

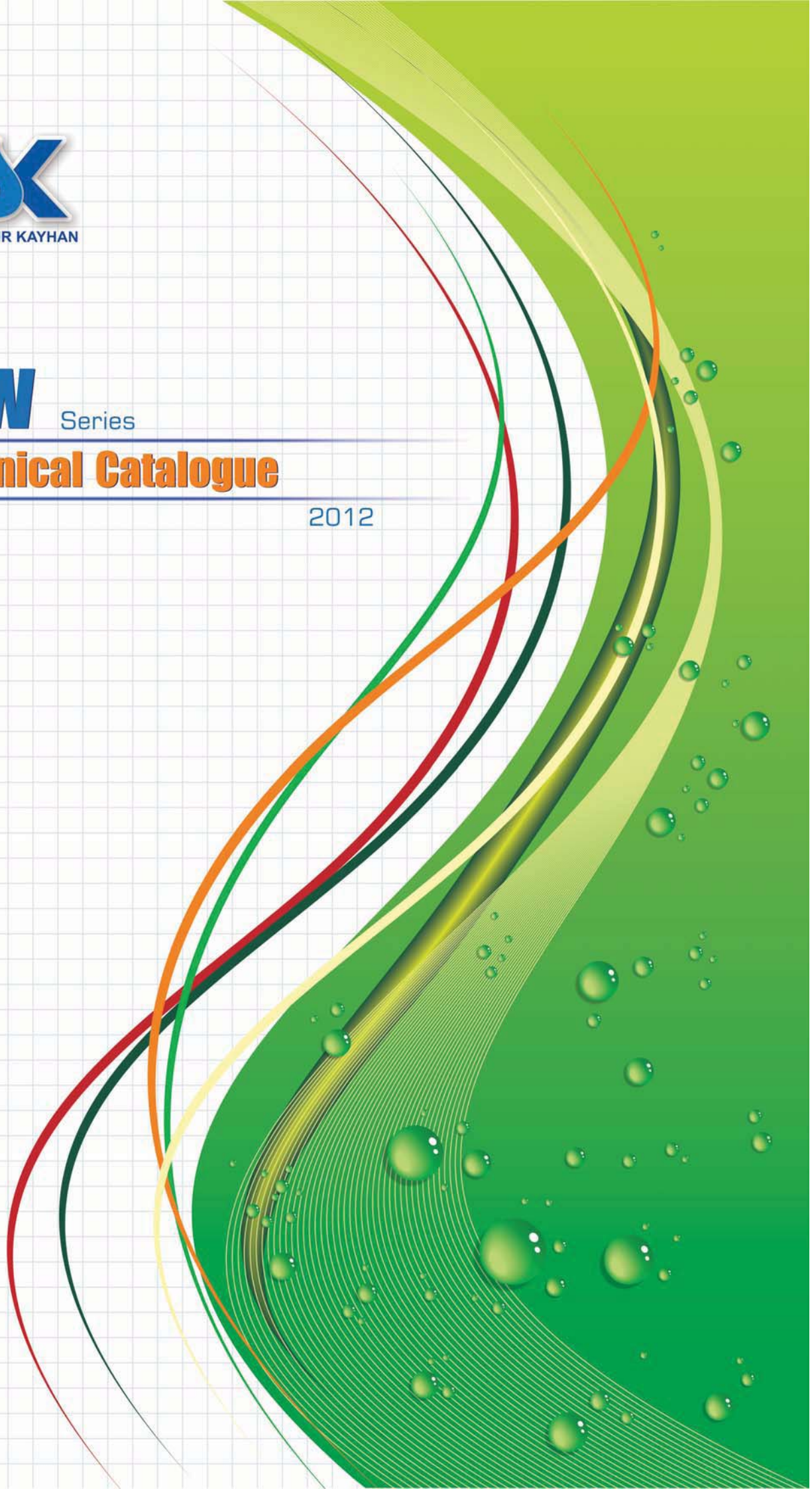


SEW

Series

Technical Catalogue

2012



Our Vision

ASK's vision is to be a recognized leader in innovative, sustainable, engineered, and customer-focused solutions for performance-critical applications in the oil and gas, hydrocarbon processing, power generation, pulp and paper, water and waste water and other selected industries.

Our Mission

ASK aims to be a multi-industry company with a strong brand, which provides solutions that combine products, services, engineering, and customer-application expertise. The corporation is close to the customer by being primarily direct-sales driven. Engineering, innovation, and technology are cornerstones. ASK strives to be an attractive employer and to create an environment where employees can excel. The company focuses on creating value for its customers.

ASK at a Glance

The divisions are global leaders in selected industrial markets. Their solutions, products, and services aim to strengthen the competitive positions of ASK's customers.

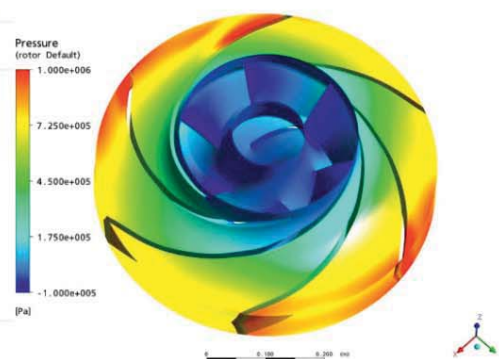
ASK Pumps	Pumping solutions and services
ASK Electro-power	Components and services for electro-power systems
ASK Innotec	Research and other services for other divisions and external customers

ASK Pumps

ASK Pumps develops and supplies centrifugal pumps. Intensive research and development in fluid dynamics, process-oriented products, and special materials as well as reliable service help the division maintain its leading position in its focus market segments. Its customers come from the oil and gas, hydrocarbon processing, power generation, pulp and paper, water distribution and treatment sectors, as well as from specialized areas in the food and metals businesses.

ASK Electro-power

ASK Electro-power develops and supplies electronic boards, main control panels and protective relays for safety action of power devices such as electric motors, power generators, diesel engines and etc. Intensive research and development in electronics, power transmission and artificial Intelligence as well as reliable service help the division maintain its leading position in its focus market segments. Its customers come from the pump stations, power plants, water distribution and treatment sectors, as well as from any industrial factories.



ASK Innotec

The research and development unit of ASK supports the divisions of the company and industrial companies in their development projects by providing contract research and special technical services like diagnostics and certified testing as well as one-off production and engineering. ASK Innotec has expertise in materials and surface engineering, fluid technology, as well as in mechanics. Its core competencies in contract research also lie in these classical disciplines.

ASK Pumps – Customer Support Service

The continuous availability and high operating performance of pumps is the key target for our customer support service organization. Through our highly experienced personnel and application knowledge, we provide a full range of innovative service solutions to our customers to keep their pumps running including:

- Spare Parts
- Field Service
- Repair Services
- Retrofits
- Maintenance Agreements
- Operation Agreements

Fields of Application

ASK Submersible Motor Pumps are used for pumping all types of sewage and effluent in water treatment and industry, especially untreated sewage with long fibrous and solid substances, liquids containing air and gas as well as raw, activated and digested sludge.

Design

The Model SEW is a Vertical Submersible sewage pump designed to meet the requirements of the ISO 5199

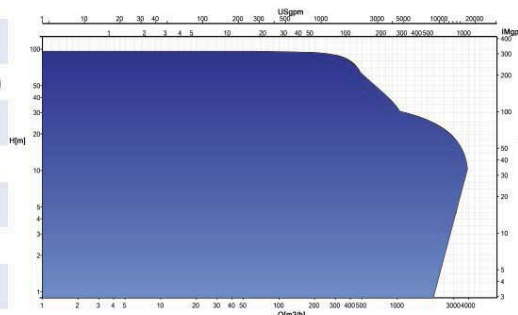


Product description

Using modern computer aided design software the pumps are specifically designed as a heavy duty, minimal wear, long life pump which has been designed in a modular way, with a number of options available, to ensure full compliance to the customer's exact requirements and specifications.

Product overview

General description	Vertical submersible sewage electro-pump manufactured in a variety of alloys.
Construction	Heavy duty modular design maximizing flexibility to suit customer's application.
Design methodology	Advanced computer techniques including 3D modeling, FEA & CFD
Design standards	ISO 5199-2002
Design pressure rating	16 bar g @ 40°C
Operating temperature	-40°C to 70°C (pressure containing parts)
Design temperature	40°C (standard construction)
Performance envelope	
Flow rate	Up to 4000 m³/h
Differential head	Up to 95 m
Speed	Up to 3000 rpm



Installation type

Stationary wet well installation (S)
Transportable wet well installation (P)

Optional Sensors Exclusive relay	Bi – Metal contact PT 100 resistance thermometer PTC Thermistor Leakage sensor Humidity sensor Float switch
Frame sizes	050 X 160 to 400 X 500
Impeller type	F – Impeller , Vortex K – Impeller , Closed non clogging 2 or 3 canal
Remote control	Optional
Design life	10 years (2 years uninterrupted operation)



Designation

Example: SEW K 250 – 290 / 45 4 G / S

SEW	K	250	290	45	4	G	S
Type Series	Impeller type	Discharge Size	Nominal impeller Diameter	Nominal motor power	No. of poles	Material Code	Installation type
		mm.	mm.	kw.			
SEW: Submersible motor pump	K: Non clogging F: Vortex (semi closed)	50: 2" 80: 3" 100: 4" 150: 6" 200: 8" 250: 10" 300: 12" 350: 14" 400: 16"	160 200 210 250 290 315 400 450 500	Up to 180 kW	2: 3000 rpm 4: 1500 rpm 6: 1000 rpm	See individual table	P: Portable S: stationary

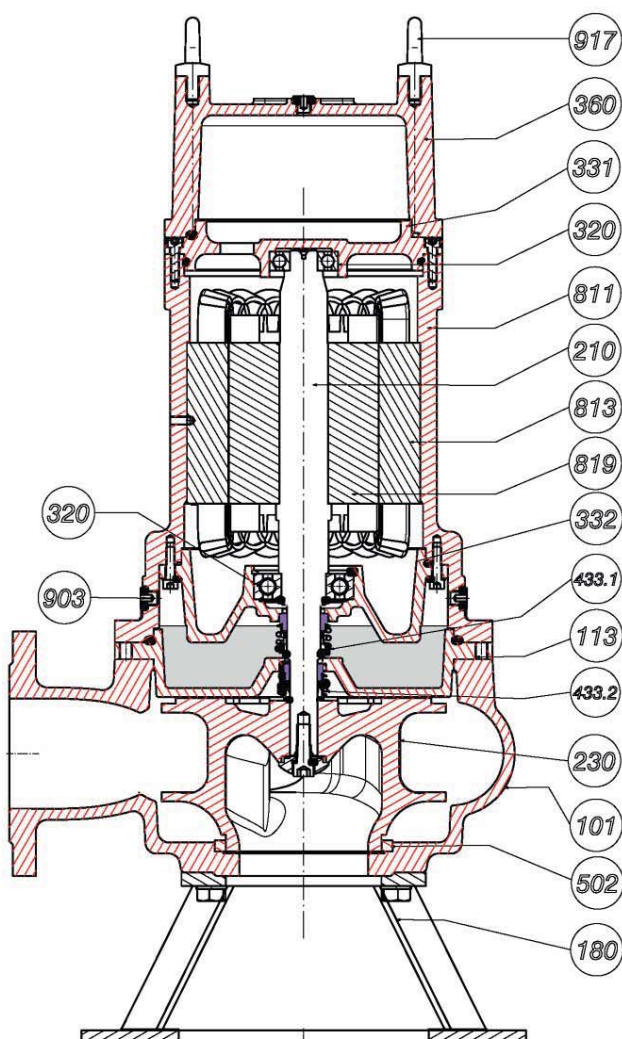
Material table

Part	Code: S Stainless Steel	Code: NAB Ni-Al-Bronze	Code: N Ni-Resist	Code: B Bronze	Code: D Ductile Iron	Code: G Grey Cast Iron
Pump casing	GG 25	Ni – Al – Bronze	GG 25	GG 25	GGG 40	GG 25
Impeller	AISI 316	Ni – Al – Bronze	A 436 Type 1	C92200	GGG 40	GG 25
Suction bush	AISI 316	Ni – Al – Bronze	GG 25	C92200	GGG 40	GG 25
Shaft	AISI 316	AISI 316	1.4021	1.4021	1.4021	1.4021
Motor housing	GG 25 Epoxy coated	GG 25	GG 25	GG 25	GG 25	GG 25
Mechanical seal	Silicon Carbide	Silicon Carbide	Silicon Carbide	Silicon Carbide	Silicon Carbide	Silicon Carbide
Terminal box	GG 25 Epoxy coated	GG 25	GG 25	GG 25	GG 25	GG 25
Cable gland	AISI 316	Bronze	Bronze	Bronze	Bronze	Bronze
Power cable	NBR	NBR	NBR	NBR	NBR	NBR
Duck foot	GG 25 Epoxy coated	GG 25	GG 25	GG 25	GG 25	GG 25
Chain	AISI 316	AISI 304	AISI 304	Steel	Steel	Steel
Guide rail	AISI 316	AISI 304	AISI 304	Steel	Steel	Steel
Wetted fasteners	AISI 316	AISI 304	AISI 304	Steel	Steel	Steel

