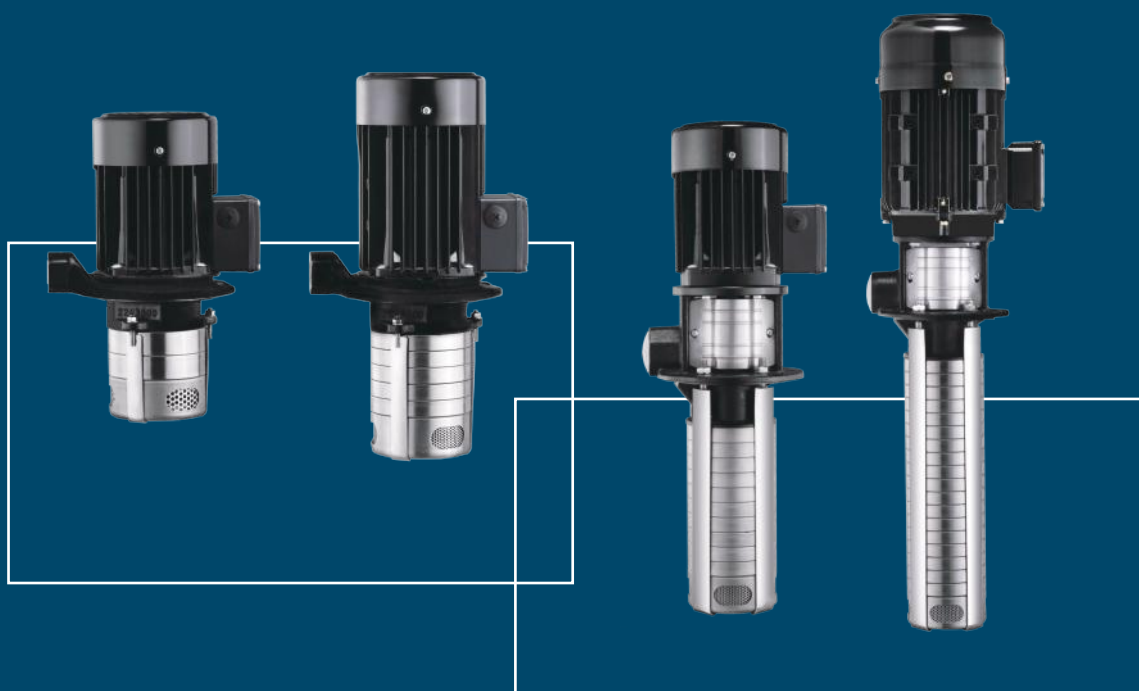




SBK 1,3,5,10,15,20 series
CBK 2,4,8,12 series
Immersible pump

50/60Hz



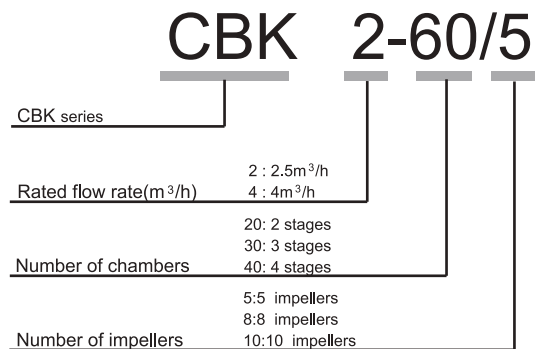
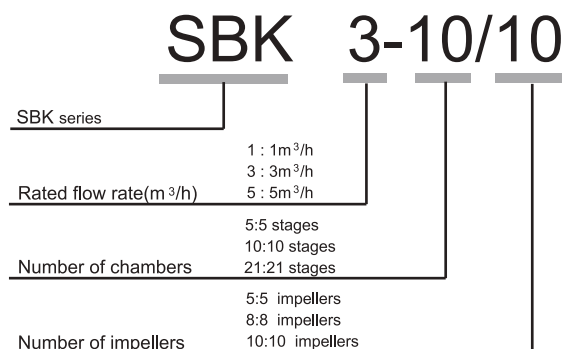
STAIRS INDUSTRIAL CO., LTD.

SBK/CBK-series

Page Pump type Description

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48	CBK	2 series 60Hz(Dual Frequency) Technical data
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59		Installation

Type Keys



General Data

SBK

Feature

Compact design / High Efficiency Reliability /
Easy installation / Wide Range

Application

Cooling units / Grinding machines /
Machine centers / Spark machine tools /
Filtering systems /
Industrial washing machines



SBK pumps are vertical multistage centrifugal pumps especially designed for pumping of cooling lubricants for machine tools , and to be mounted on top of tanks with the pump stack immersed in the pumped liquid. STAIRS SBK pumps are available with various pump sizes and various numbers of stages to provide the flow, the pressure and the length required.

SBK 50Hz Product Data

Range	1	3	5	10	15	20
Frequency	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Rated flow rate(m ³ /h)	1	3	5	10	17	21
Flow range (m ³ /h)	0.7~2.4	1.2~4.5	2.5~8.5	5~13	8.5~23.5	10.5~29
Maximum head (bar)	22	23	24	23	23	24
Motor power (kW)	0.37~2.2	0.37~3.0	0.37~5.5	0.75~7.5	1.1~15	1.1~18.5
Temperature range (°C)	-10 to +90					

Pipe connection

Union

RP 1 1/4

RP2"

SBK 60Hz Product Data

Range	1	3	5	10	15	20
Frequency	60Hz	60Hz	60Hz	60Hz	60Hz	60Hz
Rated flow rate(m ³ /h)	1.2	3.6	6	12.1	20.5	25.3
Flow range (m ³ /h)	0.8~2.9	1.4~5.4	3~10	6~15.7	10.2~28.4	12.6~35
Maximum head (bar)	24	23	23	26	23	21
Motor power (kW)	0.37~2.2	0.37~4.0	0.55~7.5	0.75~11	1.5~18.5	2.2~18.5
Temperature range (°C)	-10 to +90					

Pipe connection

Union

RP 1 1/4

RP2"

Pumped Liquids

Do not pump the explosive or aggressive liquids and the liquids should be free of fibers. The SBK pumps have the strainer in the suction chamber with inlet to prevent large particles from entering and damaging the pump. In order to avoid the larger particles block the filters, we suggest to filtrate elementarily before pumping the liquids with particles.

Pump Type	Particles handling	Particles handling
	of filter[mm]	of impeller[max. mm]
SBK 1	2	2.5
SBK 3	2	3.1
SBK 5	4	5.5
SBK 10	4	5.5
SBK 15	4	6
SBK 20	4	7.9

NOTE: Do not remove the filters.

Mechanical Seals

Standard Cartridge type mechanical seal made of Tungsten carbide/Tungsten carbide Viton.

The cartridge type mechanical seal can be replaced in minutes without special tools and without dismantling the pump.

List of materials

U: Tungsten carbide V: Viton

Type of Seal

SUUV Standard

Mechanical seal is available in different material per customer's demand.

Motor Data

SBK is fitted with totally enclosed fan-cooled, 2-pole standard motor.

Enclosure class : IP 55

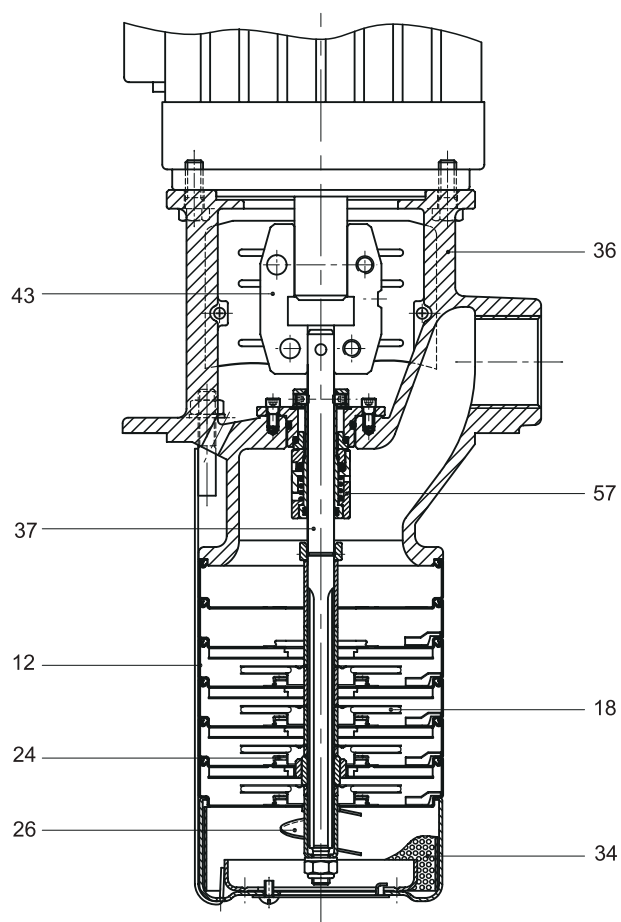
Insulation class : F

Ambient temperature : Max. + 50°C

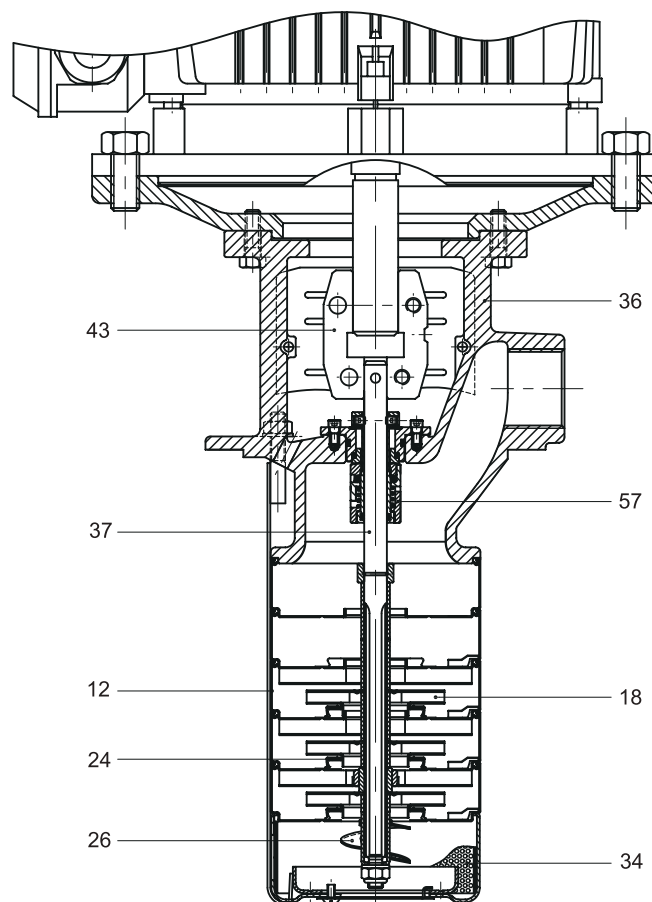
Supply voltage 50 Hz: 3X220-240/380-415V

Supply voltage 60 Hz: 0.37-1.1kW 3X220-255/380-440V
1.5-7.5 kW 3X220-277/380-480V
11-18.5 kW 3X220-277/380-480V

SBK 1,3

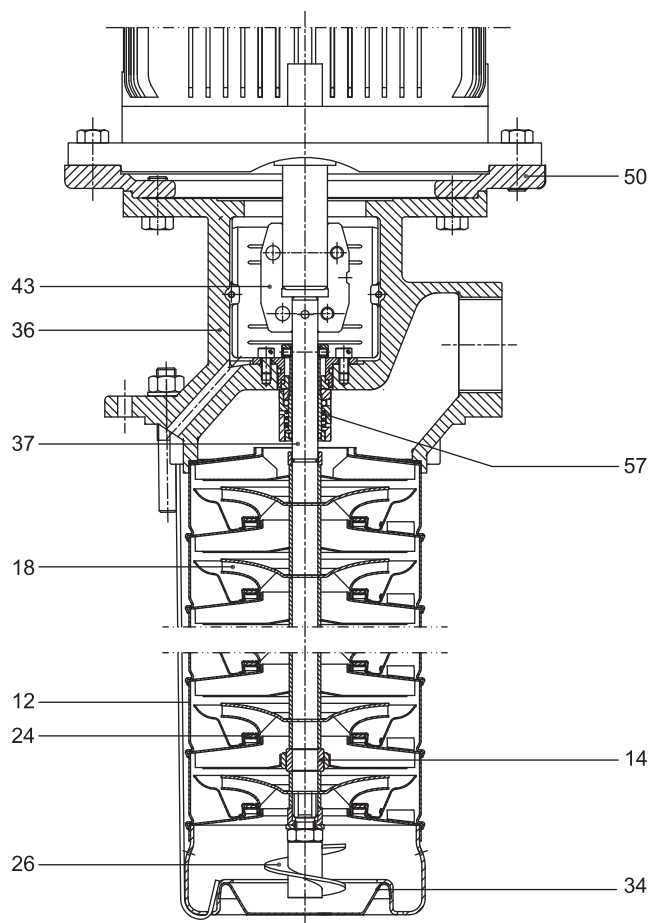


SBK 5



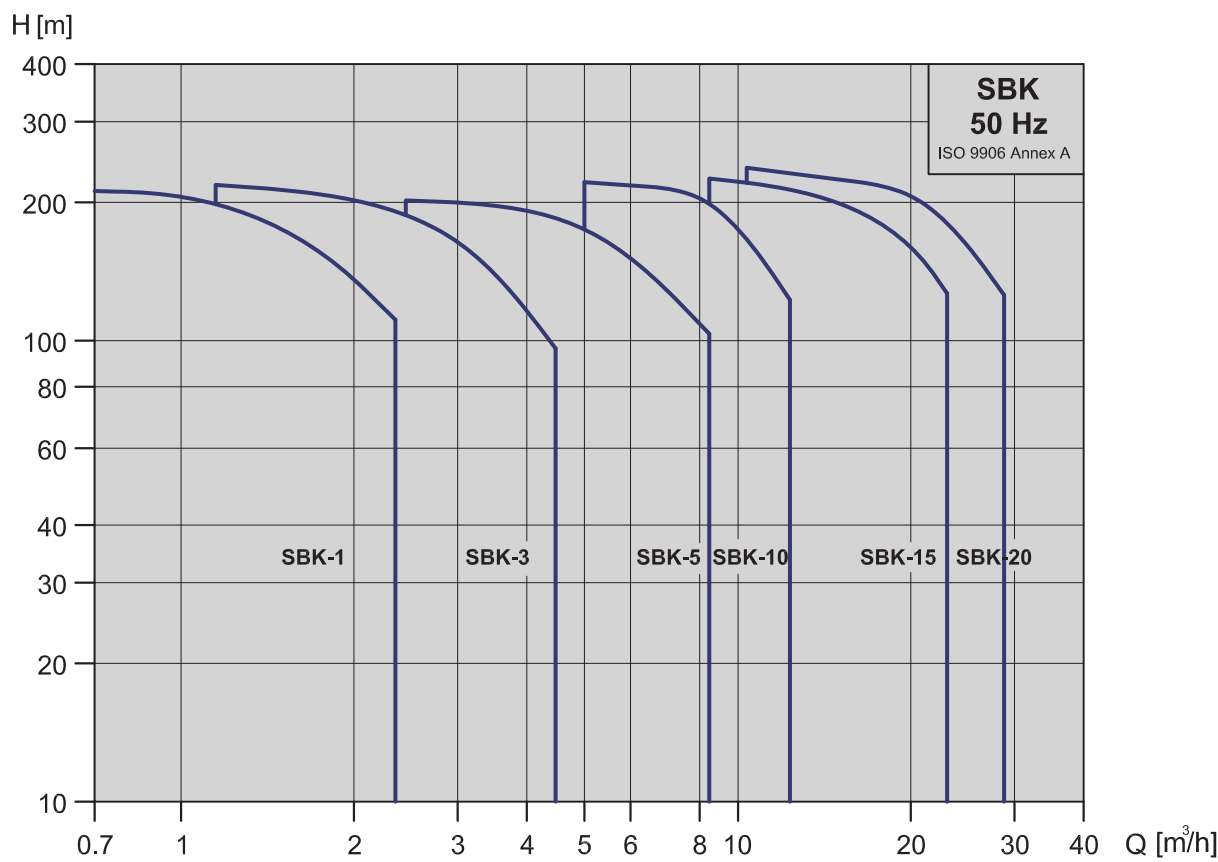
Pos.	Name	Material	Europe	AISI/ASTM
12	Chamber complete	Stainless steel	1.4301	AISI 304
18	Impeller	Stainless steel	1.4301	AISI 304
24	Neck ring	PTFE		
26	Priming screw	Stainless steel	1.4301	AISI 304
34	Strainer	Stainless steel	1.4301	AISI 304
36	Pump head	Cast Iron EN-GJL-220	0.6020	ASTM 25B
37	Pump shaft	Stainless steel	1.4057	AISI 431
43	Coupling			
57	Shaft seal	SUUV		

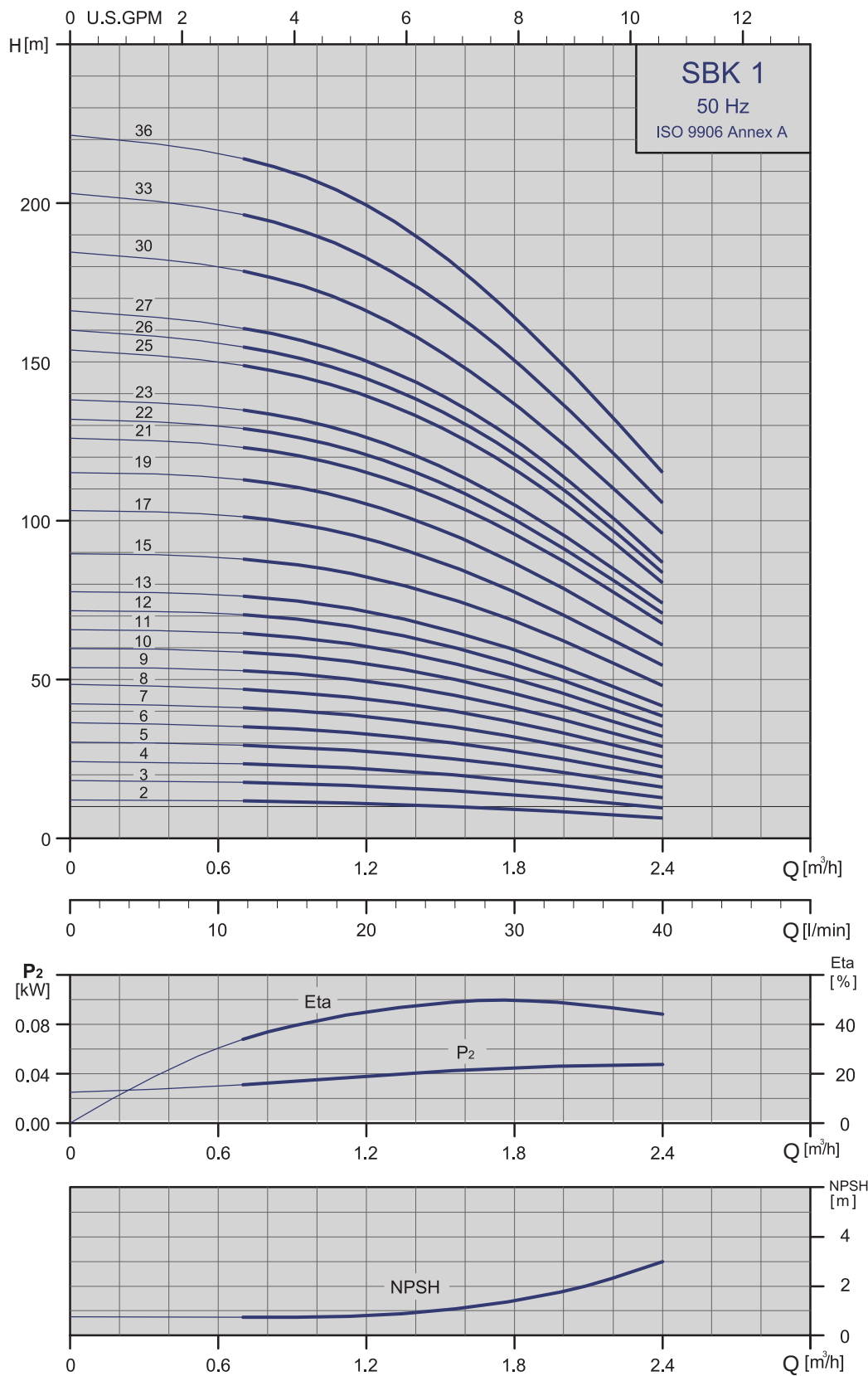
SBK 10,15,20

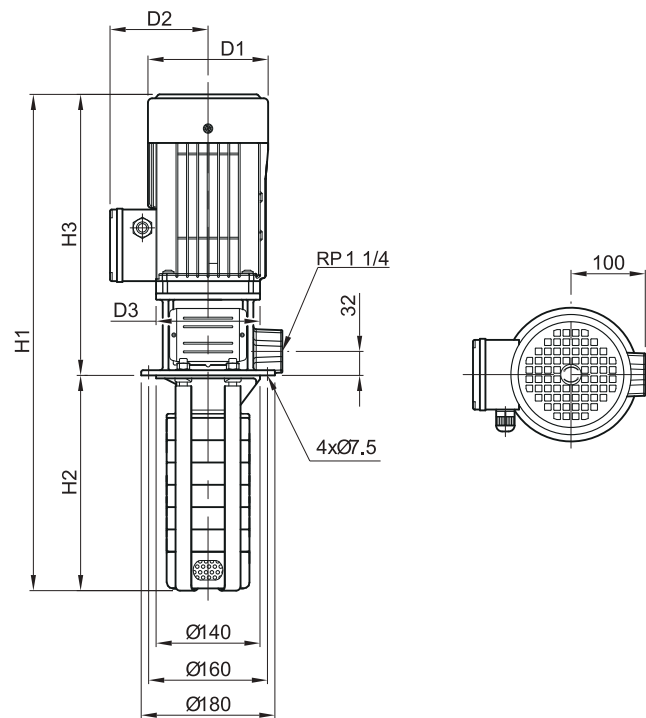


Pos.	Name	Material	Europe	AISI/ASTM
12	Chamber complete	Stainless steel	1.4301	AISI 304
14	Bearing ring	Sic		
18	Impeller	Stainless steel	1.4301	AISI 304
24	Neck ring	PTFE		
26	Priming screw	Stainless steel	1.4301	AISI 304
34	Strainer	Stainless steel	1.4301	AISI 304
36	Pump head	EN-GJL-200	0.6020	ASTM 25B
37	Pump shaft	Stainless steel	1.4057	AISI 431
43	Coupling			
50	Motor stool	EN-GJL-200	0.6020	ASTM 25B
57	Shaft seal	SUUV		

