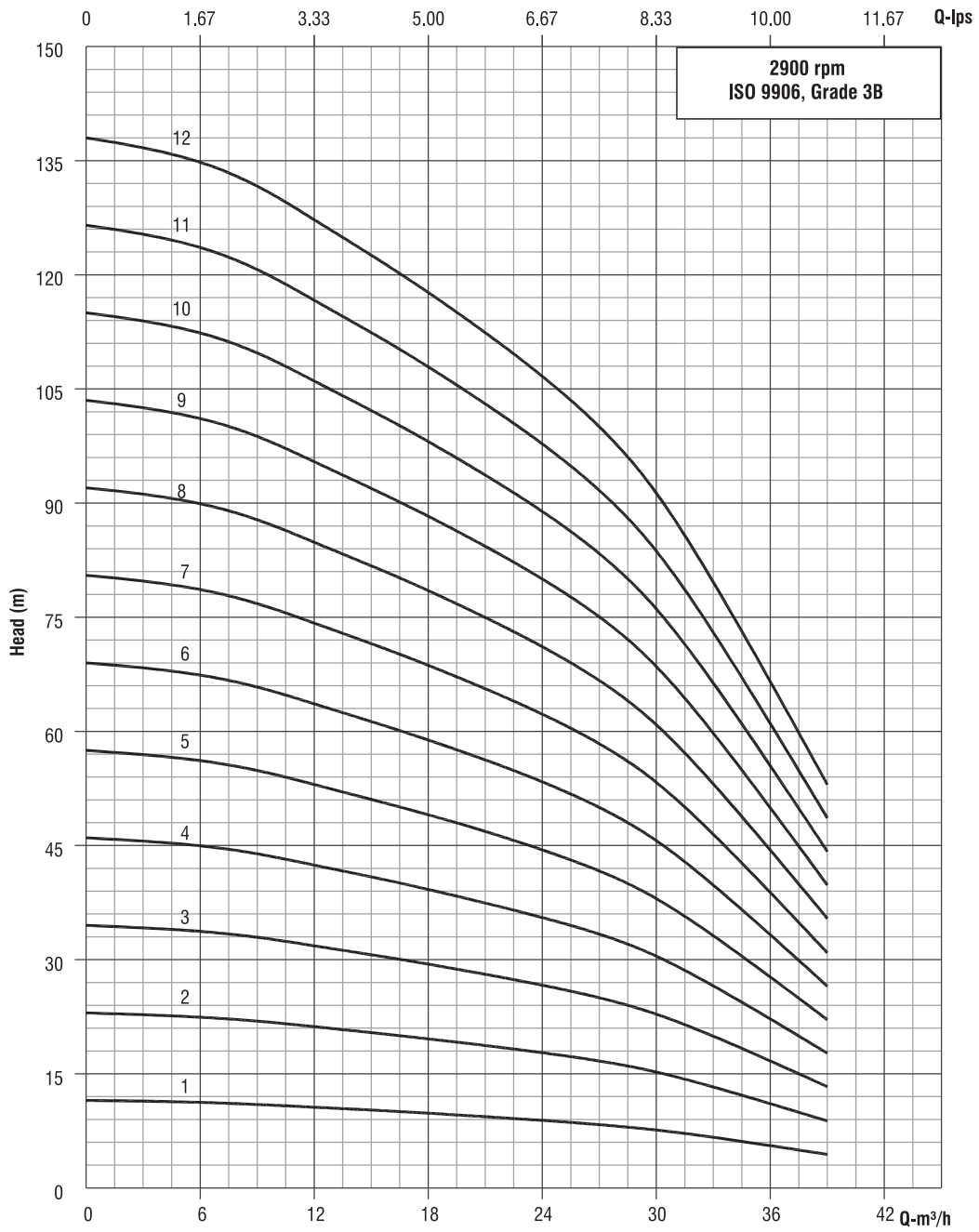
Power, Efficiency & NPSH Curves



Nominal Diameter : 6"

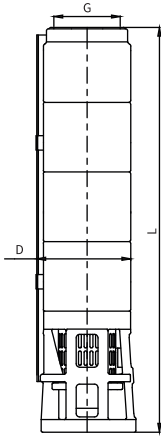
Nominal Flow : 30m³/h

Performance Curves



6S-30

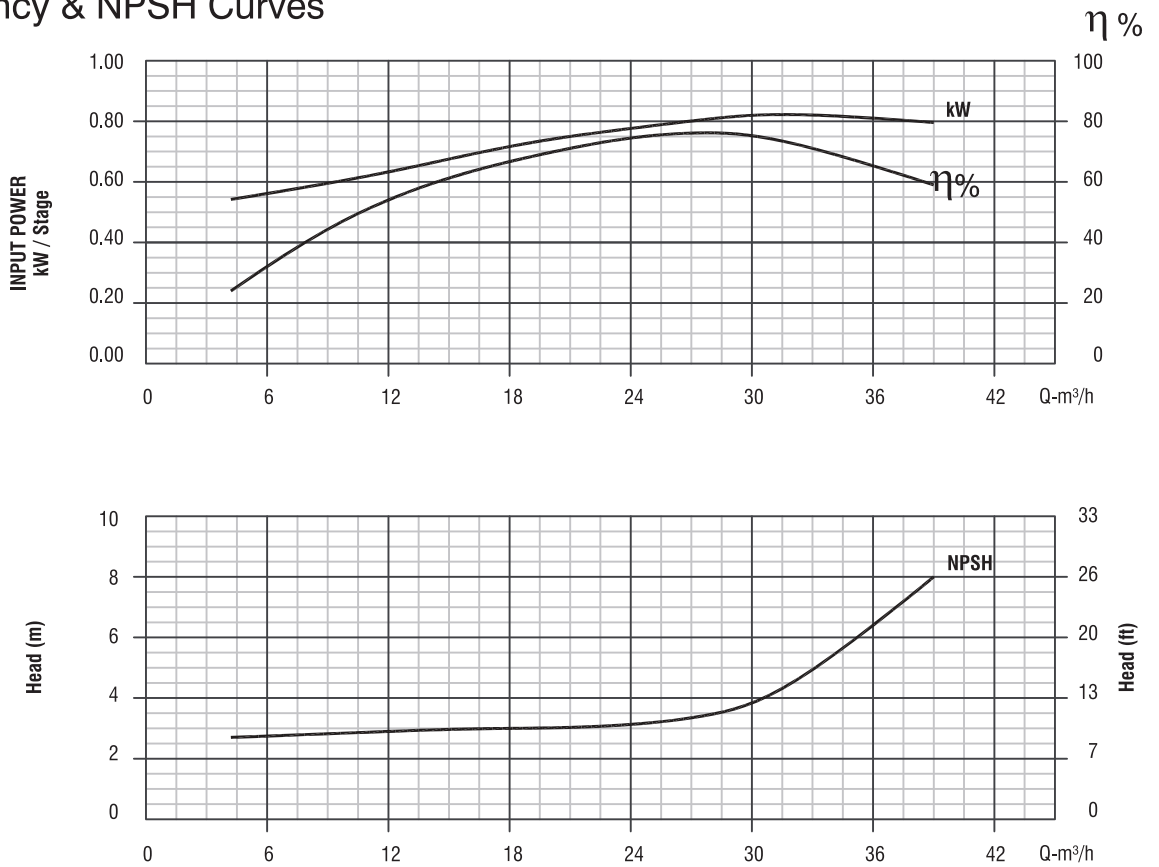
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
6S-30/13	11	15	144	1519	33	38
6S-30/14	13	17.5	144	1615	35	40
6S-30/15	13	17.5	144	1711	37	47
6S-30/16	15	20	144	1807	39	49
6S-30/17	15	20	144	1903	41	51
6S-30/18	18.5	25	144	1999	43	53
6S-30/19	18.5	25	144	2095	45	55
6S-30/20	18.5	25	144	2191	47	57
6S-30/21	18.5	25	144	2287	49	59
6S-30/22	22	30	144	2383	51	63
6S-30/23	22	30	144	2479	53	65
6S-30/24	22	30	144	2575	55	67

G - Outlet Size : 3" BSP (2 1/2" Optional)

Power, Efficiency & NPSH Curves

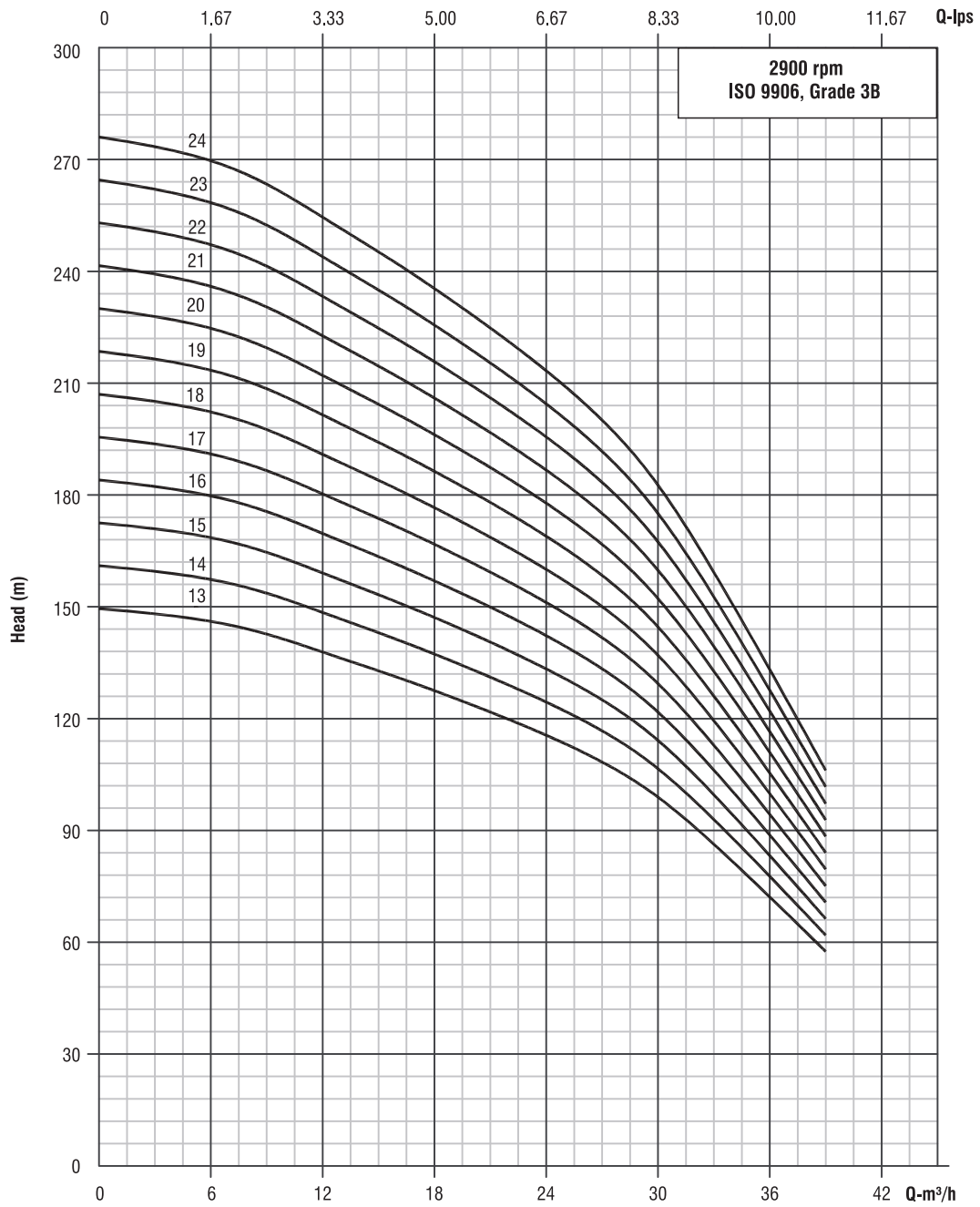


In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

Nominal Diameter : 6"

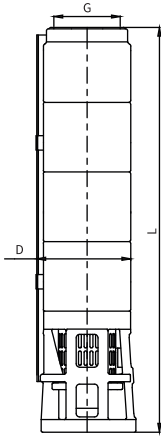
Nominal Flow : 30m³/h

Performance Curves



6S-30

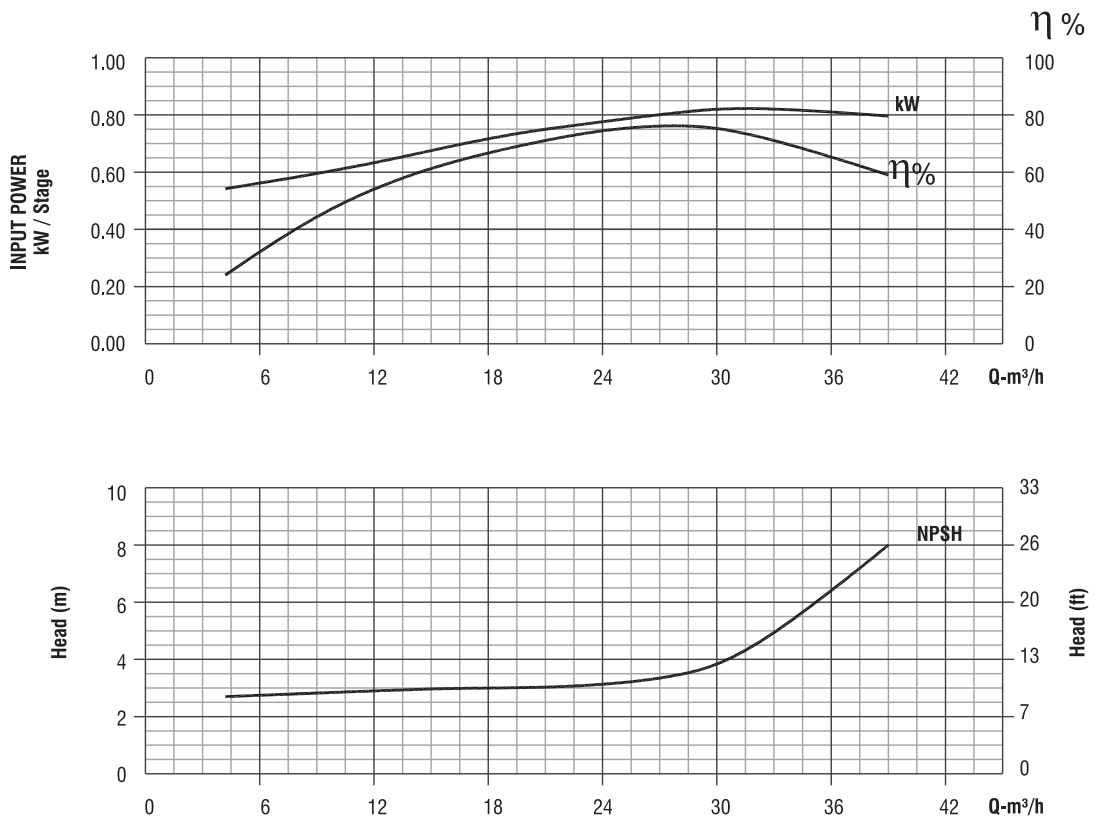
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
6S-30/25	22	30	144	2671	57	69
6S-30/26	22	30	144	2767	59	71
6S-30/27	26	35	144	2863	61	73
6S-30/28	26	35	144	2959	63	75
6S-30/29	26	35	144	3055	65	77
6S-30/30	26	35	144	3151	67	79
6S-30/31	30	40	144	3247	69	81
6S-30/32	30	40	144	3343	71	83
6S-30/33	30	40	144	3439	73	85
6S-30/34	30	40	144	3535	75	87
6S-30/35	30	40	144	3631	77	89
6S-30/39	37	50	144	4450	105	117
6S-30/43	37	50	144	4834	113	125