Protective relay


Model	Quantity of Sensors				General Dimensions (mm)	Mounting Type	Digital Port	Output	Feeding Range	Amb. Temp. Range
	Winding Temp	Bearing Temp	Mech. Seal Leakage	Moisture (Humidity)						
MD: 1594	3	–	1	–	120 X 75 X 45	Rail mount	–	2A	100 ~ 240 VAC	-40 to 60 °C
MD: 9512	3	–	1	1	120 X 75 X 45		–			
TK 355DU	3	2	2	2	145 X 90 X 40		2			
									24 VDC / VAC	-50 to 70 °C

Sectional Drawing



Part Name	Part No.
Pump casing	101
Oil chamber	113
Basin	180
Shaft	210
Impeller	230
Ball bearing	320
Upper bearing housing	331
Lower bearing housing	332
Terminal box	360
Mechanical seal (motor side)	433.1
Mechanical seal (pump side)	433.2
Wear ring (suction bush)	502
Motor housing	811
Stator winding	813
Rotor	819
Oil plug	903
Lifting eyebolt	917

Impeller Types

	Vortex Impeller	Closed non-clogging 2 or 3 canal impeller
	<p>F – Impeller for liquids containing long fibers, solid substances, coarse dirt as well as gas or air.</p> <ul style="list-style-type: none"> ✓ Raw Sewage ✓ Activated sludge ✓ Circulated and heated sludge ✓ Raw and digested sludge ✓ Mixed water 	<p>K – Impeller for contaminated liquids containing sludge and solids which are non-gaseous and not containing fibers liable to twist or bunch.</p> <ul style="list-style-type: none"> ✓ Screened sewage ✓ Mechanically treated sewage ✓ Industrial waste water ✓ Effluent from waste disposal sites ✓ Storm water ✓ Activated sludge ✓ Industrial effluent

Installation Type

S

Stationary wet-well installation
without cooling jacket
With guide wire or guide rails



Installation Accessories:

- Dock foot
- Guide wire (or rail)
- Claw
- Mounting bracket
- Lifting chain
- Set of studs
- Set of gasket
- Protective relay
- Anchor bolt (on request)
- Mating flange to ASME piping (on request)

P

Transportable wet-well installation
without cooling jacket



Installation Accessories:

- Lifting chain
- pump basin
- Elbow (on request)
- Protective relay
- Mating flange to ASME piping (on request)

SEW F 50 – 160/ ... 4 .../...

DN 50

Free Passage : 25 mm

Technical Specifications

Connections

Inlet (inch) 2

Outlet (inch) 2

Motor Specification

Speed (RPM) 1450

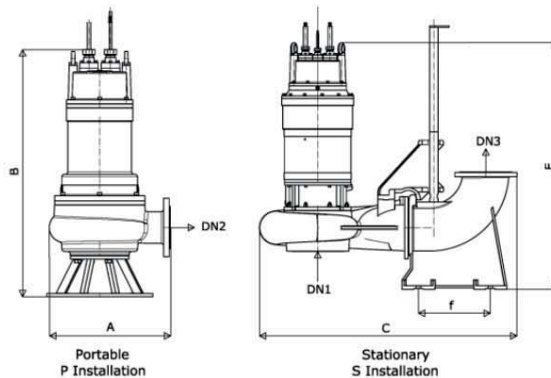
Power (kW) 2.2

Nominal Current (Amp), I_N 5.1

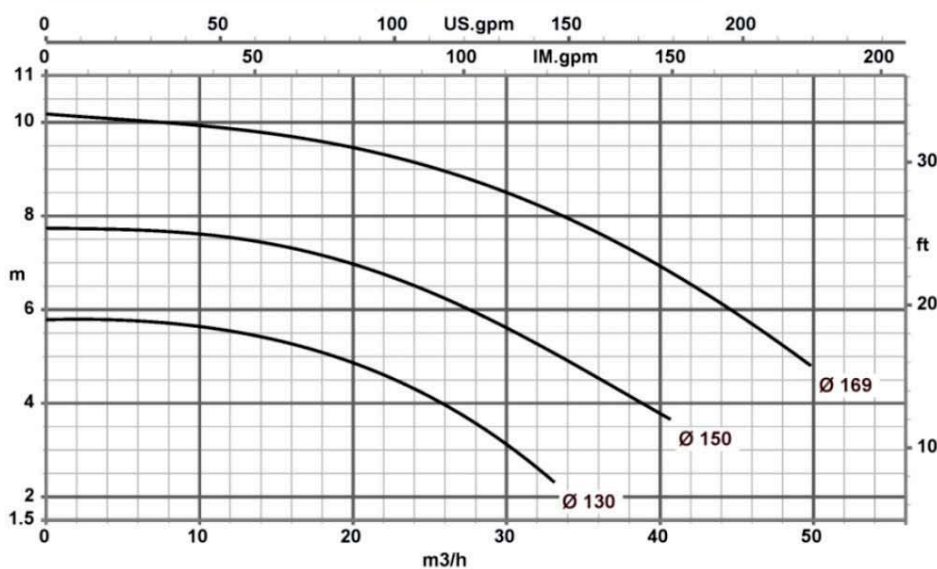
Rated Imp. Dia (mm) 130/ 150 / 169

Pump Weight (P installation) 85

Pump Weight (S installation) 105

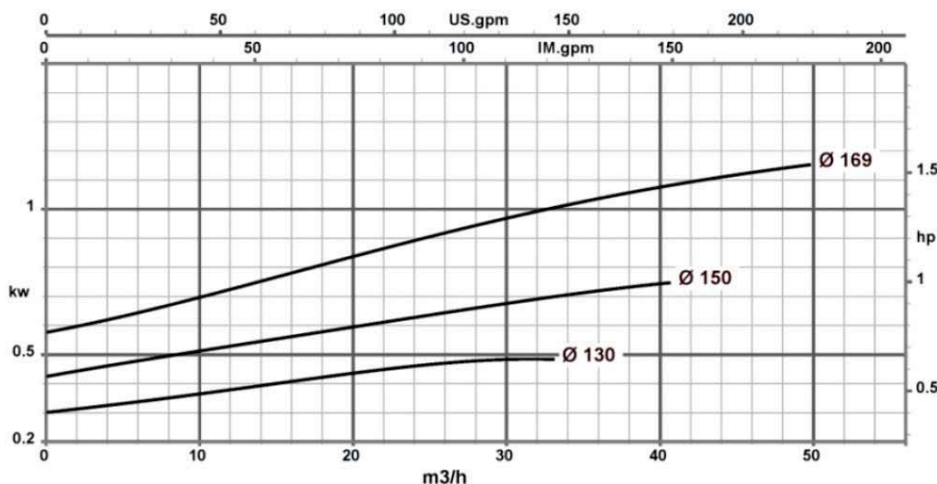


kW	DN ₁	DN ₂	DN ₃	A	B	C	E	F
2.2	50	50	50	370	666	510	820	180



All dimensions in mm

Q (m3/hr)	Head (m)		
	φ Imp (mm)		
	130	150	169
10	5.6	7.6	9.9
20	4.9	7.0	9.5
25	4.3	6.3	9.1
30	3.1	5.6	8.5
40	—	3.8	6.9
50	—	—	4.8



SEW F 50 – 200/ ... 4 .../...

DN 50

Free Passage : 25 mm

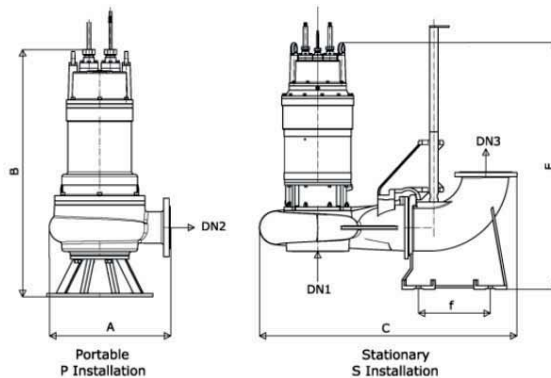
Technical Specifications

Connections

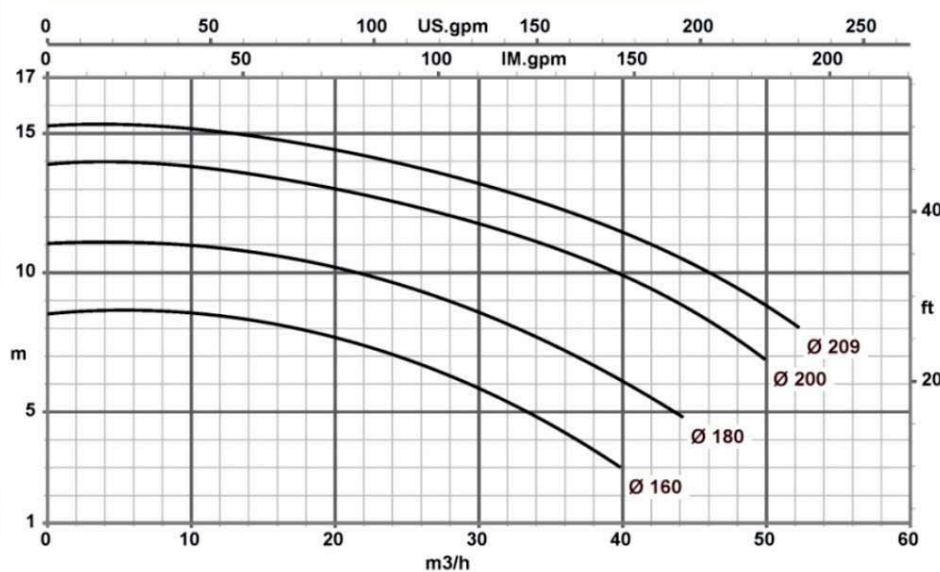
Inlet (inch)	2
Outlet (inch)	2

Motor Specification

Speed (RPM)	1450
Power (kW)	3
Nominal Current (Amp), I _N	6.7
Rated Imp. Dia (mm)	160/ 180 / 200 / 209
Pump Weight (P installation)	90
Pump Weight (S installation)	110

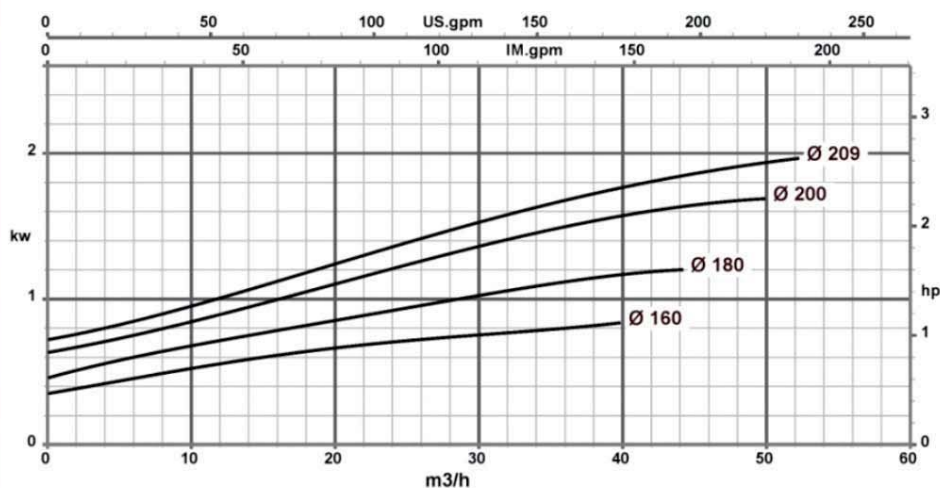


kW	DN ₁	DN ₂	DN ₃	A	B	C	E	F
3	50	50	50	370	666	510	820	180



All dimensions in mm

Q (m ³ /hr)	Head (m)		
	φ Imp (mm)		
	160	180	209
10	8.5	11	15.1
20	7.8	10.2	14.4
25	6.9	9.5	13.9
30	5.9	8.5	13.2
40	3.0	6.1	11.5
50	—	—	8.8



SEW F 50 – 200/ ... 2 .../...