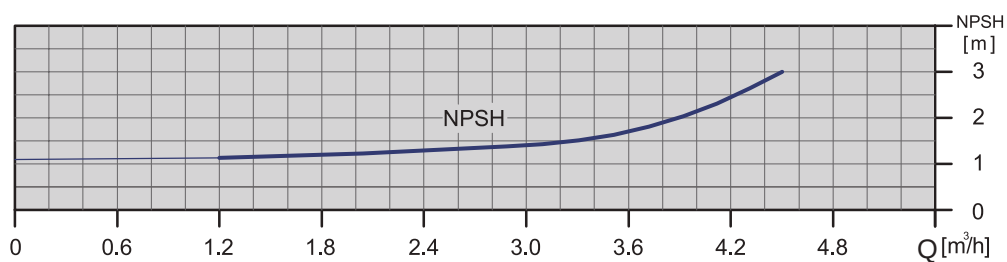
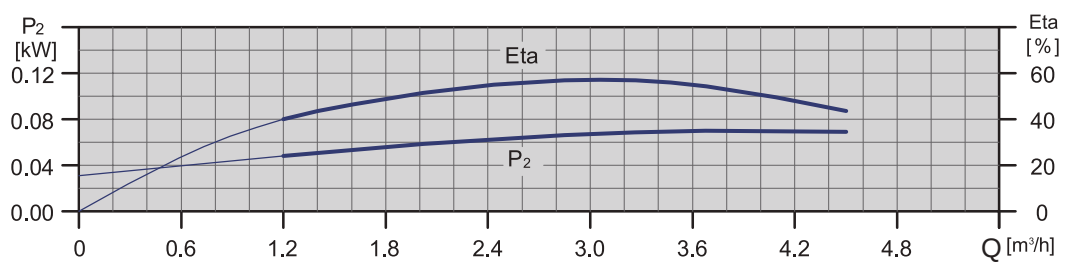
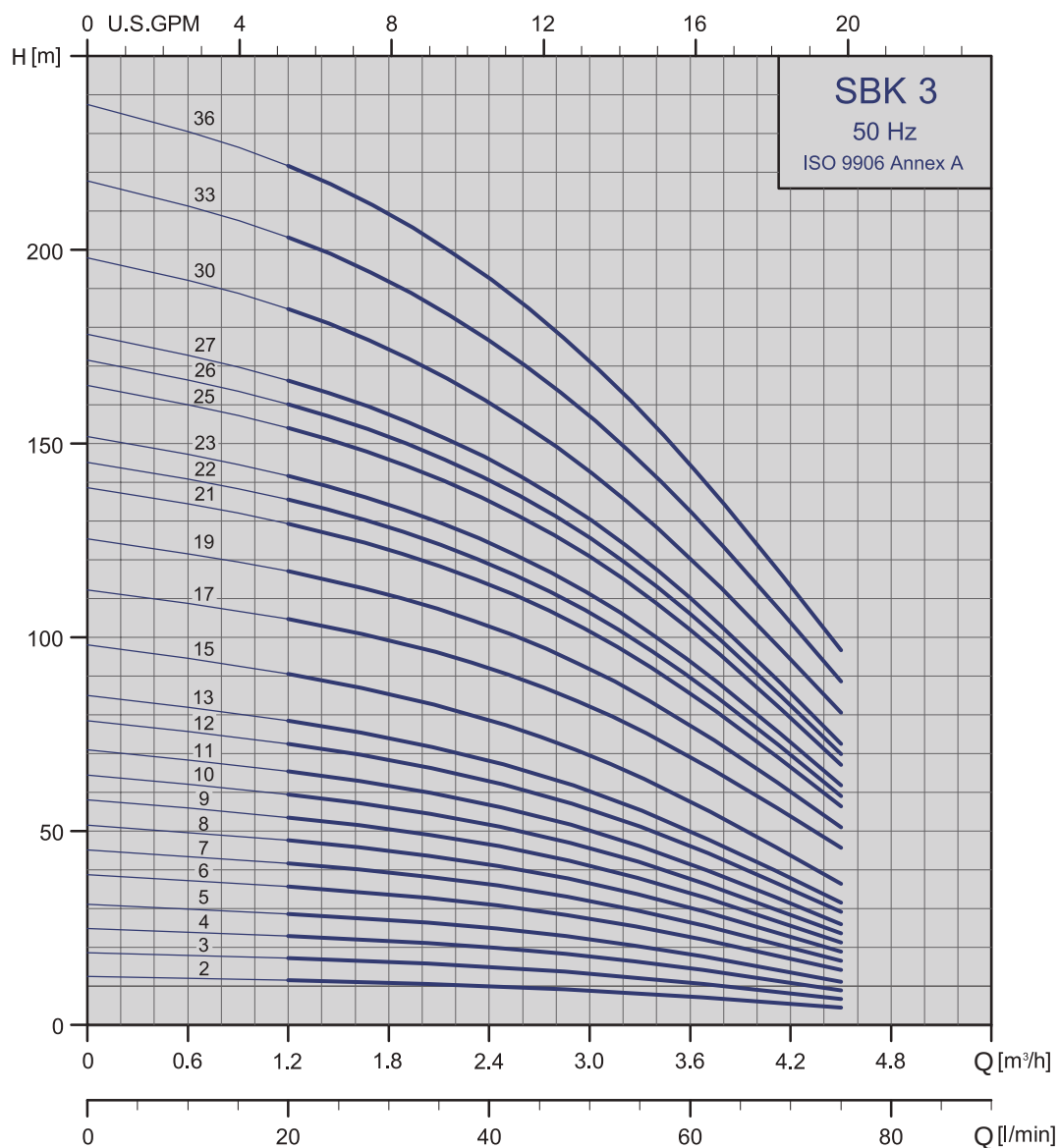
Performance Range SBK 1,3,5,10,15,20

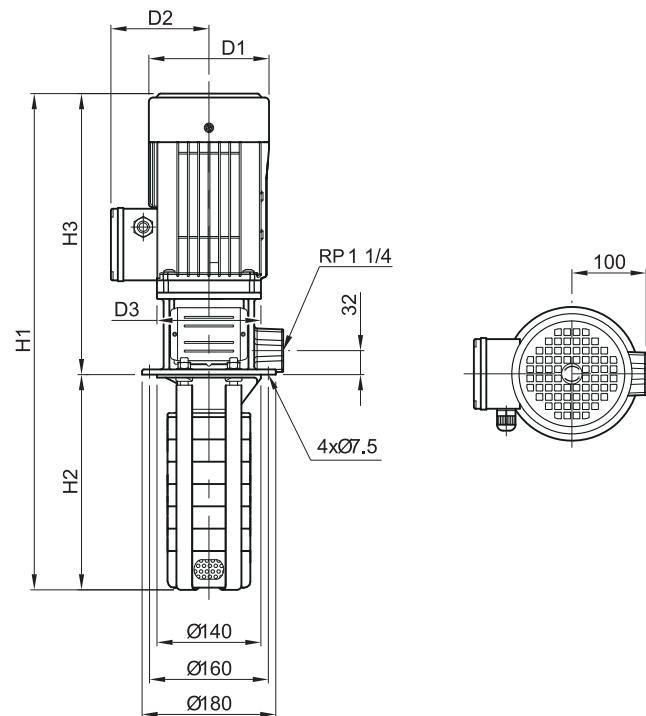




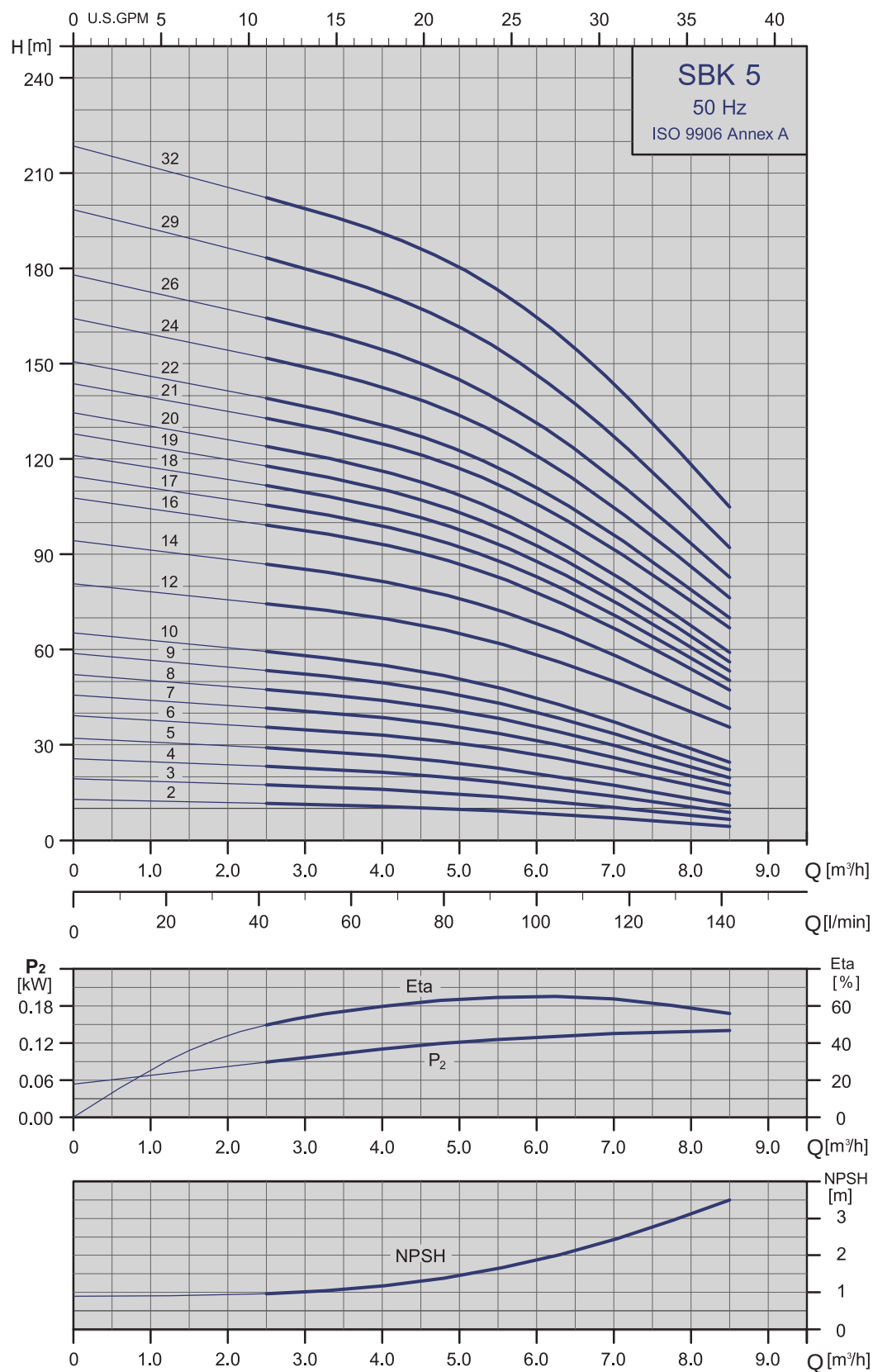


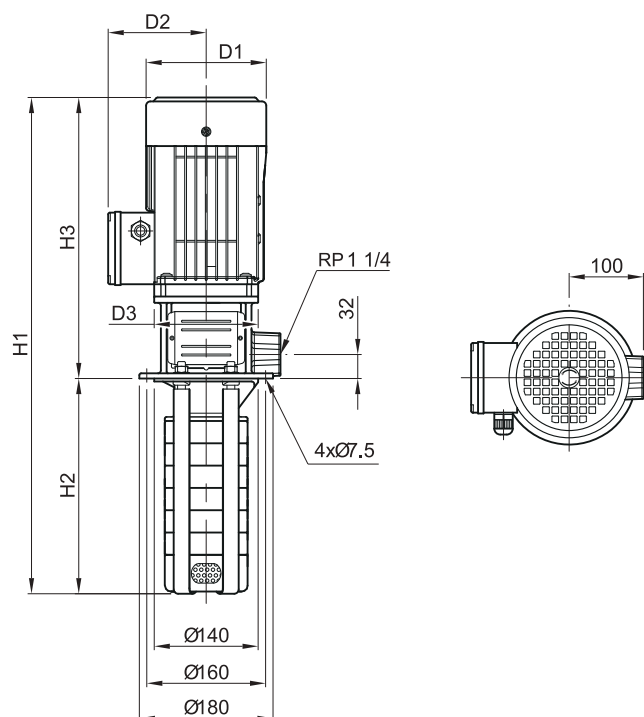
Pump Type	Motor P ₂		Dimension (mm)						Net Weight (kg)
	kW	HP	H1	H2	H3	D1	D2	D3	
SBK 1-2/2	0.37	0.5	465.4	160	305.4	141	115	140	12.1
SBK 1-3/3	0.37	0.5	483.4	178	305.4	141	115	140	12.3
SBK 1-4/4	0.37	0.5	501.4	196	305.4	141	115	140	12.5
SBK 1-5/5	0.37	0.5	519.4	214	305.4	141	115	140	12.7
SBK 1-6/6	0.37	0.5	537.4	232	305.4	141	115	140	13.0
SBK 1-7/7	0.37	0.5	555.4	250	305.4	141	115	140	13.2
SBK 1-8/8	0.55	0.75	573.4	268	305.4	141	115	140	13.9
SBK 1-9/9	0.55	0.75	591.4	286	305.4	141	115	140	14.2
SBK 1-10/10	0.55	0.75	609.4	304	305.4	141	115	140	14.4
SBK 1-11/11	0.55	0.75	627.4	322	305.4	141	115	140	14.6
SBK 1-12/12	0.75	1	685.4	340	345.4	141	115	140	16.5
SBK 1-13/13	0.75	1	703.4	358	345.4	141	115	140	16.7
SBK 1-15/15	0.75	1	739.4	394	345.4	141	115	140	17.1
SBK 1-17/17	1.1	1.5	775.4	430	345.4	141	115	140	18.7
SBK 1-19/19	1.1	1.5	811.4	466	345.4	141	115	140	19.2
SBK 1-21/21	1.1	1.5	847.4	502	345.4	141	115	140	19.6
SBK 1-22/22	1.1	1.5	865.4	520	345.4	141	115	140	19.9
SBK 1-23/23	1.1	1.5	883.4	538	345.4	141	115	140	20.1
SBK 1-25/25	1.5	2	975.4	574	401.4	177	141	140	27.8
SBK 1-26/26	1.5	2	993.4	592	401.4	177	141	140	28.0
SBK 1-27/27	1.5	2	1011.4	610	401.4	177	141	140	28.2
SBK 1-30/30	1.5	2	1065.4	664	401.4	177	141	140	28.9
SBK 1-33/33	2.2	3	1119.4	718	401.4	177	141	140	32.0
SBK 1-36/36	2.2	3	1173.4	772	401.4	177	141	140	32.7



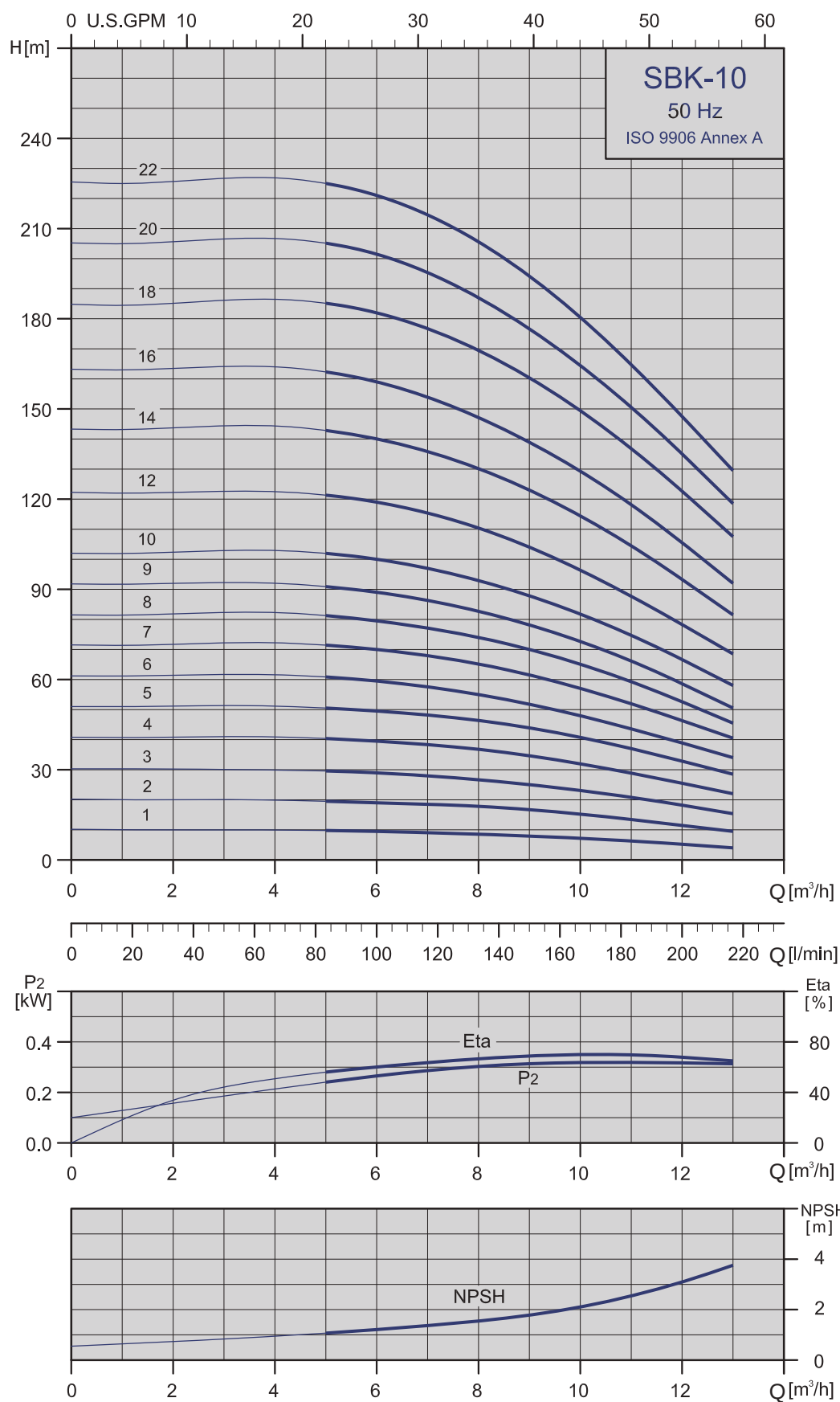


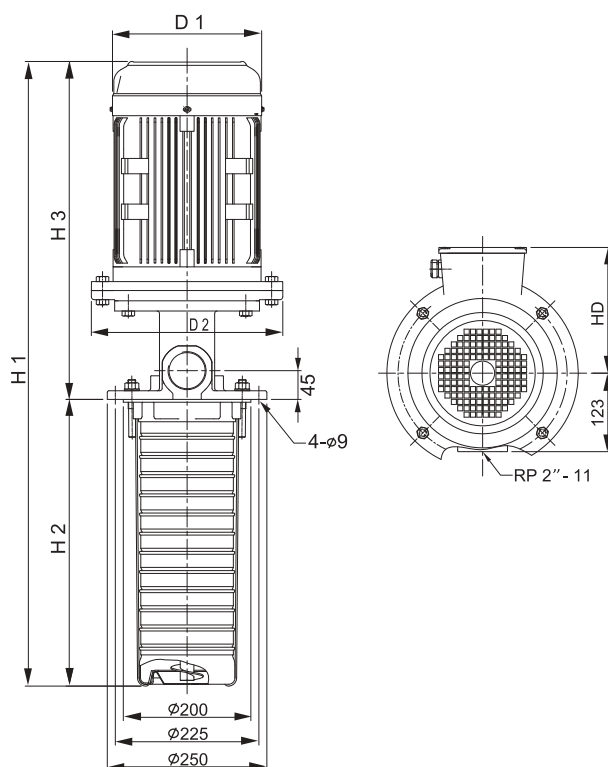
Pump Type	Motor P ₂		Dimension (mm)						Net Weight (kg)
	kW	HP	H1	H2	H3	D1	D2	D3	
SBK 3-2/2	0.37	0.5	465.4	160	305.4	141	115	140	12.1
SBK 3-3/3	0.37	0.5	483.4	178	305.4	141	115	140	12.3
SBK 3-4/4	0.37	0.5	501.4	196	305.4	141	115	140	12.5
SBK 3-5/5	0.37	0.5	519.4	214	305.4	141	115	140	12.7
SBK 3-6/6	0.55	0.75	537.4	232	305.4	141	115	140	13.5
SBK 3-7/7	0.55	0.75	555.4	250	305.4	141	115	140	13.7
SBK 3-8/8	0.75	1	613.4	268	345.4	141	115	140	15.5
SBK 3-9/9	0.75	1	631.4	286	345.4	141	115	140	15.8
SBK 3-10/10	0.75	1	649.4	304	345.4	141	115	140	16.0
SBK 3-11/11	0.75	1	667.4	322	345.4	141	115	140	16.2
SBK 3-12/12	1.1	1.5	685.4	340	345.4	141	115	140	17.6
SBK 3-13/13	1.1	1.5	703.4	358	345.4	141	115	140	17.8
SBK 3-15/15	1.1	1.5	739.4	394	345.4	141	115	140	18.3
SBK 3-17/17	1.5	2	831.4	430	401.4	177	141	140	25.9
SBK 3-19/19	1.5	2	867.4	466	401.4	177	141	140	26.4
SBK 3-21/21	2.2	3	903.4	502	401.4	177	141	140	29.3
SBK 3-22/22	2.2	3	921.4	520	401.4	177	141	140	29.5
SBK 3-23/23	2.2	3	939.4	538	401.4	177	141	140	29.7
SBK 3-25/25	2.2	3	975.4	574	401.4	177	141	140	30.2
SBK 3-26/26	2.2	3	993.4	592	401.4	177	141	140	30.4
SBK 3-27/27	2.2	3	1011.4	610	401.4	177	141	140	30.6
SBK 3-30/30	3	4	1095.9	664	431.9	197	147	160	36.5
SBK 3-33/33	3	4	1149.9	718	431.9	197	147	160	38.1
SBK 3-36/36	3	4	1203.9	772	431.9	197	147	160	38.8



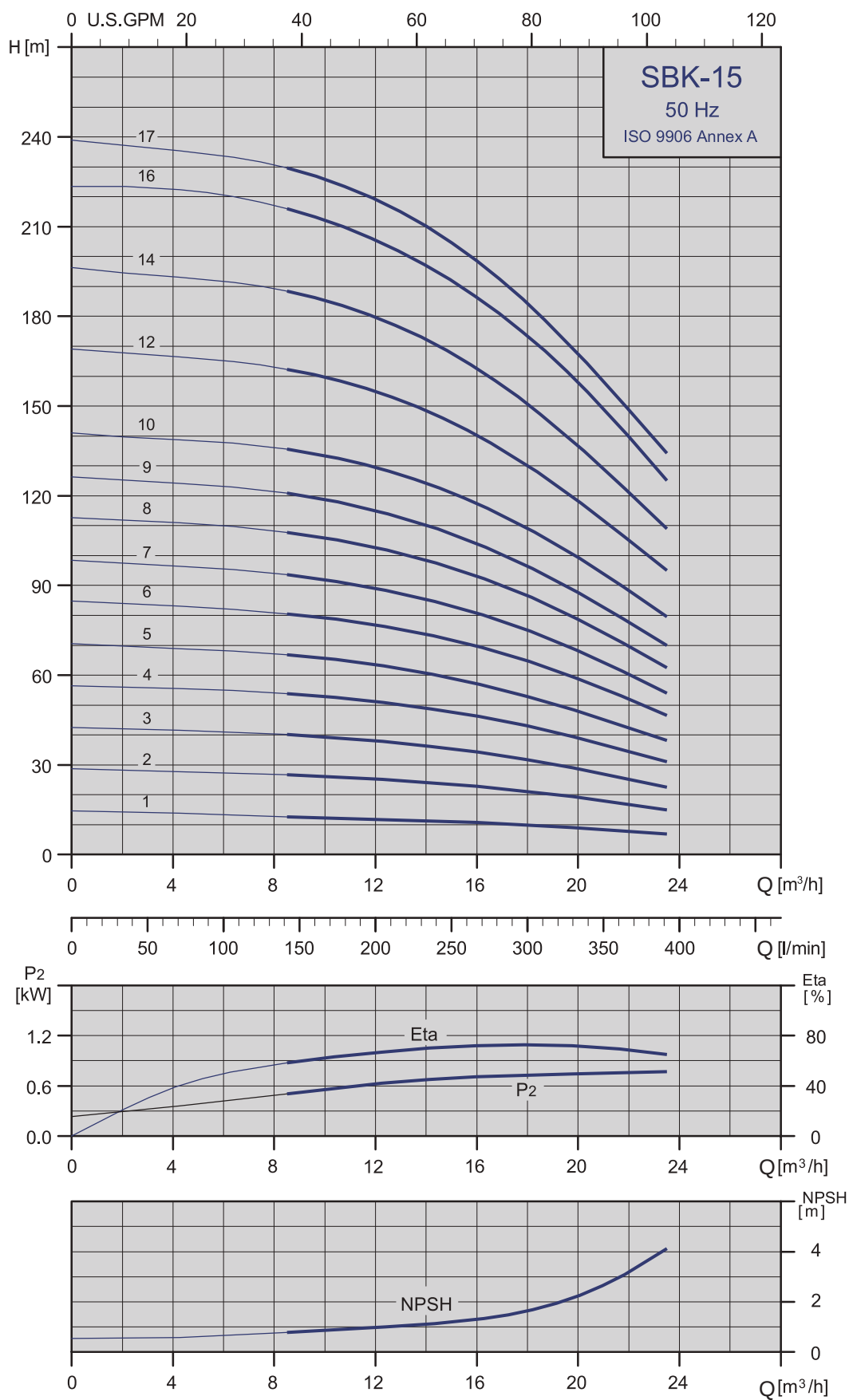


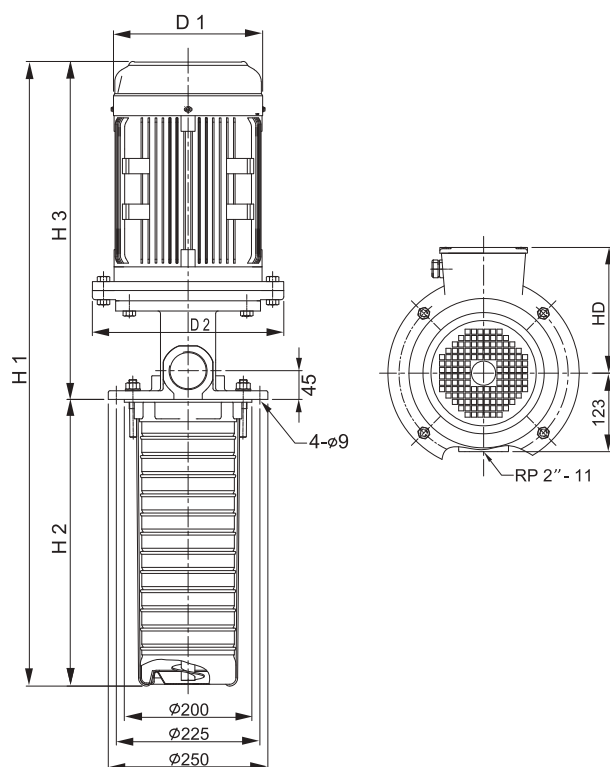
Pump Type	Motor P ₂		Dimension (mm)						Net Weight (kg)
	kW	HP	H1	H2	H3	D1	D2	D3	
SBK 5-2/2	0.37	0.5	474.4	169	305.4	141	115	140	12.2
SBK 5-3/3	0.55	0.75	501.4	196	305.4	141	115	140	13.1
SBK 5-4/4	0.55	0.75	528.4	223	305.4	141	115	140	13.4
SBK 5-5/5	0.75	1	595.4	250	345.4	141	115	140	15.4
SBK 5-6/6	1.1	1.5	622.4	277	345.4	141	115	140	16.9
SBK 5-7/7	1.1	1.5	649.4	304	345.4	141	115	140	17.3
SBK 5-8/8	1.1	1.5	676.4	331	345.4	141	115	140	17.6
SBK 5-9/9	1.5	2	759.4	358	401.4	177	141	140	25.8
SBK 5-10/10	1.5	2	786.4	385	401.4	177	141	140	26.1
SBK 5-12/12	2.2	3	840.4	439	401.4	177	141	140	28.9
SBK 5-14/14	2.2	3	894.4	493	401.4	177	141	140	29.3
SBK 5-16/16	2.2	3	948.4	547	401.4	177	141	140	29.6
SBK 5-17/17	3	4	1005.9	574	431.9	197	147	160	37.0
SBK 5-18/18	3	4	1032.9	601	431.9	197	147	160	37.4
SBK 5-19/19	3	4	1059.9	628	431.9	197	147	160	37.7
SBK 5-20/20	3	4	1086.9	655	431.9	197	147	160	38.1
SBK 5-21/21	3	4	1113.9	682	431.9	197	147	160	38.5
SBK 5-22/22	4	5.5	1150.9	709	441.9	220	161	160	45.3
SBK 5-24/24	4	5.5	1204.9	763	441.9	220	161	160	46.1
SBK 5-26/26	4	5.5	1258.9	817	441.9	220	161	160	46.8
SBK 5-29/29	4	5.5	1339.9	898	441.9	220	161	160	47.9
SBK 5-32/32	5.5	7.5	1485.9	979	506.9	235	197	300	70.3