G - Outlet Size : 3" BSP (2 1/2" Optional)

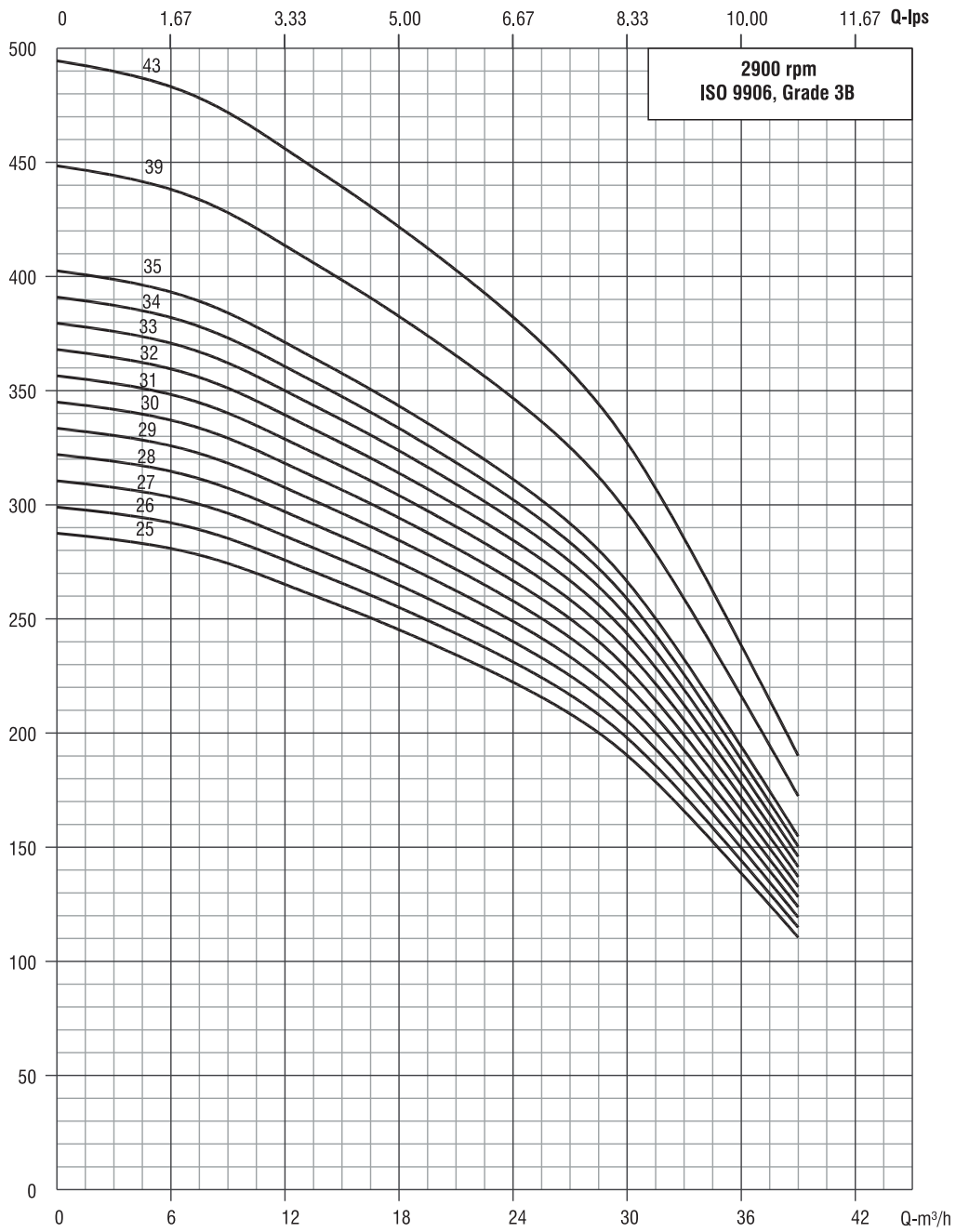
Power, Efficiency & NPSH Curves



Nominal Diameter : 6"

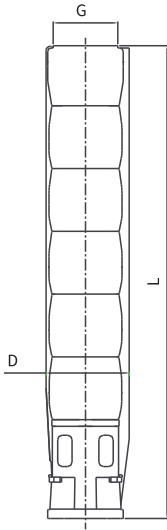
Nominal Flow : 30m³/h

Performance Curves



6S-46

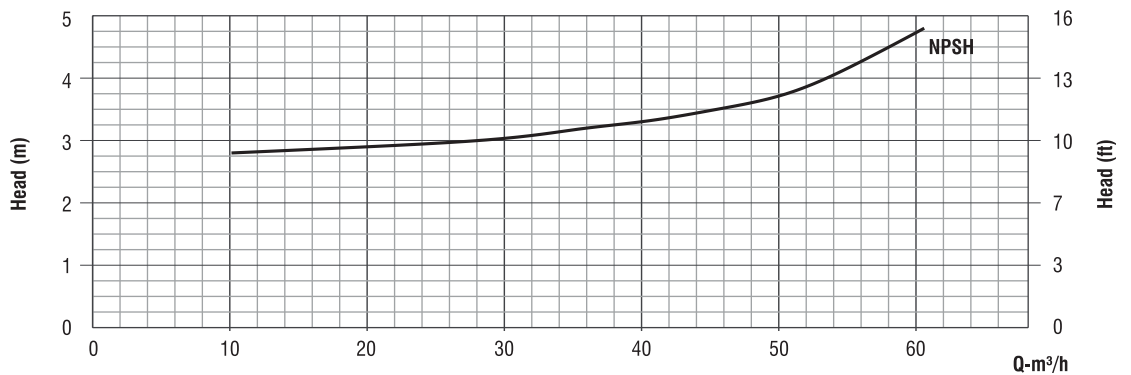
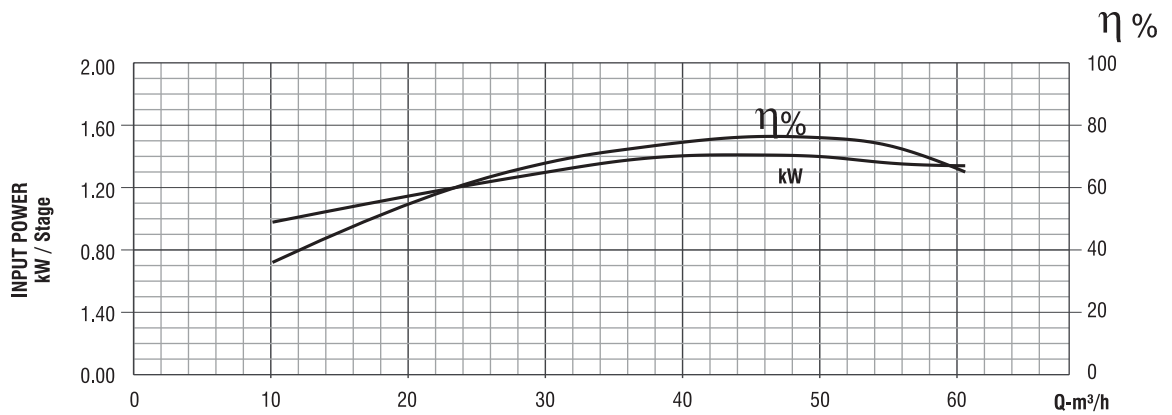
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
6S-46/01	2.2	3	147	113	12	14
6S-46/02	3	4	147	509	14	15
6S-46/03	5.5	7.5	147	622	16	17
6S-46/04	7.5	10	147	735	18	21
6S-46/05	7.5	10	147	848	20	23
6S-46/06	9.3	12.5	147	961	18	24
6S-46/07	11	15	147	1074	20	25
6S-46/08	13	17.5	147	1187	22	28
6S-46/09	15	20	147	1300	24	29
6S-46/10	15	20	147	1413	26	34
6S-46/11	18.5	25	147	1526	28	36
6S-46/12	18.5	25	147	1639	32	42

G - Outlet Size : 4" BSP (3" Optional)

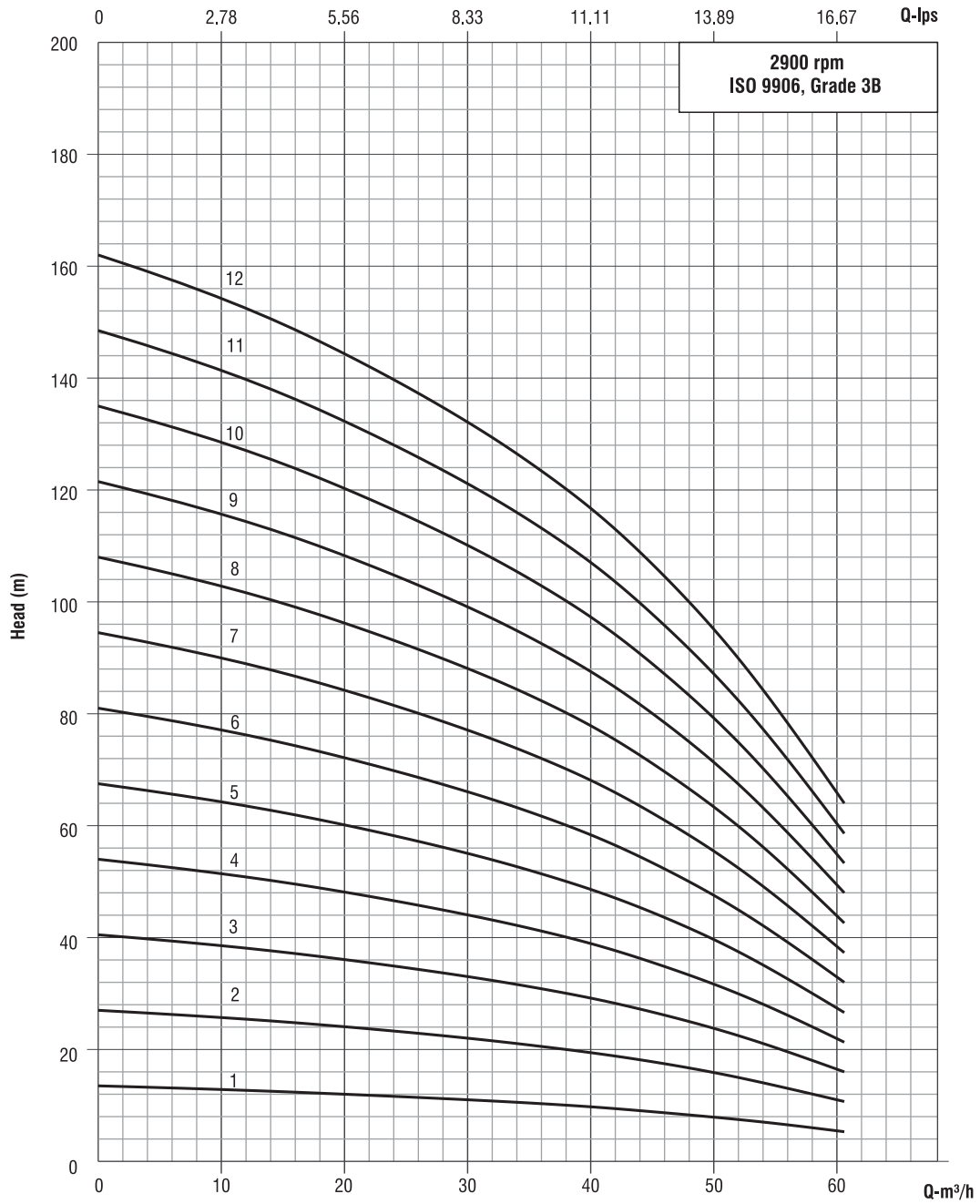
Power, Efficiency & NPSH Curves



Nominal Diameter : 6"

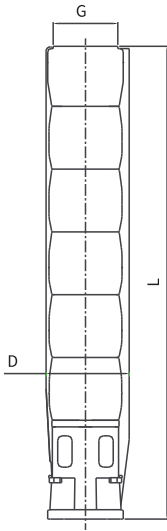
Nominal Flow : 46m³/h

Performance Curves



6S-46

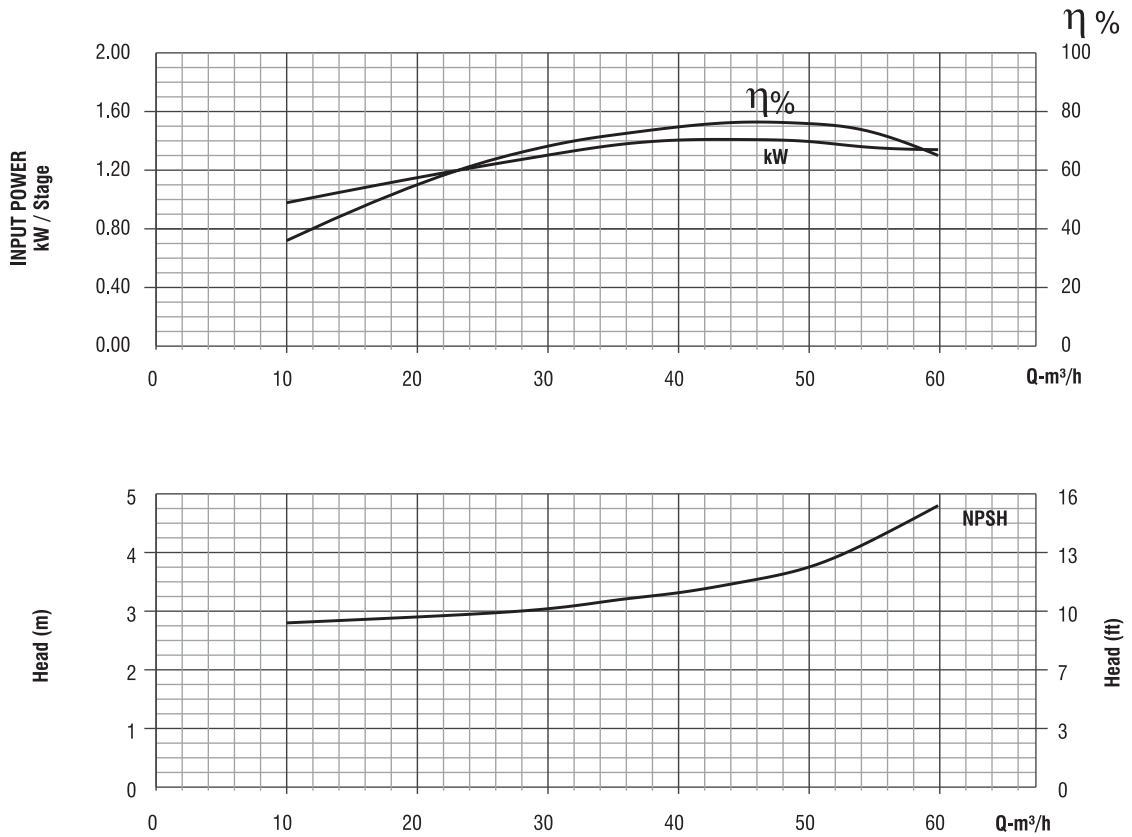
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
6S-46/13	22	30	147	1752	34	44
6S-46/14	22	30	147	1865	36	46
6S-46/15	22	30	147	1978	38	48
6S-46/16	26	35	147	2091	40	50
6S-46/17	26	35	147	2204	42	52
6S-46/18	30	40	147	2317	44	54
6S-46/19	30	40	147	2430	46	56
6S-46/20	30	40	147	2543	48	58
6S-46/21	37	50	147	2656	55	60
6S-46/22	37	50	147	2769	57	62
6S-46/23	37	50	147	2882	60	65
6S-46/24	37	50	147	2995	62	67
6S-46/26	45	60	147	3245	67	73
6S-46/28	45	60	147	3495	72	79
6S-46/30	45	60	147	3745	77	85
6S-46/33	55	75	147	4120	85	94
6S-46/35	55	75	147	4370	90	100
6S-46/37	63	85	147	4620	95	106