DN 50

Free Passage : 25 mm

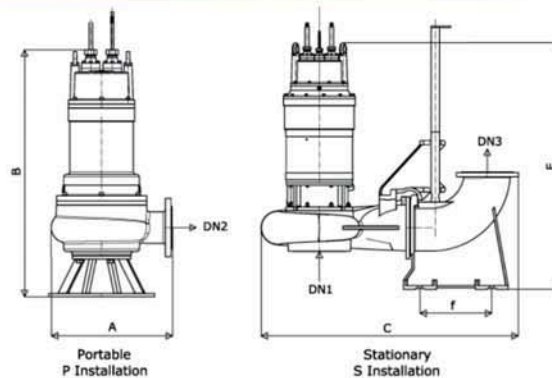
Technical Specifications

Connections

Inlet (inch)	2
Outlet (inch)	2

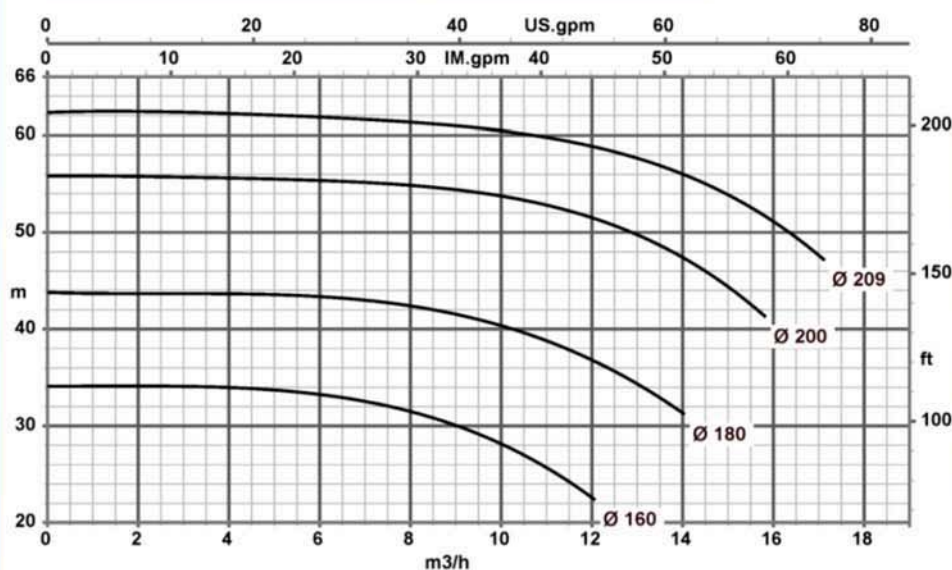
Motor Specification

Speed (RPM)	1450
Power (kW)	5.5
Nominal Current (Amp), I _N	10.5
Rated Imp. Dia (mm)	160/ 180 / 200 / 209
Pump Weight (P installation)	95
Pump Weight (S installation)	115

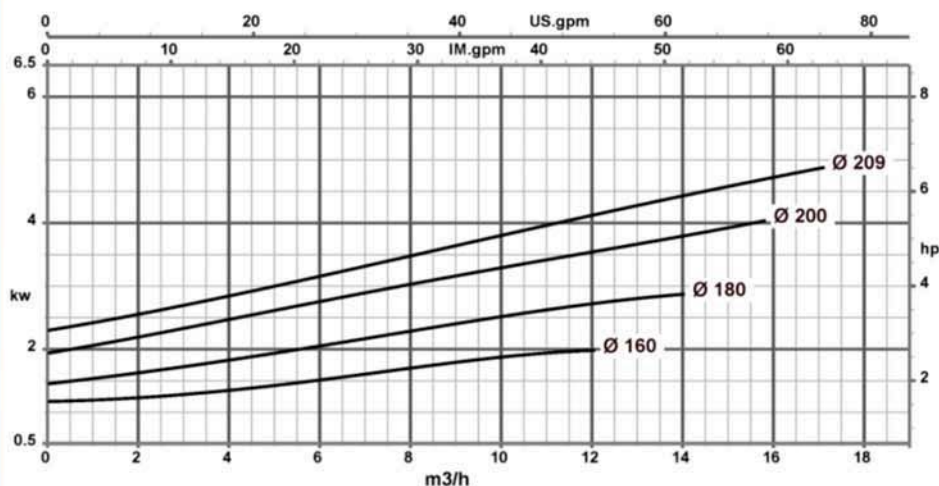


kW	DN ₁	DN ₂	DN ₃	A	B	C	E	F
5.5	50	50	50	370	750	510	920	180

All dimensions in mm



Q (m ³ /hr)	Head (m)		
	φ Imp (mm)		
	180	200	209
4	44.0	55.8	62.2
6	43.5	55.4	61.9
8	42.2	54.7	61.7
10	40.1	54.0	60.2
12	36.6	51.7	58.7
14	31.7	47.7	56.0



SEW F 80 – 210/ ... 4 .../...

DN 80

Free Passage : 75 mm

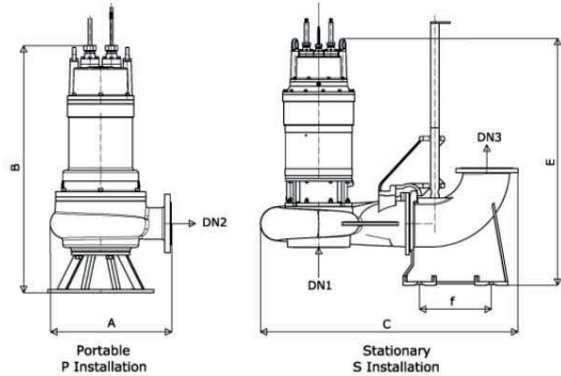
Technical Specifications

Connections

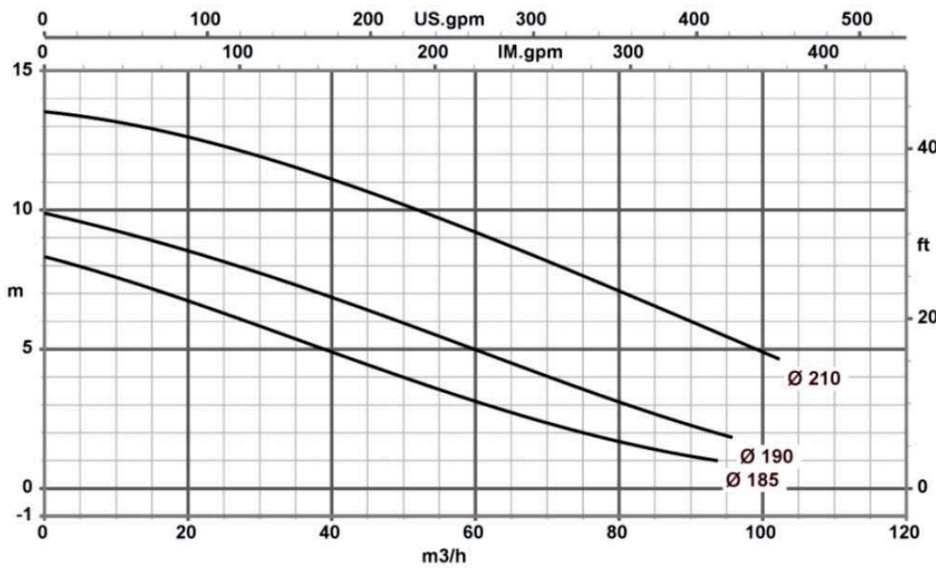
Inlet (inch)	3
Outlet (inch)	3

Motor Specification

Speed (RPM)	1450
Power (kW)	4
Nominal Current (Amp), I _N	8.8
Rated Imp. Dia (mm)	185 / 190 / 210
Pump Weight (P installation)	90
Pump Weight (S installation)	125

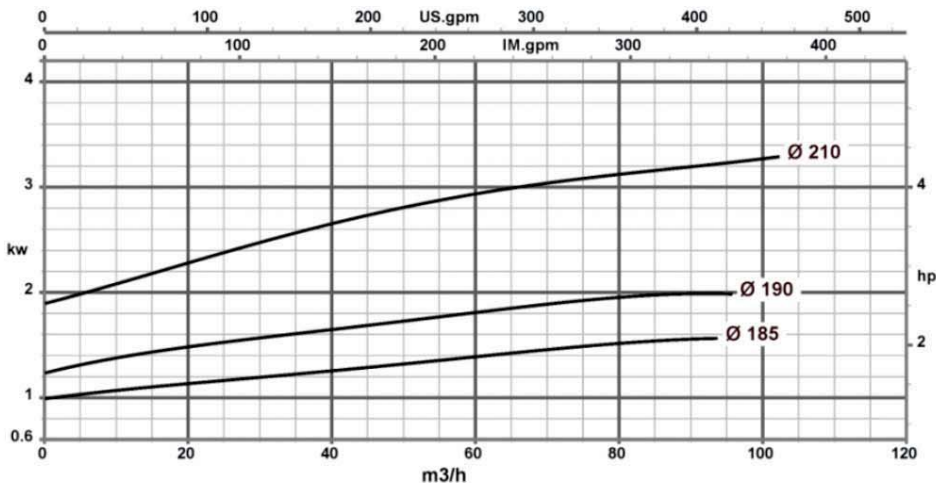


kW	DN ₁	DN ₂	DN ₃	A	B	C	E	F
4	80	80	80	420	686	910	840	200



All dimensions in mm

Q (m3/hr)	Head (m) φ Imp (mm)		
	185	190	210
20	6.7	8.5	12.6
40	5.0	6.9	11.1
50	4.0	6.0	10.1
60	3.1	5.0	9.1
80	1.7	3.1	7.0
90	1.2	2.2	6.0



SEW K 80 – 315/... 2 .../...

DN 80

Free Passage : 75 mm

Technical Specifications

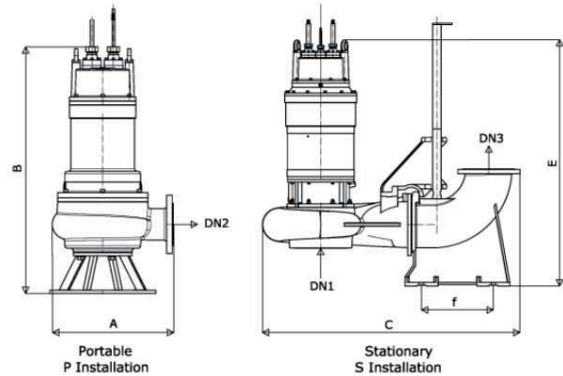
Connections

Inlet (inch)	3
Outlet (inch)	3

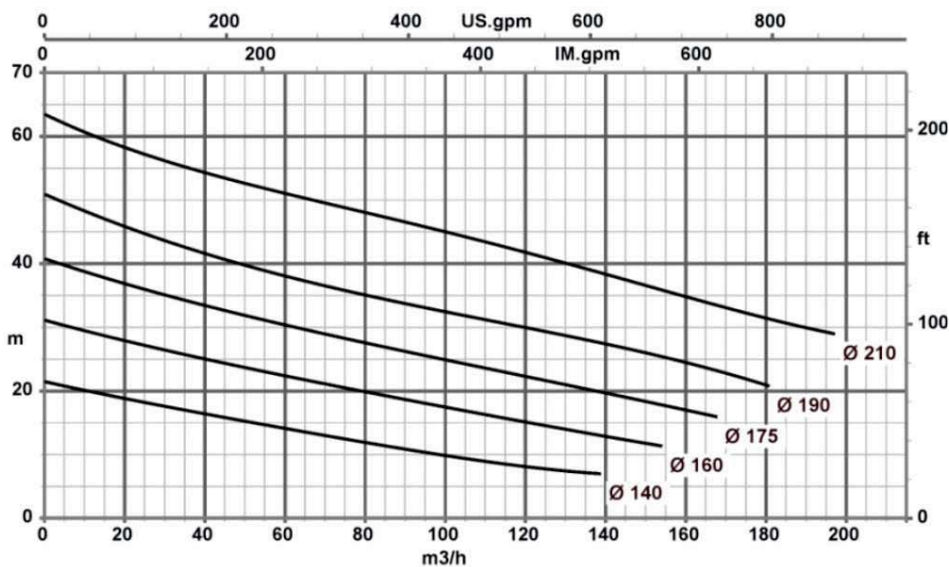
Motor Specification

Speed (RPM) 2900

Power (kW)	11	15	18.5	22
Nominal Current (Amp), I _N	20	27	32	38
Rated Imp. Dia (mm)	160	175	190	210
Pump Weight (P installation)	165	175	175	250
Pump Weight (S installation)	200	210	210	285

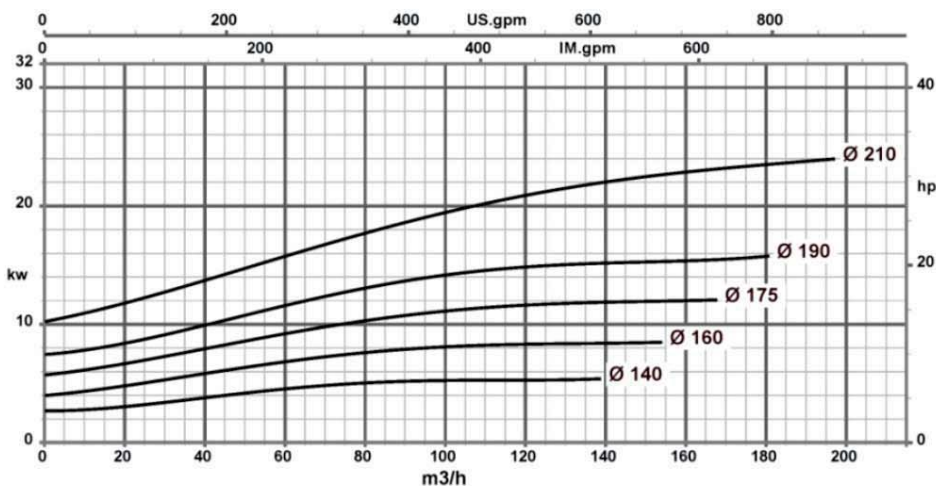


kW	DN ₁	DN ₂	DN ₃	A	B	C	E	F
11	80	80	80	715	470	805	700	200
15	80	80	80	745	470	805	740	200
18.5	80	80	80	745	470	805	740	200
22	80	80	80	885	470	805	880	200



All dimensions in mm

Q (m ³ /hr)	Head (m) φ Imp (mm)		
	160	190	210
40	25.0	—	—
80	20.0	35.0	48.0
100	17.5	32.5	45.0
120	15.0	30.0	42.0
140	13.0	27.5	38.0
180	—	21.5	31.5



SEW K 100 – 250/... 4 .../...