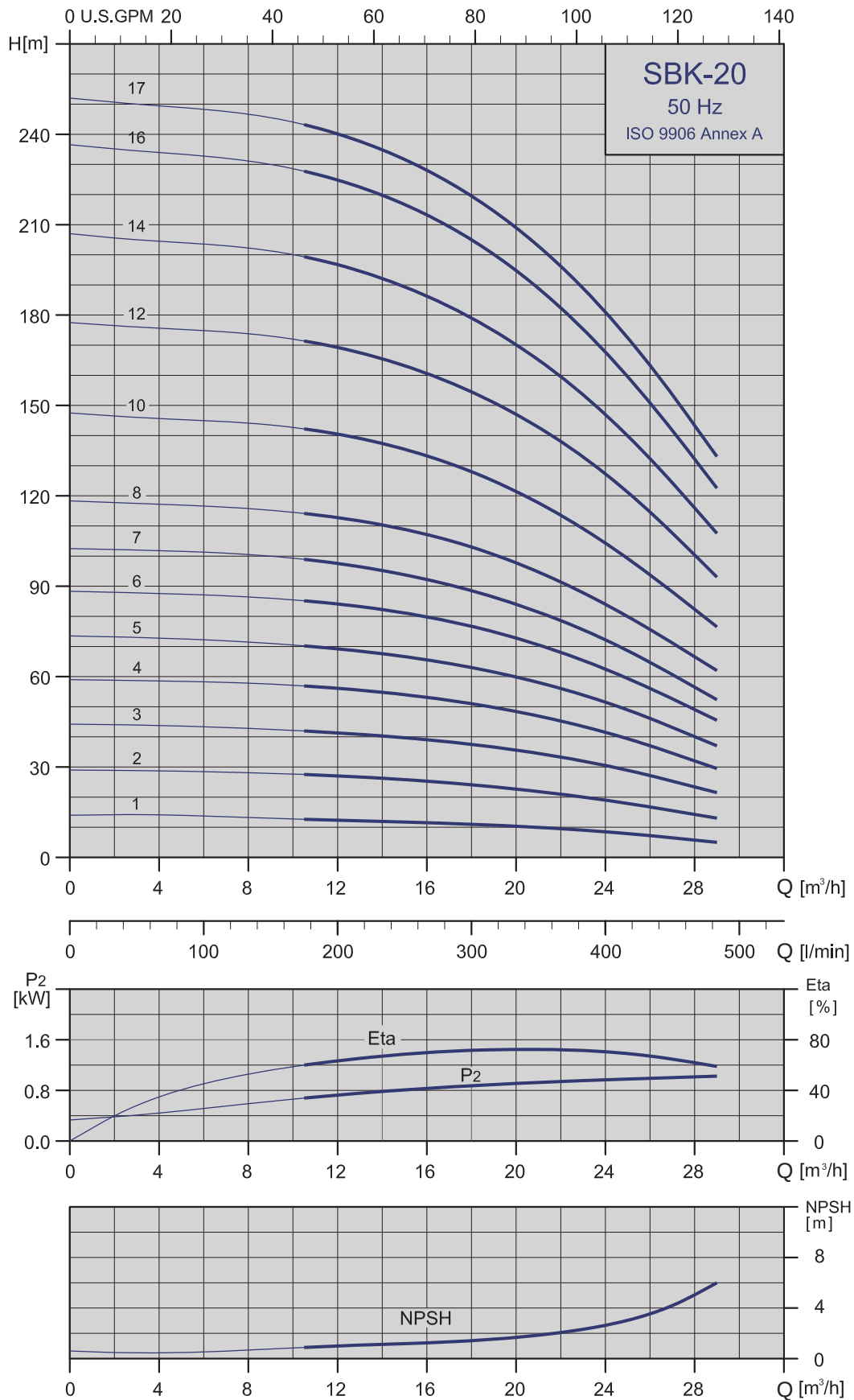


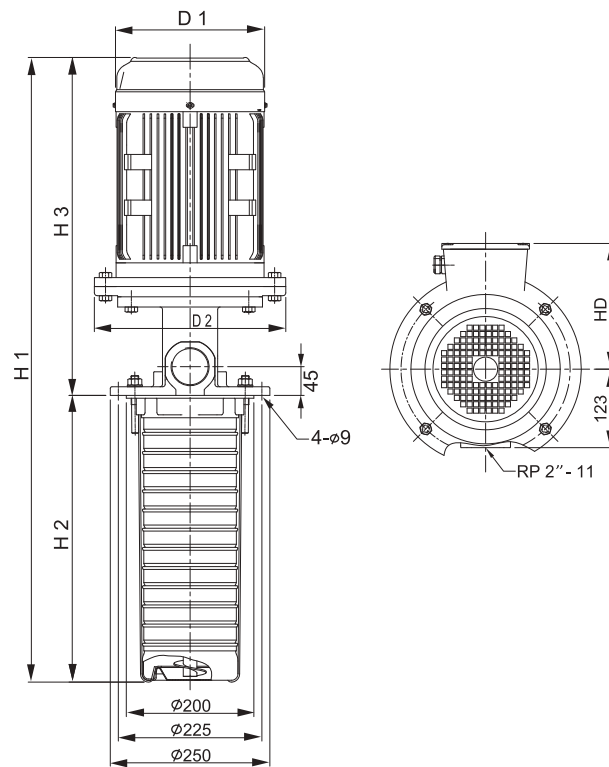
Pump Type	Motor P ₂		Dimension (mm)						Net Weight (kg)
	kW	HP	H1	H2	H3	D1	D2	HD	
SBK-10-2/1	0.75	1	523	148	375	141	140	115	21.7
SBK-10-2/2	0.75	1	523	148	375	141	140	115	21.8
SBK-10-3/3	1.1	1.5	553	178	375	141	140	115	23.7
SBK-10-4/4	1.5	2	639	208	431	177	140	141	32.2
SBK-10-5/5	2.2	3	669	238	431	177	140	141	35.4
SBK-10-6/6	2.2	3	699	268	431	177	140	141	36.1
SBK-10-7/7	3	4	755	298	457	197	160	147	42.6
SBK-10-8/8	3	4	785	328	457	197	160	147	43.3
SBK-10-9/9	3	4	815	358	457	197	160	147	44.2
SBK-10-10/10	4	5.5	855	388	467	220	160	161	51.4
SBK-10-12/12	4	5.5	915	448	467	220	160	161	52.9
SBK-10-14/14	5.5	7.5	1041	508	533	235	300	197	79.0
SBK-10-16/16	5.5	7.5	1101	568	533	235	300	197	80.5
SBK-10-18/18	7.5	10	1197	628	569	235	300	197	90.4
SBK-10-20/20	7.5	10	1257	688	569	235	300	197	91.9
SBK-10-22/22	7.5	10	1317	748	569	235	300	197	93.4





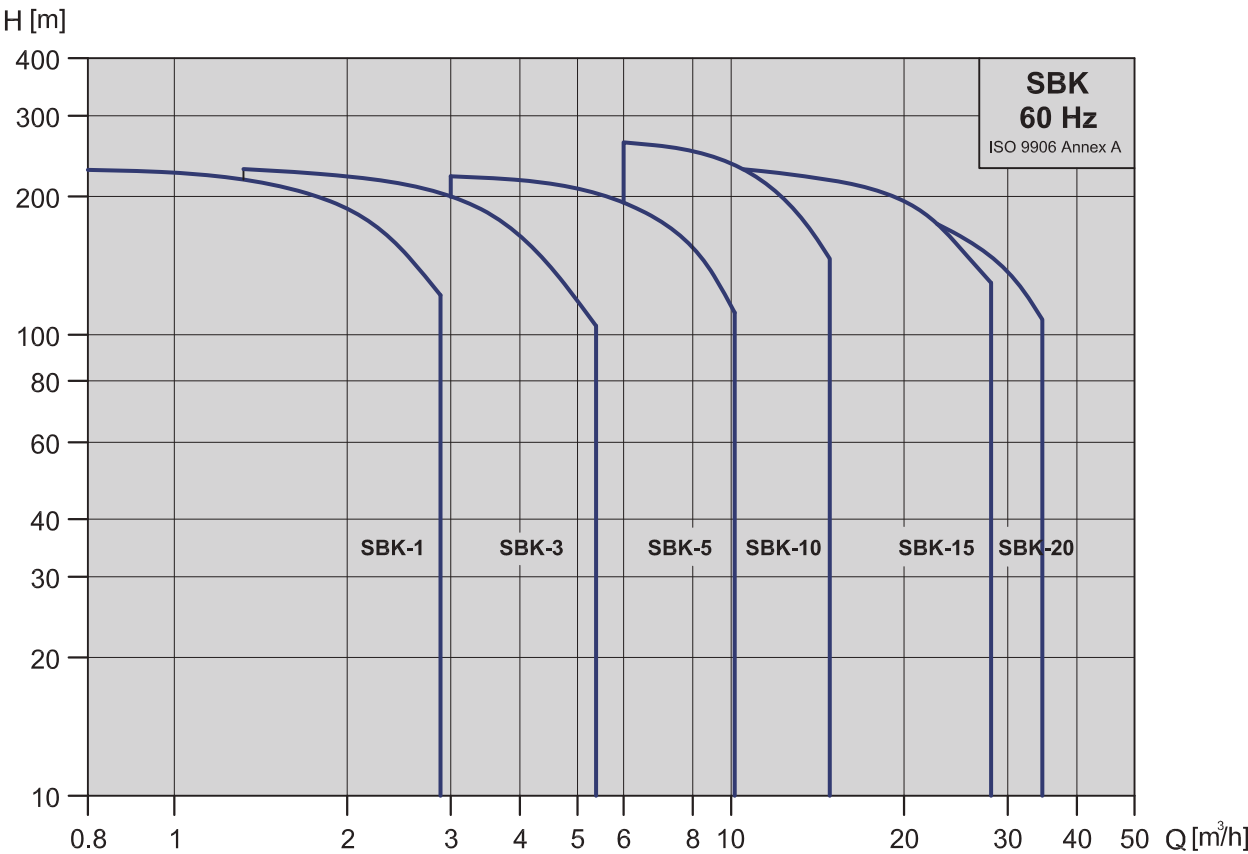
Pump Type	Motor P ₂		Dimension (mm)						Net Weight (kg)
	kW	HP	H1	H2	H3	D1	D2	HD	
SBK-15-2/1	1.1	1.5	553	178	375	141	140	115	23.6
SBK-15-2/2	2.2	3	609	178	431	177	140	141	34.1
SBK-15-3/3	3	4	680	223	457	197	160	147	37.2
SBK-15-4/4	4	5.5	735	268	467	220	160	161	45.3
SBK-15-5/5	4	5.5	780	313	467	220	160	161	49.2
SBK-15-6/6	5.5	7.5	891	358	533	235	300	197	74.8
SBK-15-7/7	5.5	7.5	936	403	533	235	300	197	75.8
SBK-15-8/8	7.5	10	1017	448	569	235	300	197	85.2
SBK-15-9/9	7.5	10	1062	493	569	235	300	197	86.2
SBK-15-10/10	11	15	1243	538	705	318	352	245	117.2
SBK-15-12/12	11	15	1333	628	705	318	352	245	119.2
SBK-15-14/14	11	15	1423	718	705	318	352	245	121.3
SBK-15-16/16	15	20	1518	808	710	318	352	245	133.8
SBK-15-17/17	15	20	1563	853	710	318	352	245	134.9

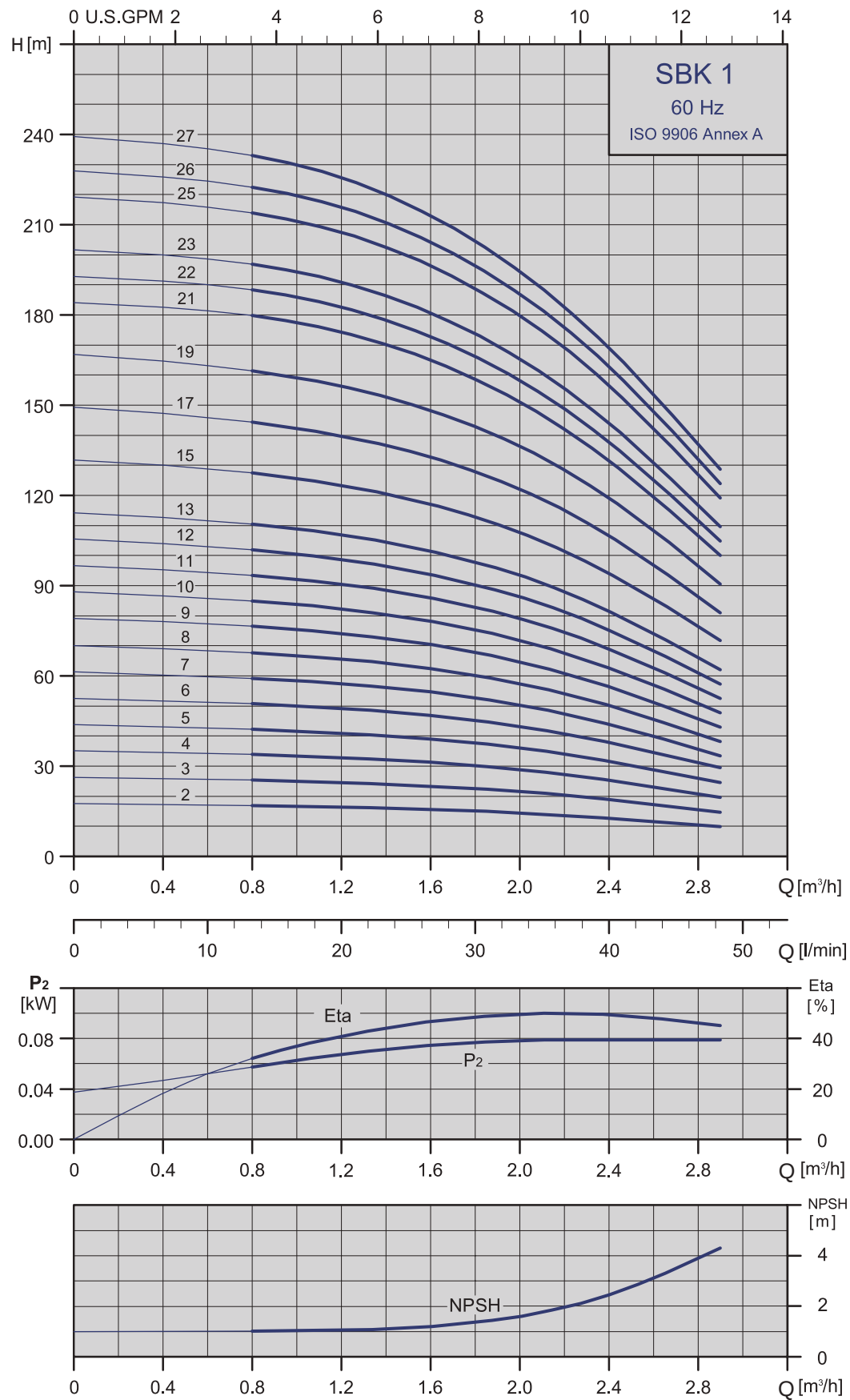


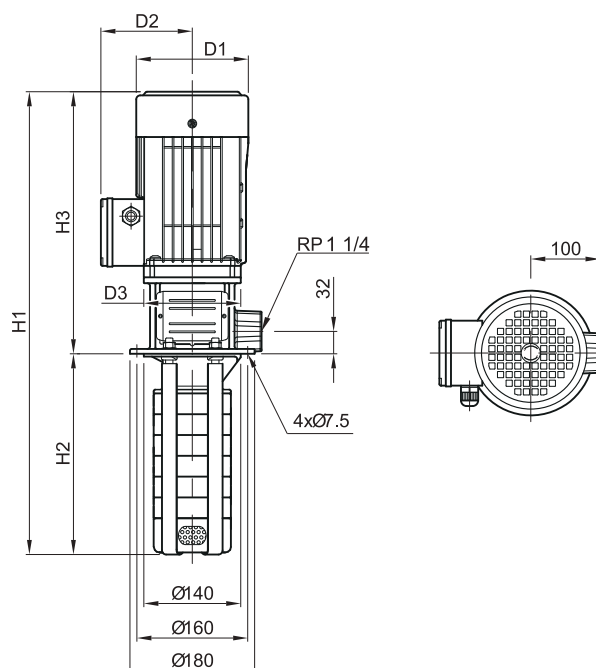


Pump Type	Motor P ₂		Dimension (mm)						Net Weight (kg)
	kW	HP	H1	H2	H3	D1	D2	HD	
SBK-20-2/1	1.1	1.5	553	178	375	141	140	115	23.6
SBK-20-2/2	2.2	3	609	178	431	177	140	141	34.1
SBK-20-3/3	4	5	690	223	467	220	160	161	47.3
SBK-20-4/4	5.5	7.5	801	268	533	235	300	197	72.8
SBK-20-5/5	5.5	7.5	846	313	533	235	300	197	73.8
SBK-20-6/6	7.5	10	927	358	569	235	300	197	83.2
SBK-20-7/7	7.5	10	972	403	569	235	300	197	84.2
SBK-20-8/8	11	15	1153	448	705	318	352	245	115.3
SBK-20-10/10	11	15	1243	538	705	318	352	245	117.2
SBK-20-12/12	15	20	1338	628	710	318	352	245	129.8
SBK-20-14/14	15	20	1428	718	710	318	352	245	131.8
SBK-20-16/16	18.5	25	1558	808	750	318	352	245	162.7
SBK-20-17/17	18.5	25	1603	853	750	318	352	245	163.7