G - Outlet Size : 4" BSP (3" Optional)

Power, Efficiency & NPSH Curves

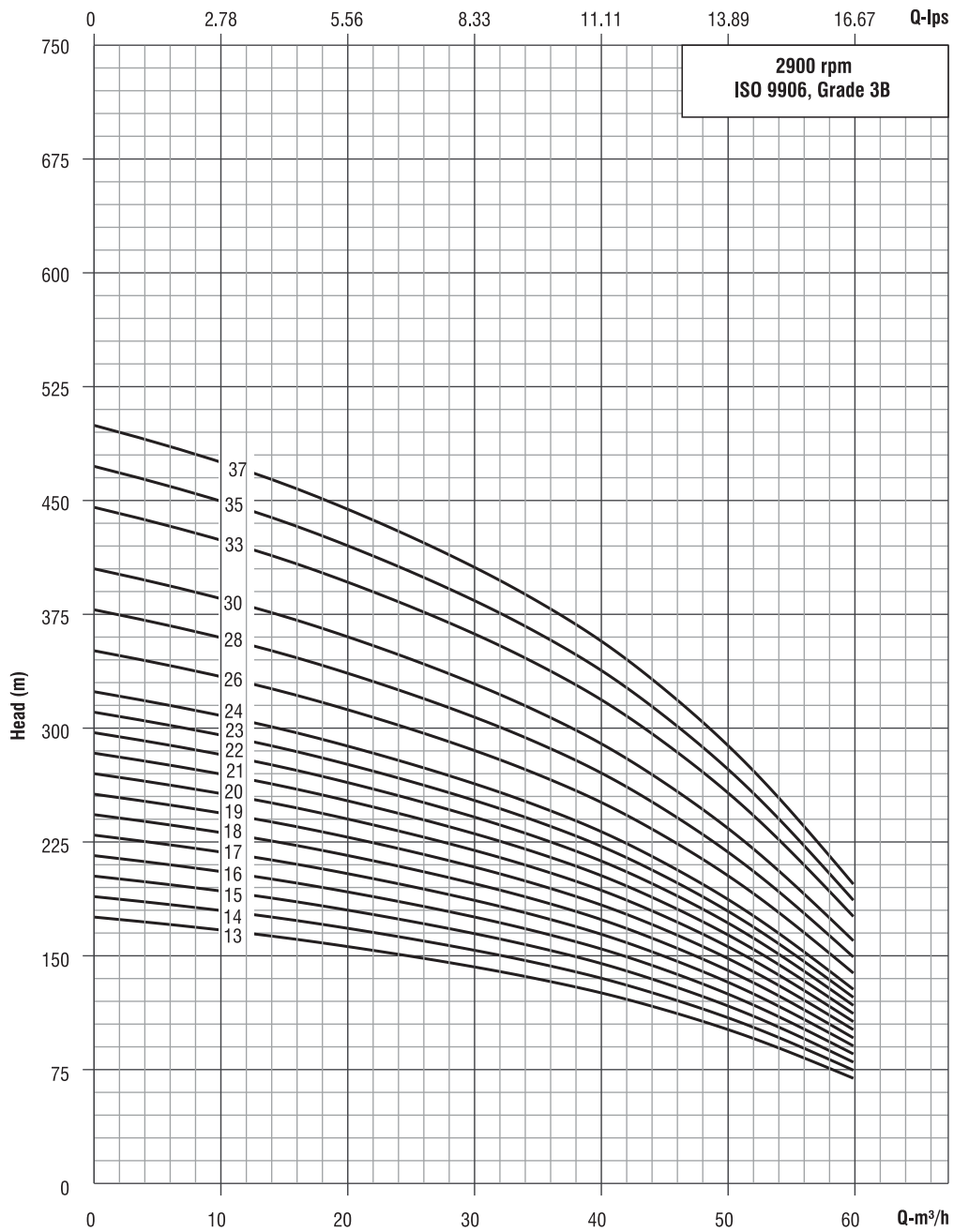


In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

Nominal Diameter : 6"

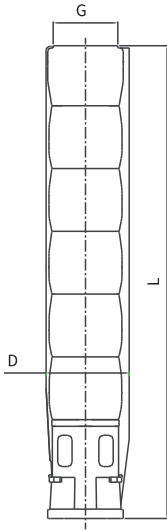
Nominal Flow : 46m³/h

Performance Curves



6S-60

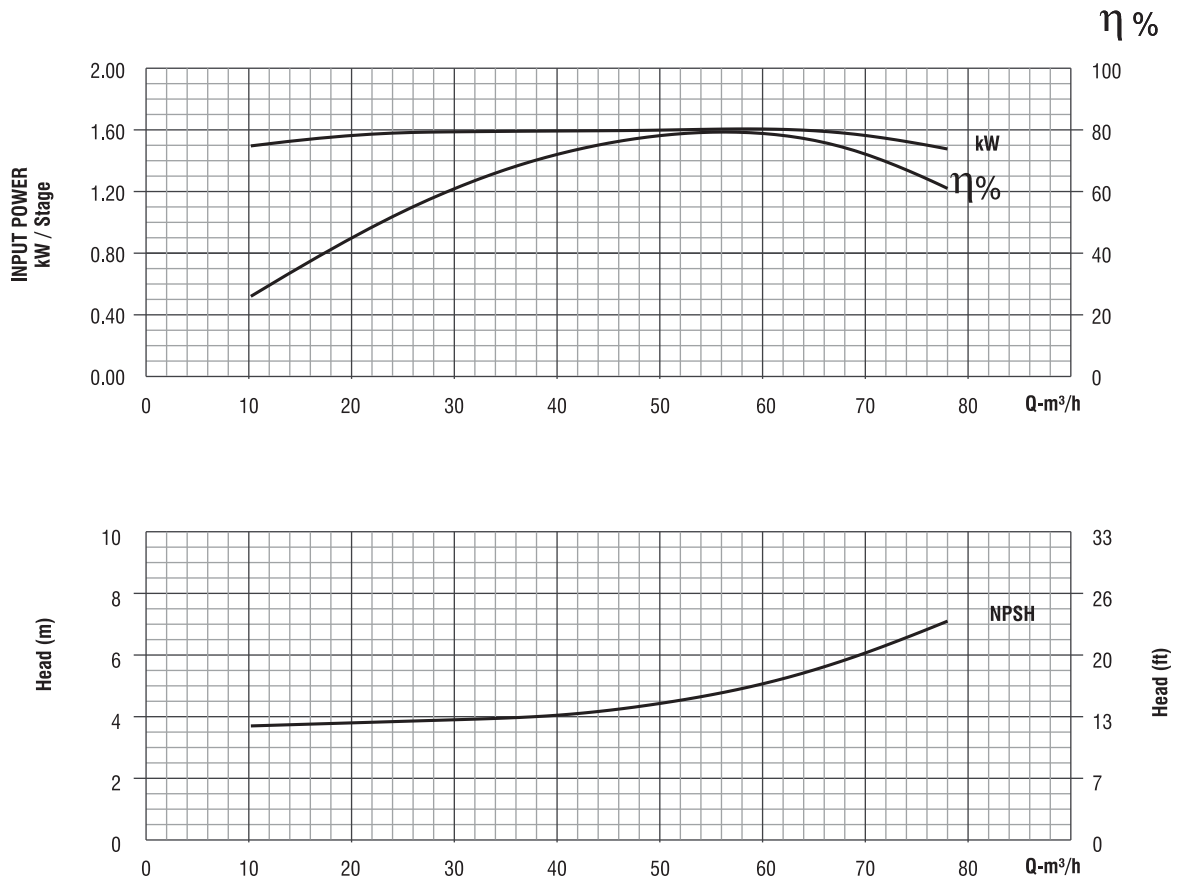
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
6S-60/01	2.2	3	147	113	12	14
6S-60/02	3.7	5	147	509	14	15
6S-60/03	5.5	7.5	147	622	16	17
6S-60/04	7.5	10	147	735	18	21
6S-60/05	9.3	12.5	147	848	20	23
6S-60/06	11	15	147	961	18	24
6S-60/07	13	17.5	147	1074	20	25
6S-60/08	15	20	147	1187	22	28
6S-60/09	18.5	25	147	1300	24	29
6S-60/10	18.5	25	147	1413	26	34

G - Outlet Size : 4" BSP (3" Optional)

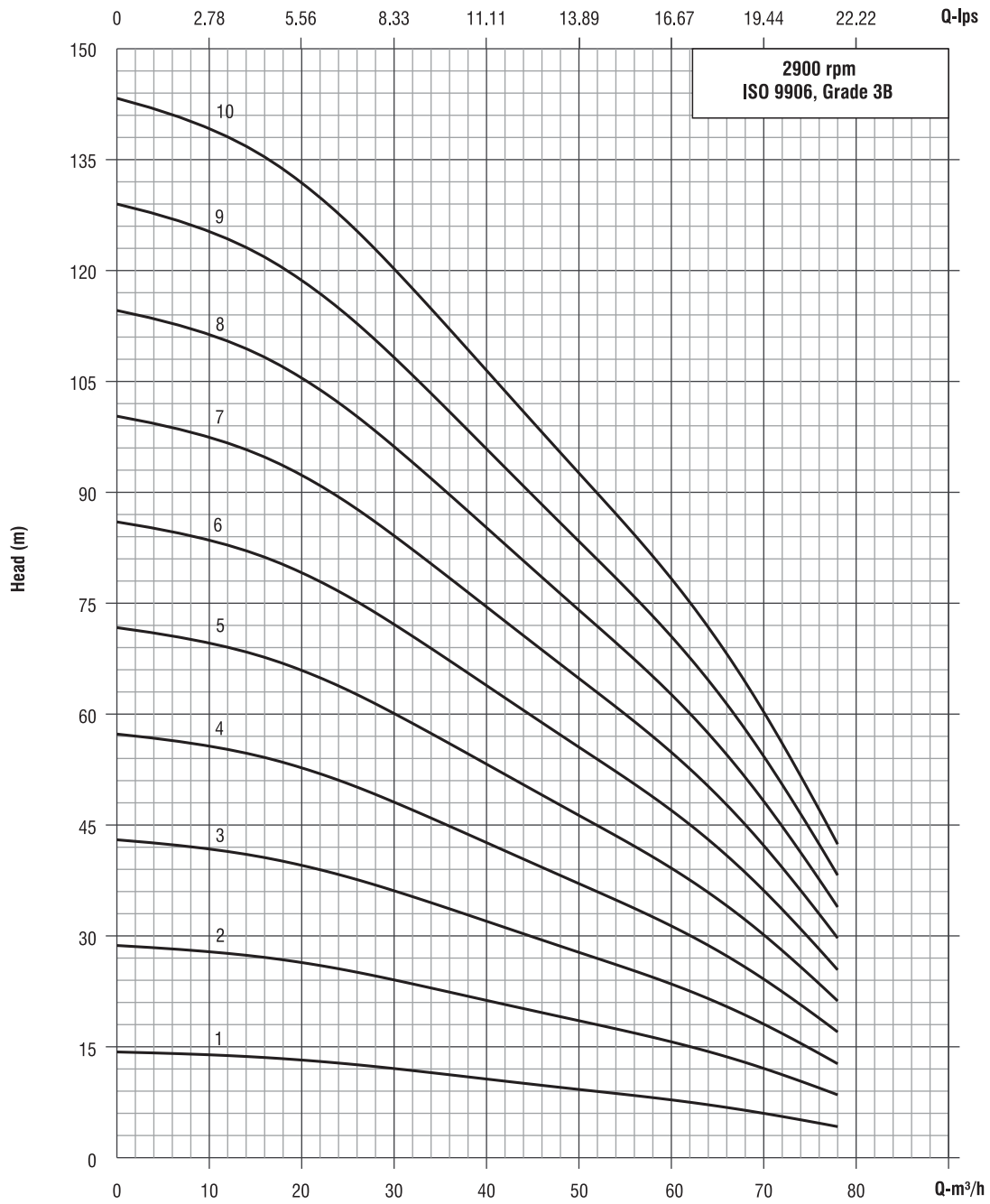
Power, Efficiency & NPSH Curves



Nominal Diameter : 6"