DN 100

Free Passage : 45 mm

Technical Specifications

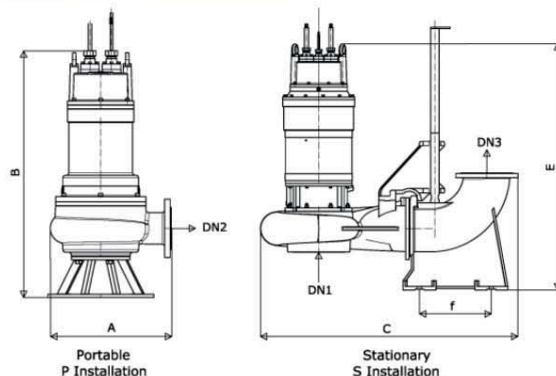
Connections

Inlet (inch)	4
Outlet (inch)	4

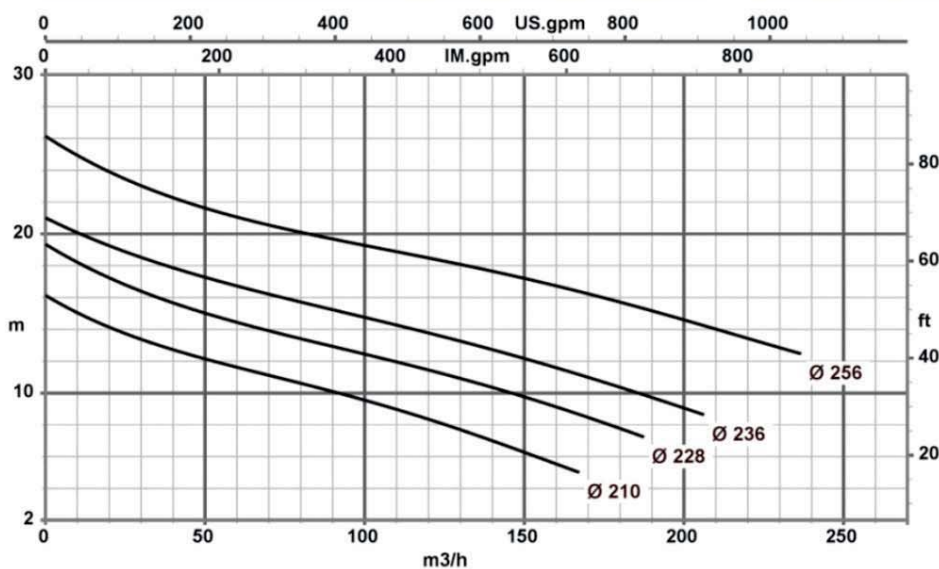
Motor Specification

Speed (RPM) 2900

Power (kW)	5.5	7.5	11	15
Nominal Current (Amp), I _N	12	15	21	28
Rated Imp. Dia (mm)	210	228	236	256
Pump Weight (P installation)	155	165	170	185
Pump Weight (S installation)	215	225	230	245

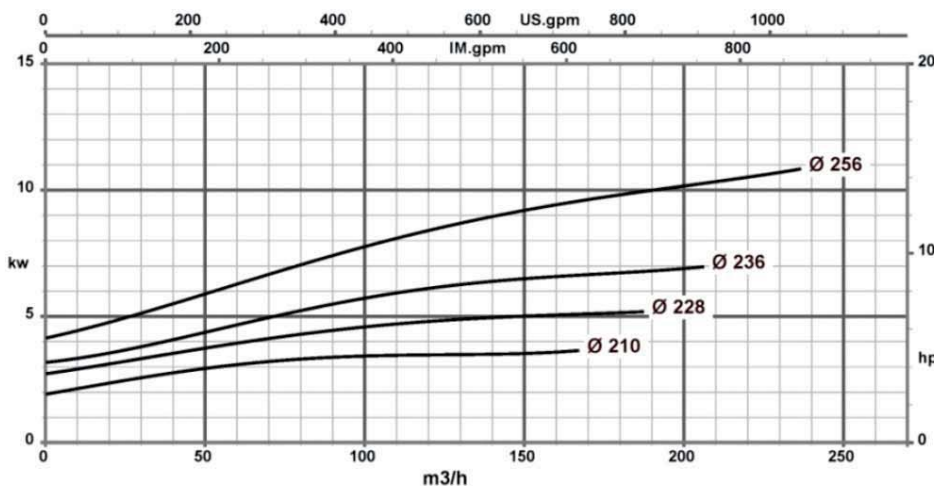


kW	DN ₁	DN ₂	DN ₃	A	B	C	E	F
5.5	100	100	100	465	931	830	1000	220
7.5	100	100	100	465	931	830	1000	220
11	100	100	100	465	965	830	1134	220
15	100	100	100	465	965	830	1134	220



All dimensions in mm

Q (m ³ /hr)	Head (m)		
	φ Imp (mm)		
	228	236	256
50	15.0	17.3	21.8
100	12.4	14.8	19.3
130	10.8	13.4	18.0
150	9.8	12.1	17.2
180	8.0	10.3	15.9
230	—	—	12.9



SEW K 150 – 315/... 6 .../...

DN 150

Free Passage : 55 mm

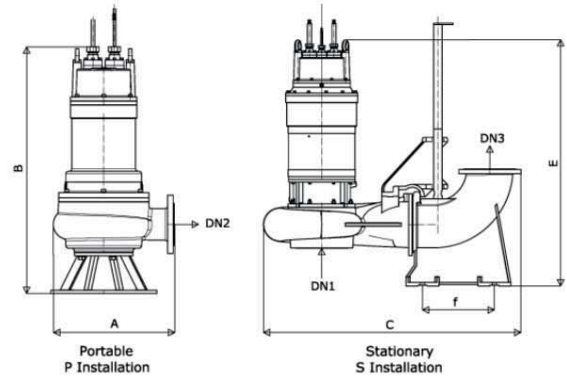
Technical Specifications

Connections

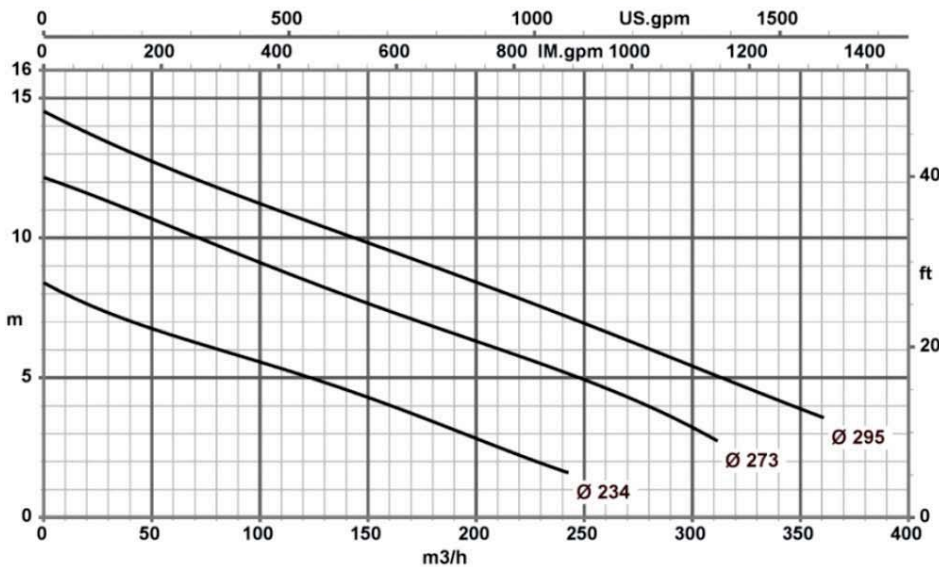
Inlet (inch)	6
Outlet (inch)	6

Motor Specification

Speed (RPM)	960		
Power (kW)	4	5.5	7.5
Nominal Current (Amp), I _N	6.7	11.5	15.5
Rated Imp. Dia (mm)	234	273	295
Pump Weight (P installation)	210	210	270
Pump Weight (S installation)	305	305	360

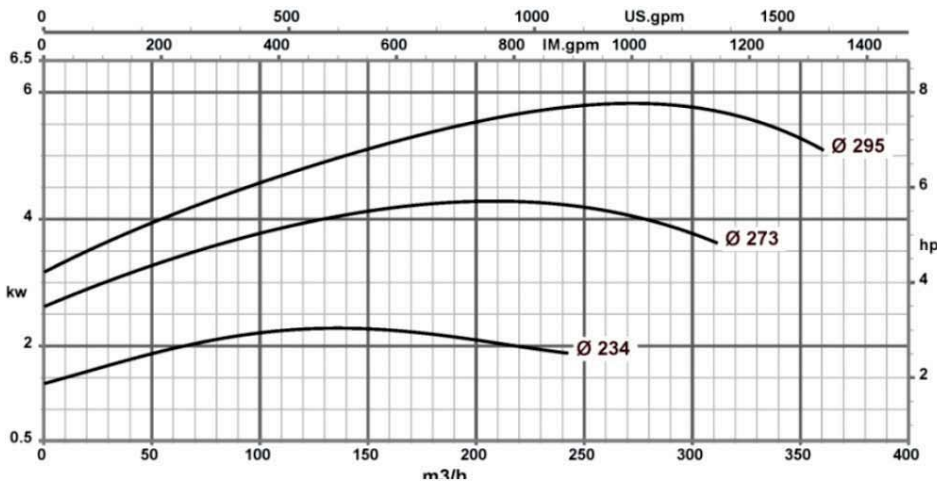


kW	DN ₁	DN ₂	DN ₃	A	B	C	E	F
4	150	150	150	640	1130	1085	1300	430
5.5	150	150	150	640	1130	1085	1300	430
7.5	150	150	150	640	1154	1085	1324	430



All dimensions in mm

Q (m ³ /hr)	Head (m)		
	φ Imp (mm)		
	234	273	295
100	5.5	9.1	10.2
150	4.3	7.7	9.9
200	2.9	6.2	8.4
250	1.4	5.0	7.0
300	—	3.2	5.4
350	—	—	3.9



SEW K 150 – 315/... 4 .../...