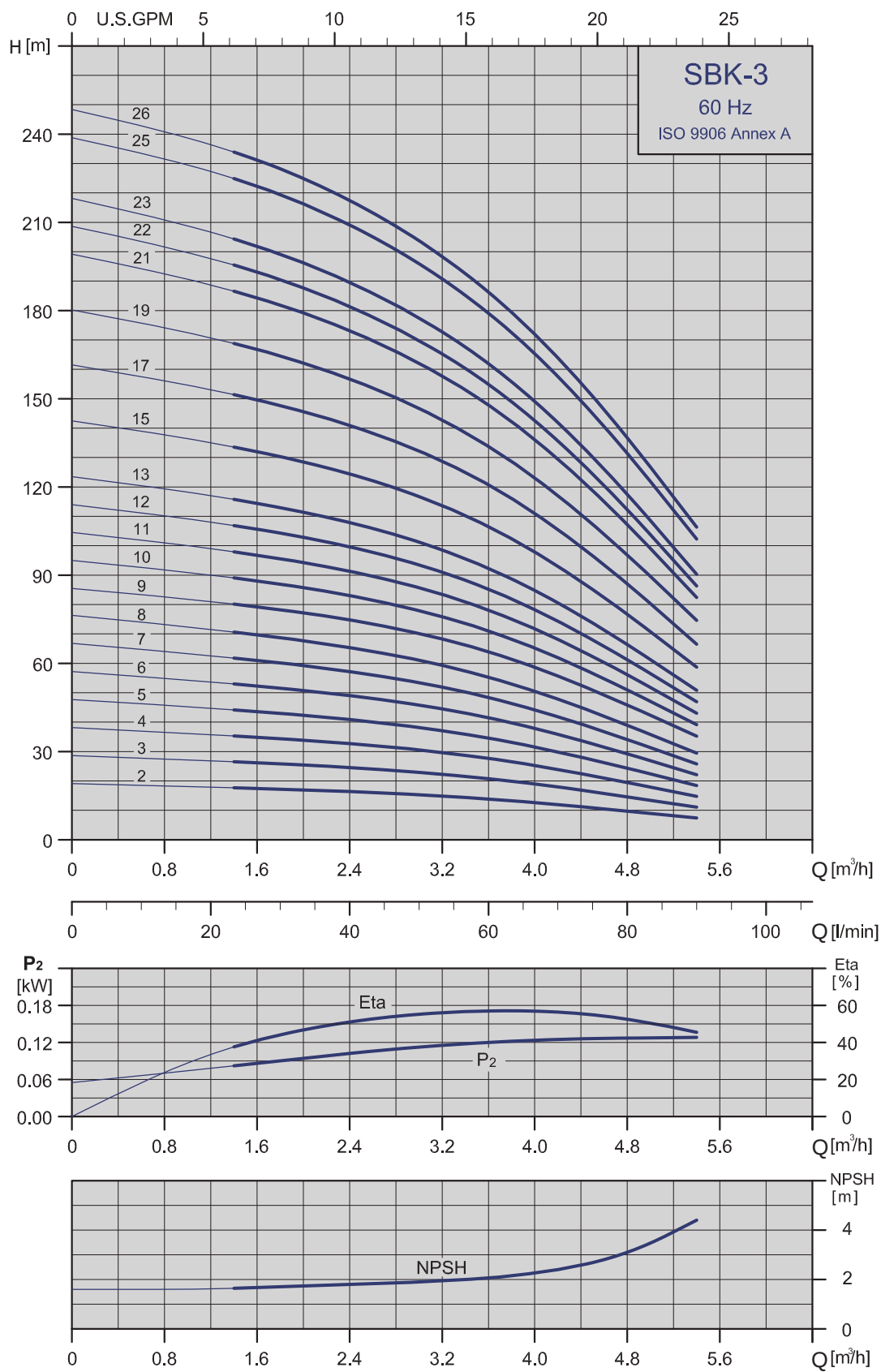
Performance Range SBK 1,3,5,10,15,20

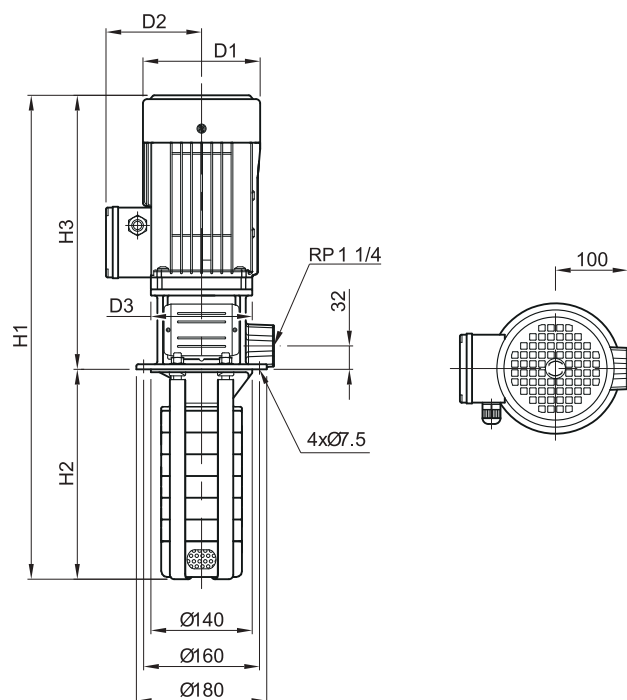




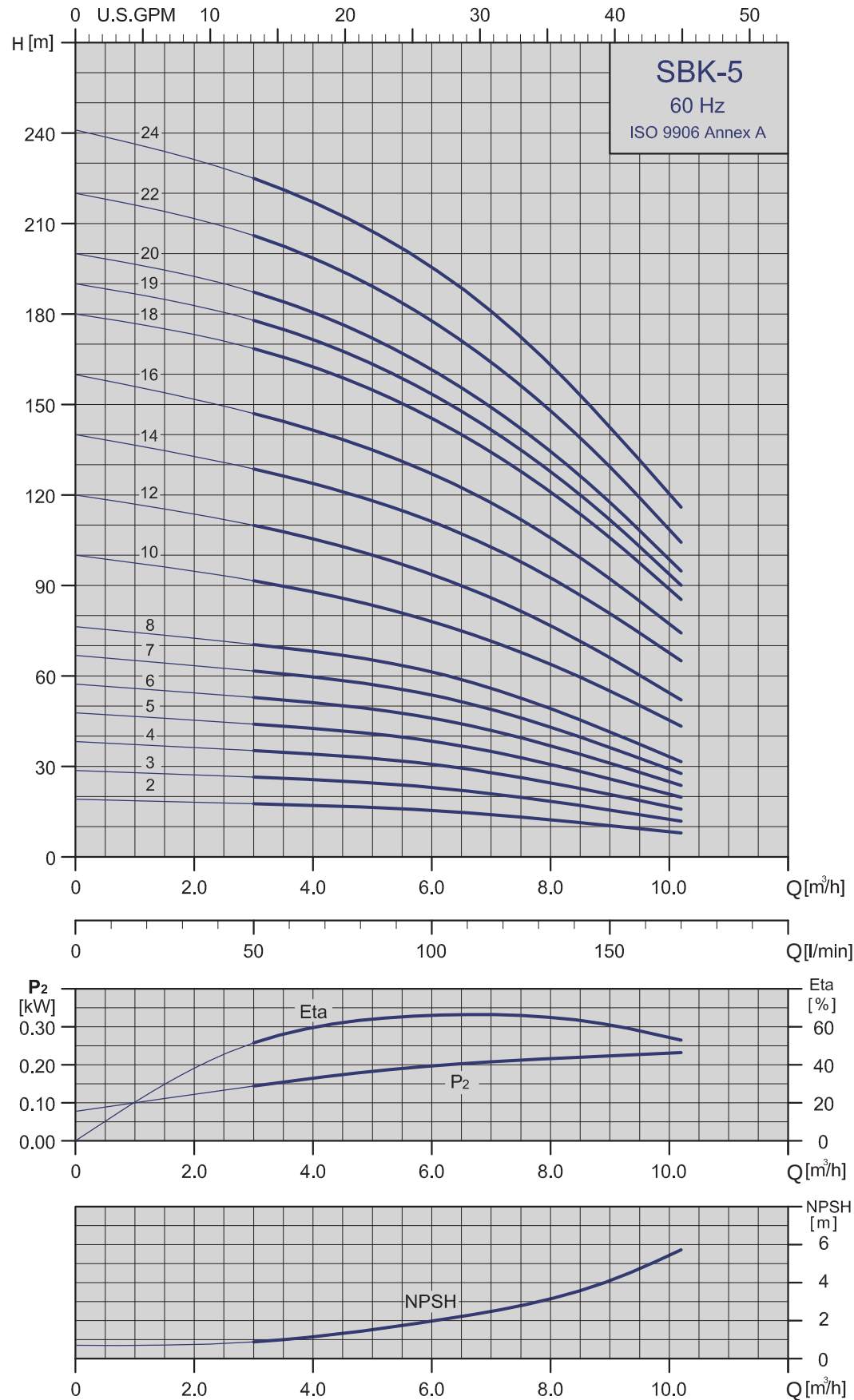


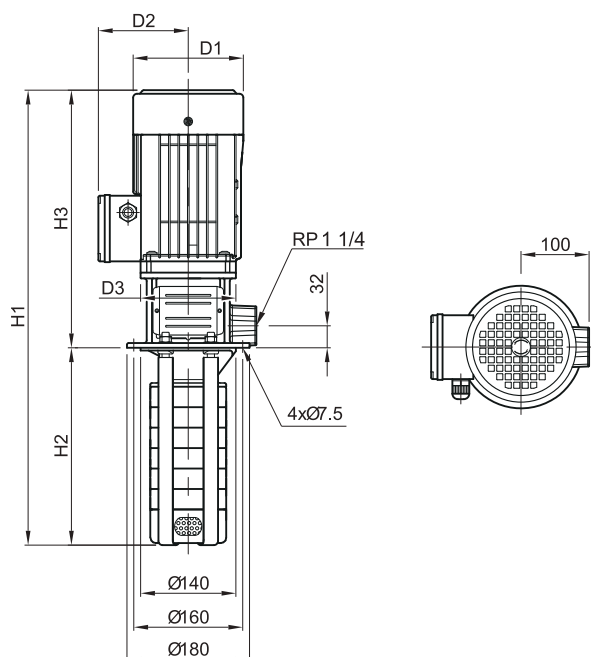
Pump Type	Motor P ₂		Dimension (mm)						Net Weight (kg)
	kW	HP	H1	H2	H3	D1	D2	D3	
SBK 1-2/2	0.37	0.5	465.4	160	305.4	141	115	140	12.1
SBK 1-3/3	0.37	0.5	483.4	178	305.4	141	115	140	12.3
SBK 1-4/4	0.37	0.5	501.4	196	305.4	141	115	140	12.5
SBK 1-5/5	0.55	0.75	519.4	214	305.4	141	115	140	13.2
SBK 1-6/6	0.55	0.75	537.4	232	305.4	141	115	140	13.5
SBK 1-7/7	0.75	1	595.4	250	345.4	141	115	140	15.3
SBK 1-8/8	0.75	1	613.4	268	345.4	141	115	140	15.5
SBK 1-9/9	0.75	1	631.4	286	345.4	141	115	140	15.7
SBK 1-10/10	1.1	1.5	649.4	304	345.4	141	115	140	17.1
SBK 1-11/11	1.1	1.5	667.4	322	345.4	141	115	140	17.3
SBK 1-12/12	1.1	1.5	685.4	340	345.4	141	115	140	17.6
SBK 1-13/13	1.1	1.5	703.4	358	345.4	141	115	140	17.8
SBK 1-15/15	1.5	2	795.4	394	401.4	177	141	140	25.8
SBK 1-17/17	1.5	2	831.4	430	401.4	177	141	140	26.2
SBK 1-19/19	2.2	3	867.4	466	401.4	177	141	140	29.1
SBK 1-21/21	2.2	3	903.4	502	401.4	177	141	140	29.5
SBK 1-22/22	2.2	3	921.4	520	401.4	177	141	140	29.8
SBK 1-23/23	2.2	3	939.4	538	401.4	177	141	140	30.0
SBK 1-25/25	2.2	3	975.4	574	401.4	177	141	140	30.2
SBK 1-26/26	3	4	1023.9	592	431.9	197	147	160	35.6
SBK 1-27/27	3	4	1041.9	610	431.9	197	147	160	35.8



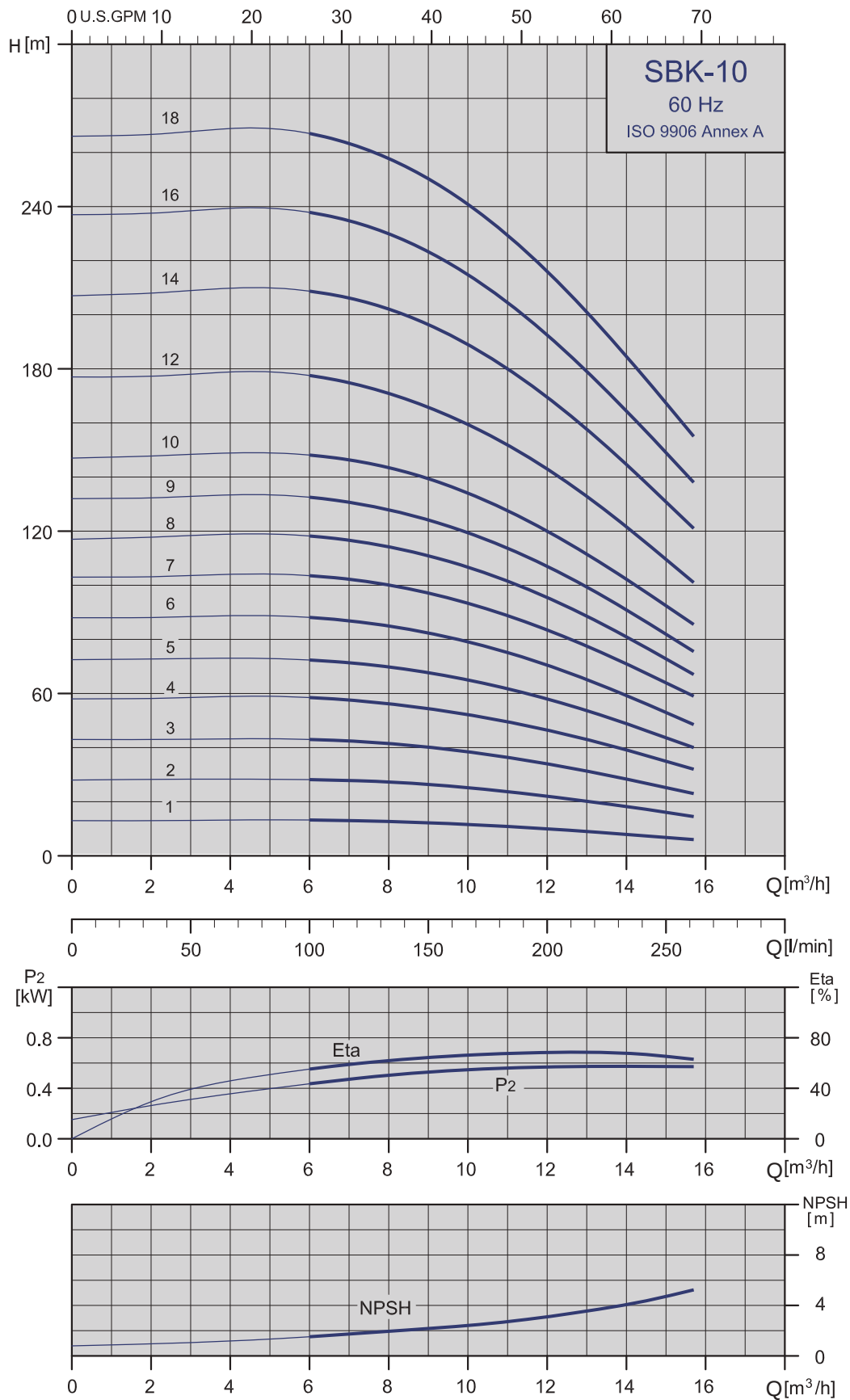


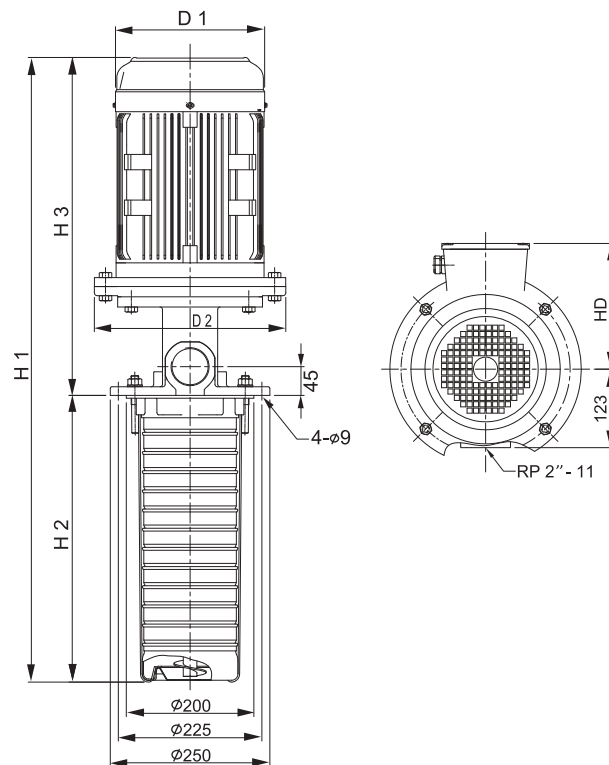
Pump Type	Motor P ₂		Dimension (mm)						Net Weight (kg)
	kW	HP	H1	H2	H3	D1	D2	D3	
SBK 3-2/2	0.37	0.5	465.4	160	305.4	141	115	140	12.1
SBK 3-3/3	0.55	0.75	483.4	178	305.4	141	115	140	12.8
SBK 3-4/4	0.55	0.75	501.4	196	305.4	141	115	140	13.0
SBK 3-5/5	0.75	1	559.4	214	345.4	141	115	140	14.8
SBK 3-6/6	1.1	1.5	577.4	232	345.4	141	115	140	16.1
SBK 3-7/7	1.1	1.5	595.4	250	345.4	141	115	140	16.4
SBK 3-8/8	1.1	1.5	613.4	268	345.4	141	115	140	16.6
SBK 3-9/9	1.5	2	687.4	286	401.4	177	141	140	24.4
SBK 3-10/10	1.5	2	705.4	304	401.4	177	141	140	24.7
SBK 3-11/11	1.5	2	723.4	322	401.4	177	141	140	24.9
SBK 3-12/12	2.2	3	741.4	340	401.4	177	141	140	27.5
SBK 3-13/13	2.2	3	759.4	358	401.4	177	141	140	27.8
SBK 3-15/15	2.2	3	795.4	394	401.4	177	141	140	28.2
SBK 3-17/17	2.2	3	831.4	430	401.4	177	141	140	28.3
SBK 3-19/19	3	4	897.9	466	431.9	197	147	160	34.6
SBK 3-21/21	3	4	933.9	502	431.9	197	147	160	35.0
SBK 3-22/22	3	4	951.9	520	431.9	197	147	160	35.3
SBK 3-23/23	3	4	969.9	538	431.9	197	147	160	35.5
SBK 3-25/25	4	5.5	1015.9	574	441.9	220	161	160	42.4
SBK 3-26/26	4	5.5	1033.9	592	441.9	220	161	160	42.7



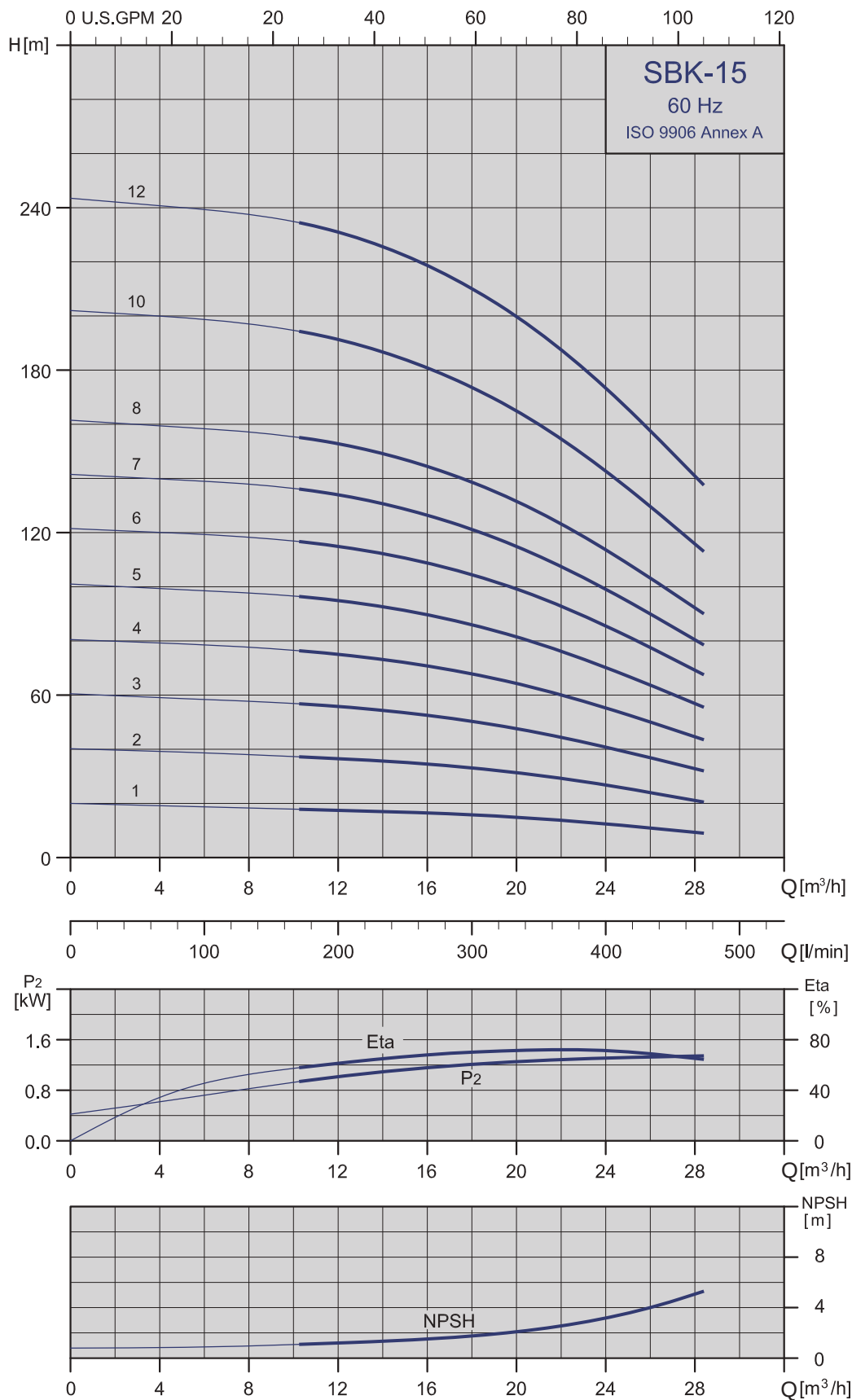


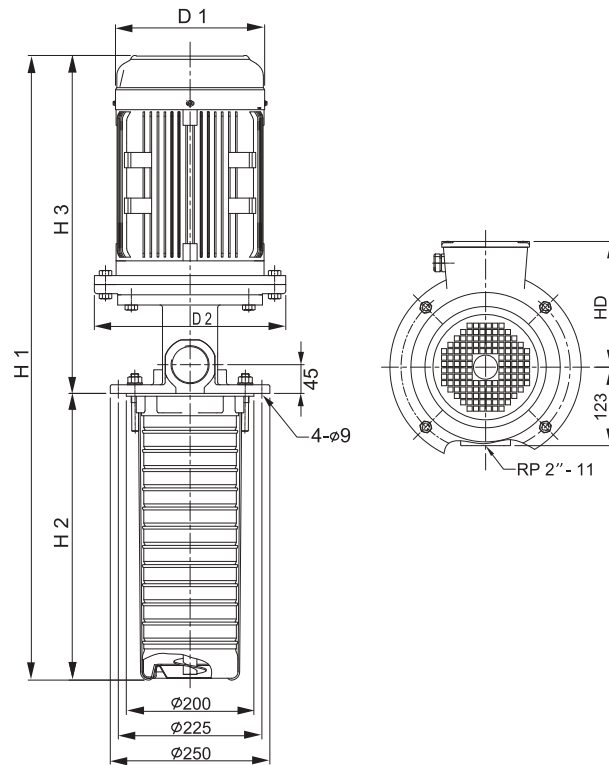
Pump Type	Motor P ₂		Dimension (mm)						Net Weight (kg)
	kW	HP	H1	H2	H3	D1	D2	D3	
SBK 5-2/2	0.55	0.75	474.4	169	305.4	141	115	140	12.7
SBK 5-3/3	1.1	1.5	541.4	196	345.4	141	115	140	15.7
SBK 5-4/4	1.1	1.5	568.4	223	345.4	141	115	140	16.1
SBK 5-5/5	1.5	2	651.4	250	401.4	177	141	140	24.1
SBK 5-6/6	2.2	3	678.4	277	401.4	171	141	140	26.8
SBK 5-7/7	2.2	3	705.4	304	401.4	171	141	140	27.2
SBK 5-8/8	2.2	3	732.4	331	401.4	171	141	140	27.6
SBK 5-10/10	3	4	816.9	385	431.9	197	147	160	34.3
SBK 5-12/12	3	4	870.9	439	431.9	197	147	160	34.7
SBK 5-14/14	4	5.5	934.9	493	441.9	220	161	160	41.5
SBK 5-16/16	4	5.5	988.9	547	441.9	220	161	160	41.9
SBK 5-18/18	5.5	7.5	1107.9	601	506.9	235	197	300	65.1
SBK 5-19/19	5.5	7.5	1134.9	628	506.9	235	197	300	65.5
SBK 5-20/20	5.5	7.5	1161.9	655	506.9	235	197	300	65.9
SBK 5-22/22	5.5	7.5	1215.9	709	506.9	235	197	300	66.6
SBK 5-24/24	7.5	10	1305.9	763	542.9	235	197	300	75.7



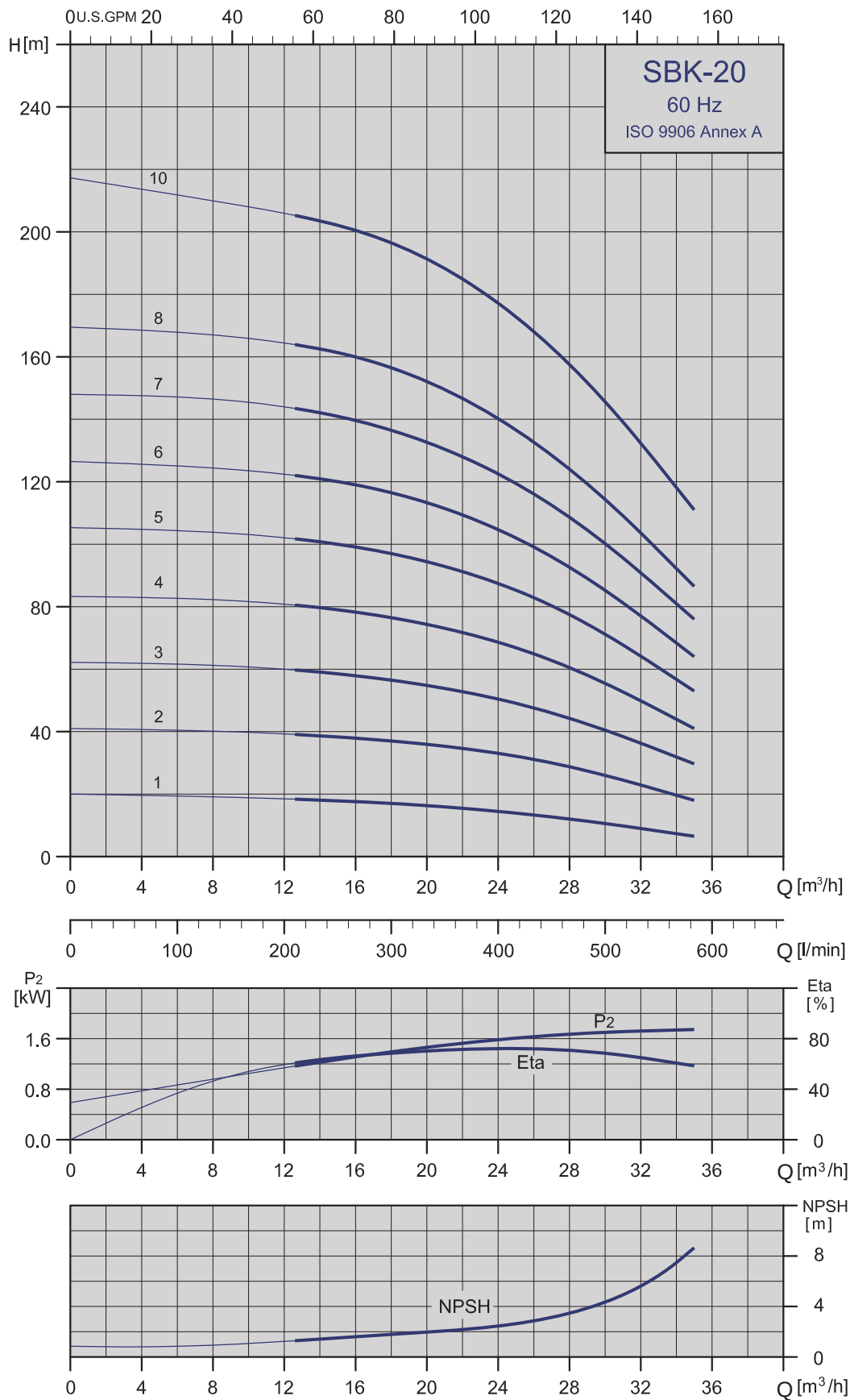


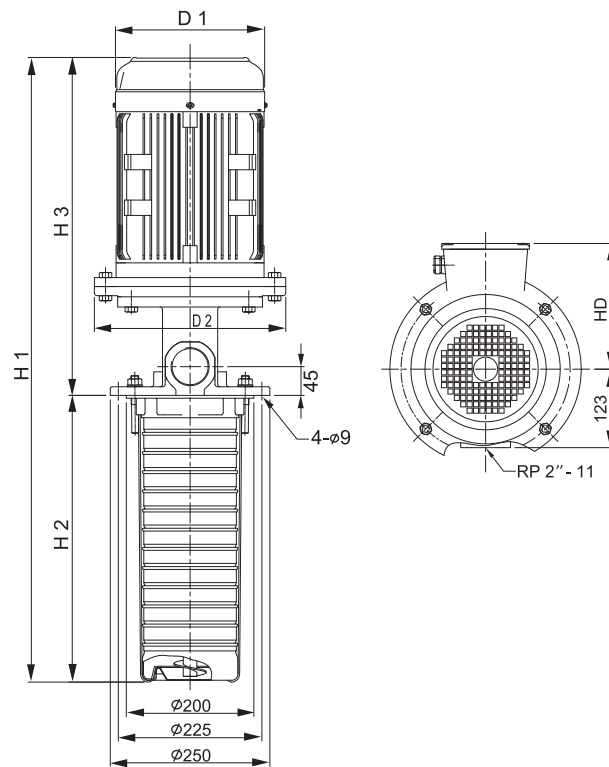
Pump Type	Motor P ₂		Dimension (mm)						Net Weight (kg)
	kW	HP	H1	H2	H3	D1	D2	HD	
SBK-10-2/1	0.75	1	523	148	375	141	140	115	21.7
SBK-10-2/2	1.5	2	579	148	431	177	140	141	30.7
SBK-10-3/3	2.2	3	609	178	431	177	140	141	33.6
SBK-10-4/4	3	4	665	208	457	197	160	147	40.3
SBK-10-5/5	3	4	695	238	457	197	160	147	41.1
SBK-10-6/6	4	5.5	735	268	467	220	160	161	48.3
SBK-10-7/7	5.5	7.5	831	298	533	235	300	197	65.5
SBK-10-8/8	5.5	7.5	861	328	533	235	300	197	74.4
SBK-10-9/9	5.5	7.5	891	358	533	235	300	197	75.2
SBK-10-10/10	7.5	10	957	388	569	235	300	197	84.4
SBK-10-12/12	7.5	10	1017	448	569	235	300	197	85.8
SBK-10-14/14	11	15	1213	508	705	318	352	245	117.4
SBK-10-16/16	11	15	1273	568	705	318	352	245	118.9
SBK-10-18/18	11	15	1333	628	705	318	352	245	120.4
SBK-10-20/18	11	15	1393	688	705	318	352	245	121.2
SBK-10-22/18	11	15	1453	748	705	318	352	245	122.0