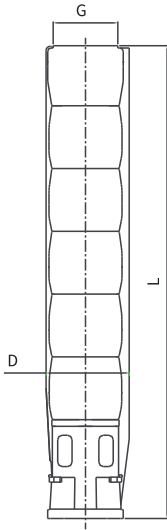
Nominal Flow : 46m³/h

Performance Curves



6S-60

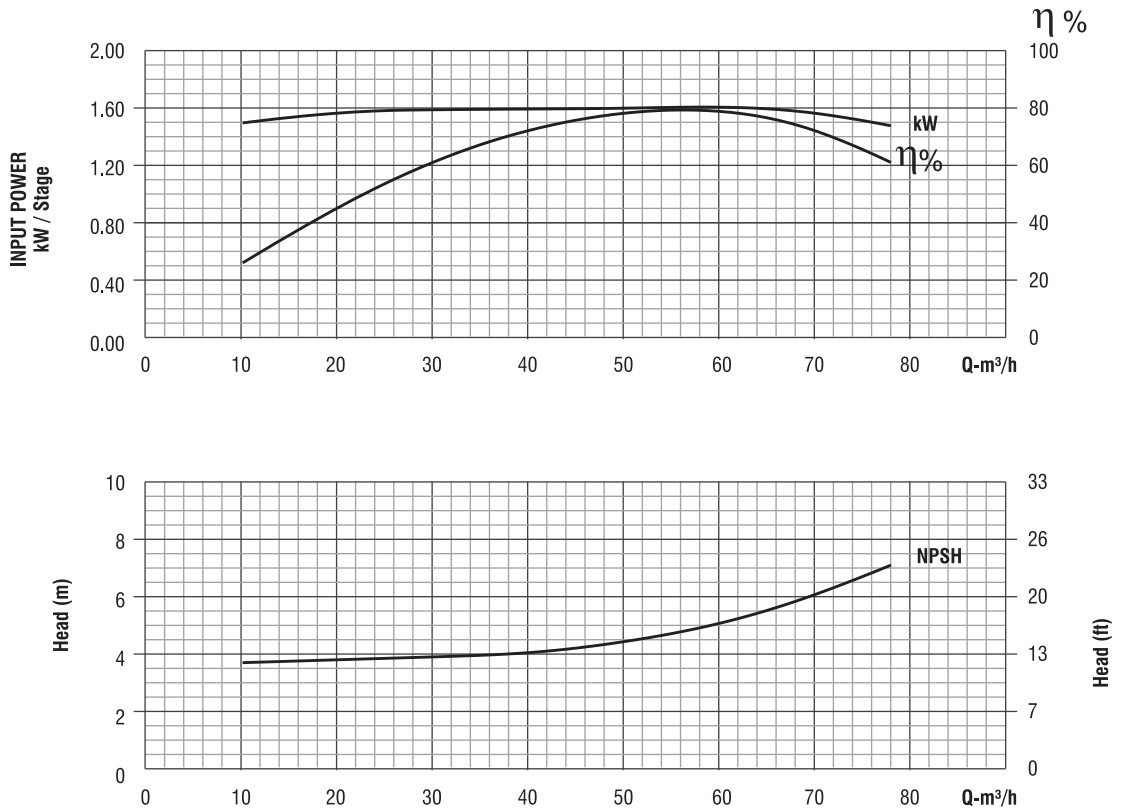
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
6S-60/11	22	30	147	1526	28	36
6S-60/12	22	30	147	1639	32	42
6S-60/13	26	35	147	1752	34	44
6S-60/14	26	35	147	1865	36	46
6S-60/15	26	35	147	1978	38	48
6S-60/16	30	40	147	2091	40	50
6S-60/17	30	40	147	2204	42	52
6S-60/18	30	40	147	2317	44	54
6S-60/19	37	50	147	2430	46	56
6S-60/20	37	50	147	2543	48	58
6S-60/21	37	50	147	2656	50	60
6S-60/22	45	60	147	2782	52	63
6S-60/23	45	60	147	2908	54	66
6S-60/24	45	60	147	3034	56	69
6S-60/26	55	75	147	3287	61	75
6S-60/28	55	75	147	3540	66	81
6S-60/30	55	75	147	3793	71	87

G - Outlet Size : 4" BSP (3" Optional)

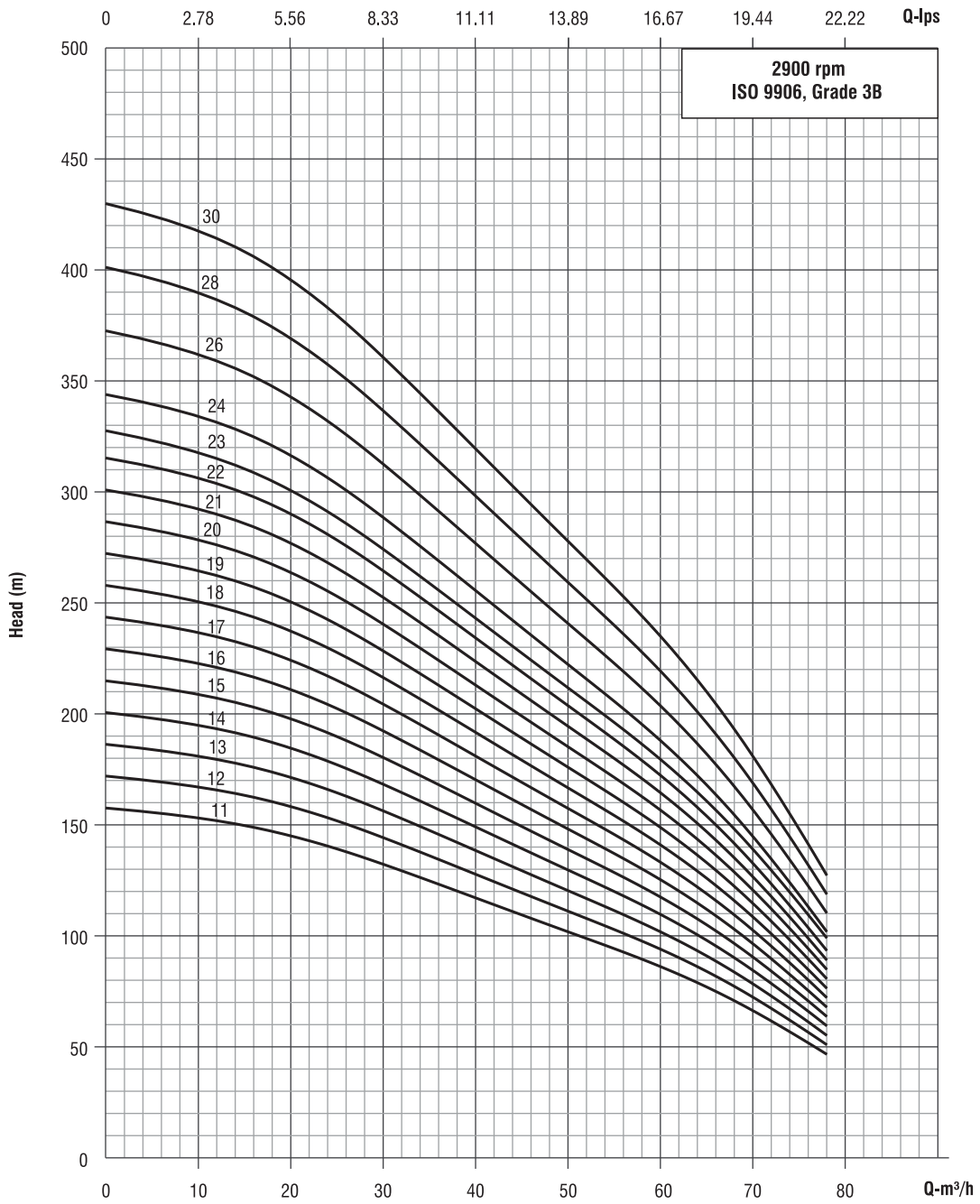
Power, Efficiency & NPSH Curves



Nominal Diameter : 6"

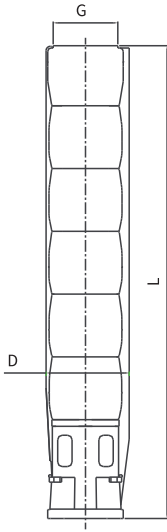
Nominal Flow : 60m³/h

Performance Curves



8S-77

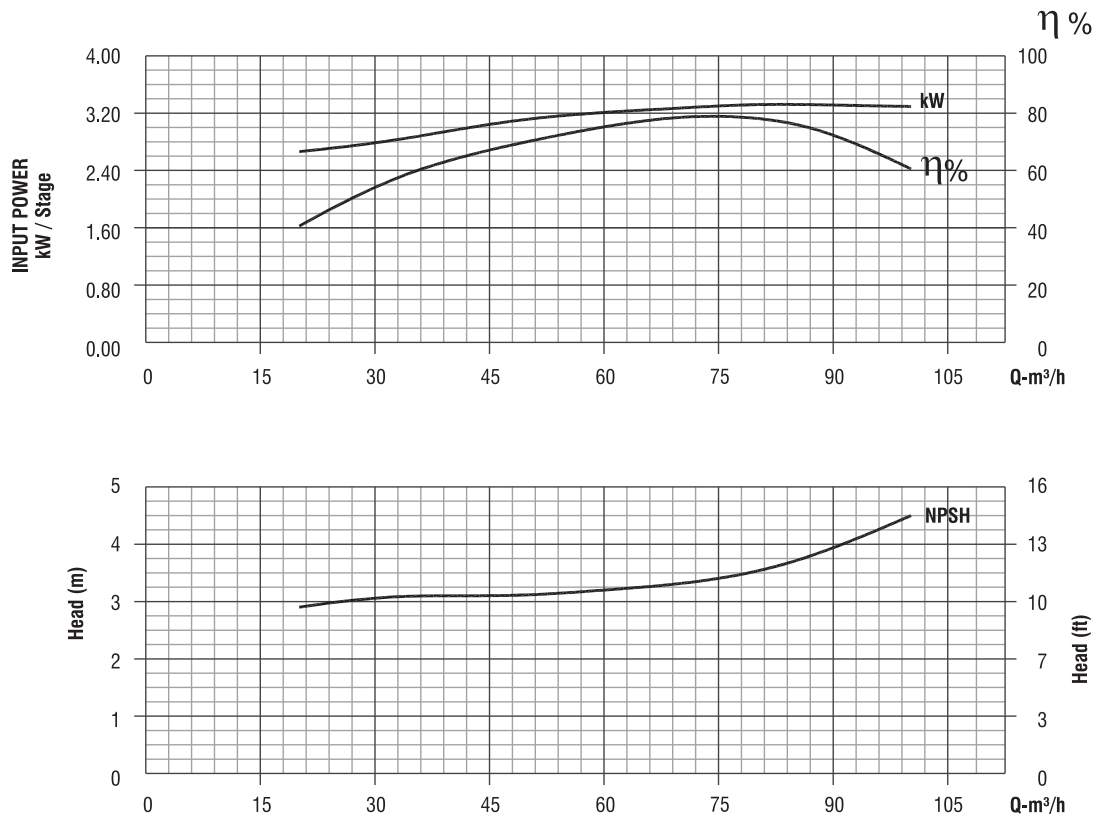
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
8S-77/01	5.5	7.5	188	620	21	24
8S-77/02	7.5	10	188	748	25	28
8S-77/03	9.3	12.5	188	876	29	32
8S-77/04	15	20	188	1004	33	36
8S-77/05	18.5	25	188	1132	37	40
8S-77/06	22	30	188	1260	41	44
8S-77/07	26	35	188	1388	45	48
8S-77/08	30	40	188	1516	49	52
8S-77/09	30	40	188	1644	53	56
8S-77/10	37	50	196	1772	55	58

G - Outlet Size : 5" BSP

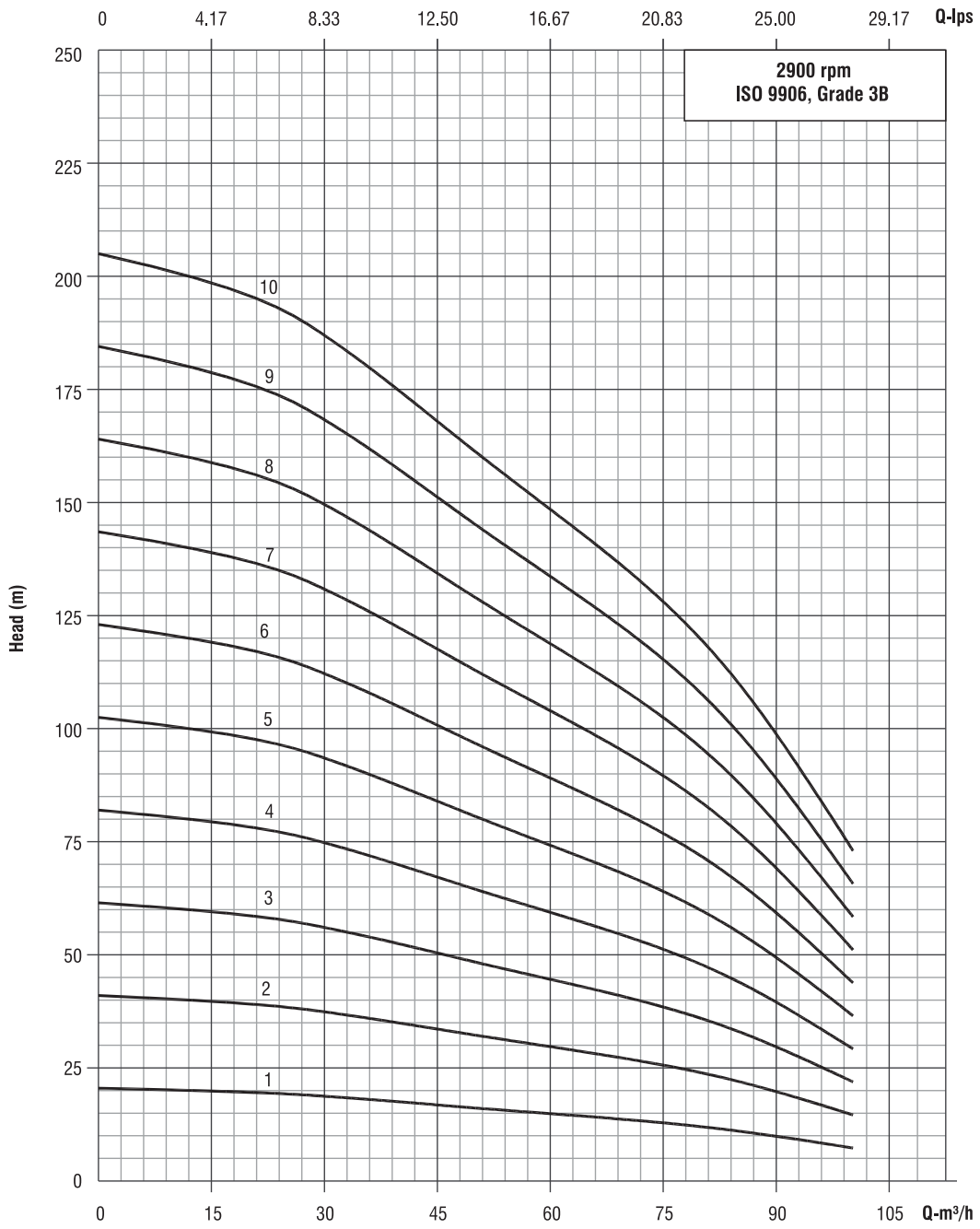
Power, Efficiency & NPSH Curves



Nominal Diameter : 8"