DN 150

Free Passage : 55 mm

Technical Specifications

Connections

Inlet (inch) 6

Outlet (inch) 6

Motor Specification

Speed (RPM) 1450

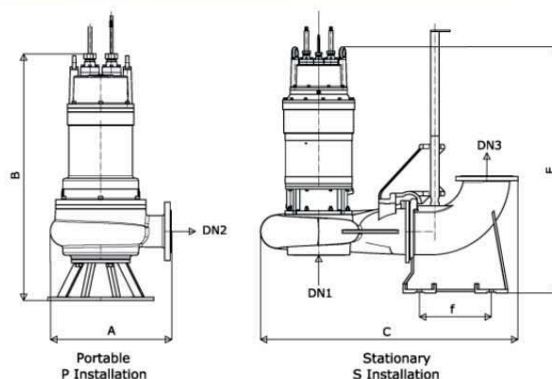
Power (kW) 7.5 11 15 18.5

Nominal Current (Amp), I_N 15 21 28 35

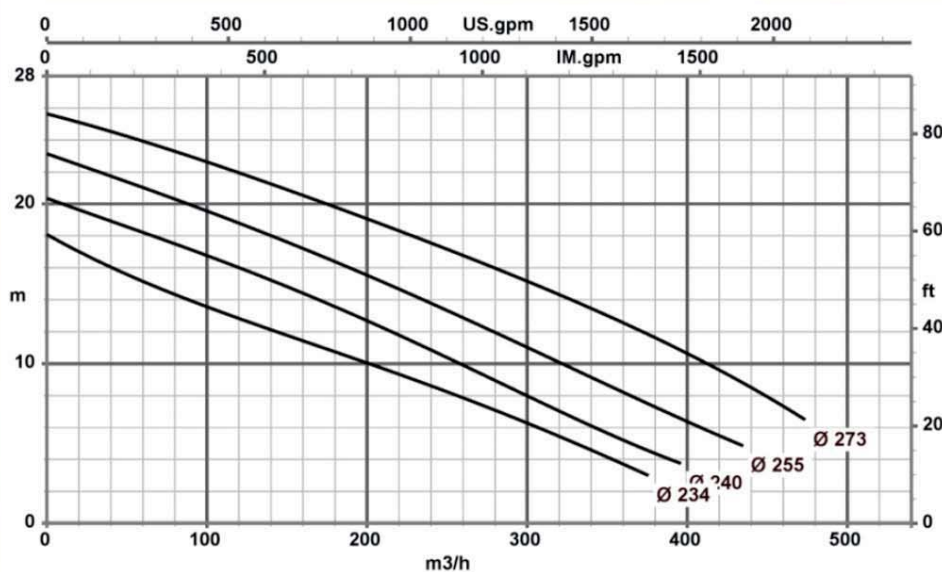
Rated Imp. Dia (mm) 234 240 255 273

Pump Weight (P installation) 231 265 270 285

Pump Weight (S installation) 326 360 365 380

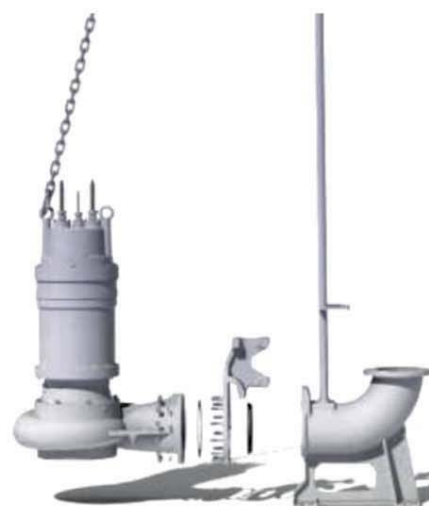
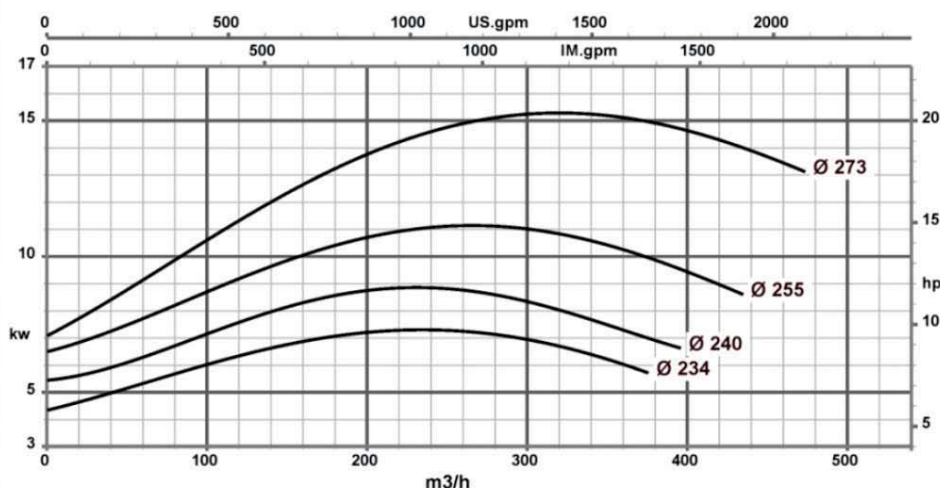


kW	DN ₁	DN ₂	DN ₃	A	B	C	E	F
7.5	150	150	150	640	1130	1085	1270	430
11	150	150	150	640	1154	1085	1300	430
15	150	150	150	640	1154	1085	1300	430
18.5	150	150	150	640	1154	1085	1300	430



All dimensions in mm

Q (m ³ /hr)	Head (m)		
	φ Imp (mm)		
	234	255	273
100	13.5	19.5	22.5
200	10.0	15.5	19.0
300	6.2	11.0	15.0
350	4.0	8.6	13.0
400	—	6.3	10.5
450	—	—	7.3



SEW K 150 – 400/... 6 .../...

DN 150

Free Passage : 80 mm

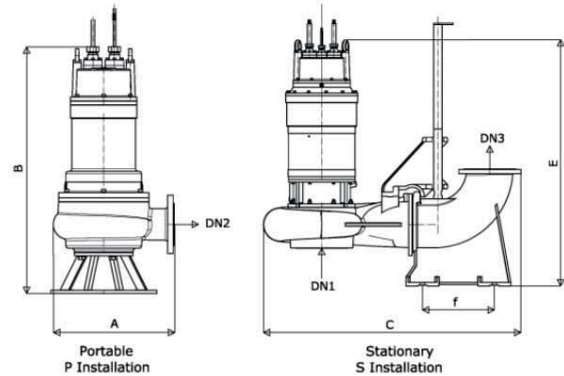
Technical Specifications

Connections

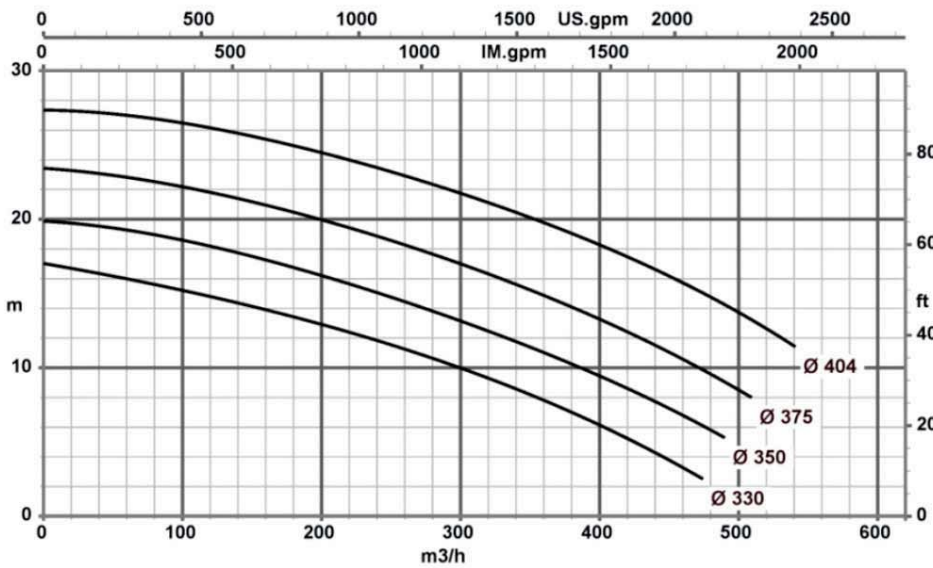
Inlet (inch)	8
Outlet (inch)	6

Motor Specification

Speed (RPM)	960		
Power (kW)	18.5	22	30
Nominal Current (Amp), I _N	35	41	54
Rated Imp. Dia (mm)	350	375	404
Pump Weight (P installation)	350	380	410
Pump Weight (S installation)	445	475	505

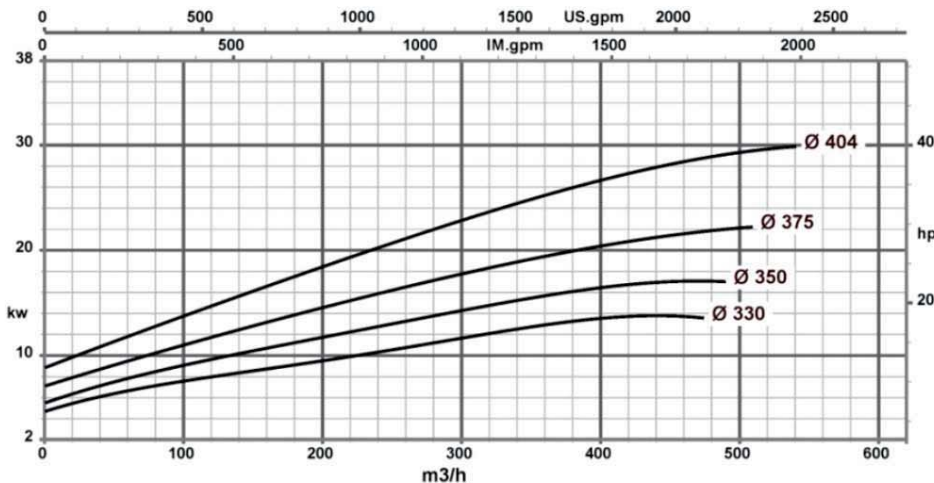


kW	DN ₁	DN ₂	DN ₃	A	B	C	E	F
18.5	200	150	150	900	1671	1280	1674	430
22	200	150	150	900	1671	1280	1674	430
30	200	150	150	900	1671	1280	1674	430



All dimensions in mm

Q (m ³ /hr)	Head (m)		
	φ Imp (mm)		
	350	375	404
100	18.3	22.0	26.3
200	16.1	20.0	24.3
300	13.2	17.0	21.8
350	11.5	15.3	20.2
400	9.7	13.4	18.1
500	—	8.3	13.9



SEW K 150 – 400/... 4 .../...

DN 150

Free Passage : 80 mm

Technical Specifications

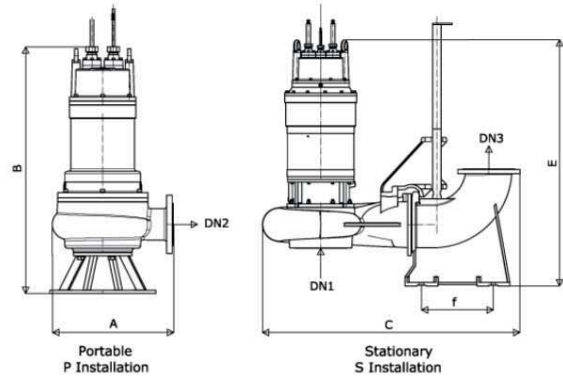
Connections

Inlet (inch)	8
Outlet (inch)	6

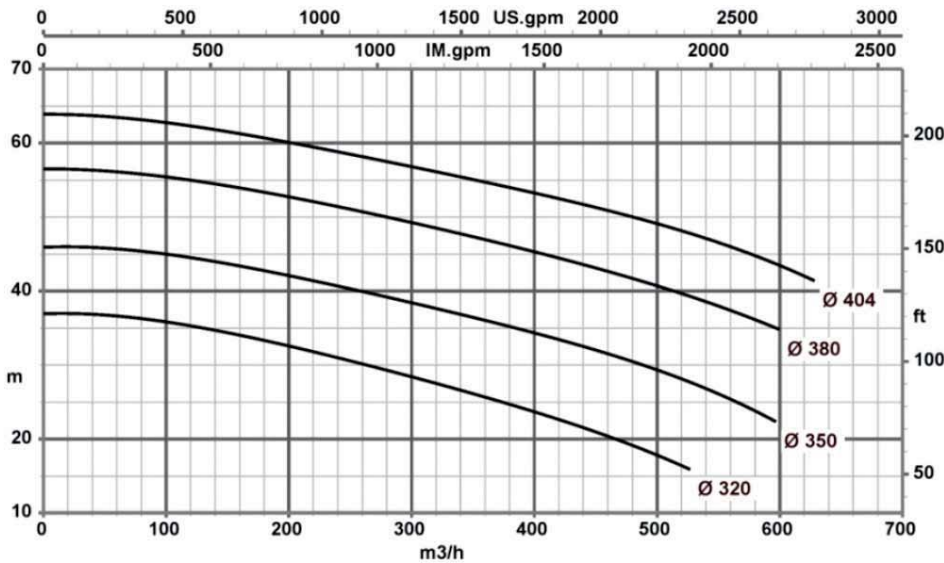
Motor Specification

Speed (RPM) 2900

Power (kW)	45	55	75	90
Nominal Current (Amp), I _N	81	99	134	160
Rated Imp. Dia (mm)	320	350	380	404
Pump Weight (P installation)	380	630	680	730
Pump Weight (S installation)	475	725	775	825

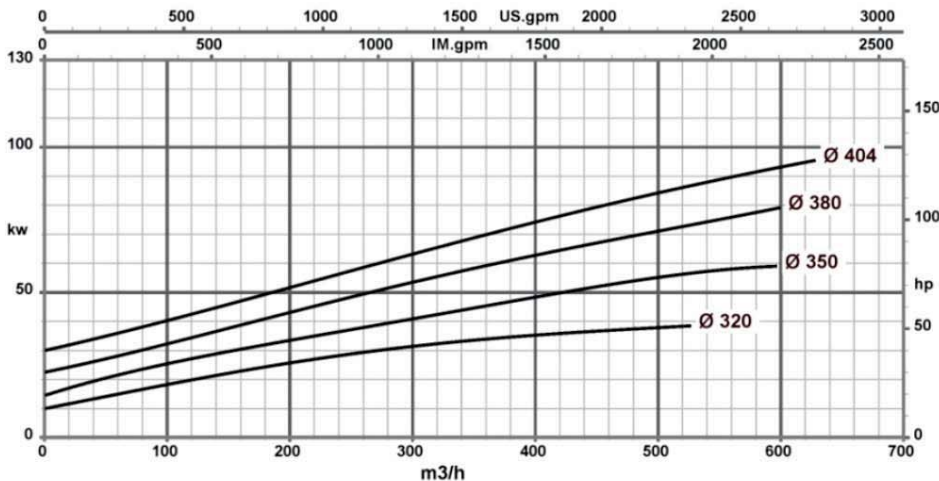


kW	DN ₁	DN ₂	DN ₃	A	B	C	E	F
45	200	150	150	900	1671	1280	1570	430
55	200	150	150	900	1720	1280	1674	430
75	200	150	150	900	1750	1280	1674	430
90	200	150	150	900	1750	1280	1674	430



All dimensions in mm

Q (m ³ /hr)	Head (m)		
	φ Imp (mm)		
	320	380	404
100	36.0	55.1	63.0
200	32.5	52.5	60.0
300	28.0	49.5	57.0
400	23.5	45.0	53.0
500	—	40.5	48.5
550	—	38.0	46.5



SEW K 150 – 500/... 4 .../...