Pump Type	Motor P ₂		Dimension (mm)						Net Weight (kg)
	kW	HP	H1	H2	H3	D1	D2	HD	
SBK-15-2/1	1.5	2	609	178	431	177	140	141	31.5
SBK-15-2/2	3	4	635	178	457	197	160	147	36.2
SBK-15-3/3	4	5.5	690	223	467	220	160	161	47.2
SBK-15-4/4	5.5	7.5	801	268	533	235	300	197	72.8
SBK-15-5/5	7.5	10	882	313	569	235	300	197	82.2
SBK-15-6/6	11	15	1063	358	705	318	352	245	113.3
SBK-15-7/7	11	15	1108	403	705	318	352	245	114.3
SBK-15-8/8	11	15	1153	448	705	318	352	245	115.3
SBK-15-10/10	15	20	1248	538	710	318	352	245	127.8
SBK-15-12/12	18.5	25	1378	628	750	318	352	245	158.7
SBK-15-14/12	18.5	25	1468	718	750	318	352	245	159.8
SBK-15-16/12	18.5	25	1558	808	750	318	352	245	161.0
SBK-15-17/12	18.5	25	1603	853	750	318	352	245	161.6





Pump Type	Motor P ₂		Dimension (mm)						Net Weight (kg)
	kW	HP	H1	H2	H3	D1	D2	HD	
SBK-20-2/1	2.2	3	609	178	431	177	140	141	33.9
SBK-20-2/2	4	5.5	645	178	467	220	160	161	46.3
SBK-20-3/3	5.5	7.5	756	223	533	235	300	197	71.8
SBK-20-4/4	7.5	10	837	268	569	235	300	197	81.2
SBK-20-5/5	11	15	1018	313	705	318	352	245	112.3
SBK-20-6/6	11	15	1063	358	705	318	352	245	113.3
SBK-20-7/7	15	20	1113	403	710	318	352	245	124.9
SBK-20-8/8	15	20	1158	448	710	318	352	245	125.9
SBK-20-10/10	18.5	25	1288	538	750	318	352	245	156.7
SBK-20-12/10	18.5	25	1378	628	750	318	352	245	157.8
SBK-20-14/10	18.5	25	1468	718	750	318	352	245	159.0
SBK-20-16/10	18.5	25	1558	808	750	318	352	245	160.1
SBK-20-17/10	18.5	25	1603	853	750	318	352	245	160.7

General Data

CBK

Feature

Compact design / High Efficiency
Reliability / Easy installation /
Wide Range

Application

Machine centers / Grinding machines /
Lathes / Swarf conveyors /
Filtering systems / Cooling units /
Industrial washing machines



CBK pumps are vertical multistage centrifugal pumps especially designed for pumping of cooling lubricants for machine tools , and to be mounted on top of tanks with the pump stack immersed in the pumped liquid. STAIRS CBK pumps are available with various pump sizes and various numbers of stages to provide the flow, the pressure and the length required.

CBK 50 Hz Product Data

Range	2	4	8	12
Frequency	50Hz	50Hz	50Hz	50Hz
Rated flow rate (m³/h)	2.5	4	8	12.5
Flow range (m³/h)	1~3.5	1~8	4.8~12	7.2~14.4
Maximum head (bar)	10	5	8.5	9.5
Motor power P1 (W)	260~1520	370~1530	1114~3429	2410~5667
Temperature range (°C)	-10 to +90			

Pipe connection

Union

Rp 3/4

Rp1 1/4

CBK 60 Hz Product Data

Range	2	4	8	12
Frequency	60Hz	60Hz	60Hz	60Hz
Rated flow rate (m³/h)	3	4.8	9.5	12.5
Flow range (m³/h)	1~4	1~8	5.4~13.2	9.6~16.8
Maximum head (bar)	10	5	12	8.5
Motor power P1 (W)	340~1820	520~1950	1724~5448	3867~5619
Temperature range (°C)	-10 to +90			

Pipe connection

Union

Rp 3/4

Rp1 1/4

Mechanical Seals

Made of Tungsten carbide / Tungsten carbide or Viton.

List of materials

U:Tungsten carbide V:Viton

Type of Seal

HUUV Standard

Mechanical seal is available in different material per customer's demand.

Motor Data

CBK is fitted with totally enclosed fan-cooled,2-pole standard motor.

Enclosure class : IP 55

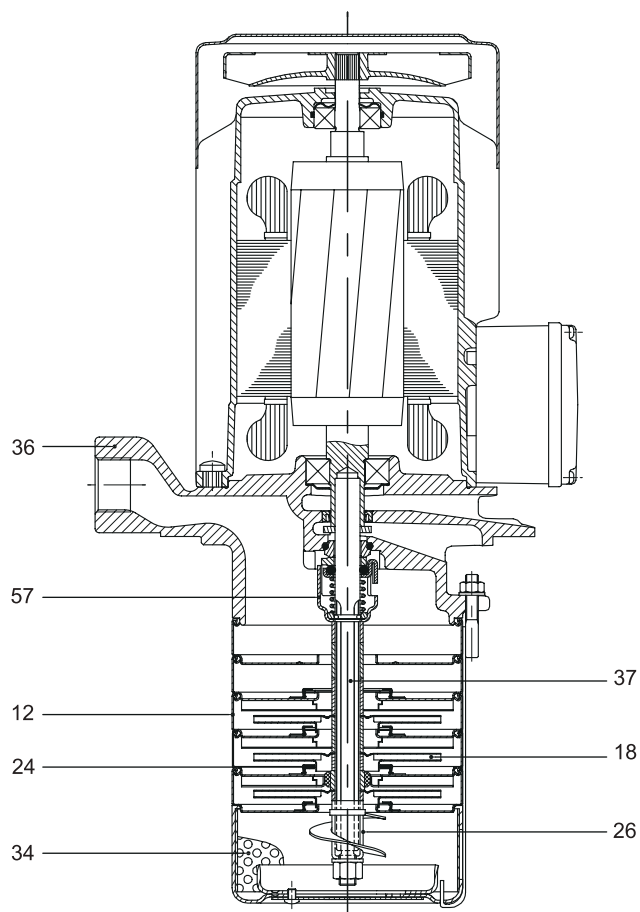
Insulation class : F

Ambient temperature : Max. + 50°C

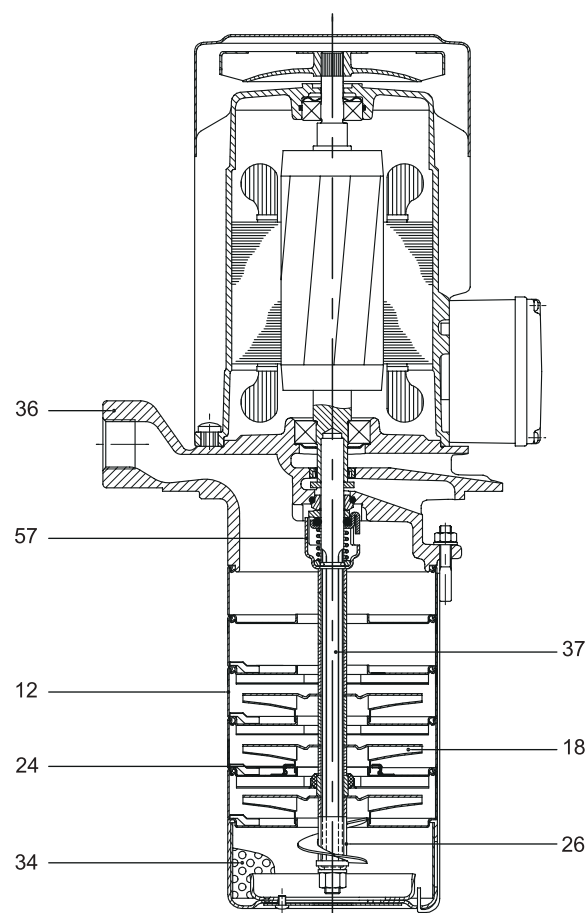
Supply voltage 50 Hz: 3X220-240/380-415V

Supply voltage 60 Hz: 3X220-255/380-440V
3X220-277/380-480V

CBK 2

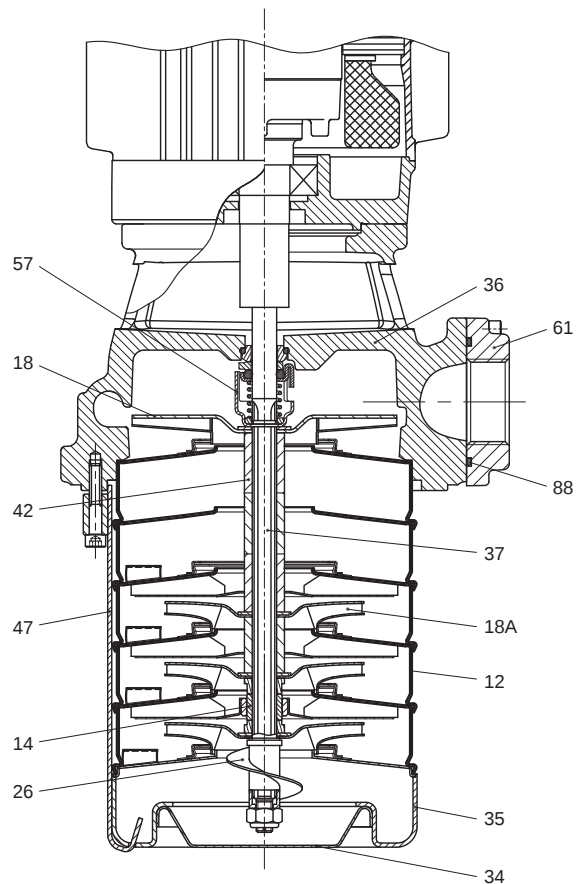


CBK 4



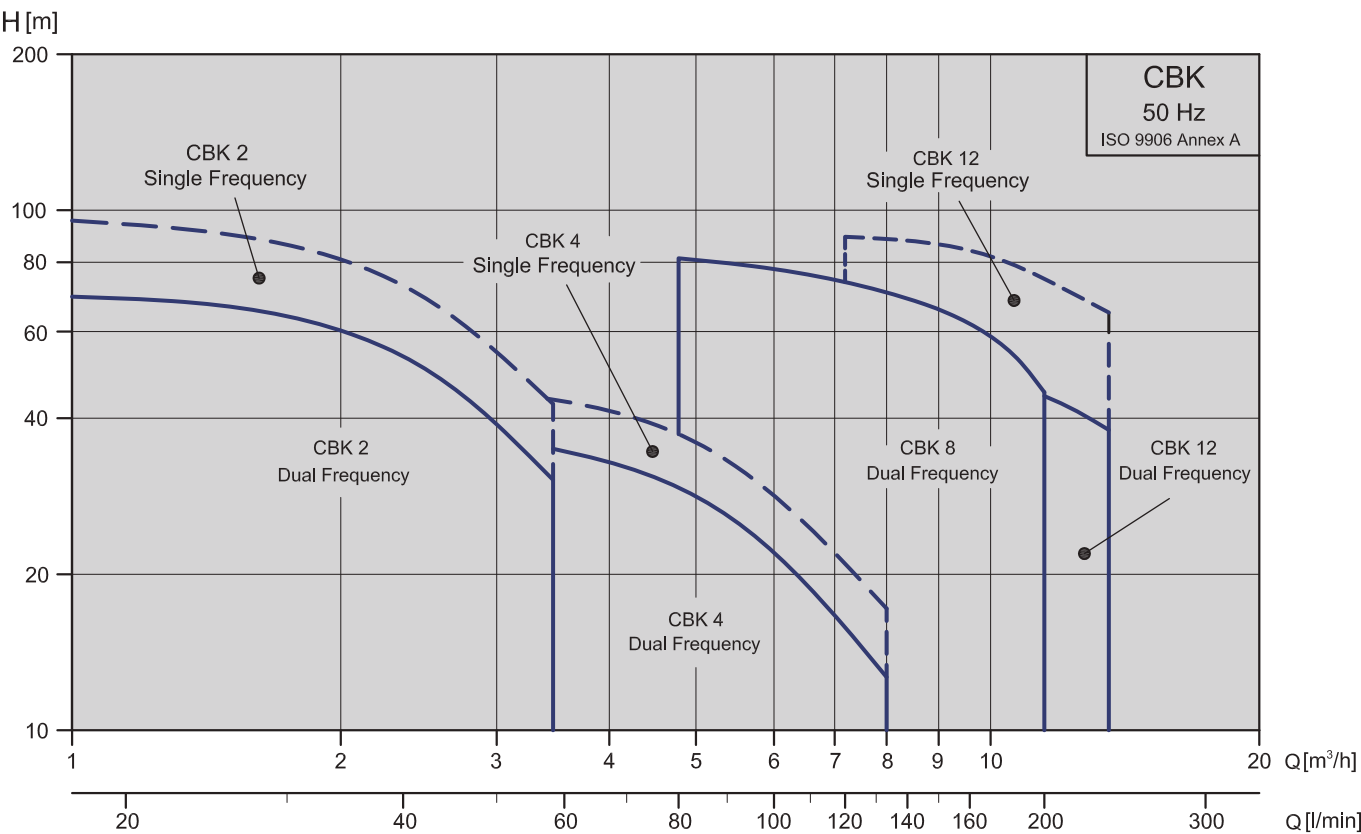
Pos.	Name	Material	Europe	AISI/ASTM
12	Chamber complete	Stainless steel	1.4301	AISI 304
18	Impeller	Stainless steel	1.4301	AISI 304
24	Neck ring	PTFE		
26	Priming screw	Stainless steel	1 4301	AISI 304
34	Strainer(internal)	Stainless steel	1.4301	AISI 304
36	Pump head	Cast Iron EN-GJL-200	0.6020	ASTM25B
37	Pump shaft	Stainless steel	1.4057	AISI 431
57	Shaft seal	HUUV		

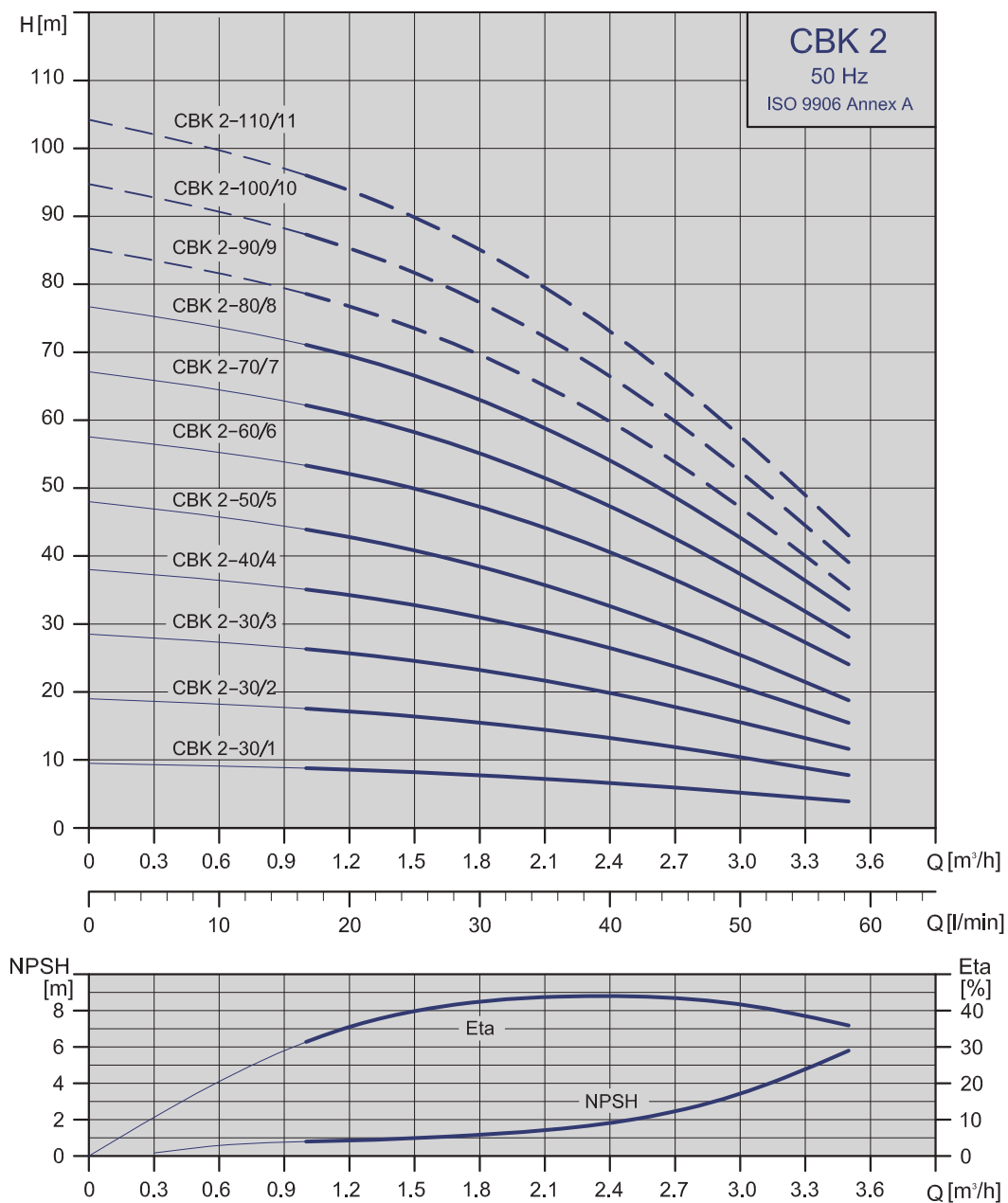
CBK 8,12



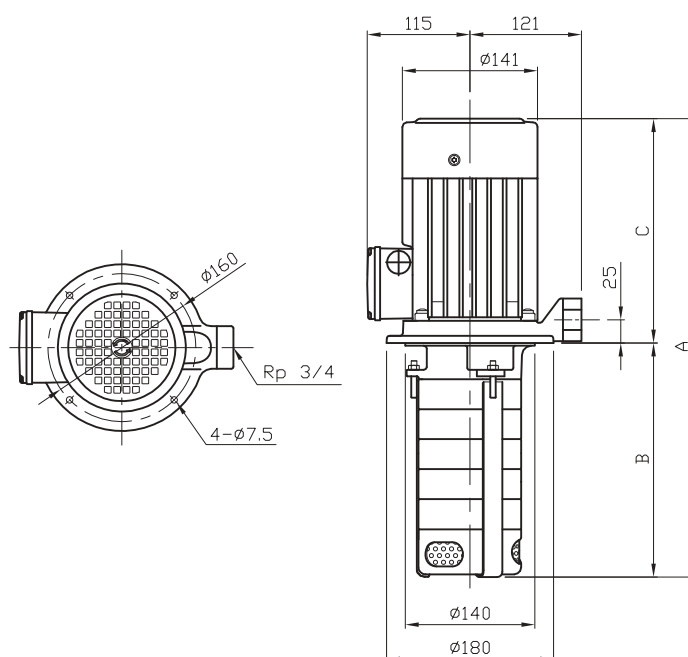
Pos.	Name	Material	Europe	AISI/ASTM
12	Chamber complete	Stainless steel	1.4301	AISI 304
14	Bearing	Silicon carbide		
18	Impeller	Stainless steel	1.4301	AISI 304
18A	Impeller	Stainless steel	1.4301	AISI 304
26	Priming screw	Stainless steel	1.4301	AISI 304
34	Strainer(internal)	Stainless steel	1 4301	AISI 304
35	Retainer for strainer	Stainless steel	1.4301	AISI 304
36	Pump head	EN-GJL-200	0.6020	ASTM 25B
37	Pump shaft	Stainless steel	1 4057	AISI 431
42	Spacing pipe	Stainless steel	1 4301	AISI 304
47	Strap	Stainless steel	1.4301	AISI 304
57	Shaft seal	HUUV		
61	Flange	EN-GJL-200	0 6020	ASTM 25B
88	O-ring	FKM		

Performance Range CBK 2,4,8,12



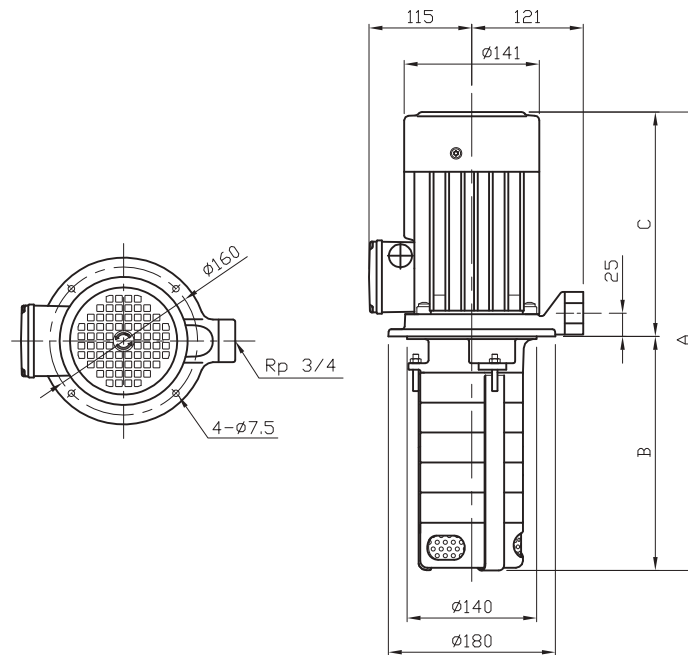


* — — — Single Frequency
— Dual Frequency



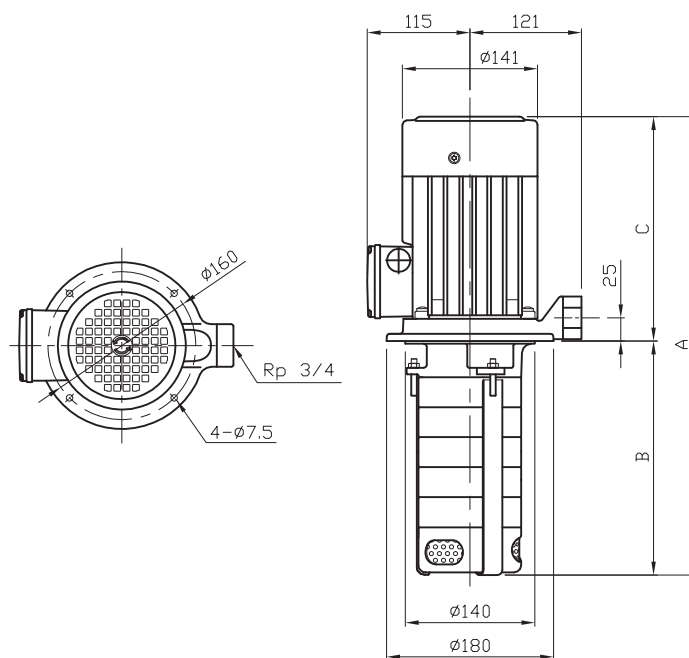
Dual Frequency

Pump Type	3X220-240/380-415V		Dimension (mm)			Net Weight (kg)
	P ₁ [W]	I _N [A]	A	B	C	
CBK 2-30/1	260	1.6-1.9 / 0.9-1.1	346	142	204	11.7
CBK 2-30/2	380	1.7-2.1 / 1.0-1.2	346	142	204	11.8
CBK 2-30/3	590	2.4-3.1 / 1.4-1.8	346	142	204	11.9
CBK 2-40/1	260	1.6-1.9 / 0.9-1.1	364	160	204	11.8
CBK 2-40/2	380	1.7-2.1 / 1.0-1.2	364	160	204	11.9
CBK 2-40/3	590	2.4-3.1 / 1.4-1.8	364	160	204	12.1
CBK 2-40/4	630	2.6-3.3 / 1.5-1.9	364	160	204	12.1
CBK 2-50/1	260	1.6-1.9 / 0.9-1.1	382	178	204	12.0
CBK 2-50/2	380	1.7-2.1 / 1.0-1.2	382	178	204	12.1
CBK 2-50/3	590	2.4-3.1 / 1.4-1.8	382	178	204	12.3
CBK 2-50/4	630	2.6-3.3 / 1.5-1.9	382	178	204	12.3
CBK 2-50/5	860	3.3-3.6 / 1.9-2.1	422	178	244	13.7
CBK 2-60/1	260	1.6-1.9 / 0.9-1.1	400	196	204	12.2
CBK 2-60/2	380	1.7-2.1 / 1.0-1.2	400	196	204	12.2
CBK 2-60/3	590	2.4-3.1 / 1.4-1.8	400	196	204	12.5
CBK 2-60/4	630	2.6-3.3 / 1.5-1.9	400	196	204	12.5
CBK 2-60/5	860	3.3-3.6 / 1.9-2.1	440	196	244	14.0
CBK 2-60/6	910	3.5-3.8 / 2.0-2.2	440	196	244	14.0
CBK 2-70/1	260	1.6-1.9 / 0.9-1.1	418	214	204	12.4
CBK 2-70/2	380	1.7-2.1 / 1.0-1.2	418	214	204	12.4
CBK 2-70/3	590	2.4-3.1 / 1.4-1.8	418	214	204	12.6
CBK 2-70/4	630	2.6-3.3 / 1.5-1.9	418	214	204	12.7
CBK 2-70/5	860	3.3-3.6 / 1.9-2.1	458	214	244	14.2
CBK 2-70/6	910	3.5-3.8 / 2.0-2.2	458	214	244	14.3
CBK 2-70/7	1040	4.3-5.0 / 2.5-2.9	458	214	244	15.4