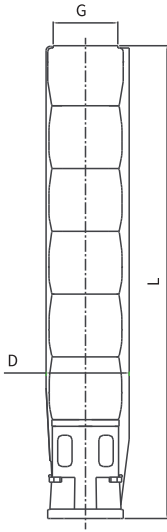
Nominal Flow : 77m³/h

Performance Curves



8S-77

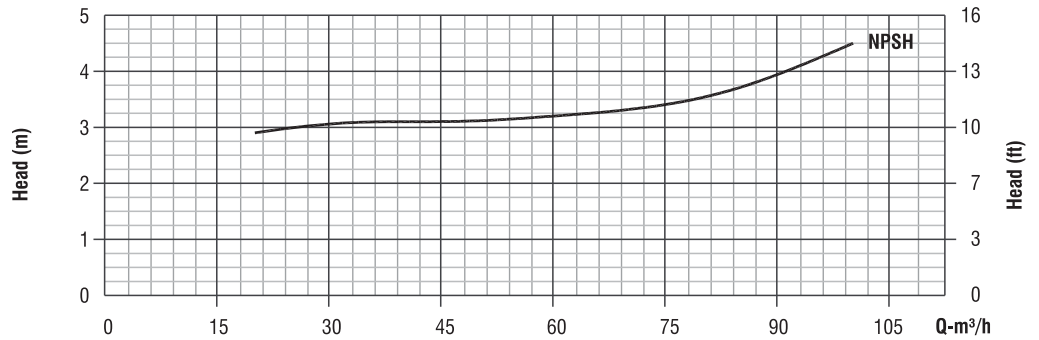
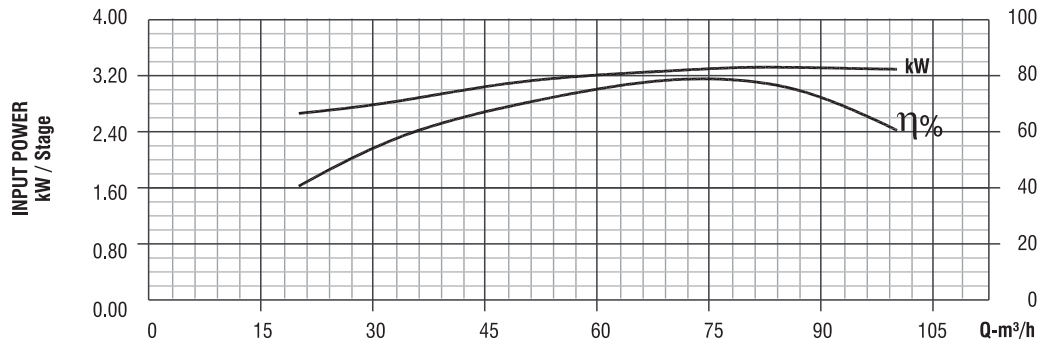
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
8S-77/11	37	50	196	1900	59	62
8S-77/12	45	60	196	2028	63	66
8S-77/13	55	75	196	2156	67	70
8S-77/14	55	75	196	2284	71	74
8S-77/15	55	75	196	2412	75	78
8S-77/16	67	90	196	2540	79	82
8S-77/17	67	90	196	2668	83	86
8S-77/18	67	90	196	2796	87	90
8S-77/19	75	100	196	2924	91	94
8S-77/20	75	100	196	3052	95	98

G - Outlet Size : 5" BSP

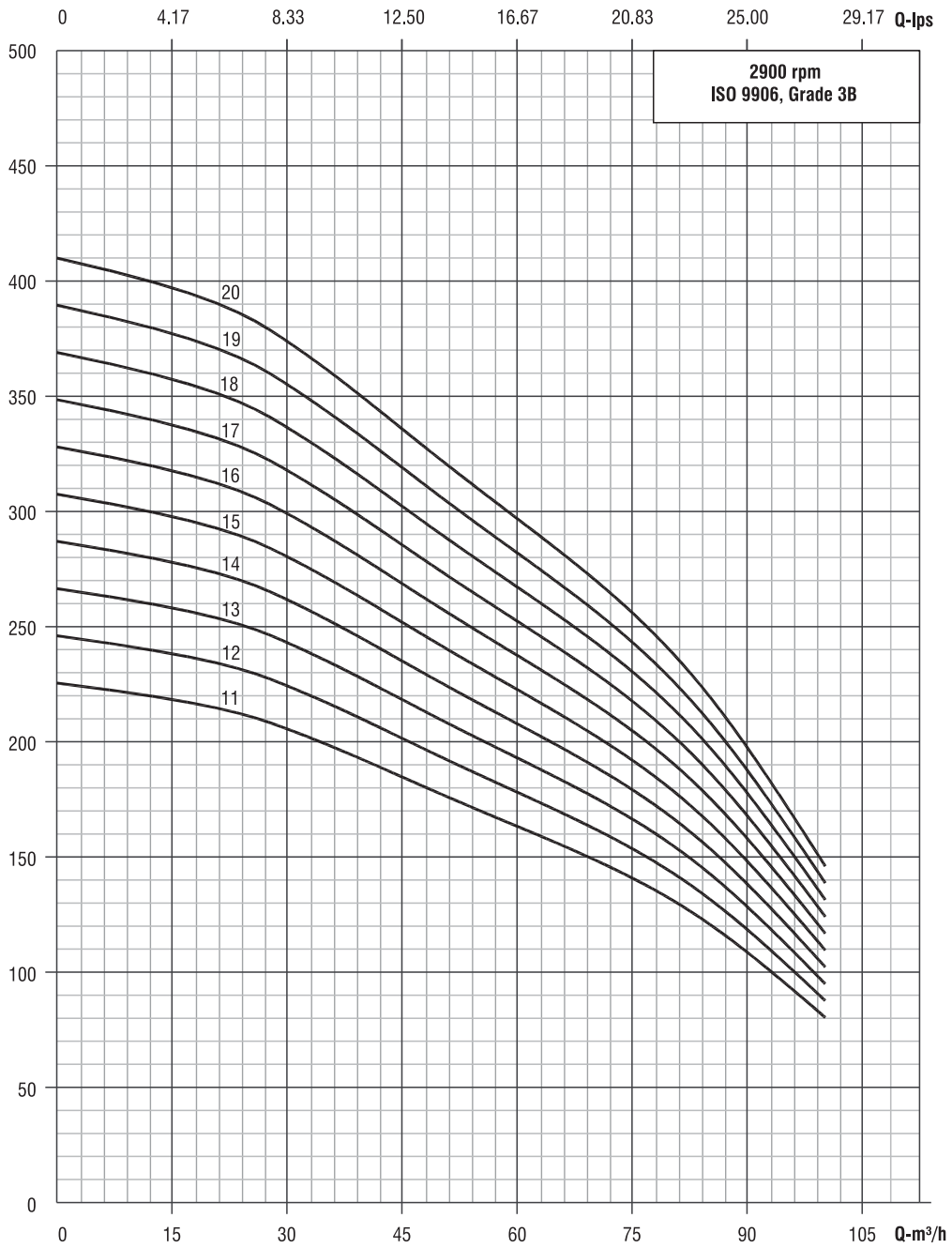
Power, Efficiency & NPSH Curves



Nominal Diameter : 8"

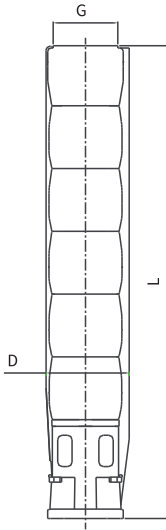
Nominal Flow : 77m³/h

Performance Curves



8S-95

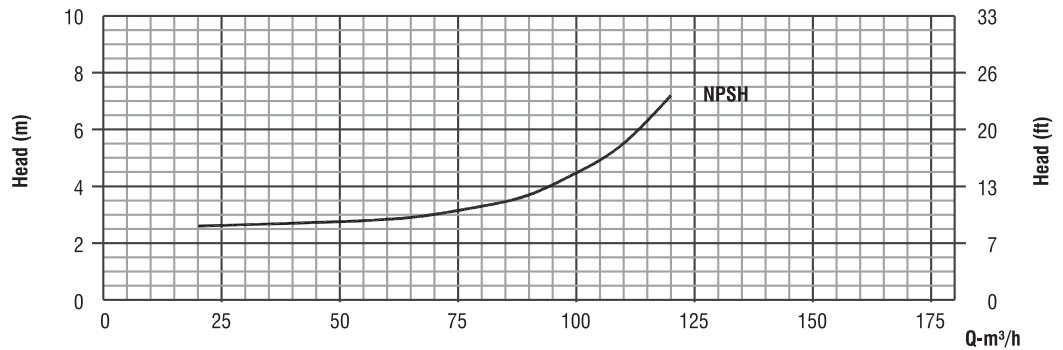
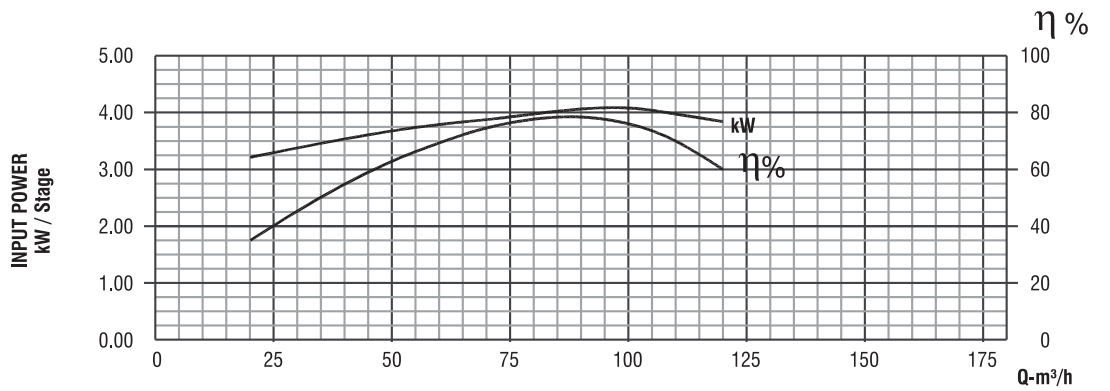
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
8S-95/01	5.5	7.5	188	620	21	24
8S-95/02	9.3	12.5	188	748	25	28
8S-95/03	13	17.5	188	876	29	32
8S-95/04	18.5	25	188	1004	33	36
8S-95/05	22	30	188	1132	37	40
8S-95/06	26	35	188	1260	41	44
8S-95/07	30	40	188	1388	45	48
8S-95/08	37	50	188	1516	49	52

G - Outlet Size : 5" BSP

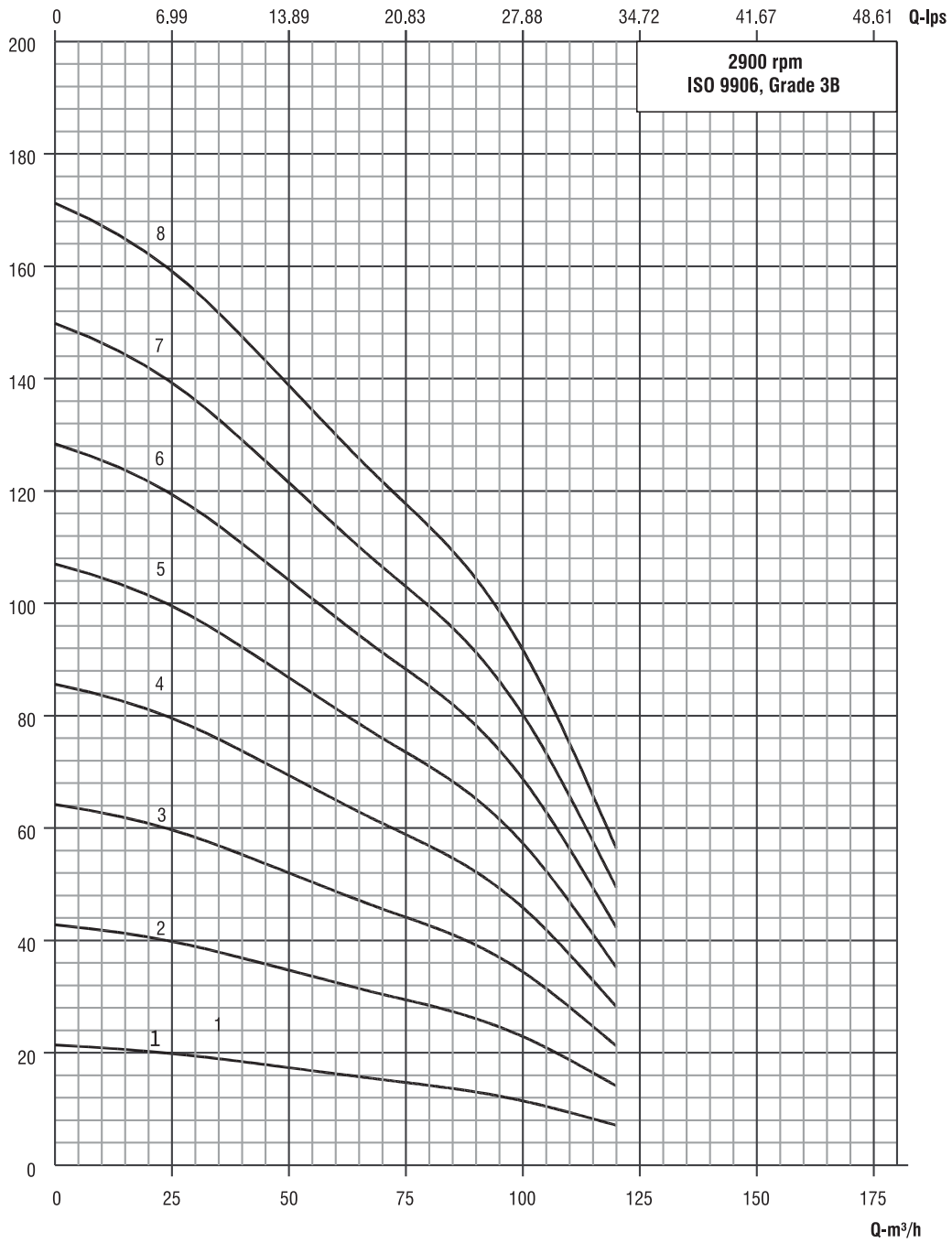
Power, Efficiency & NPSH Curves



Nominal Diameter : 8"

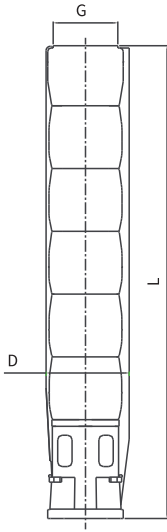
Nominal Flow : 95m³/h

Performance Curves



8S-95

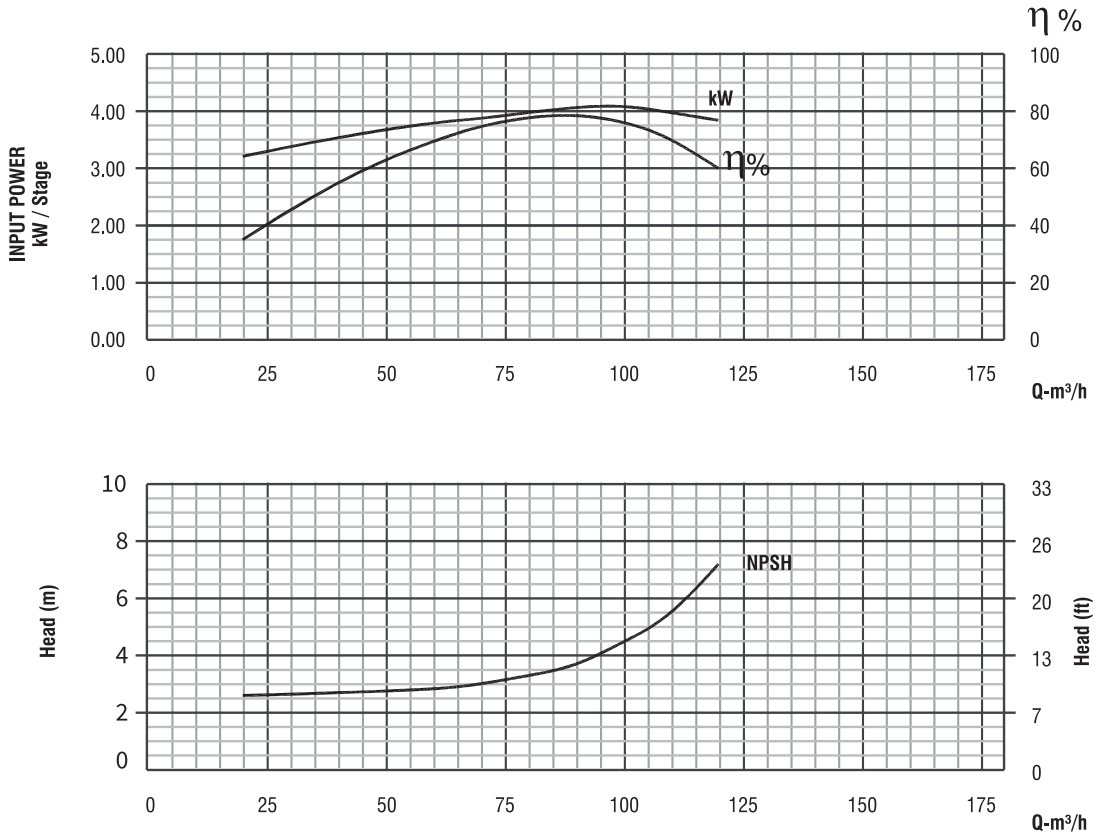
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
8S-95/09	37	50	188	1644	53	56
8S-95/10	45	60	196	1772	55	58
8S-95/11	55	75	196	1900	59	62
8S-95/12	55	75	196	2028	63	66
8S-95/13	55	75	196	2156	67	70
8S-95/14	67	90	196	2284	71	74
8S-95/15	75	100	196	2412	75	78
8S-95/16	75	100	196	2540	79	82
8S-95/17	75	100	196	2668	83	86