DN 150

Free Passage : 85 mm

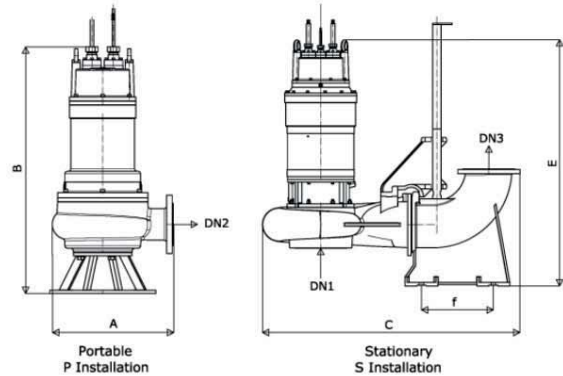
Technical Specifications

Connections

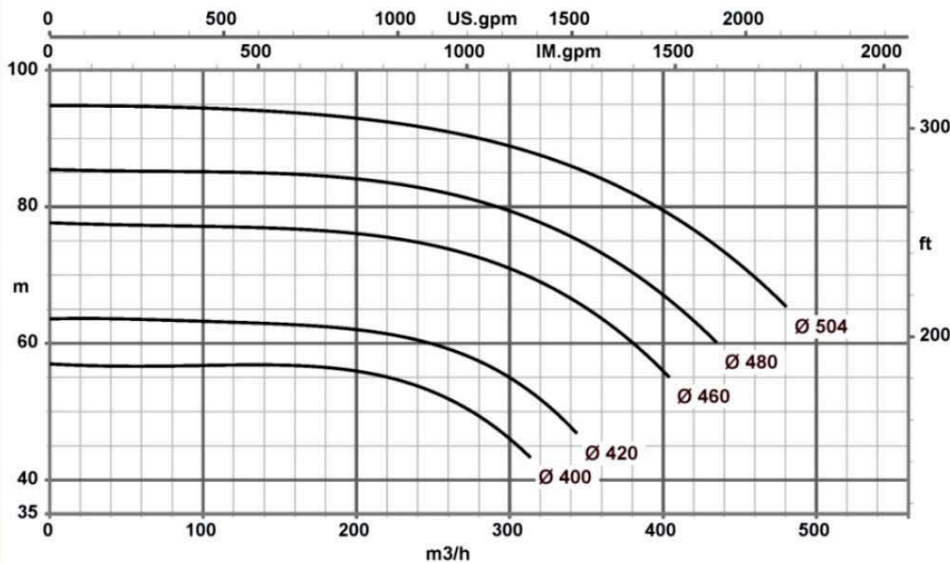
Inlet (inch)	8
Outlet (inch)	6

Motor Specification

Speed (RPM)	1450				
Power (kW)	55	75	90	110	132
Nominal Current (Amp), I _N	99	134	160	194	233
Rated Imp. Dia (mm)	400	420	460	480	504
Pump Weight (P installation)	620	680	680	730	750
Pump Weight (S installation)	715	775	775	825	845

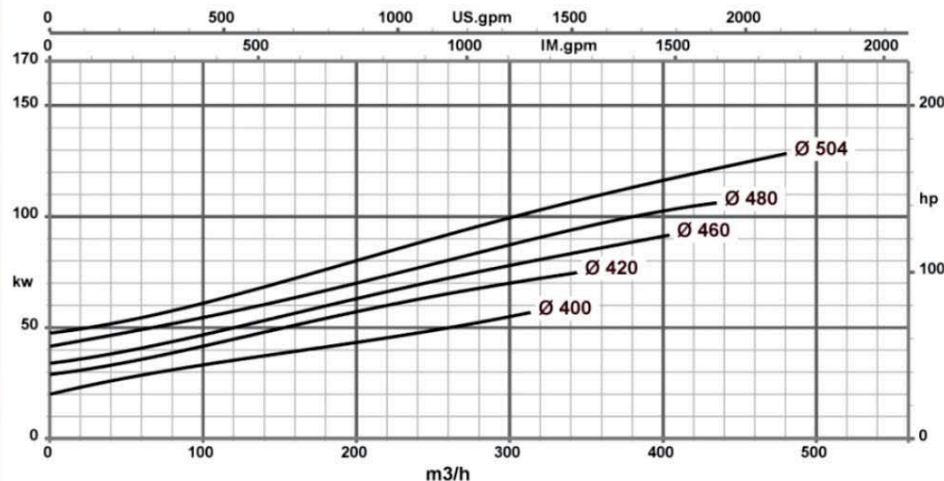


kW	DN ₁	DN ₂	DN ₃	A	B	C	E	F
55	200	150	150	1100	1671	1500	1620	430
75	200	150	150	1100	1720	1500	1674	430
90	200	150	150	1100	1750	1500	1674	430
110	200	150	150	1100	1750	1500	1760	430
132	200	150	150	1100	1750	1500	1760	430



All dimensions in mm

Q (m ³ /hr)	Head (m)		
	φ Imp (mm)		
	400	460	504
100	57.0	77.5	94.7
200	56.0	76.0	92.5
300	46.0	71.5	88.0
350	—	65.0	85.0
400	—	56.0	79.5
450	—	—	72.5



SEW K 200 – 400/... 6 .../...

DN 200

Free Passage : 100 mm

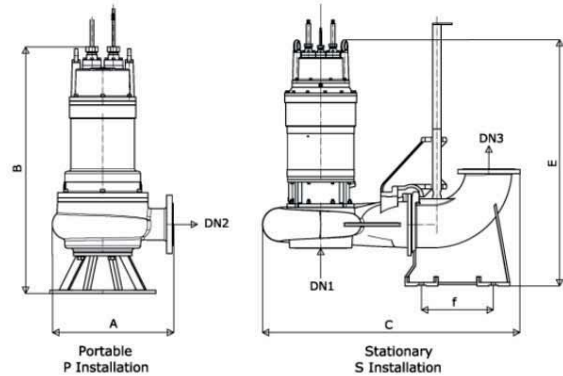
Technical Specifications

Connections

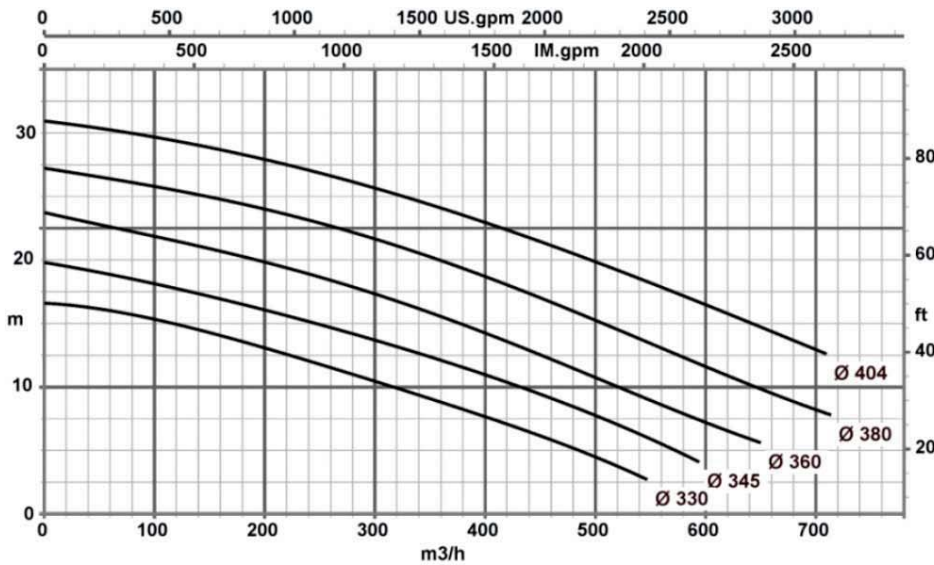
Inlet (inch)	10
Outlet (inch)	8

Motor Specification

Speed (RPM)	960		
Power (kW)	22	30	37
Nominal Current (Amp), I _N	41	54	66
Rated Imp. Dia (mm)	≤360	380	404
Pump Weight (P installation)	400	440	490
Pump Weight (S installation)	550	590	740

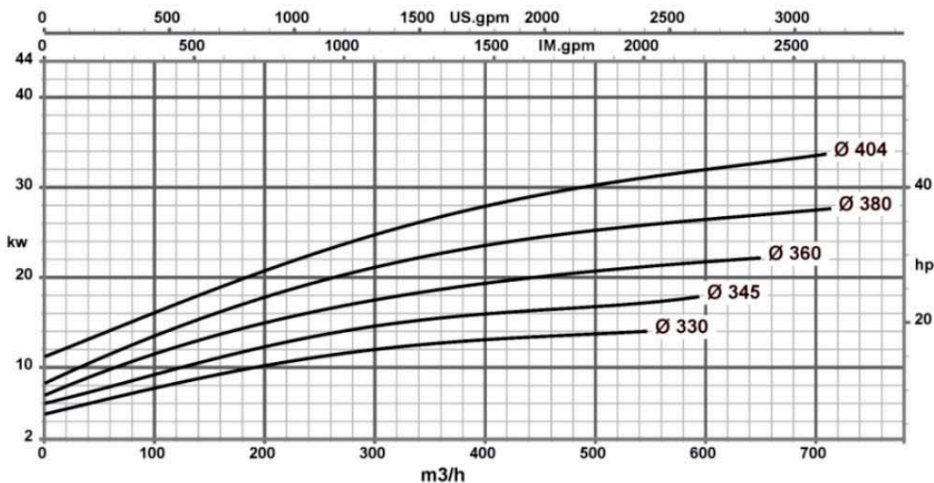


kW	DN ₁	DN ₂	DN ₃	A	B	C	E	F
22	250	200	200	900	1671	1280	1674	450
30	250	200	200	900	1671	1280	1674	450
37	250	200	200	900	1671	1280	1674	450



All dimensions in mm

Q (m ³ /hr)	Head (m)		
	φ Imp (mm)		
	360	380	404
200	20.0	24.2	28.0
300	17.5	22.0	25.5
400	12.9	18.7	23.0
500	10.8	15.0	20.0
600	7.2	11.7	16.7
700	—	8.3	13.0



SEW K 200 – 400/... 4 .../...

DN 200

Free Passage : 100 mm

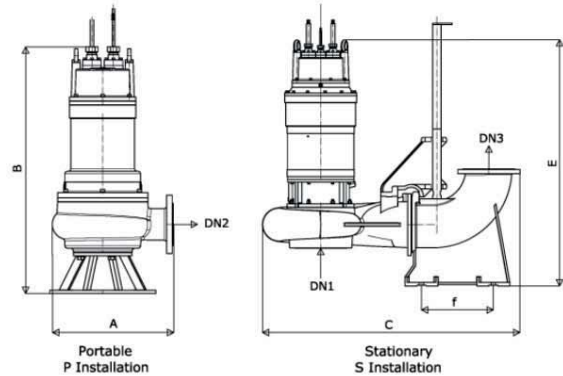
Technical Specifications

Connections

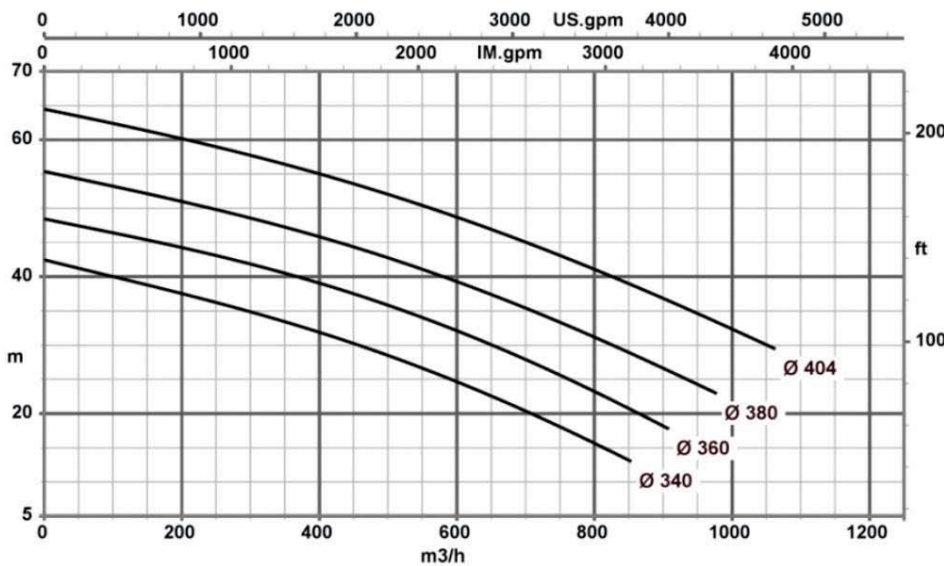
Inlet (inch)	10
Outlet (inch)	8

Motor Specification

Speed (RPM)	1450				
Power (kW)	55	75	90	110	132
Nominal Current (Amp), I _N	99	134	160	194	233
Rated Imp. Dia (mm)	340	360	380	390	404
Pump Weight (P installation)	400	600	650	750	750
Pump Weight (S installation)	550	750	800	900	900

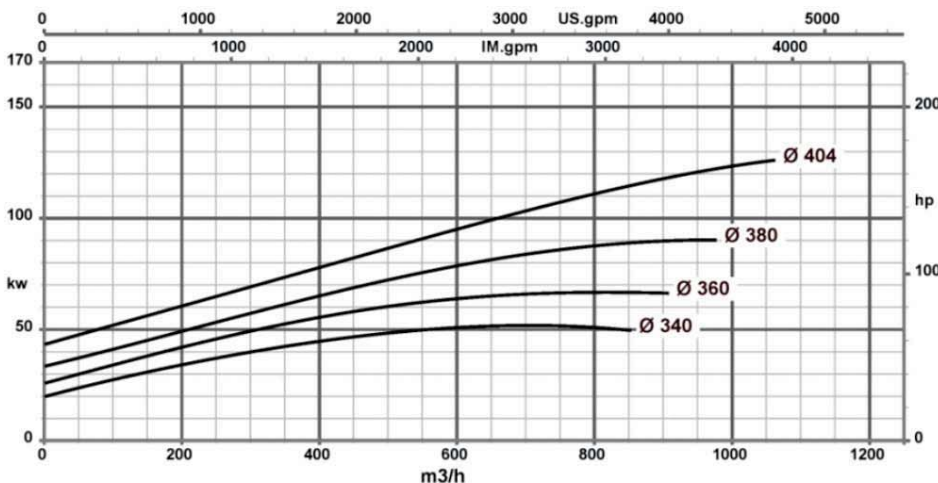


kW	DN ₁	DN ₂	DN ₃	A	B	C	E	F
55	250	200	200	900	1671	1280	1674	450
75	250	200	200	900	1720	1280	1723	450
90	250	200	200	900	1750	1280	1753	450
110	250	200	200	900	1750	1280	1753	450
132	250	200	200	900	1750	1280	1753	450



All dimensions in mm

Q (m ³ /hr)	Head (m)		
	φ Imp (mm)		
	340	380	404
200	37.5	52.0	60.0
400	32.0	46.5	55.0
600	25.0	39.0	48.0
800	16.0	32.0	41.5
900	—	26.5	37.0
1000	—	—	32.5



SEW K 250 – 290/... 4 .../...