Dual Frequency

Pump Type	3X220-240/380-415V		Dimension (mm)			Net Weight (kg)
	P ₁ [W]	I _N [A]	A	B	C	
CBK 2-80/1	260	1.6-1.9 / 0.9-1.1	436	232	204	12.4
CBK 2-80/2	380	1.7-2.1 / 1.0-1.2	436	232	204	12.6
CBK 2-80/3	590	2.4-3.1 / 1.4-1.8	436	232	204	12.8
CBK 2-80/4	630	2.6-3.3 / 1.5-1.9	436	232	204	13.0
CBK 2-80/5	860	3.3-3.6 / 1.9-2.1	476	232	244	14.4
CBK 2-80/6	910	3.5-3.8 / 2.0-2.2	476	232	244	14.5
CBK 2-80/7	1040	4.3-5.0 / 2.5-2.9	476	232	244	15.7
CBK 2-80/8	1230	4.7-5.4 / 2.7-3.1	476	232	244	15.7
CBK 2-90/1	260	1.6-1.9 / 0.9-1.1	454	250	204	12.7
CBK 2-90/2	380	1.7-2.1 / 1.0-1.2	454	250	204	12.8
CBK 2-90/3	590	2.4-3.1 / 1.4-1.8	454	250	204	13.0
CBK 2-90/4	630	2.6-3.3 / 1.5-1.9	454	250	204	13.0
CBK 2-90/5	860	3.3-3.6 / 1.9-2.1	494	250	244	14.5
CBK 2-90/6	910	3.5-3.8 / 2.0-2.2	494	250	244	14.8
CBK 2-90/7	1040	4.3-5.0 / 2.5-2.9	494	250	244	15.9
CBK 2-90/8	1230	4.7-5.4 / 2.7-3.1	494	250	244	16.0
CBK 2-100/1	260	1.6-1.9 / 0.9-1.1	472	268	204	12.9
CBK 2-100/2	380	1.7-2.1 / 1.0-1.2	472	268	204	13.0
CBK 2-100/3	590	2.4-3.1 / 1.4-1.8	472	268	204	13.2
CBK 2-100/4	630	2.6-3.3 / 1.5-1.9	472	268	204	13.4
CBK 2-100/5	860	3.3-3.6 / 1.9-2.1	512	268	244	14.8
CBK 2-100/6	910	3.5-3.8 / 2.0-2.2	512	268	244	14.8
CBK 2-100/7	1040	4.3-5.0 / 2.5-2.9	512	268	244	16.1
CBK 2-100/8	1230	4.7-5.4 / 2.7-3.1	512	268	244	16.1

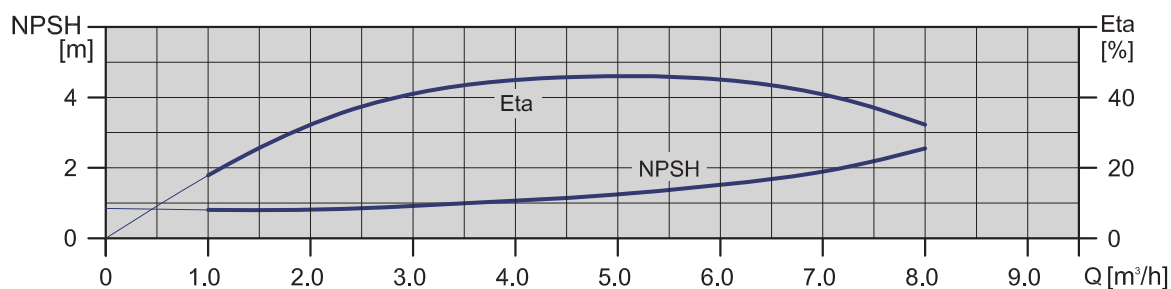
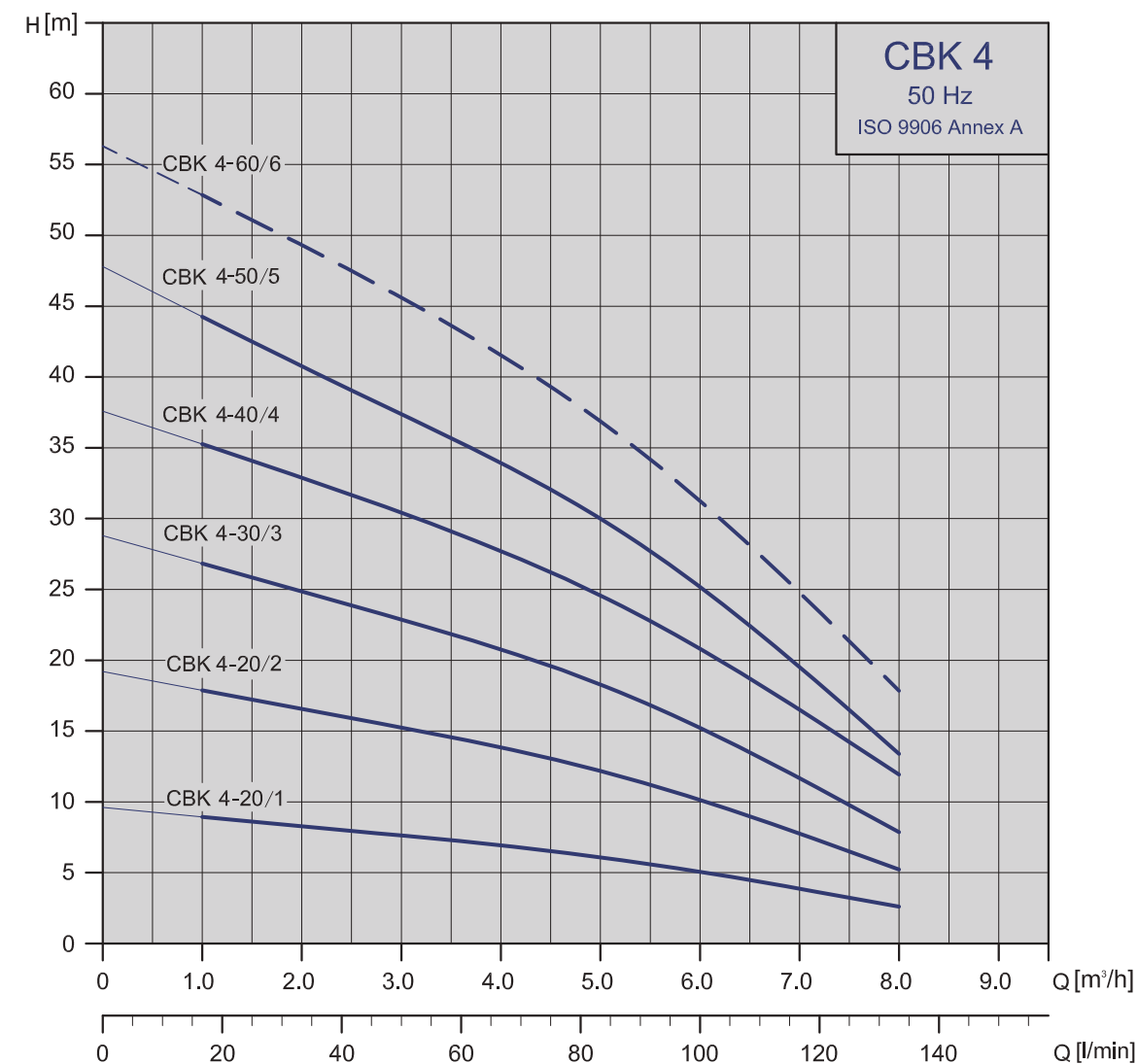


Dual Frequency

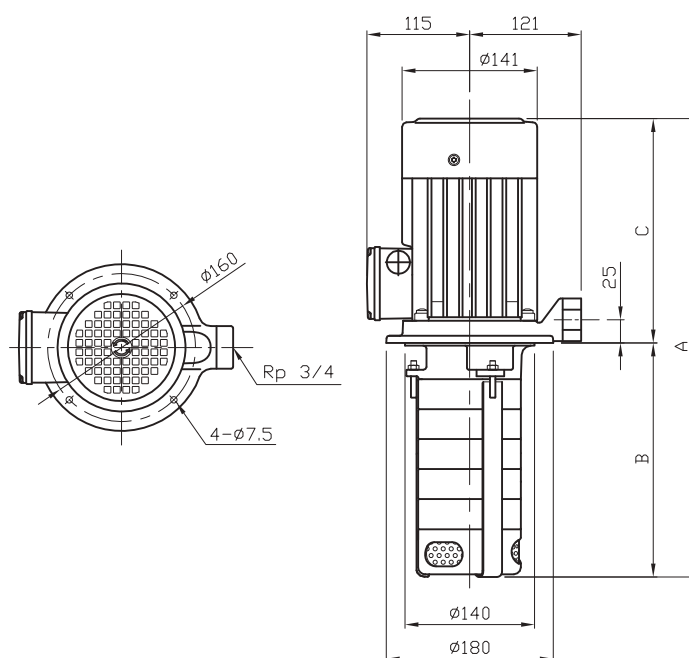
Pump Type	3X220-240/380-415V		Dimension (mm)			Net Weight (kg)
	P ₁ [W]	I _N [A]	A	B	C	
CBK 2-110/1	260	1.6-1.9 / 0.9-1.1	490	286	204	13.0
CBK 2-110/2	380	1.7-2.1 / 1.0-1.2	490	286	204	13.2
CBK 2-110/3	590	2.4-3.1 / 1.4-1.8	490	286	204	13.4
CBK 2-110/4	630	2.6-3.3 / 1.5-1.9	490	286	204	13.5
CBK 2-110/5	860	3.3-3.6 / 1.9-2.1	530	286	244	14.8
CBK 2-110/6	910	3.5-3.8 / 2.0-2.2	530	286	244	15.0
CBK 2-110/7	1040	4.3-5.0 / 2.5-2.9	530	286	244	16.3
CBK 2-110/8	1230	4.7-5.4 / 2.7-3.1	530	286	244	16.3

Single Frequency

Pump Type	3X220-240/380-415V		Dimension (mm)			Net Weight (kg)
	P ₁ [W]	I _N [A]	A	B	C	
CBK 2-90/9	1210	4.1-4.6 / 2.4-2.7	494	250	244	14.8
CBK 2-100/9	1210	4.1-4.6 / 2.4-2.7	512	268	244	15.0
CBK 2-100/10	1390	4.9-5.7 / 2.8-3.3	512	268	244	16.3
CBK 2-110/9	1210	4.1-4.6 / 2.4-2.7	530	286	244	15.2
CBK 2-110/10	1390	4.9-5.7 / 2.8-3.3	530	286	244	16.6
CBK 2-110/11	1520	5.4-6.0 / 3.1-3.5	530	286	244	16.7

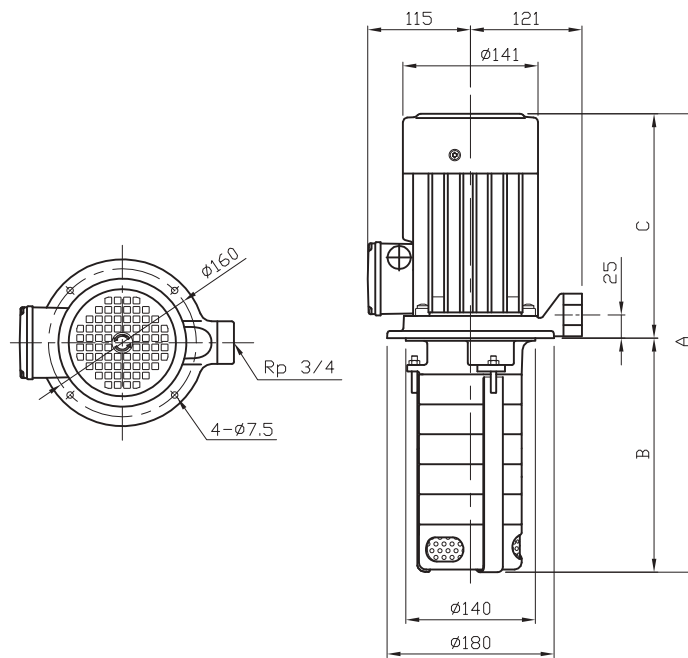


* — — — — Single Frequency
— — — — Dual Frequency



Dual Frequency

Pump Type	3X220-240/380-415V		Dimension (mm)			Net Weight (kg)
	P ₁ [W]	I _N [A]	A	B	C	
CBK 4-20/1	370	1.7-1.9 / 1.0-1.1	346	142	204	11.5
CBK 4-20/2	630	2.6-3.1 / 1.5-1.8	346	142	204	11.6
CBK 4-30/1	370	1.7-1.9 / 1.0-1.1	373	169	204	11.7
CBK 4-30/2	630	2.6-3.1 / 1.5-1.8	373	169	204	11.9
CBK 4-30/3	820	3.1-3.6 / 1.8-2.1	413	169	244	13.4
CBK 4-40/1	370	1.7-1.9 / 1.0-1.1	400	196	204	12.0
CBK 4-40/2	630	2.6-3.1 / 1.5-1.8	400	196	204	12.1
CBK 4-40/3	820	3.1-3.6 / 1.8-2.1	440	196	244	13.7
CBK 4-40/4	1090	4.3-5.0 / 2.5-2.9	440	196	244	14.9
CBK 4-50/1	370	1.7-1.9 / 1.0-1.1	427	223	204	12.1
CBK 4-50/2	630	2.6-3.1 / 1.5-1.8	427	223	204	12.3
CBK 4-50/3	820	3.1-3.6 / 1.8-2.1	467	223	244	14.0
CBK 4-50/4	1090	4.3-5.0 / 2.5-2.9	467	223	244	15.1
CBK 4-50/5	1300	4.6-5.3 / 2.7-3.1	467	223	244	15.2
CBK 4-60/1	370	1.7-1.9 / 1.0-1.1	454	250	204	12.4
CBK 4-60/2	630	2.6-3.1 / 1.5-1.8	454	250	204	12.5
CBK 4-60/3	820	3.1-3.6 / 1.8-2.1	494	250	244	14.1
CBK 4-60/4	1090	4.3-5.0 / 2.5-2.9	494	250	244	15.3
CBK 4-60/5	1300	4.6-5.3 / 2.7-3.1	494	250	244	15.5

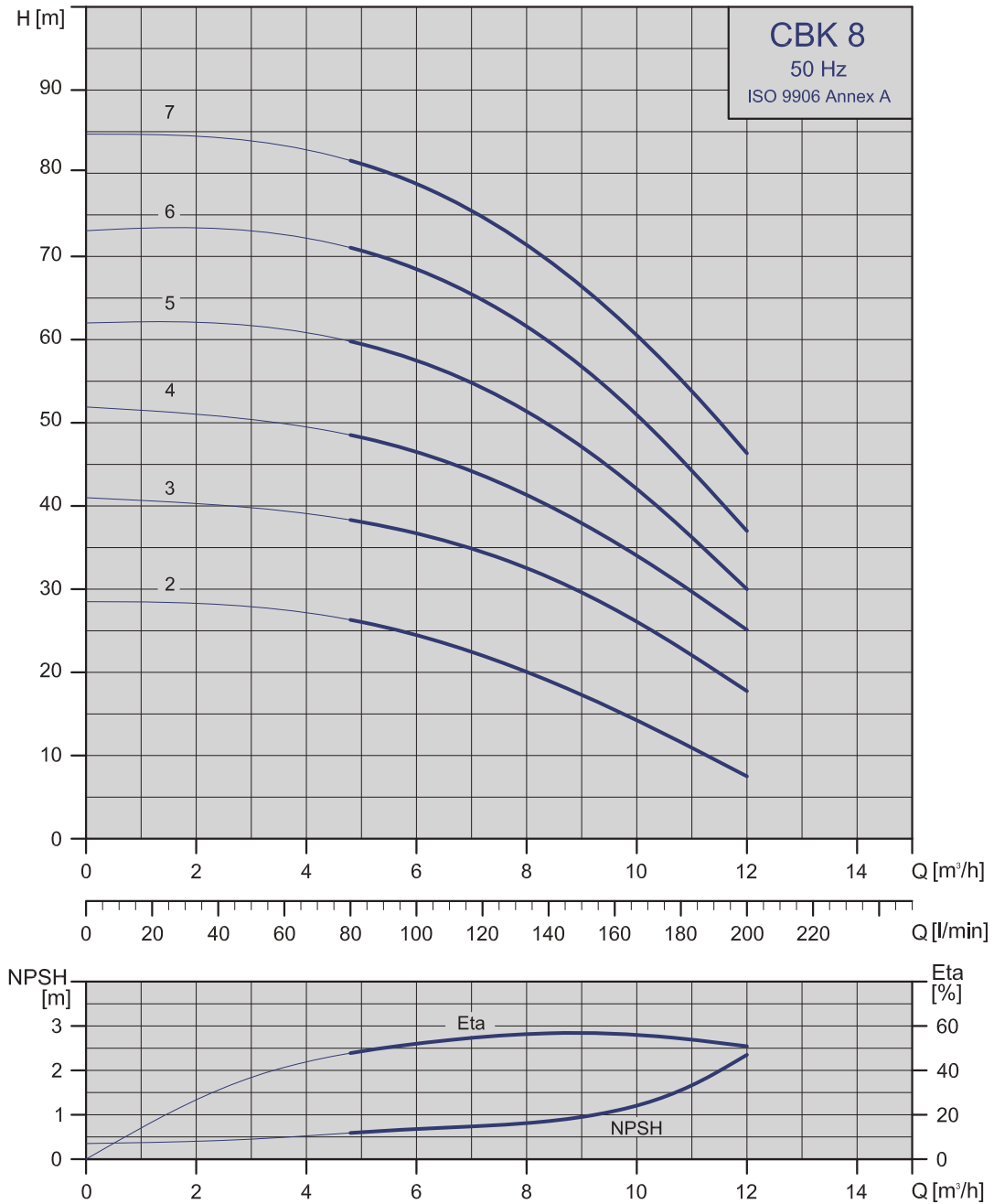


Dual Frequency

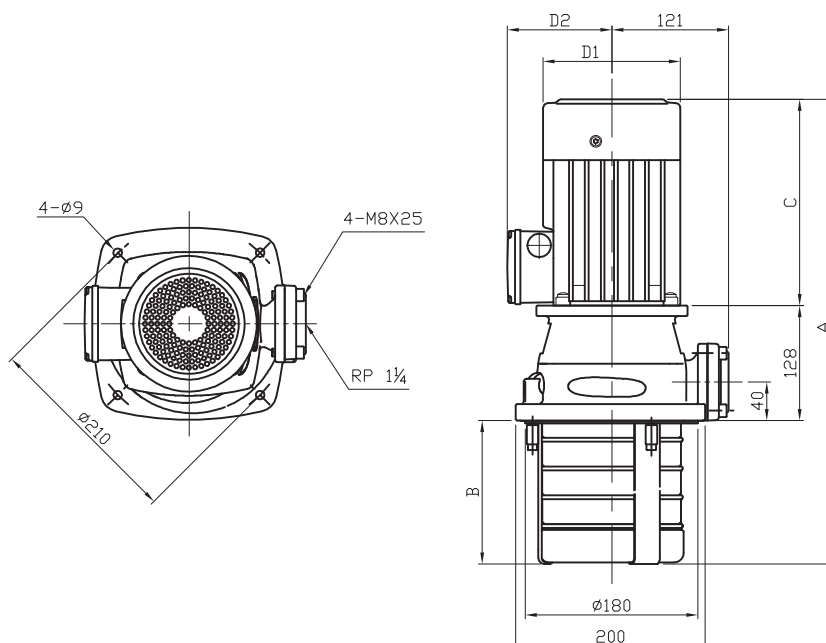
Pump Type	3X220-240/380-415V		Dimension (mm)			Net Weight (kg)
	P ₁ [W]	I _N [A]	A	B	C	
CBK 4-70/1	370	1.7-1.9 / 1.0-1.1	481	277	204	12.5
CBK 4-70/2	630	2.6-3.1 / 1.5-1.8	481	277	204	12.6
CBK 4-70/3	820	3.1-3.6 / 1.8-2.1	521	277	244	14.2
CBK 4-70/4	1090	4.3-5.0 / 2.5-2.9	521	277	244	15.5
CBK 4-70/5	1300	4.6-5.3 / 2.7-3.1	521	277	244	15.6
CBK 4-80/1	370	1.7-1.9 / 1.0-1.1	508	304	204	12.7
CBK 4-80/2	630	2.6-3.1 / 1.5-1.8	508	304	204	12.9
CBK 4-80/3	820	3.1-3.6 / 1.8-2.1	548	304	244	14.5
CBK 4-80/4	1090	4.3-5.0 / 2.5-2.9	548	304	244	15.7
CBK 4-80/5	1300	4.6-5.3 / 2.7-3.1	548	304	244	15.9

Single Frequency

Pump Type	3X220-240/380-415V		Dimension (mm)			Net Weight (kg)
	P ₁ [W]	I _N [A]	A	B	C	
CBK 4-60/6	1530	5.5-5.9 / 3.2-3.4	494	250	244	15.6
CBK 4-70/6	1530	5.5-5.9 / 3.2-3.4	521	277	244	15.8
CBK 4-80/6	1530	5.5-5.9 / 3.2-3.4	548	304	244	16.1