G - Outlet Size : 5" BSP

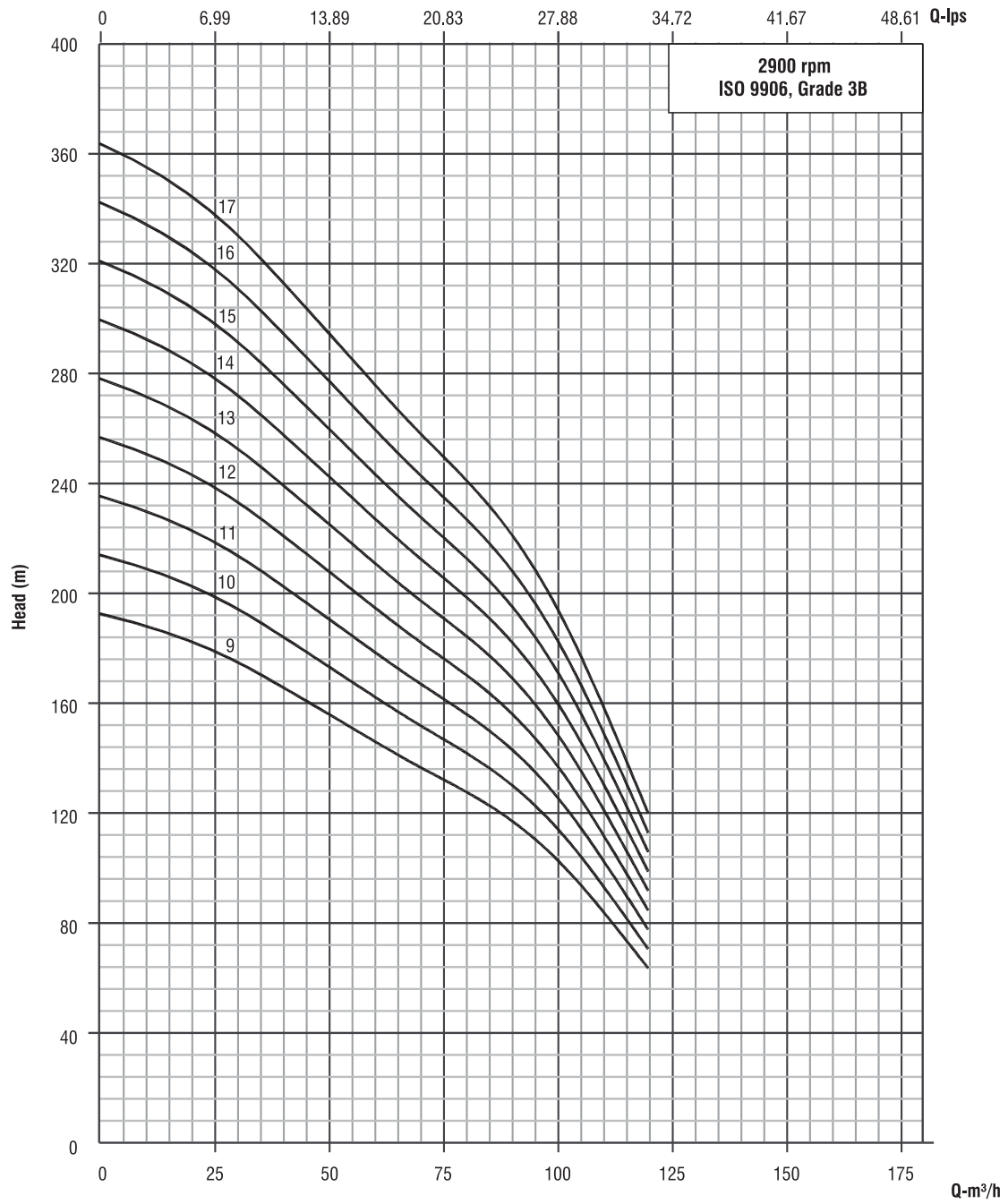
Power, Efficiency & NPSH Curves



Nominal Diameter : 8"

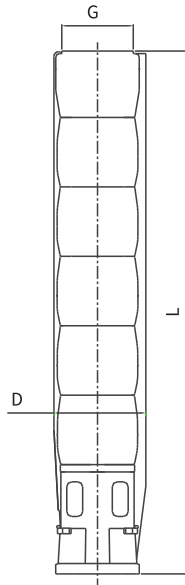
Nominal Flow : 95m³/h

Performance Curves



10S-125

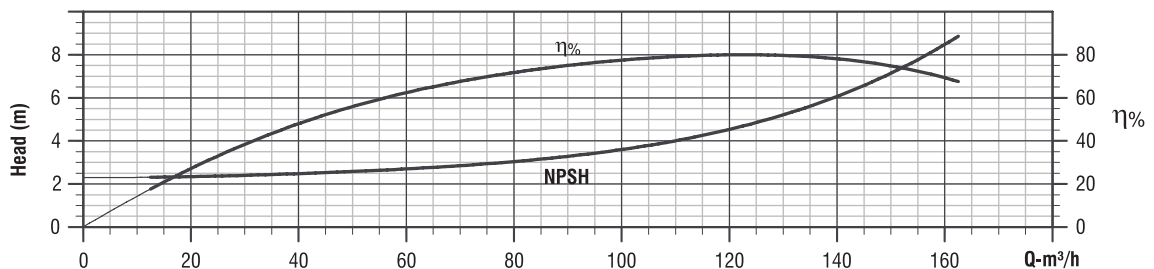
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
10S-125/1-A	7.5	10	211	651	70	74
10S-125/1	11	15	211	651	79	83
10S-125/2-AA	13	17.5	211	807	88	92
10S-125/2-A	18.5	25	211	807	97	101
10S-125/2	22	30	211	807	103	107
10S-125/3-AA	22	30	211	963	109	113
10S-125/3-A	26	35	211	963	115	119
10S-125/3	30	40	211	963	123	127
10S-125/4-AA	37	50	211	1119	176	180
10S-125/4-A	37	50	211	1119	176	180
10S-125/4	37	50	213	1119	176	180
10S-125/5-AA	45	60	213	1275	236	240
10S-125/5-A	45	60	213	1275	236	240
10S-125/5	55	75	213	1275	251	255
10S-125/6-AA	55	75	213	1431	257	261
10S-125/6-A	55	75	213	1431	257	261

G - Outlet Size : 6" BSP

Efficiency & NPSH Curves

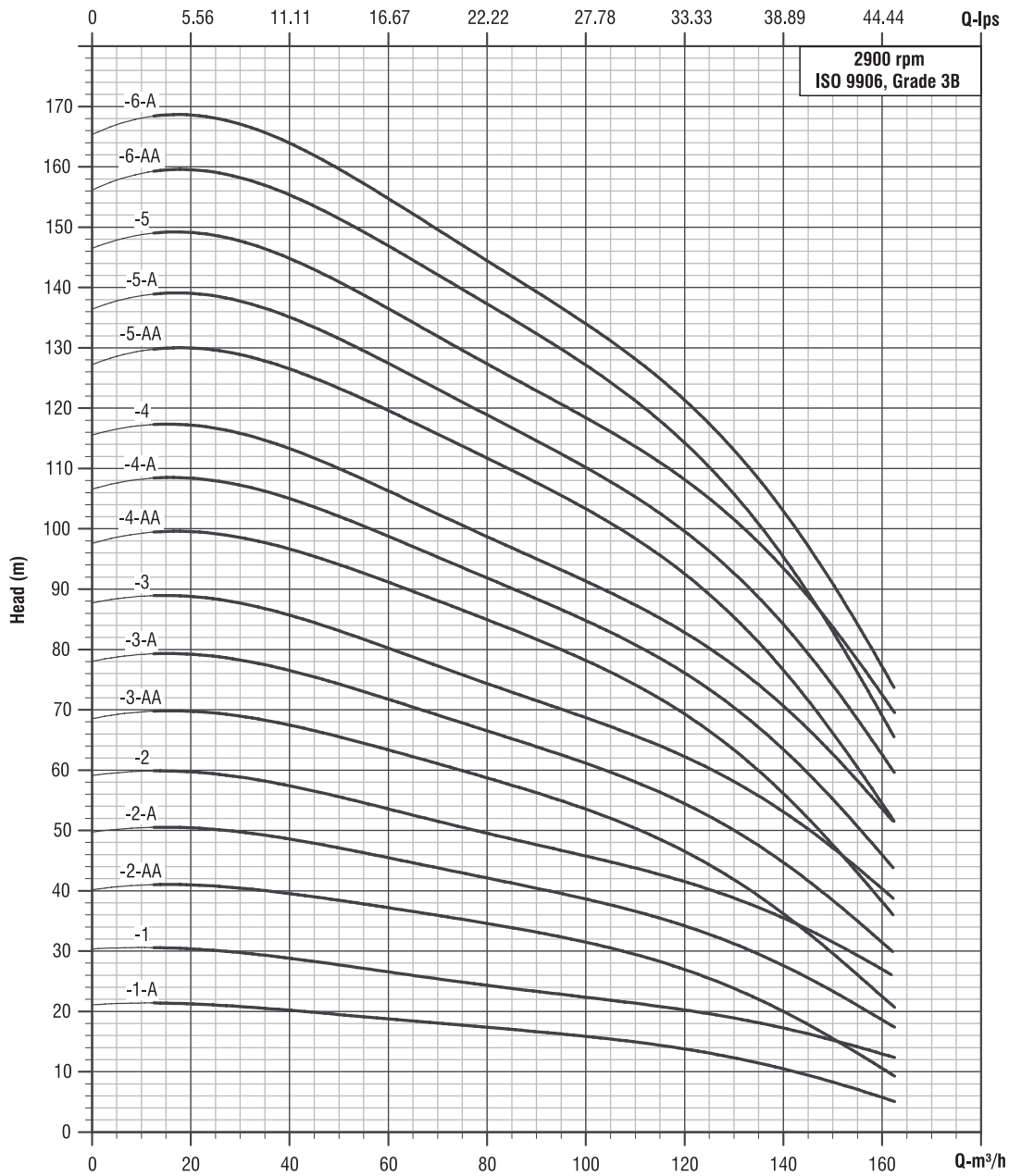


In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

Nominal Diameter : 10"

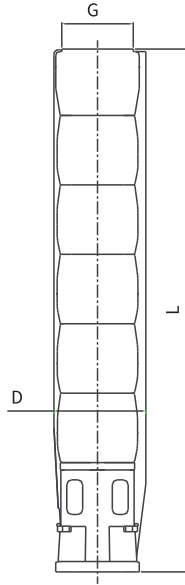
Nominal Flow : 125m³/h

Performance Curves



10S-125

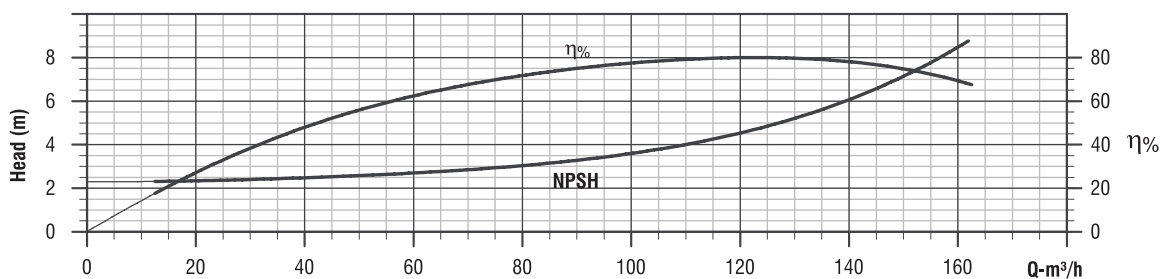
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
10S-125/6	63	90	218	1431	283	287
10S-125/7-A	63	90	218	1587	289	293
10S-125/7-AA	63	90	218	1587	289	293
10S-125/7	75	100	218	1587	308	312
10S-125/8-AA	75	100	218	1743	314	318
10S-125/8-A	75	100	218	1743	314	318
10S-125/8	75	100	218	1743	314	318
10S-125/9-AA	93	125	218	1899	366	370
10S-125/9-A	93	125	218	1899	366	370
10S-125/9	93	125	218	1899	366	370
10S-125/10-AA	93	125	218	2055	372	376
10S-125/10-A	93	125	218	2055	372	376
10S-125/10	93	125	218	2055	372	376
10S-125/11	110	150	218	2507	438	442
10S-125/12	130	175	237	2714	556	560
10S-125/13	130	175	237	2870	562	566
10S-125/14	150	200	237	3025	633	637
10S-125/15	150	200	237	3181	639	643
10S-125/16	185	250	237	3336	685	689
10S-125/17	185	250	237	3492	691	695