DN 250

Free Passage : 110 mm

Technical Specifications

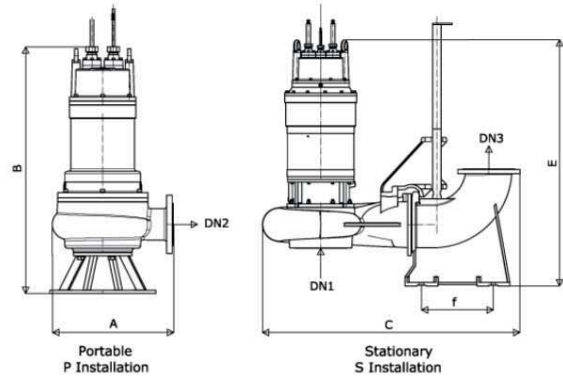
Connections

Inlet (inch)	12
Outlet (inch)	10

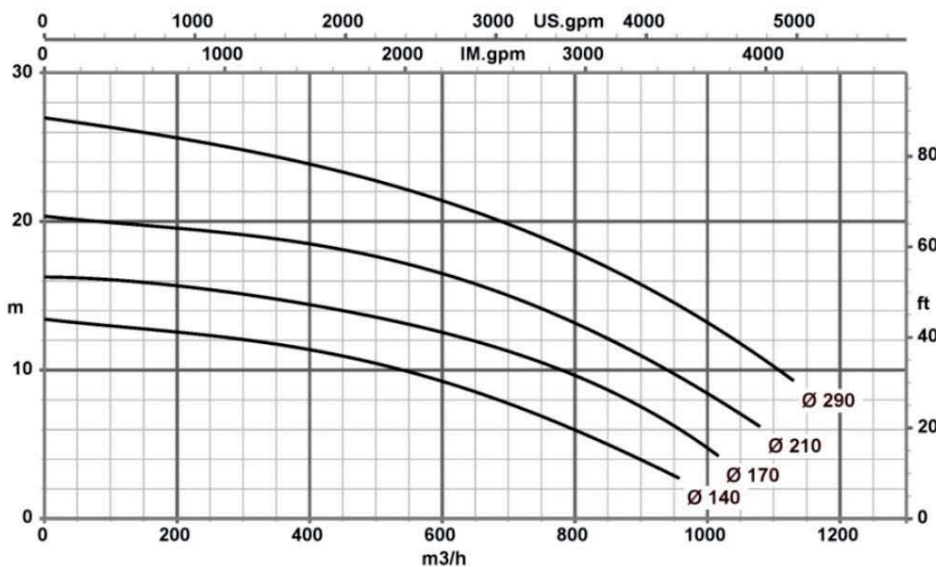
Motor Specification

Speed (RPM) 1450

Power (kW)	30	37	45	55
Nominal Current (Amp), I _N	56	67	81	99
Rated Imp. Dia (mm)	140	170	210	290
Pump Weight (P installation)	435	440	450	450
Pump Weight (S installation)	585	590	600	600

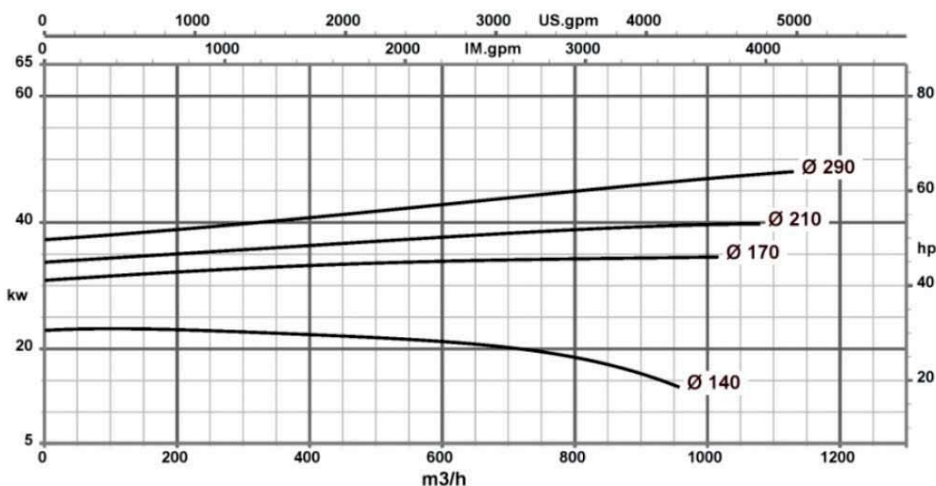


kW	DN ₁	DN ₂	DN ₃	A	B	C	E	F
30	300	250	250	1000	1665	1536	1663	530
37	300	250	250	1000	1665	1630	1663	530
45	300	250	250	1000	1665	1630	1663	530
55	300	250	250	1000	1665	1630	1663	530



All dimensions in mm

Q (m ³ /hr)	Head (m) φ Imp (mm)		
	170	210	290
200	15.8	19.5	25.8
400	14.5	18.7	24.0
600	12.5	16.5	21.4
800	9.8	13.0	18.0
1000	4.8	8.4	13.0
1100	—	—	10.2



SEW K 300 – 350/... 6 .../...

DN 300

Free Passage : 120 mm

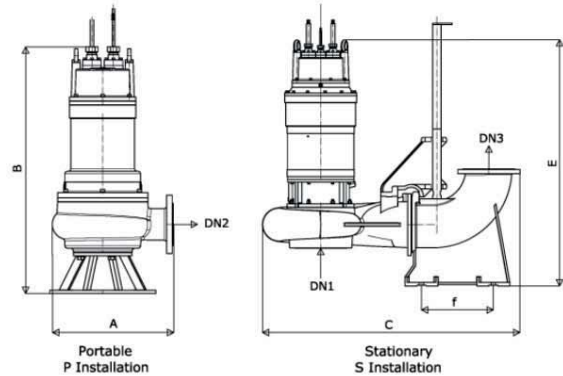
Technical Specifications

Connections

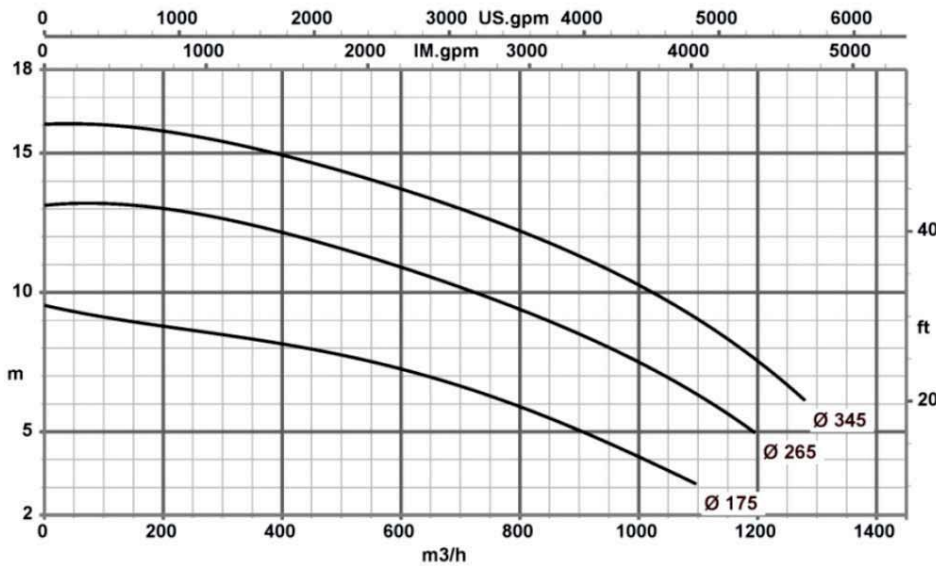
Inlet (inch)	14
Outlet (inch)	12

Motor Specification

Speed (RPM)	960		
Power (kW)	22	30	37
Nominal Current (Amp), I _N	41	54	66
Rated Imp. Dia (mm)	175	265	345
Pump Weight (P installation)	750	830	940
Pump Weight (S installation)	1020	1100	1210

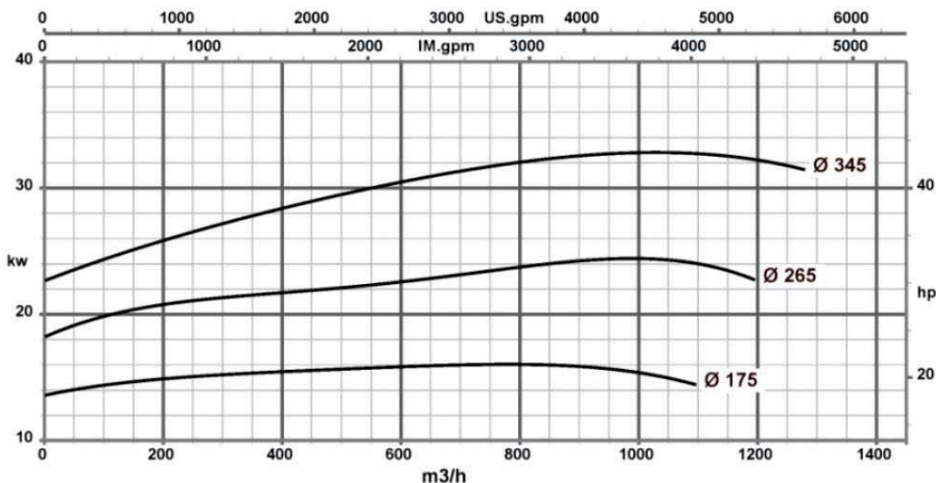


kW	DN ₁	DN ₂	DN ₃	A	B	C	E	F
22	350	300	300	1067	1710	1843	1760	530
30	350	300	300	1067	1710	1843	1760	530
37	350	300	300	1067	1710	1843	1760	530



All dimensions in mm

Q (m ³ /hr)	Head (m)		
	φ Imp (mm)		
	175	265	345
400	8.1	12.1	15.0
600	7.2	10.9	13.8
800	5.9	9.4	12.1
900	5.0	8.5	11.2
1000	4.0	7.5	10.2
1200	—	4.9	7.5



SEW K 300 – 350/... 4 .../...