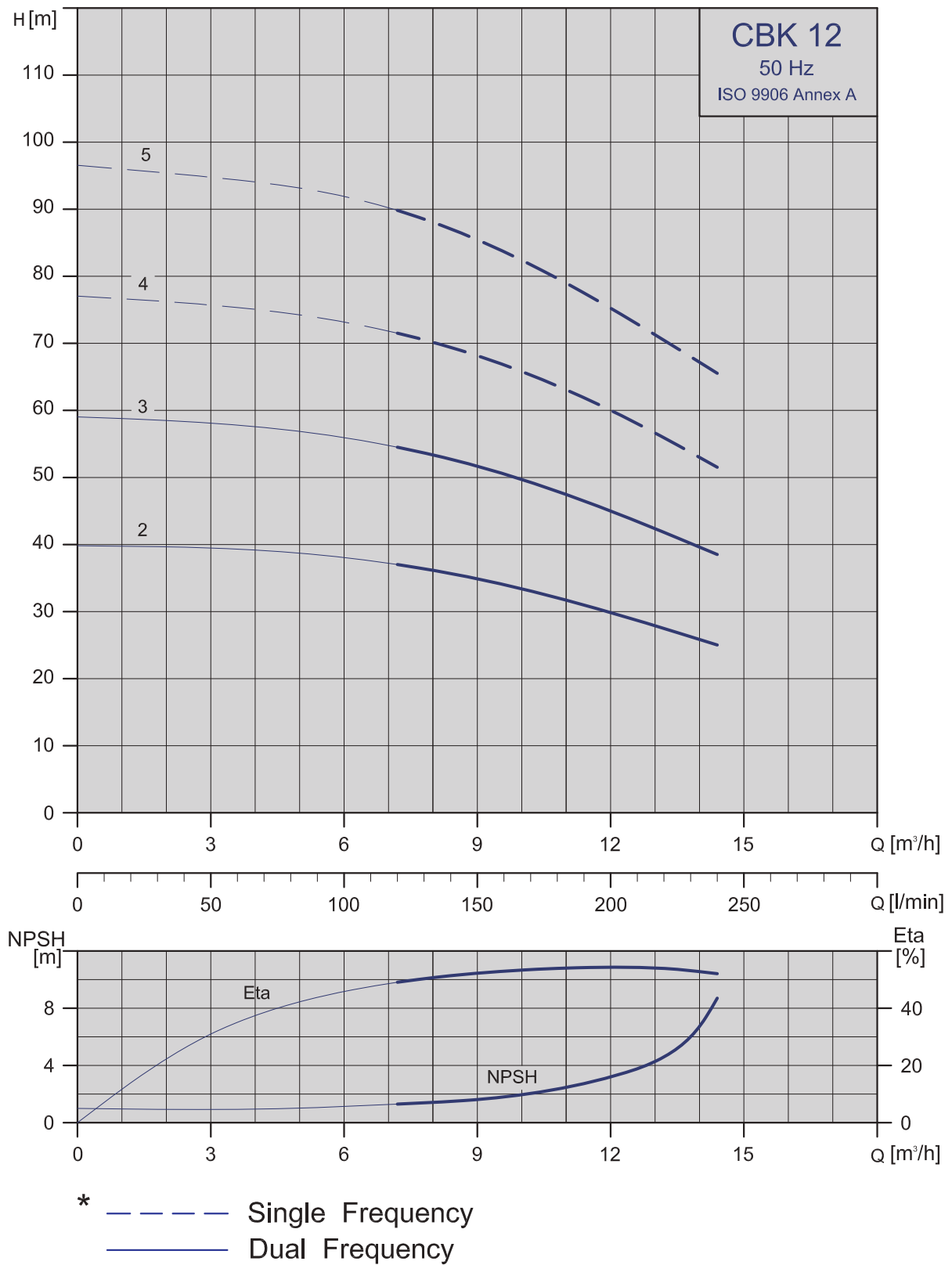


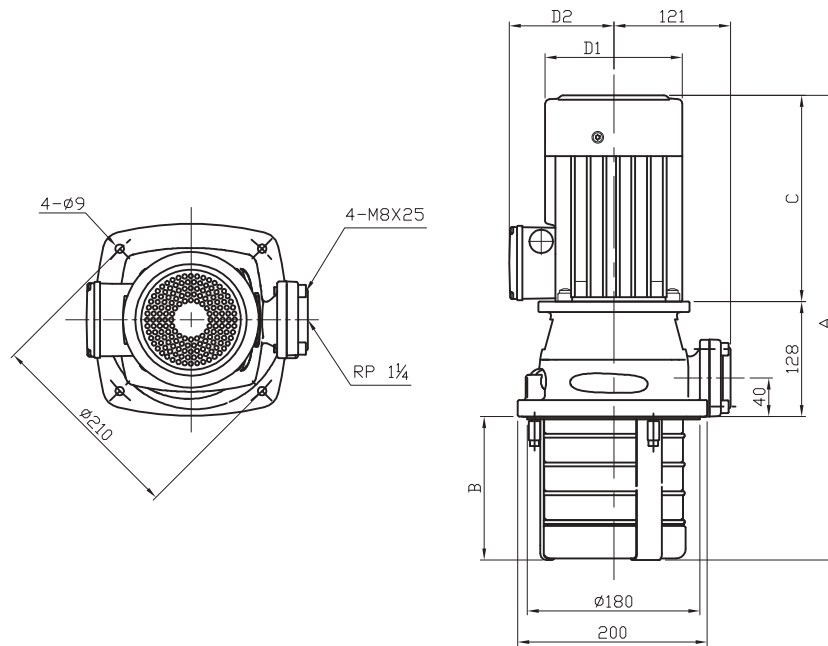
* — Dual Frequency



Dual Frequency

Pump Type	3X220-240/380-415V		Dimension (mm)					Net Weight (kg)
	P _I [W]	I _N [A]	A	B	C	D1	D2	
CBK-8-20/2	1114	4.1-4.8 / 2.4-2.8	423	60	235	141	115	19.25
CBK-8-30/2	1114	4.1-4.8 / 2.4-2.8	423	60	235	141	115	19.42
CBK-8-30/3	1648	5.4-6.2 / 3.2-3.6	509	90	291	177	141	28.53
CBK-8-40/2	1114	4.1-4.8 / 2.4-2.8	483	120	235	141	115	20.06
CBK-8-40/3	1648	5.4-6.2 / 3.2-3.6	539	120	291	177	141	28.88
CBK-8-40/4	2105	7.0-7.9 / 4.0-4.6	539	120	291	177	141	31.29
CBK-8-50/2	1114	4.1-4.8 / 2.4-2.8	513	150	235	141	115	20.45
CBK-8-50/3	1648	5.4-6.2 / 3.2-3.6	569	150	291	177	141	29.23
CBK-8-50/4	2105	7.0-7.9 / 4.0-4.6	569	150	291	177	141	31.69
CBK-8-50/5	2638	10.8-11.8 / 6.3-7.0	594	150	316	197	147	37.74
CBK-8-60/2	1114	4.1-4.8 / 2.4-2.8	543	180	235	141	115	20.79
CBK-8-60/3	1648	5.4-6.2 / 3.2-3.6	599	180	291	177	141	29.58
CBK-8-60/4	2105	7.0-7.9 / 4.0-4.6	599	180	291	177	141	32.04
CBK-8-60/5	2638	10.8-11.8 / 6.3-7.0	624	180	316	197	147	37.39
CBK-8-60/6	3095	9.2-11.1 / 5.3-6.5	634	180	326	200	161	43.93
CBK-8-70/2	1114	4.1-4.8 / 2.4-2.8	573	210	235	141	115	21.64
CBK-8-70/3	1648	5.4-6.2 / 3.2-3.6	629	210	291	177	141	29.93
CBK-8-70/4	2105	7.0-7.9 / 4.0-4.6	629	210	291	177	141	32.39
CBK-8-70/5	2638	10.8-11.8 / 6.3-7.0	654	210	316	197	147	37.74
CBK-8-70/6	3095	9.2-11.1 / 5.3-6.5	664	210	326	200	161	44.28
CBK-8-70/7	3429	10.4-11.5 / 6.0-6.7	664	210	326	200	161	44.71





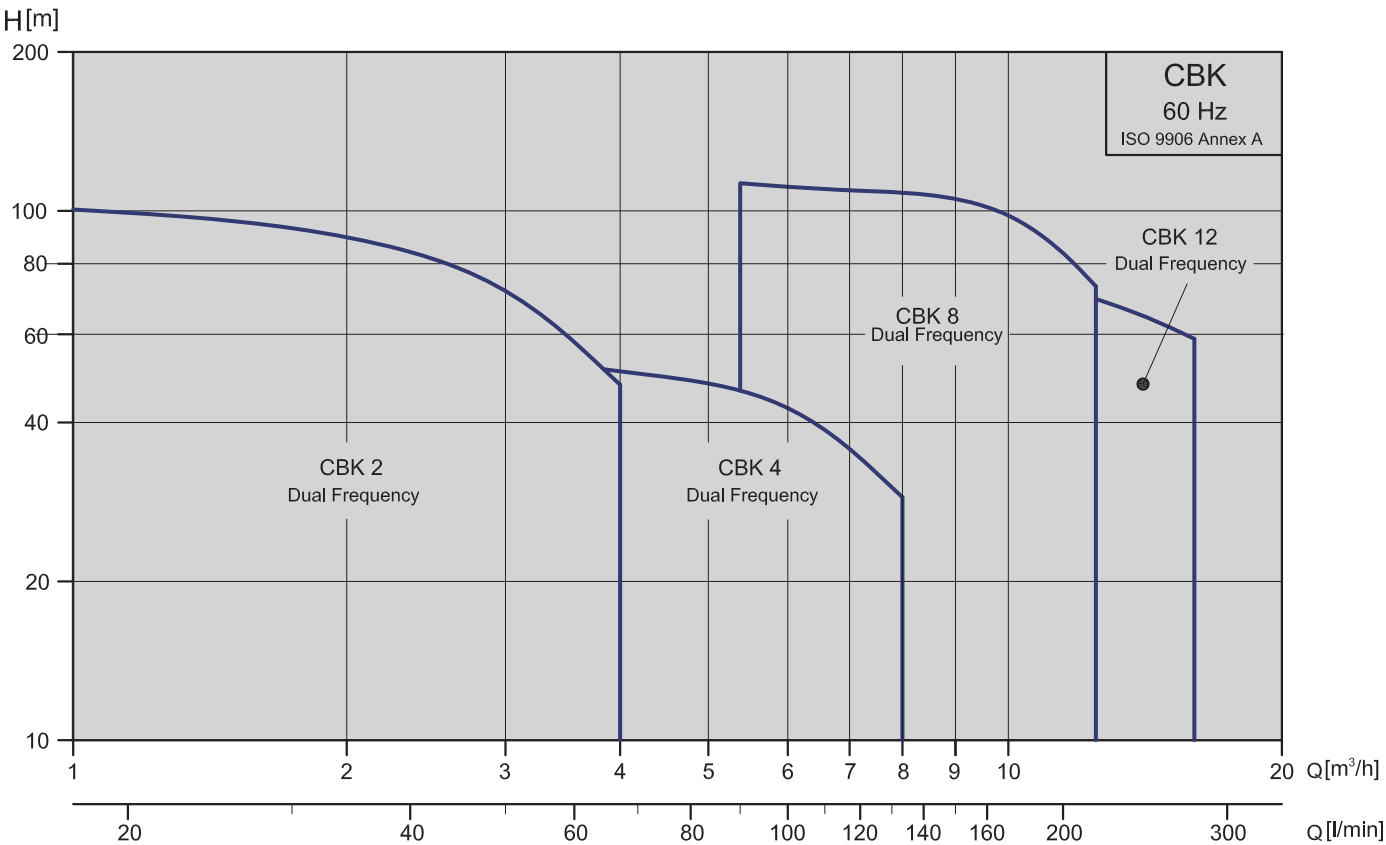
Dual Frequency

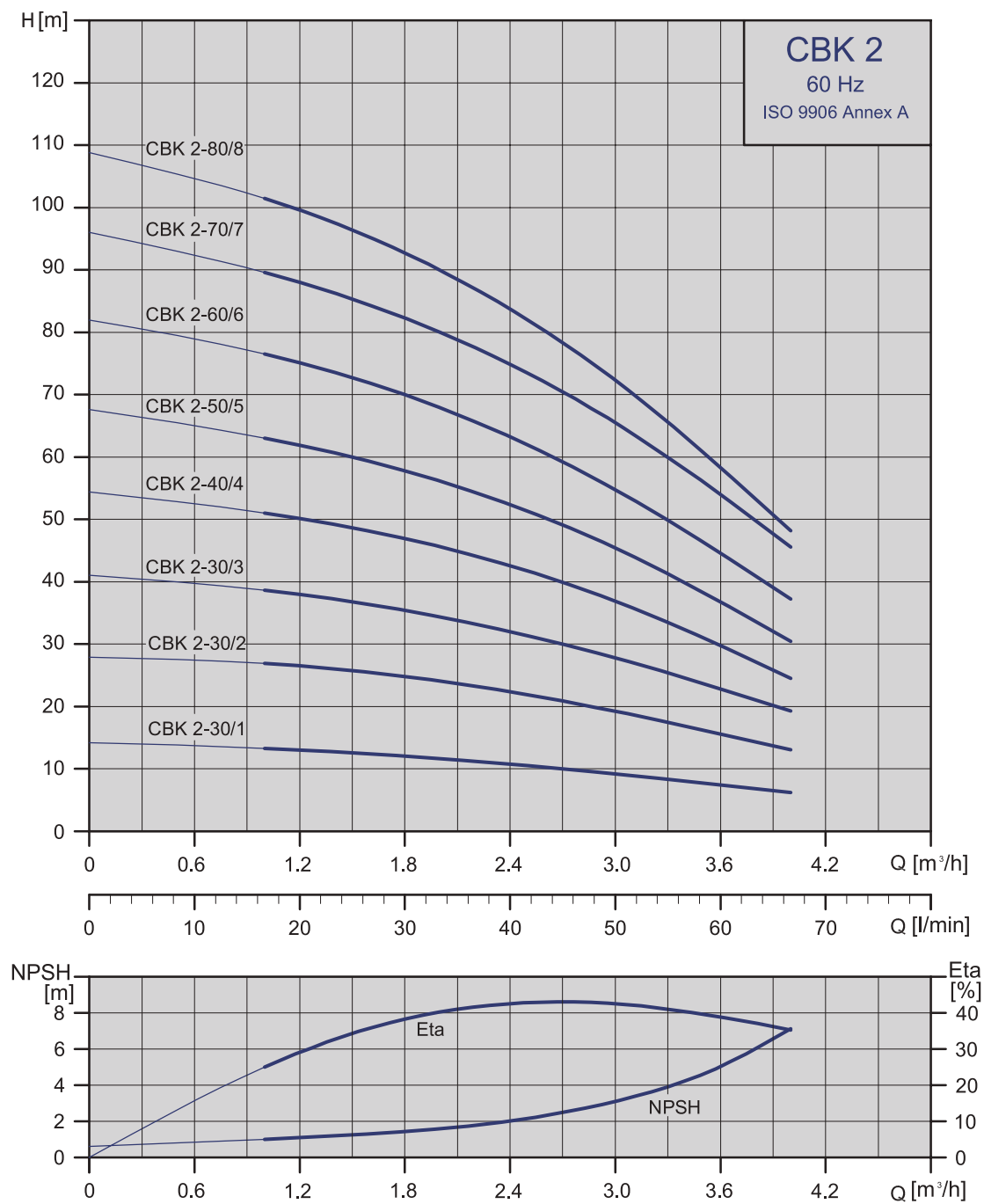
Pump Type	3X220-240/380-415V		Dimension (mm)					Net Weight (kg)
	P ₁ [W]	I _N [A]	A	B	C	D1	D2	
CBK-12-20/2	2410	8.9-10.7 / 5.2-6.2	504	60	316	197	147	34.82
CBK-12-30/2	2410	8.9-10.7 / 5.2-6.2	534	90	316	197	147	35.17
CBK-12-30/3	3600	11.0-12.2 / 6.4-7.1	544	90	326	220	161	41.69
CBK-12-40/2	2410	8.9-10.7 / 5.2-6.2	564	120	316	197	147	35.52
CBK-12-40/3	3600	11.0-12.2 / 6.4-7.1	574	120	326	220	161	42.05
CBK-12-50/2	2410	8.9-10.7 / 5.2-6.2	594	150	316	197	147	35.87
CBK-12-50/3	3600	11.0-12.2 / 6.4-7.1	604	150	326	220	161	42.40
CBK-12-60/2	2410	8.9-10.7 / 5.2-6.2	624	180	316	197	147	36.22
CBK-12-60/3	3600	11.0-12.2 / 6.4-7.1	634	180	326	220	161	42.75
CBK-12-70/2	2410	8.9-10.7 / 5.2-6.2	654	210	316	197	147	36.57
CBK-12-70/3	3600	11.0-12.2 / 6.4-7.1	664	210	326	220	161	43.10

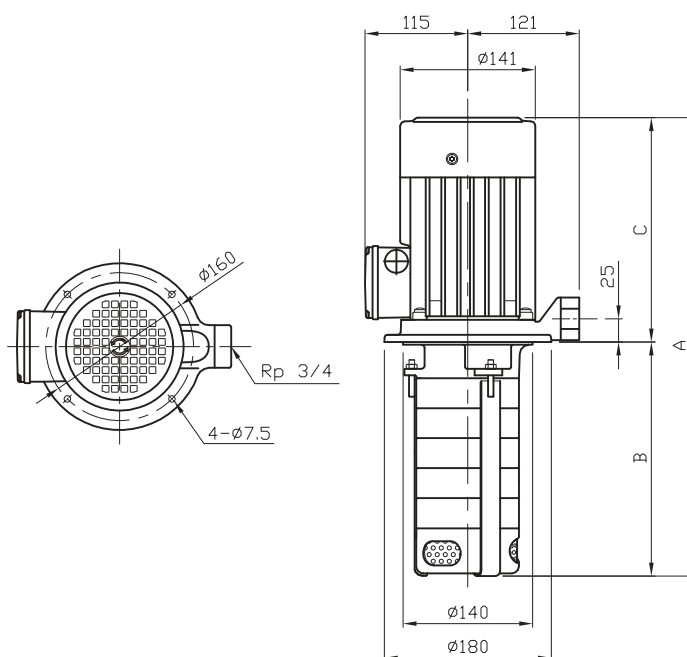
Single Frequency

Pump Type	3X220-240/380-415V		Dimension (mm)					Net Weight (kg)
	P ₁ [W]	I _N [A]	A	B	C	D1	D2	
CBK-12-40/4	4571	13.4-13.8 / 7.7-8.0	574	120	326	220	161	43.42
CBK-12-50/4	4571	13.4-13.8 / 7.7-8.0	604	150	326	220	161	43.92
CBK-12-50/5	5667	15.5-15.9 / 9.0-9.2	604	150	326	220	161	44.66
CBK-12-60/4	4571	13.4-13.8 / 7.7-8.0	634	180	326	220	161	44.50
CBK-12-60/5	5667	15.5-15.9 / 9.0-9.2	634	180	326	220	161	45.16
CBK-12-70/4	4571	13.4-13.8 / 7.7-8.0	664	210	326	220	161	45.00
CBK-12-70/5	5667	15.5-15.9 / 9.0-9.2	664	210	326	220	161	45.66

Performance Range CBK 2,4,8,12

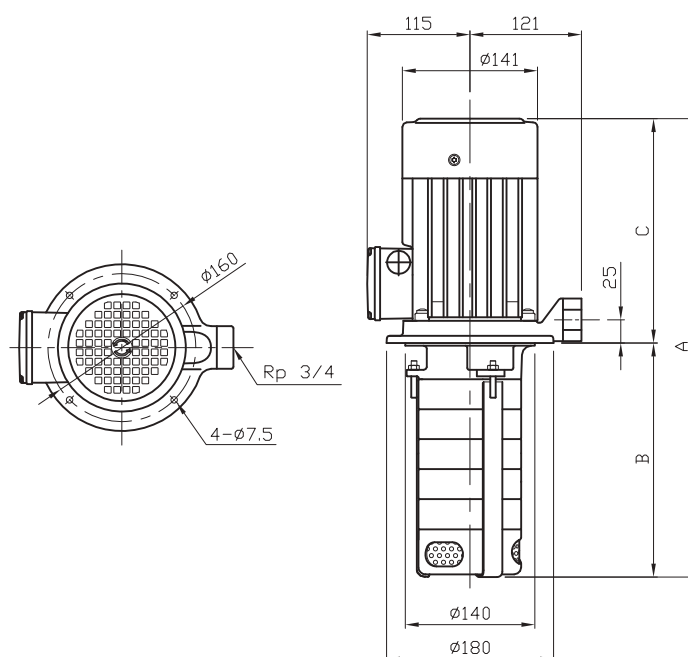






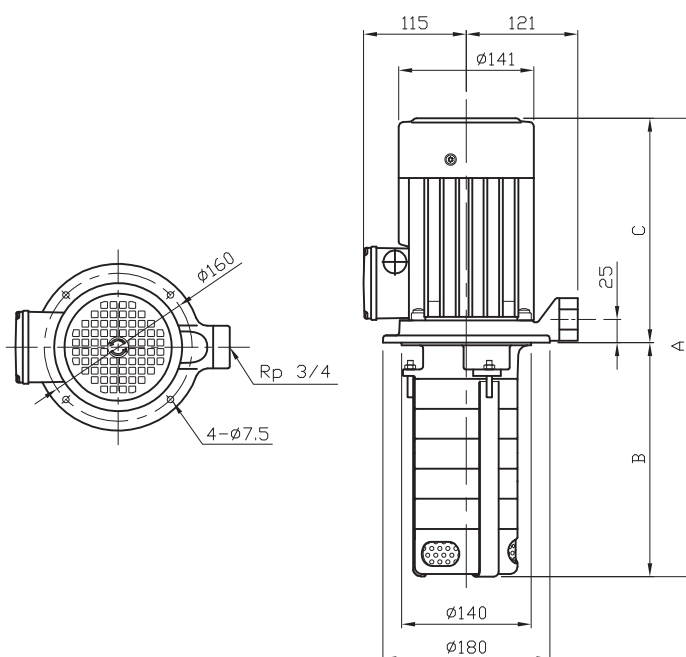
Dual Frequency

Pump Type	3X220-255/380-440V		Dimension (mm)			Net Weight (kg)
	P ₁ [W]	I _N [A]	A	B	C	
CBK 2-30/1	340	1.4-1.6 / 0.8-0.9	346	142	204	11.7
CBK 2-30/2	530	1.9-2.1 / 1.1-1.2	346	142	204	11.8
CBK 2-30/3	750	2.4-2.6 / 1.4-1.5	346	142	204	11.9
CBK 2-40/1	340	1.4-1.6 / 0.8-0.9	364	160	204	11.8
CBK 2-40/2	530	1.9-2.1 / 1.1-1.2	364	160	204	11.9
CBK 2-40/3	750	2.4-2.6 / 1.4-1.5	364	160	204	12.1
CBK 2-40/4	950	2.9-3.1 / 1.7-1.8	364	160	204	12.1
CBK 2-50/1	340	1.4-1.6 / 0.8-0.9	382	178	204	12.0
CBK 2-50/2	530	1.9-2.1 / 1.1-1.2	382	178	204	12.1
CBK 2-50/3	750	2.4-2.6 / 1.4-1.5	382	178	204	12.3
CBK 2-50/4	950	2.9-3.1 / 1.7-1.8	382	178	204	12.3
CBK 2-50/5	1280	3.8-4.0 / 2.2-2.3	422	178	244	13.7
CBK 2-60/1	340	1.4-1.6 / 0.8-0.9	400	196	204	12.2
CBK 2-60/2	530	1.9-2.1 / 1.1-1.2	400	196	204	12.2
CBK 2-60/3	750	2.4-2.6 / 1.4-1.5	400	196	204	12.5
CBK 2-60/4	950	2.9-3.1 / 1.7-1.8	400	196	204	12.5
CBK 2-60/5	1280	3.8-4.0 / 2.2-2.3	440	196	244	14.0
CBK 2-60/6	1340	4.0-4.2 / 2.3-2.4	440	196	244	14.0
CBK 2-70/1	340	1.4-1.6 / 0.8-0.9	418	214	204	12.4
CBK 2-70/2	530	1.9-2.1 / 1.1-1.2	418	214	204	12.4
CBK 2-70/3	750	2.4-2.6 / 1.4-1.5	418	214	204	12.6
CBK 2-70/4	950	2.9-3.1 / 1.7-1.8	418	214	204	12.7
CBK 2-70/5	1280	3.8-4.0 / 2.2-2.3	458	214	244	14.2
CBK 2-70/6	1340	4.0-4.2 / 2.3-2.4	458	214	244	14.3
CBK 2-70/7	1750	5.4-5.6 / 3.1-3.2	458	214	244	15.4