G - Outlet Size : 6" BSP

Efficiency & NPSH Curves

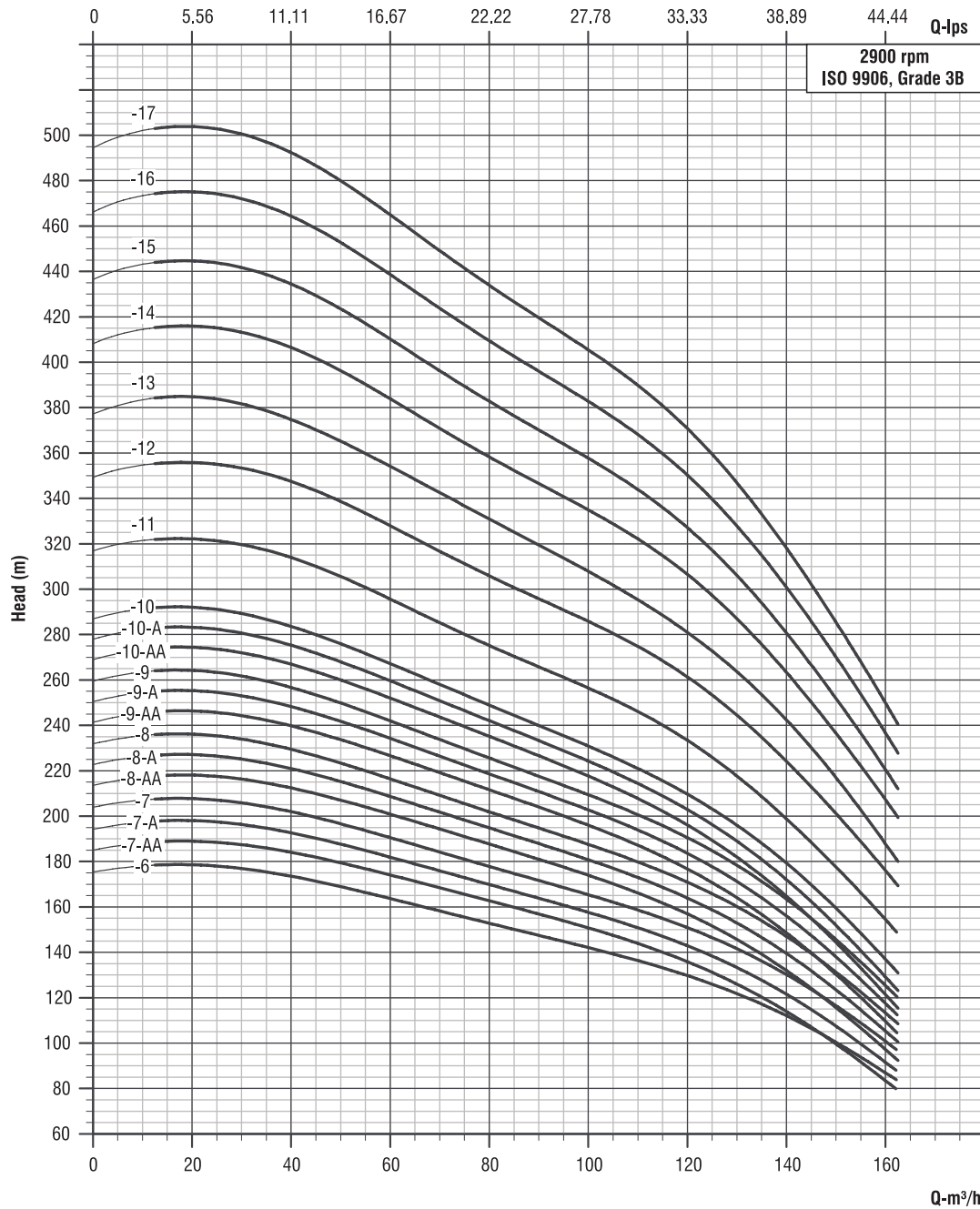


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Nominal Diameter : 10"

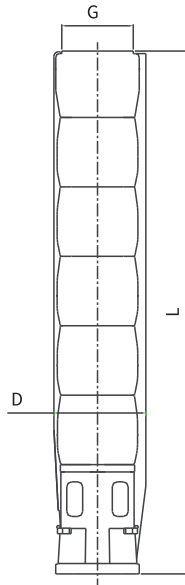
Nominal Flow : 125m³/h

Performance Curves



10S-160

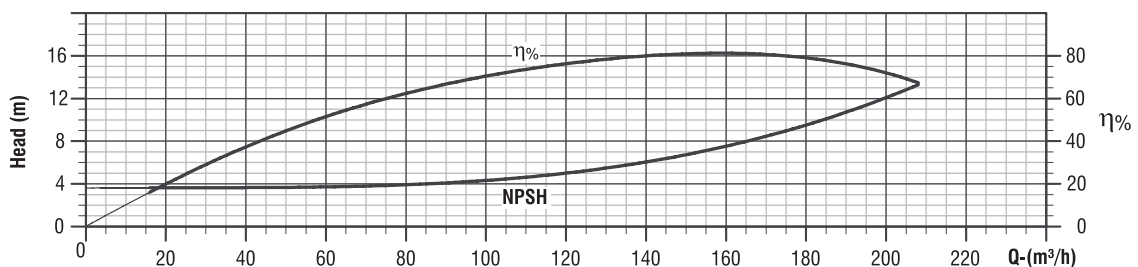
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
10S-160/1-A	9.3	12.5	211	651	76	80
10S-160/1	13	17.5	211	651	82	86
10S-160/2-AA	18.5	25	211	807	97	101
10S-160/2-A	22	30	211	807	103	107
10S-160/2	26	35	211	807	109	113
10S-160/3-AA	30	40	211	963	123	127
10S-160/3-A	37	50	211	963	170	174
10S-160/3	37	50	211	963	170	174
10S-160/4-AA	45	60	218	1119	230	234
10S-160/4-A	45	60	218	1119	230	234
10S-160/4	55	75	218	1119	245	249
10S-160/5-AA	55	75	218	1275	251	255
10S-160/5-A	55	75	218	1275	251	255

G - Outlet Size : 6" BSP

Efficiency & NPSH Curves

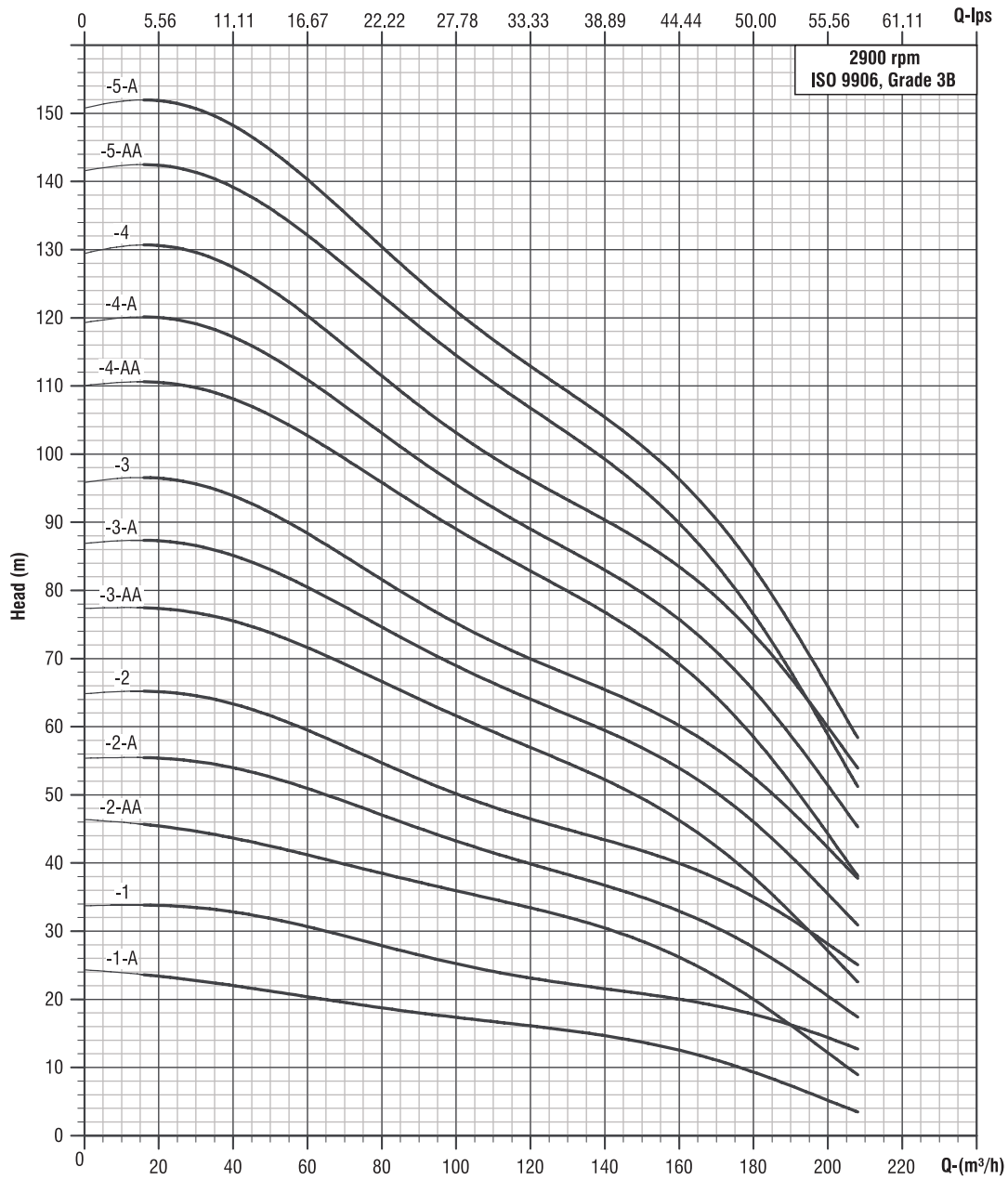


In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

Nominal Diameter : 10"

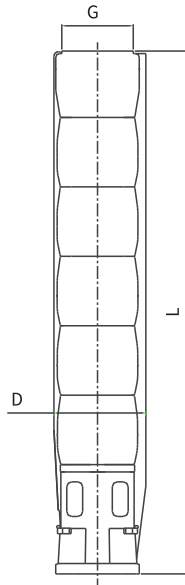
Nominal Flow : 160m³/h

Performance Curves



10S-160

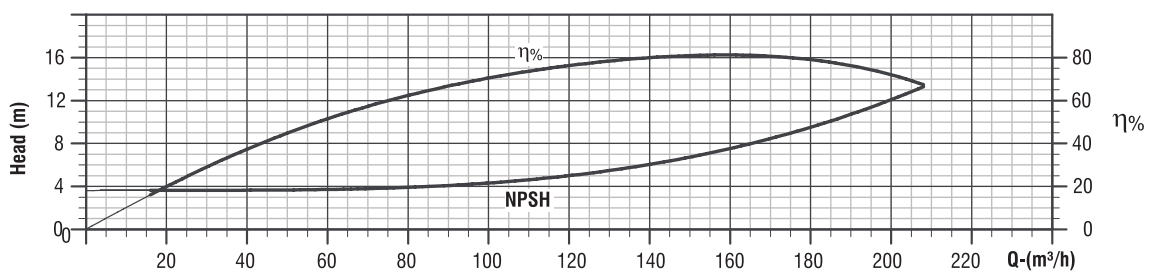
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
10S-160/5	63	90	218	1275	277	281
10S-160/6-AA	63	90	218	1431	283	287
10S-160/6-A	75	100	218	1431	302	306
10S-160/6	75	100	218	1431	302	306
10S-160/7-AA	75	100	218	1587	302	306
10S-160/7-A	93	125	218	1587	354	358
10S-160/7	93	125	218	1587	354	358
10S-160/8-AA	93	125	218	1743	360	364
10S-160/8-A	93	125	218	1743	360	364
10S-160/8	93	125	218	1743	360	364
10S-160/9-AA	110	150	218	1899	416	420
10S-160/9-A	110	150	218	1899	416	420
10S-160/9	110	150	218	1899	416	420
10S-160/10-AA	110	150	218	2351	432	436
10S-160/10-A	130	175	237	2403	544	548
10S-160/10	130	175	237	2403	544	548
10S-160/11	130	175	237	2559	550	554
10S-160/12	150	200	237	2714	621	625
10S-160/13	185	250	237	2870	667	671
10S-160/14	185	250	237	3025	673	677
10S-160/15	185	250	237	3259	803	807

G - Outlet Size : 6" BSP

Efficiency & NPSH Curves

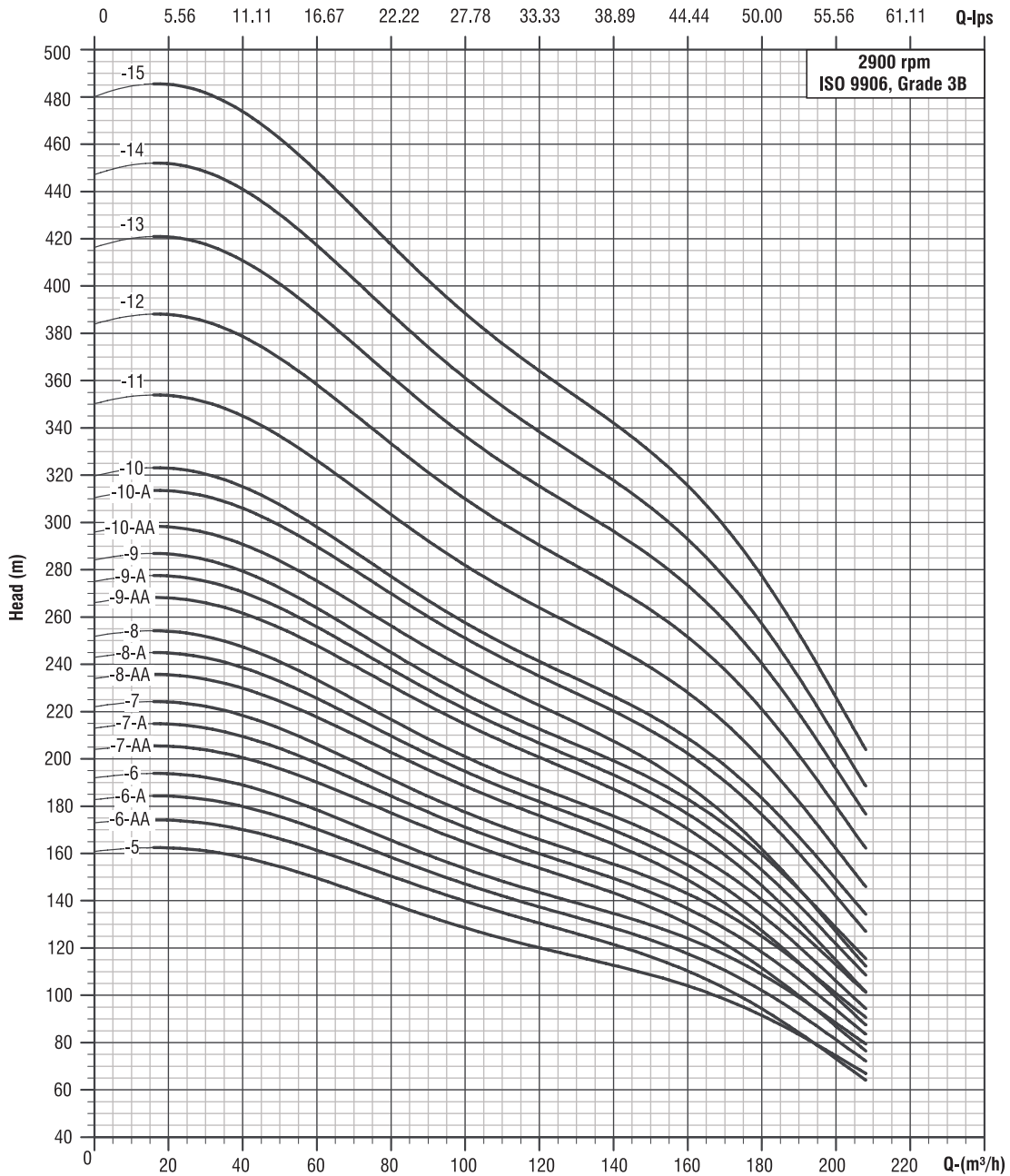


In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

Nominal Diameter : 10"