DN 300

Free Passage : 120 mm

Technical Specifications

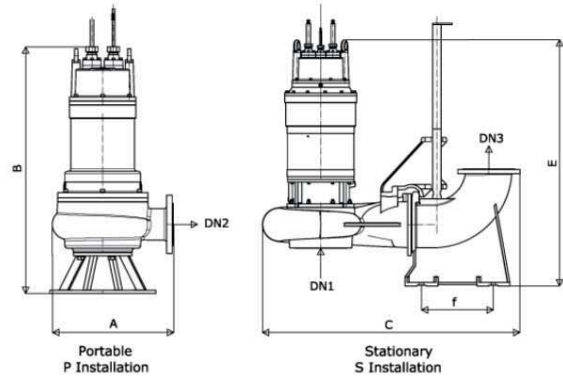
Connections

Inlet (inch)	14
Outlet (inch)	12

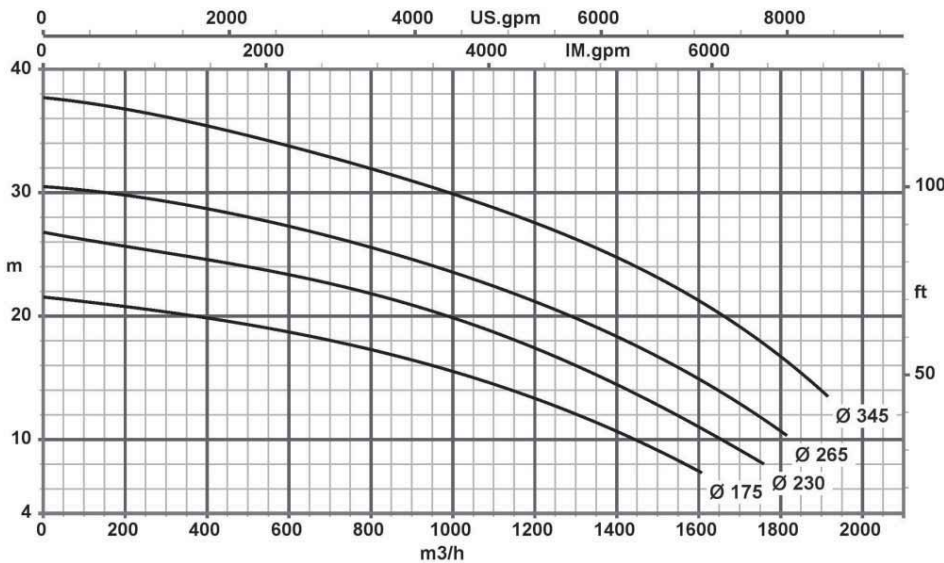
Motor Specification

Speed (RPM) 1450

Power (kW)	55	75	90	110
Nominal Current (Amp), I _N	99	134	160	194
Rated Imp. Dia (mm)	175	230	265	345
Pump Weight (P installation)	675	700	850	1000
Pump Weight (S installation)	1075	1100	1250	1400

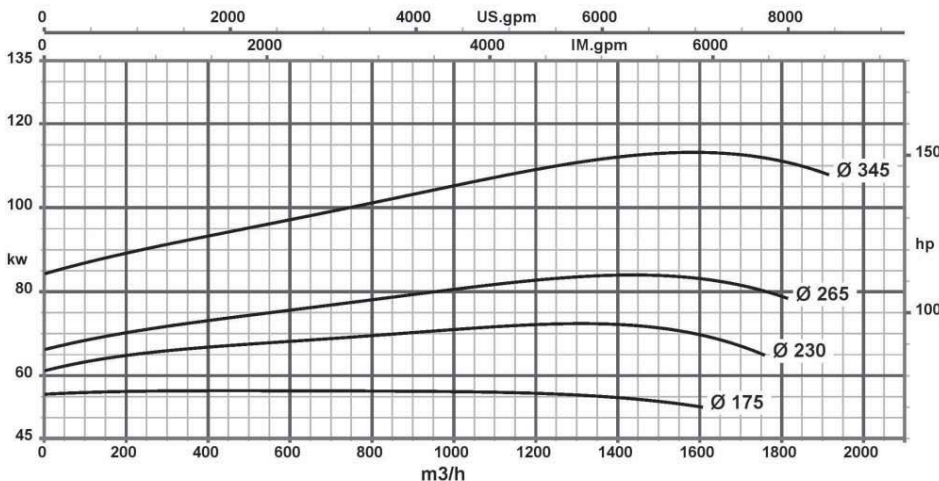


kW	DN ₁	DN ₂	DN ₃	A	B	C	E	F
55	350	300	300	1067	1760	1843	1720	530
75	350	300	300	1067	1760	1843	1720	530
90	350	300	300	1067	1760	1843	1720	530
110	350	300	300	1067	1960	1843	1920	530



All dimensions in mm

Q (m ³ /hr)	Head (m) φ Imp (mm)		
	175	265	345
600	18.7	27.0	34.0
800	17.2	25.5	32.0
1000	15.6	23.5	30.0
1200	13.3	21.0	27.5
1600	7.6	15.0	21.5
1800	—	10.5	16.5



SEW K 350 – 450/... 6 .../...

DN 350

Free Passage : 150 mm

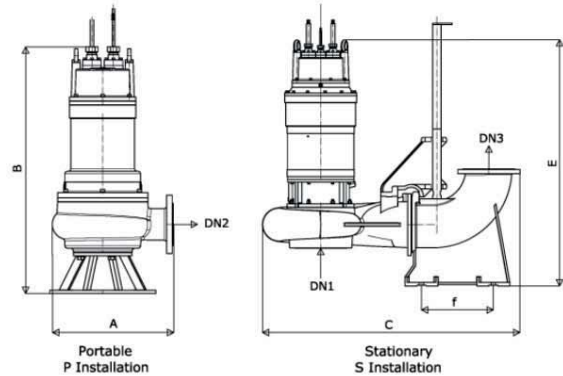
Technical Specifications

Connections

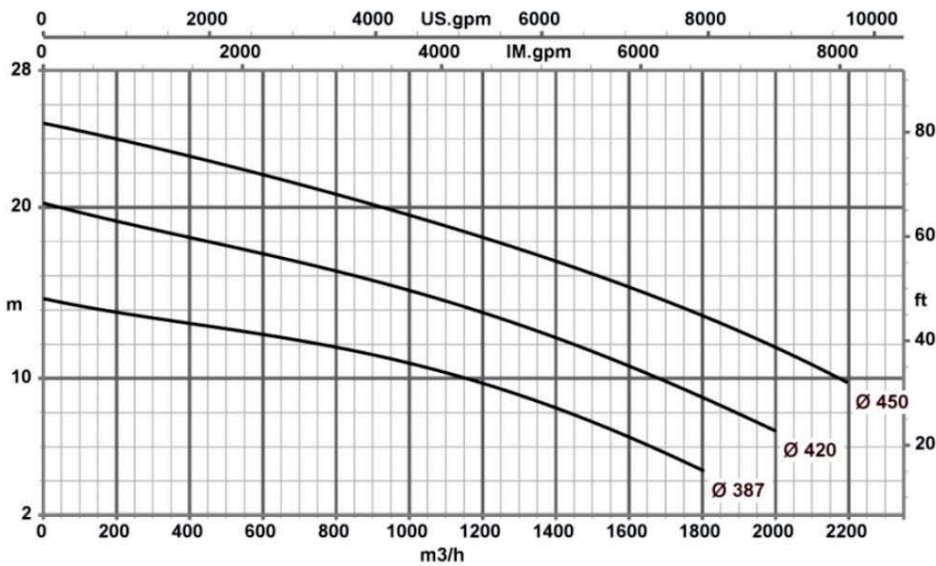
Inlet (inch)	16
Outlet (inch)	14

Motor Specification

Speed (RPM)	960		
Power (kW)	55	75	90
Nominal Current (Amp), I _N	98	133	156
Rated Imp. Dia (mm)	387	420	450
Pump Weight (P installation)	850	900	950
Pump Weight (S installation)	1200	1250	1300

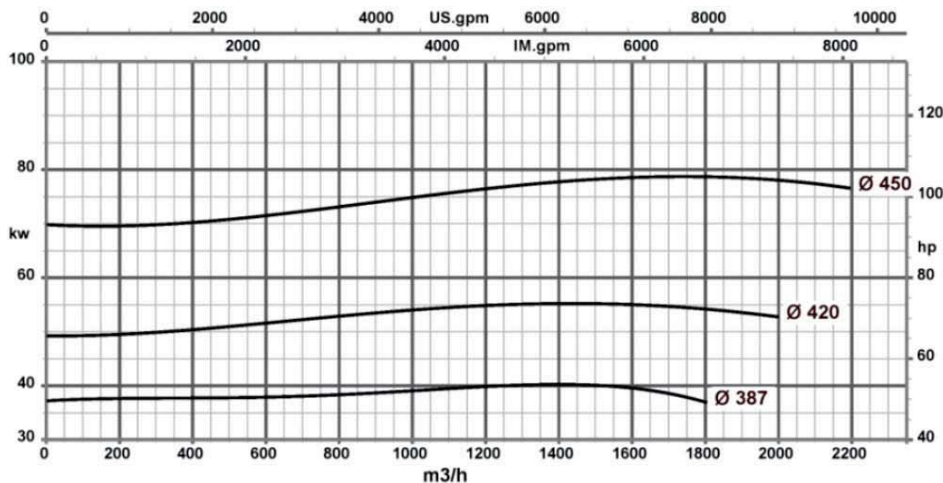


kW	DN ₁	DN ₂	DN ₃	A	B	C	E	F
55	400	350	350	1250	1800	2250	1850	650
75	400	350	350	1250	1850	2250	1900	650
90	400	350	350	1250	1900	2250	1950	650



All dimensions in mm

Q (m ³ /hr)	Head (m)		
	φ Imp (mm)		
	387	420	450
750	12.0	16.3	21.1
1000	10.9	15.2	19.8
1250	9.4	13.8	18.0
1500	7.7	11.8	16.0
1750	5.0	9.7	14.0
2000	—	7.0	11.9



SEW K 400 – 500/... 6 .../...

DN 400

Free Passage : 175 mm

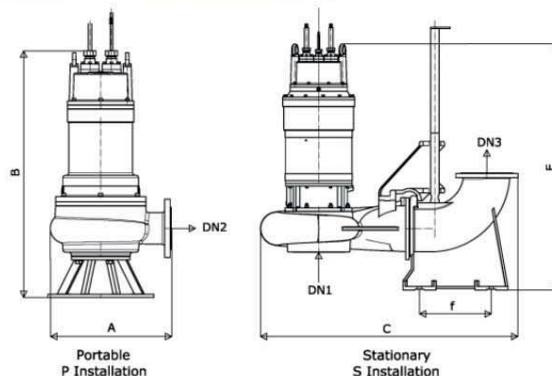
Technical Specifications

Connections

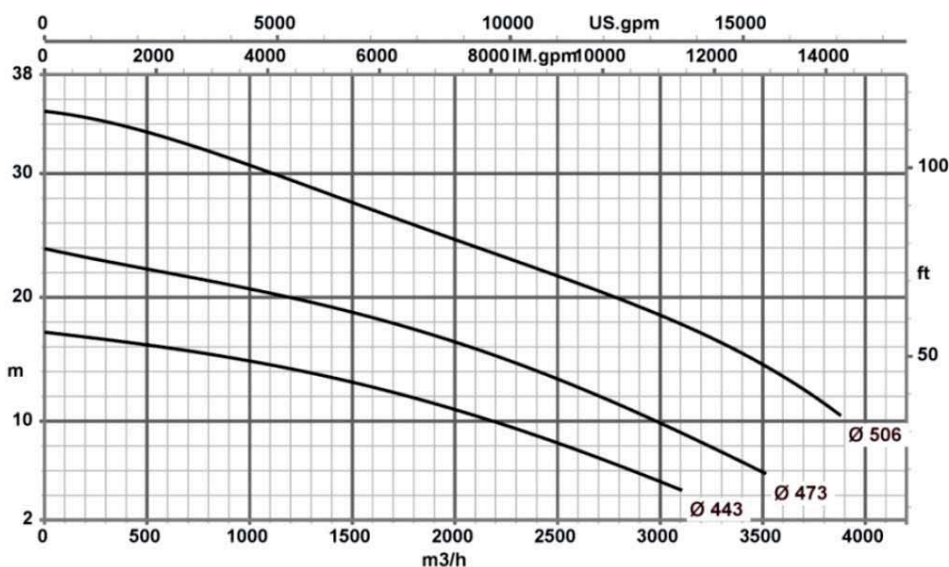
Inlet (inch)	18
Outlet (inch)	16

Motor Specification

Speed (RPM)	960		
Power (kW)	90	132	180
Nominal Current (Amp), I _N	156	228	320
Rated Imp. Dia (mm)	443	473	506
Pump Weight (P installation)	1250	1420	1650
Pump Weight (S installation)	1650	1820	2050

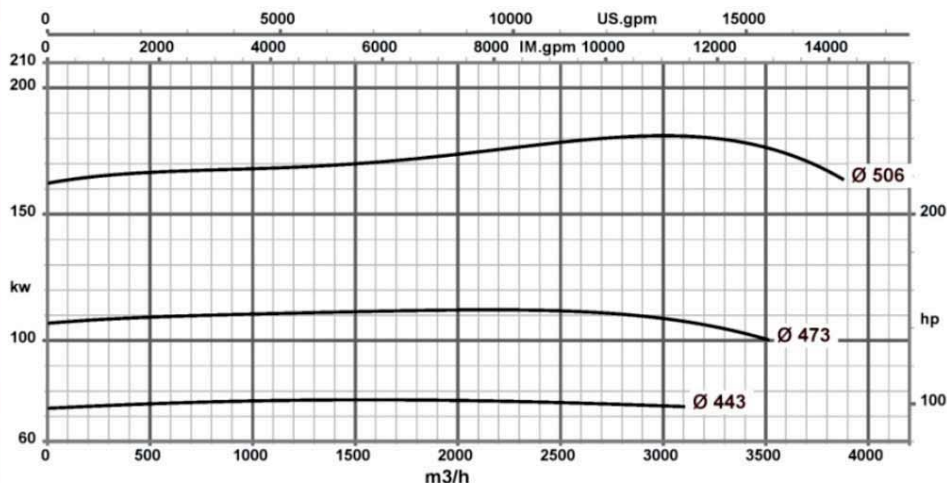


kW	DN ₁	DN ₂	DN ₃	A	B	C	E	F
90	450	400	400	1400	1920	2350	1950	700
132	450	400	400	1400	2040	2350	2070	700
180	450	400	400	1400	2100	2350	2130	700



All dimensions in mm

Q (m ³ /hr)	Head (m) φ Imp (mm)		
	443	473	506
1000	12.9	—	—
1500	13.1	18.7	27.9
2000	11.0	16.2	14.7
2250	9.7	15.0	13.0
2500	8.1	13.7	11.9
3000	5.0	10.0	18.5



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