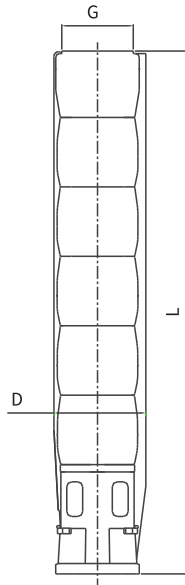
Nominal Flow : 160m³/h

Performance Curves



10S-215

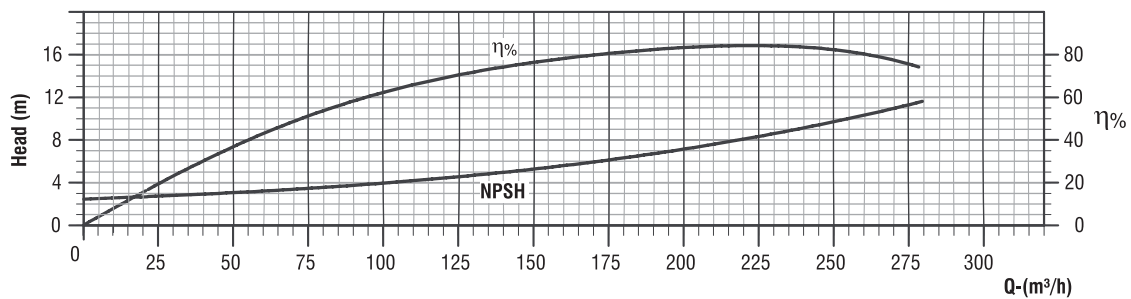
Dimensions & Weights



Model Name	kW	HP	Specification			
			D (mm)	L (mm)	Pump Weight Kg.	Weight (incl. pkg.) Kg.
10S-215/1-A	15	20	241	790	92	96
10S-215/1	18.5	25	241	790	97	101
10S-215/2-AA	26	35	241	966	127	131
10S-215/2-A	30	40	241	966	174	178
10S-215/2	45	60	241	966	228	232
10S-215/3-AA	55	75	241	1142	253	257
10S-215/3-A	55	75	241	1142	253	257
10S-215/3	63	85	241	1142	279	283
10S-215/4-AA	75	100	241	1318	308	312
10S-215/4-A	75	100	241	1318	308	312
10S-215/4	75	100	241	1318	308	312

G - Outlet Size : 6" BSP

Efficiency & NPSH Curves

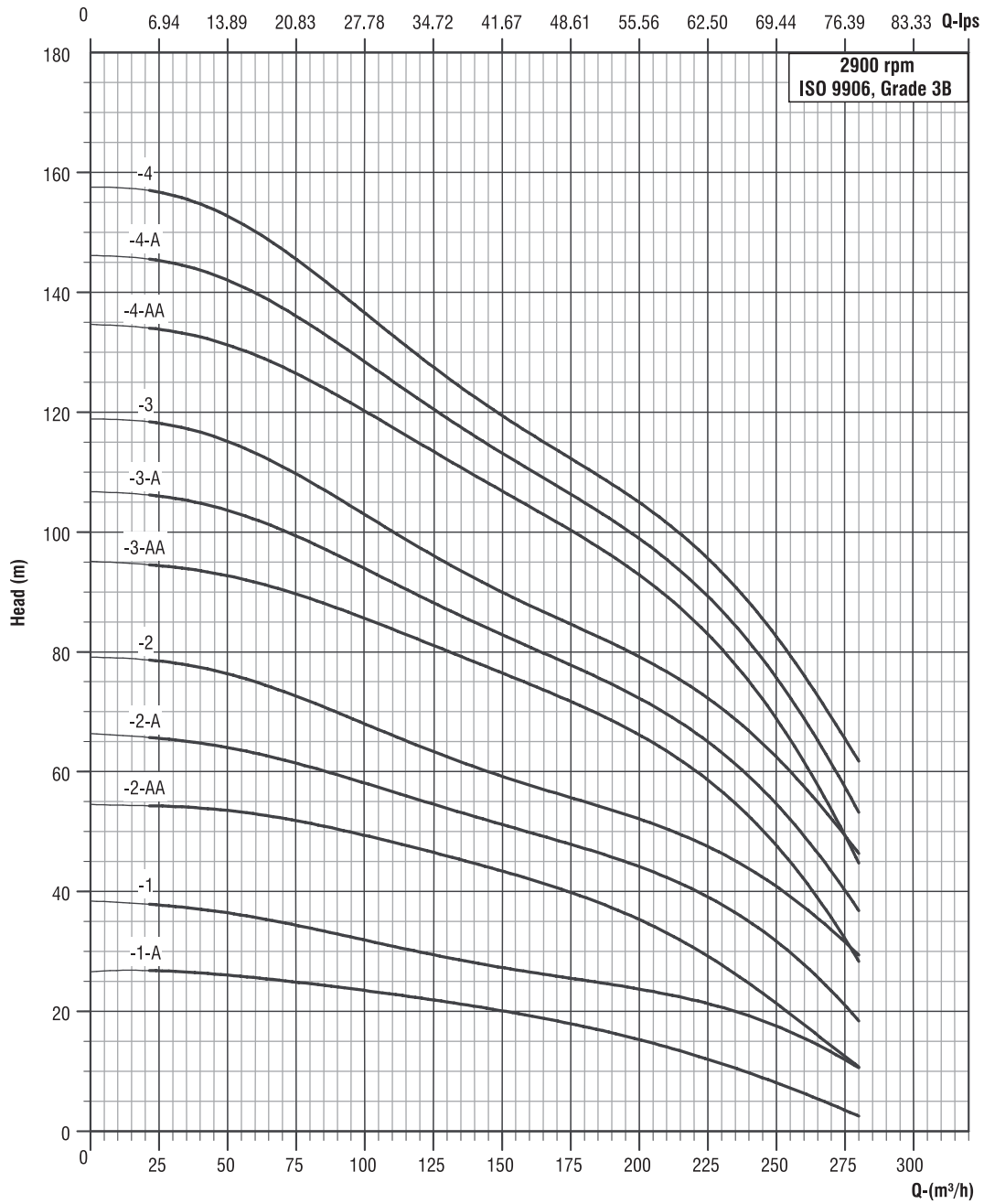


In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

Nominal Diameter : 10"

Nominal Flow : 215m³/h

Performance Curves



CABLE SELECTION CHART

Submersible Pumpset Cable Selection Chart for 220 Voltage - Single Phase - 50 Hz

HP	INSTALLATION DEPTH IN MTR																					
	10	20	30	40	50	60	70	80	90	100	110	128	140	180	200	220	270	320	370	420	470	500
0.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	4	4	4	6	6	6	6
0.75	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	2.5	4	4	4	6	6	10	10	10	10
1	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	6	6	6	10	10	10	16
1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	4	4	4	4	6	6	6	10	10	10	16	16	16	16	25
2	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	6	6	6	10	10	10	16	16	16	25	25	25
3	2.5	2.5	2.5	2.5	4	4	6	6	6	6	10	10	10	16	16	16	25	25	25	35	35	35
4	4	4	4	4	4	6	6	6	10	10	10	16	16	16	16	25	25	25	35	35	35	35
5	4	4	4	4	6	6	10	10	10	10	10	16	16	25	25	25	35	35	35	50	50	50
6	6	6	6	6	10	10	10	10	10	16	16	16	25	25	25	35	35	35	50	50	50	50
7.5	6	6	6	6	10	10	10	10	10	16	16	25	25	25	35	35	35	50	50	50	50	50
10	10	10	10	10	10	10	10	10	16	25	25	25	25	35	35	35	50	50	50	50	50	50

Submersible Motor Three Phase, 380 - 415V, 50Hz, Direct on Line (D.O.L) / Impedance (Single Cable)

kW	HP	Cable Size sq.mm, copper wire - 70°C rated insulation															
		2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	300	400
4	5.5	180	290	430	710												
5.5	7.5	130	210	320	530	830											
7.5	10	80	150	230	390	610	940										
9.3	12.5	80	130	190	320	510	770										
11	15	60	100	160	270	430	650	890									
13	17.5	90	140	230	370	560	770										
15	20	80	120	200	320	490	880	920									
18.5	25	100	160	260	400	540	740	980									
22	30	140	220	340	470	630	840										
26	35	120	190	290	380	540	720	920									
30	40	150	250	340	470	520	790	940									
37	50	130	200	280	380	600	640	760	890	1020							
45	60			170	240	330	440	570	890	810	940						
52	70			150*	210	290	390	500	800	710	820	980					
55	75	140*	190	270	360	470	5600	660	770	910							
60	80			180	250	340	440	530	630	730	870	1010					
67	90	160*	220	300	390	460	550	630	750	860	1000						
75	100	200*	270	350	420	490	570	680	780	910							
83	111	180*	250	320	390	450	530	630	730	850							
85	114	230	290	350	410	480	570	650	750								
93	125	220*	280	340	390	460	550	620	720								
110	150	220	270	310	360	420	480	550									
130	175	200*	240	280	330	390	440	520									
150	200	200*	240	280	330	380	440										
185	250	210*	250	280	330												

Submersible Motor Three Phase, 380 - 415V, 50Hz, Star Delta (S.D.) Double Cable

kW	HP	Cable Size sq.mm, copper wire - 70°C rated insulation															
		2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	300	400
4	5.5	270	430	640													
5.5	7.5	190	310	480	790												
7.5	10	130	220	340	580	910											
9.3	12.5	120	180	280	480	760											
11	15	80	150	240	400	640	970										
13	17.5	70	130	210	340	550	840										
15	20	70	120	180	300	480	730	1020									
18.5	25	60	90	150	240	390	600	810									
22	30	70	120	210	330	510	700	940									
26	35	60*	100	180	280	430	580	810									
30	40	90	150	240	370	610	700	930									
37	50	120	190	300	420	570	750	950									
45	60	100	160	250	360	490	550	850									
52	70	90*	150	220	310	430	580	750	800								
55	75	130	210	280	400	540	700	840	890								
60	80	120	190	270	370	510	660	790	940								
67	90		100	180	240	330	450	580	690	820	940						
75	100			90*	150	210	300	400	520	630	730	850	1020				
83	111			130	190	270	370	480	580	670	790	940					
85	114			180*	180	250	340	430	520	610	720	850	870				
93	125			120*	160	240	330	420	510	580	690	820	830				
110	150	130*	190	250	330	400	460	540	630	720	820						
130	175	160*	220	300	360	420	490	580	660	780							
150	200	150*	190	250	300	360	420	490	570	660							
185	250	180*	240	270	310	370	420	490									

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CONVERSION TABLE

FLOW RATE

litre per second l/s	litre per minute l/min	cubic meter per hour m ³ /h	cubic meter per hour ft ³ /h	cubic foot per minute ft ³ /min	imp.gallon per minute imp.gal./min	US gallon per minute US gal./min	US barrel per day is barrel/d (petroleum)
1	60	3.6	127.133	2.1189	13.2	15.85	543.439
0.017	1	0.06	2.1189	0.0353	0.22	0.264	9.057
0.278	16.667	1	35.3147	0.5886	3.666	4.403	150.955
0.008	0.472	0.0283	1	0.0167	0.104	0.125	4.275
0.472	28.317	1.6990	60	1	6.229	7.480	256.475
0.076	4.546	0.2728	9.6326	0.1605	1	1.201	41.175
0.063	3.785	0.2271	8.0209	0.1337	0.833	1	34.286
0.002	0.110	0.0066	0.2339	0.0039	0.024	0.029	1

LIQUID

Cubic meter m ³	litre l	milli litre ml	imp. gallon imp. gal	US gallon US gal	cubic foot ft ³
1	1000	1 x 10 ⁶	220	264.2	35.3147
0.001	1	1000	0.22	0.2642	0.0353
1 x 10 ⁻⁶	0.001	1	22 x 10 ⁻⁴	2.642 x 10 ⁻⁴	3.53 x 10 ⁻⁵
0.00455	4.546	4546	1	1.201	0.1605
0.00378	3.785	3785	0.8327	1	0.1337
0.0283	28.317	28317	6.2288	7.4805	1

LIQUID HEAD AND PRESSURE

newton per square meter N/m ² (Pa)	kilo pascal kPa	bar	kilogram force per square centimeter Kgf/cm ²	pound force per square inch psi	foot for water ft H ₂ O	meter for water ft H ₂ O	millimeter of mercury mm Hg	inch of mercury in Hg
1	0.001	1 x 10 ⁻⁵	1.02 x 10 ⁻⁵	1.45 x 10 ⁻⁴	3.35 x 10 ⁻⁴	1.02 x 10 ⁻⁴	0.0075	2.95 x 10 ⁻⁴
1000	1	0.01	0.0102	0.145	0.335	0.102	7.5	0.295
1 x 10 ⁻⁵	100	1	1.02	14.5	33.52	10.2	750.1	29.53
98,067	98.07	0.981	1	14.22	32.81	10	735.6	28.96
6895	6.895	0.069	0.0703	1	2.31	0.703	51.72	2.036
2984	2.984	0.03	0.0305	0.433	1	0.305	22.42	0.882
9789	9.789	0.098	0.1	1.42	3.28	1	73.42	2.891
133.3	0.133	0.0013	0.0014	0.019	0.045	0.014	1	0.039
3386	3.386	0.0338	0.0345	0.491	1.133	0.0345	25.4	1

LENGTH

1609.37 metres = - 1.60934 kilometers

millimeter mm	centimeter cm	meter m	inch in	foot ft	yard yd
1	0.1	0.001	0.0394	0.0033	0.0011
10	1	0.01	0.3937	0.0328	0.0109
1000	100	1	39.3701	3.2808	1.0936
25.4	2.54	0.0254	1	0.0833	0.0278
304.8	30.48	0.3048	12	1	0.3333
914.4	91.44	0.9144	36	3	1

1 Kilometer = 1000 metres = 0.62137 miles 1 mile =

MASS

kilogram kg	pound lb	hundred weight (cwt)	tonne t	ton long tn	short ton sh tn
1	2.205	0.0197	0.001	9.84 x 10 ⁻⁴	0.0011
0.454	1	0.0089	4.54 x 10 ⁻⁴	4.46 x 10 ⁻⁴	5.0 x 10 ⁻⁴
50.802	112	1	0.0508	0.05	0.056
1000	2204.6	19.684	1	0.9842	1.1023
1016	2240	20	1.0161	1	1.102
907.2	2000	17.857	0.9072	0.8929	1

TEMPERATURE

To Convert From	To	Use Formula
Temperature Celsius, tc	Temperature Kelvin, tk	K = tc + 273.15
Temperature Fahrenheit, tf	Temperature Kelvin, tk	K = (tf + 459.67 / 1.8)
Temperature Celsius, tc	Temperature Fahrenheit, tf	F = 1.8 tc + 32
Temperature Fahrenheit, tf	Temperature Celsius, tc	C = (tf - 32) / 1.8
Temperature Kelvin, tk	Temperature Celsius, tc	C = tk - 273.15
Temperature Kelvin, tk	Temperature Fahrenheit, tf	F = 1.8tk - 459.67



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