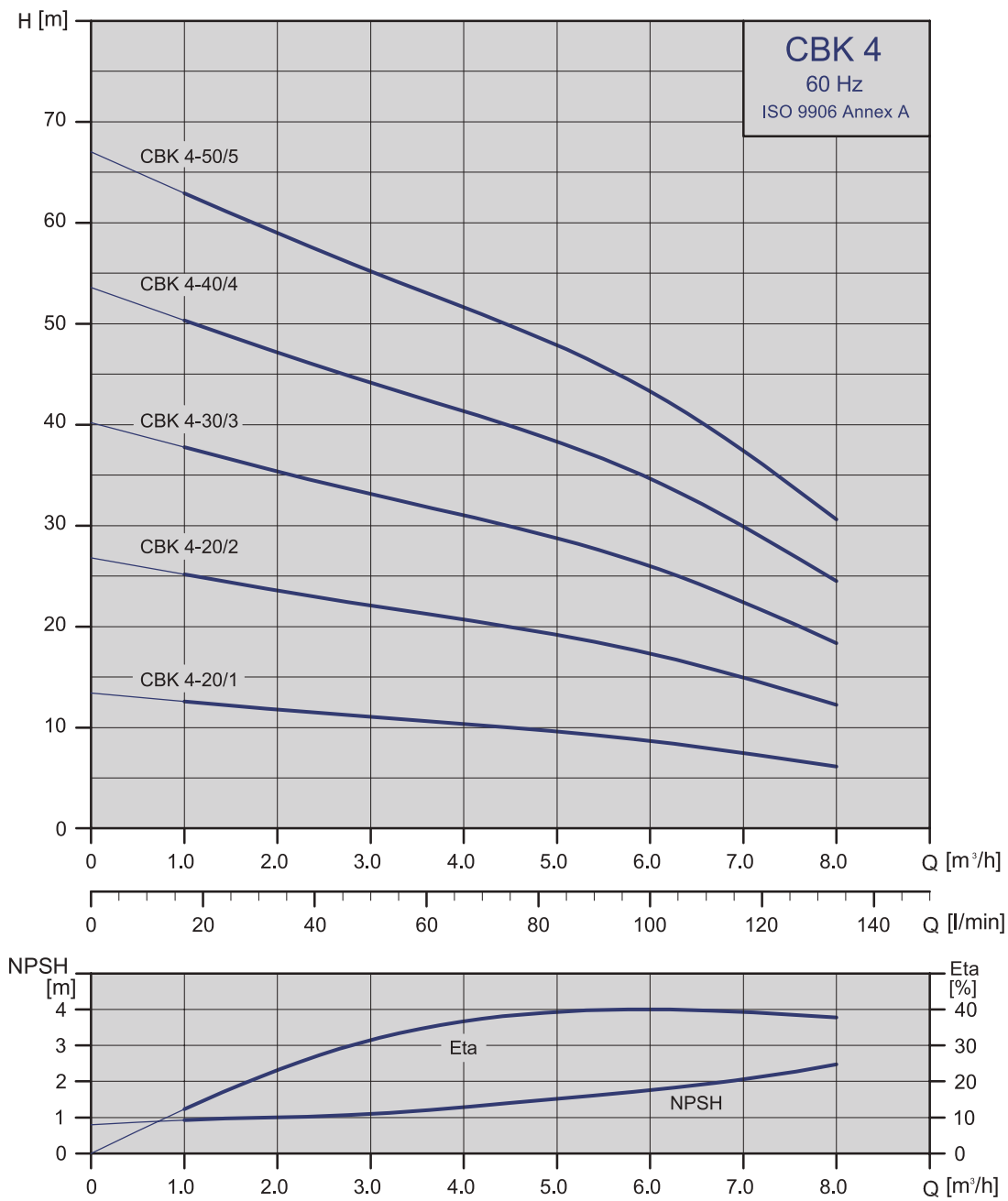
Dual Frequency

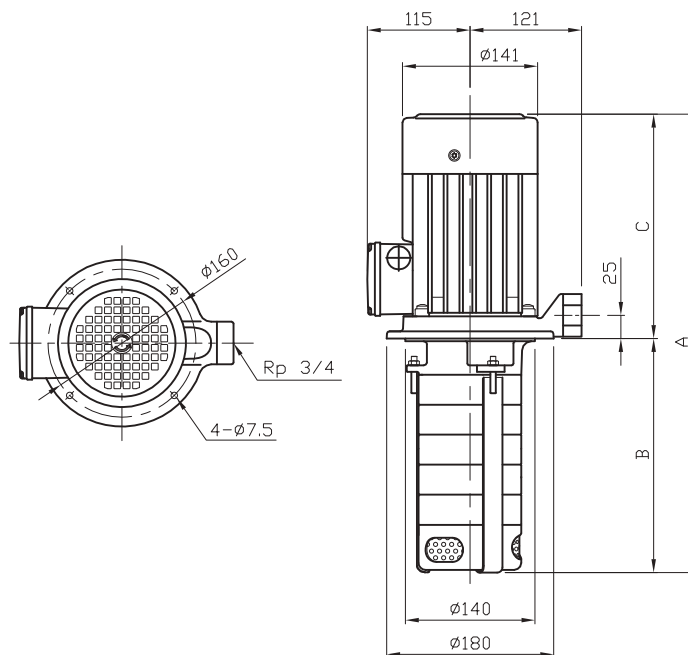
Pump Type	3X220-255/380-440V		Dimension (mm)			Net Weight (kg)
	P ₁ [W]	I _N [A]	A	B	C	
CBK 2-80/1	340	1.4-1.6 / 0.8-0.9	436	232	204	12.4
CBK 2-80/2	530	1.9-2.1 / 1.1-1.2	436	232	204	12.6
CBK 2-80/3	750	2.4-2.6 / 1.4-1.5	436	232	204	12.8
CBK 2-80/4	950	2.9-3.1 / 1.7-1.8	436	232	204	13.0
CBK 2-80/5	1280	3.8-4.0 / 2.2-2.3	476	232	244	14.4
CBK 2-80/6	1340	4.0-4.2 / 2.3-2.4	476	232	244	14.5
CBK 2-80/7	1750	5.4-5.6 / 3.1-3.2	476	232	244	15.7
CBK 2-80/8	1820	5.6-5.7 / 3.2-3.3	476	232	244	15.7
CBK 2-90/1	340	1.4-1.6 / 0.8-0.9	454	250	204	12.7
CBK 2-90/2	530	1.9-2.1 / 1.1-1.2	454	250	204	12.8
CBK 2-90/3	750	2.4-2.6 / 1.4-1.5	454	250	204	13.0
CBK 2-90/4	950	2.9-3.1 / 1.7-1.8	454	250	204	13.0
CBK 2-90/5	1280	3.8-4.0 / 2.2-2.3	494	250	244	14.5
CBK 2-90/6	1340	4.0-4.2 / 2.3-2.4	494	250	244	14.8
CBK 2-90/7	1750	5.4-5.6 / 3.1-3.2	494	250	244	15.9
CBK 2-90/8	1820	5.6-5.7 / 3.2-3.3	494	250	244	16.0
CBK 2-100/1	340	1.4-1.6 / 0.8-0.9	472	268	204	12.9
CBK 2-100/2	530	1.9-2.1 / 1.1-1.2	472	268	204	13.0
CBK 2-100/3	750	2.4-2.6 / 1.4-1.5	472	268	204	13.2
CBK 2-100/4	950	2.9-3.1 / 1.7-1.8	472	268	204	13.4
CBK 2-100/5	1280	3.8-4.0 / 2.2-2.3	512	268	244	14.8
CBK 2-100/6	1340	4.0-4.2 / 2.3-2.4	512	268	244	14.8
CBK 2-100/7	1750	5.4-5.6 / 3.1-3.2	512	268	244	16.1
CBK 2-100/8	1820	5.6-5.7 / 3.2-3.3	512	268	244	16.1



Dual Frequency

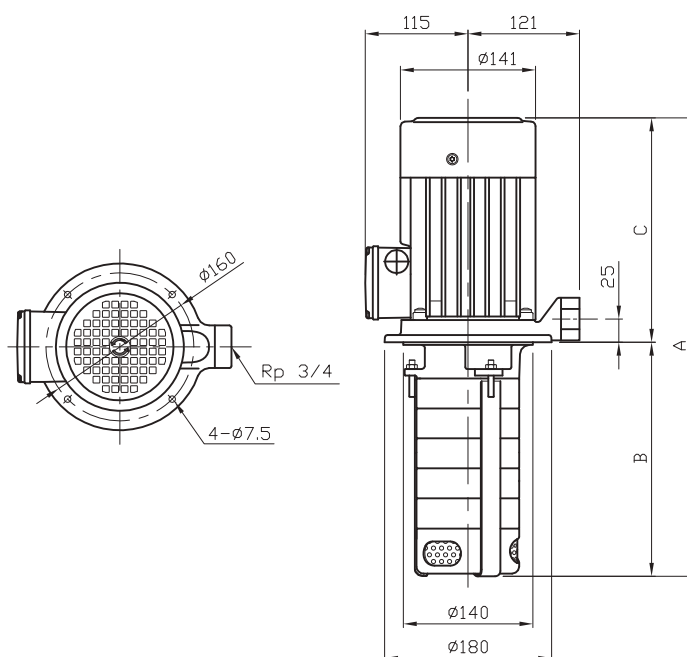
Pump Type	3X220-255/380-440V		Dimension (mm)			Net Weight (kg)
	P ₁ [W]	I _N [A]	A	B	C	
CBK 2-110/1	340	1.4-1.6 / 0.8-0.9	490	286	204	13.0
CBK 2-110/2	530	1.9-2.1 / 1.1-1.2	490	286	204	13.2
CBK 2-110/3	750	2.4-2.6 / 1.4-1.5	490	286	204	13.4
CBK 2-110/4	950	2.9-3.1 / 1.7-1.8	490	286	204	13.5
CBK 2-110/5	1280	3.8-4.0 / 2.2-2.3	530	286	244	14.8
CBK 2-110/6	1340	4.0-4.2 / 2.3-2.4	530	286	244	15.0
CBK 2-110/7	1750	5.4-5.6 / 3.1-3.2	530	286	244	16.3
CBK 2-110/8	1820	5.6-5.7 / 3.2-3.3	530	286	244	16.3





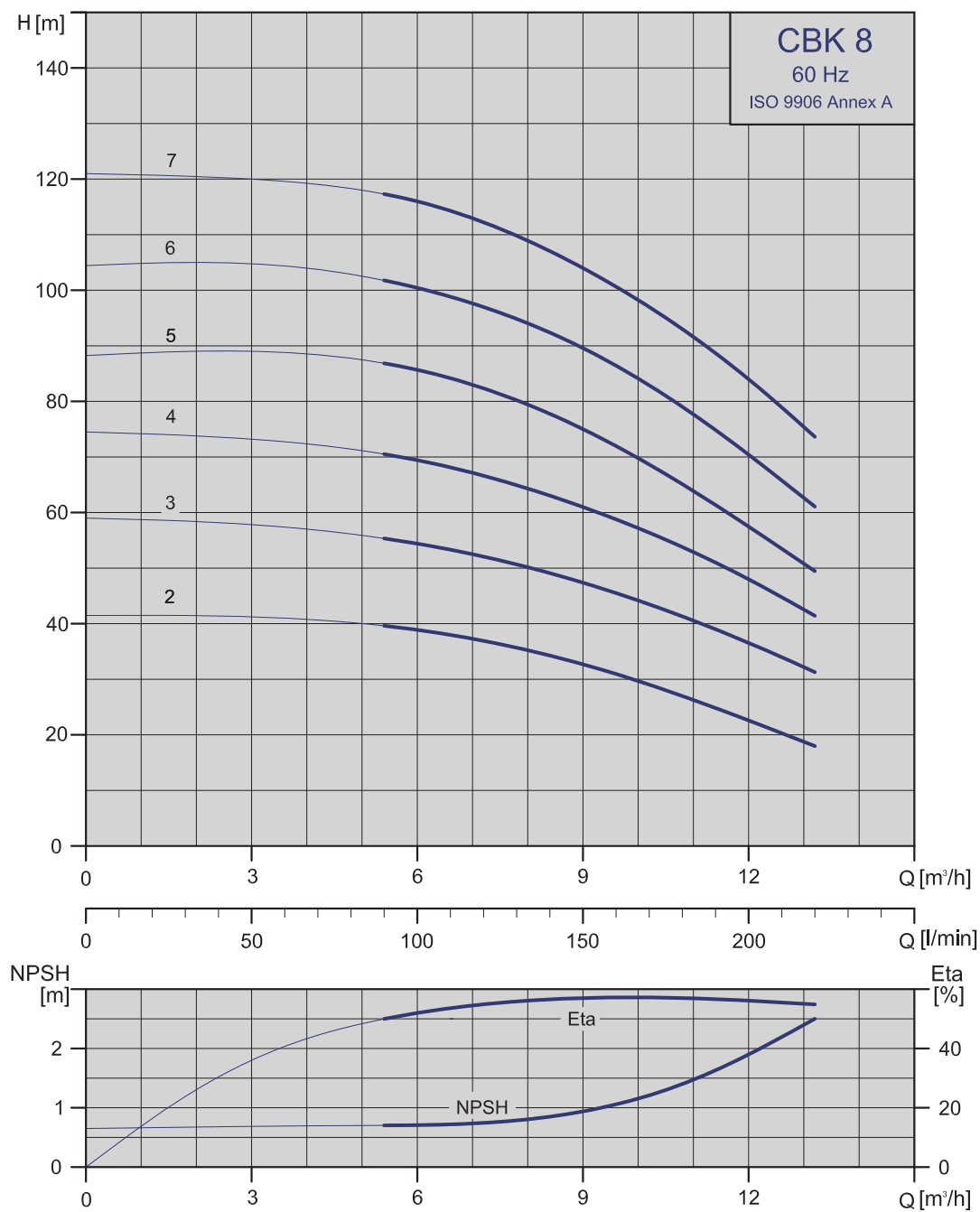
Dual Frequency

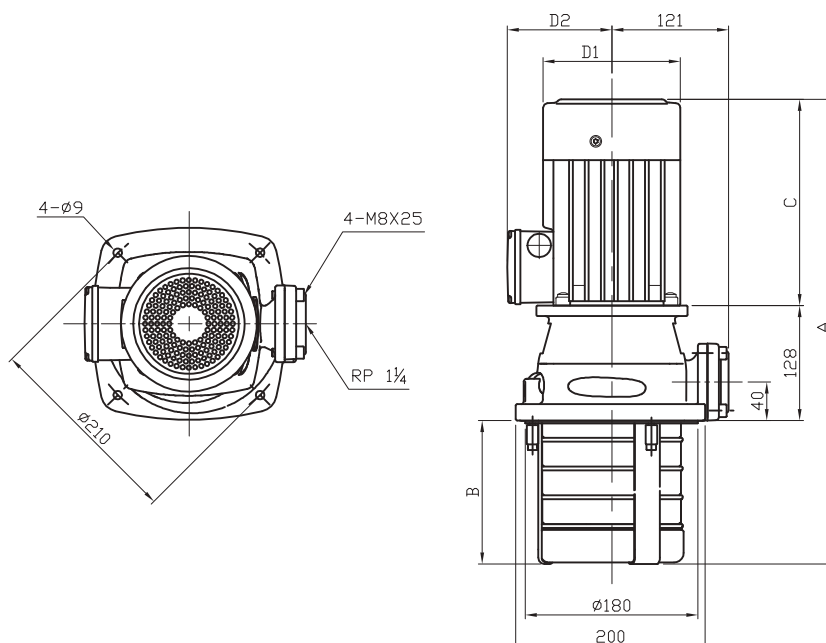
Pump Type	3X220-255/380-440V		Dimension (mm)			Net Weight (kg)
	P ₁ [W]	I _N [A]	A	B	C	
CBK 4-20/1	520	1.7-1.9 / 1.0-1.1	346	142	204	11.5
CBK 4-20/2	905	2.9-3.1 / 1.7-1.8	346	142	204	11.6
CBK 4-30/1	520	1.7-1.9 / 1.0-1.1	373	169	204	11.7
CBK 4-30/2	905	2.9-3.1 / 1.7-1.8	373	169	204	11.9
CBK 4-30/3	1330	4.2-4.3 / 2.4-2.5	413	169	244	13.4
CBK 4-40/1	520	1.7-1.9 / 1.0-1.1	400	196	204	12.0
CBK 4-40/2	905	2.9-3.1 / 1.7-1.8	400	196	204	12.1
CBK 4-40/3	1330	4.2-4.3 / 2.4-2.5	440	196	244	13.7
CBK 4-40/4	1650	5.0-5.2 / 2.9-3.0	440	196	244	14.9
CBK 4-50/1	520	1.7-1.9 / 1.0-1.1	427	223	204	12.1
CBK 4-50/2	905	2.9-3.1 / 1.7-1.8	427	223	204	12.3
CBK 4-50/3	1330	4.2-4.3 / 2.4-2.5	467	223	244	14.0
CBK 4-50/4	1650	5.0-5.2 / 2.9-3.0	467	223	244	15.1
CBK 4-50/5	1950	5.9-6.0 / 3.4-3.5	467	223	244	15.2
CBK 4-60/1	520	1.7-1.9 / 1.0-1.1	454	250	204	12.4
CBK 4-60/2	905	2.9-3.1 / 1.7-1.8	454	250	204	12.5
CBK 4-60/3	1330	4.2-4.3 / 2.4-2.5	494	250	244	14.1
CBK 4-60/4	1650	5.0-5.2 / 2.9-3.0	494	250	244	15.3
CBK 4-60/5	1950	5.9-6.0 / 3.4-3.5	494	250	244	15.5



Dual Frequency

Pump Type	3X220-255/380-440V		Dimension (mm)			Net Weight (kg)
	P ₁ [W]	I _N [A]	A	B	C	
CBK 4-70/1	520	1.7-1.9 / 1.0-1.1	481	277	204	12.5
CBK 4-70/2	905	2.9-3.1 / 1.7-1.8	481	277	204	12.6
CBK 4-70/3	1330	4.2-4.3 / 2.4-2.5	521	277	244	14.2
CBK 4-70/4	1650	5.0-5.2 / 2.9-3.0	521	277	244	15.5
CBK 4-70/5	1950	5.9-6.0 / 3.4-3.5	521	277	244	15.6
CBK 4-80/1	520	1.7-1.9 / 1.0-1.1	508	304	204	12.7
CBK 4-80/2	905	2.9-3.1 / 1.7-1.8	508	304	204	12.9
CBK 4-80/3	1330	4.2-4.3 / 2.4-2.5	548	304	244	14.5
CBK 4-80/4	1650	5.0-5.2 / 2.9-3.0	548	304	244	15.7
CBK 4-80/5	1950	5.9-6.0 / 3.4-3.5	548	304	244	15.9

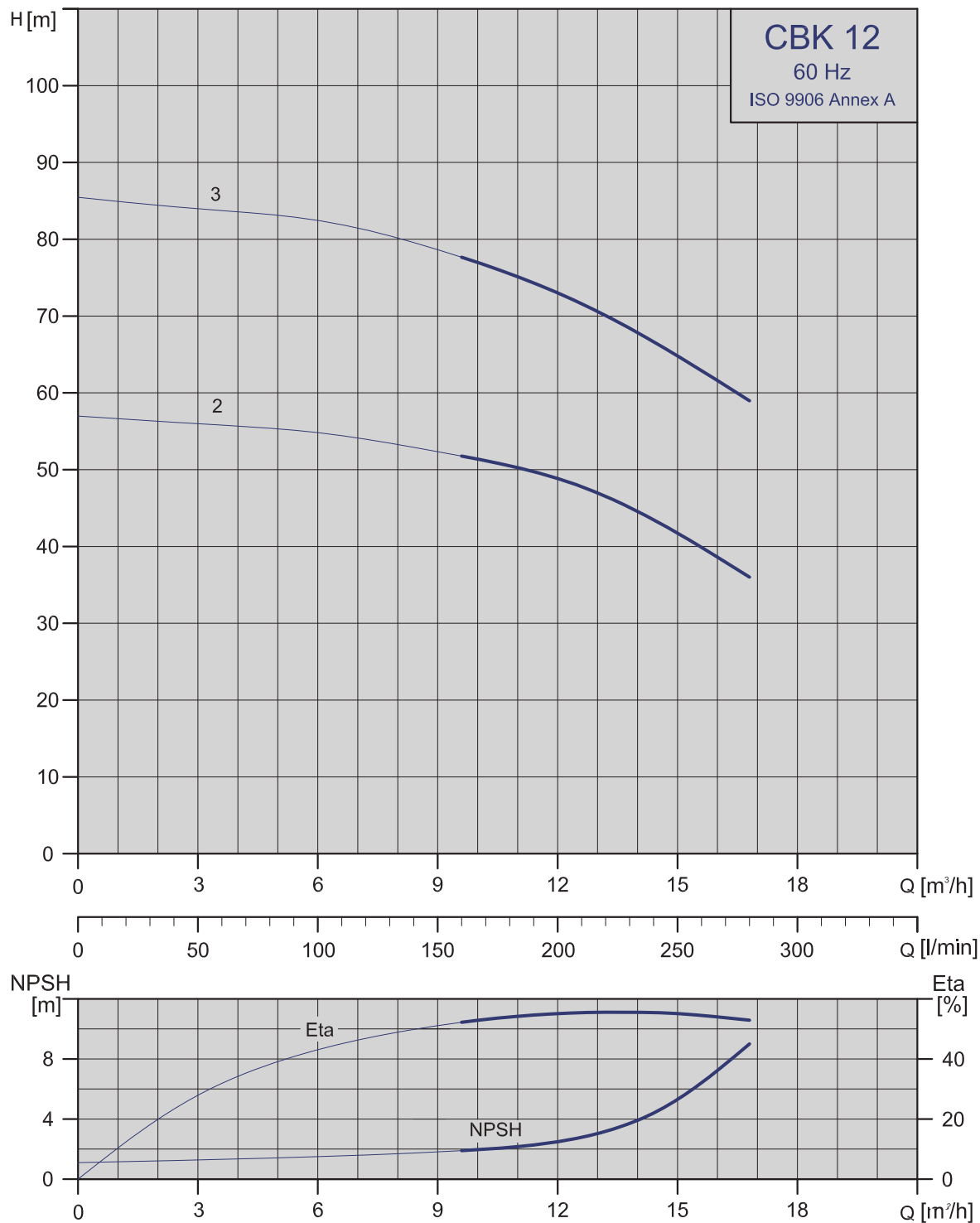


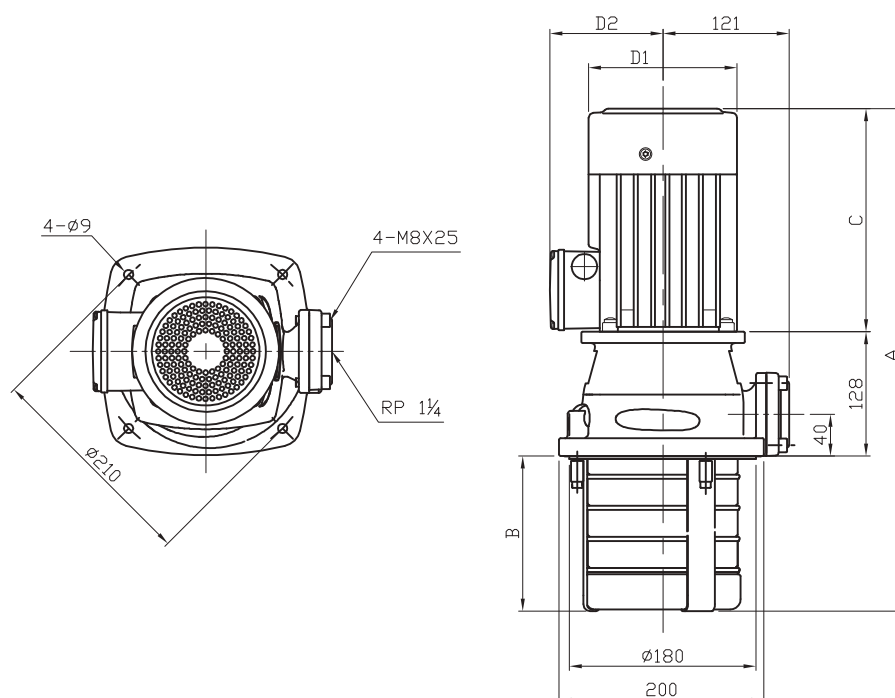


Dual Frequency

Pump Type	3X220-255/380-440V		Dimension (mm)					Net Weight (kg)
	P ₁ [W]	I _N [A]	A	B	C	D1	D2	
CBK-8-20/2	1724	5.3-5.0 / 3.1-2.9	423	60	235	141	115	19.25
CBK-8-30/2	1724	5.3-5.0 / 3.1-2.9	453	90	235	141	115	19.42
CBK-8-40/2	1724	5.3-5.0 / 3.1-2.9	483	120	235	141	115	20.06
CBK-8-50/2	1724	5.3-5.0 / 3.1-2.9	513	150	235	141	115	20.45
CBK-8-60/2	1724	5.3-5.0 / 3.1-2.9	543	180	235	141	115	20.79
CBK-8-70/2	1724	5.3-5.0 / 3.1-2.9	573	210	235	141	115	21.64

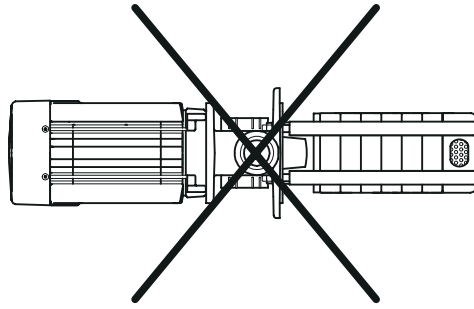
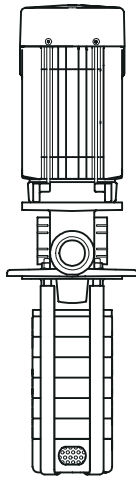
Pump Type	3X220-277/380-480V		Dimension (mm)					Net Weight (kg)
	P ₁ [W]	I _N [A]	A	B	C	D1	D2	
CBK-8-30/3	2648	7.3-7.0 / 4.2-4.1	509	90	291	177	141	28.53
CBK-8-40/3	2648	7.3-7.0 / 4.2-4.1	539	120	291	177	141	28.88
CBK-8-40/4	3352	9.2-9.1 / 5.3-5.2	539	120	291	177	141	31.29
CBK-8-50/3	2648	7.3-7.0 / 4.2-4.1	569	150	291	177	141	29.23
CBK-8-50/4	3352	9.2-9.1 / 5.3-5.2	569	150	291	177	141	31.69
CBK-8-50/5	4114	12.0-12.4 / 7.0-7.3	594	150	316	197	147	37.74
CBK-8-60/3	2648	7.3-7.0 / 4.2-4.1	599	180	291	177	141	29.58
CBK-8-60/4	3352	9.2-9.1 / 5.3-5.2	599	180	291	177	141	32.04
CBK-8-60/5	4114	12.0-12.4 / 7.0-7.3	624	180	316	197	147	37.39
CBK-8-60/6	4800	14.0-12.9 / 8.2-7.5	634	180	326	220	161	43.93
CBK-8-70/3	2648	7.3-7.0 / 4.2-4.1	629	210	291	177	141	29.93
CBK-8-70/4	3352	9.2-9.1 / 5.3-5.2	629	210	291	177	141	32.39
CBK-8-70/5	4114	12.0-12.4 / 7.0-7.3	654	210	316	197	147	37.74
CBK-8-70/6	4800	14.0-12.9 / 8.2-7.5	664	210	326	220	161	44.28
CBK-8-70/7	5448	15.6-14.6 / 9.1-8.5	664	210	326	220	161	44.71



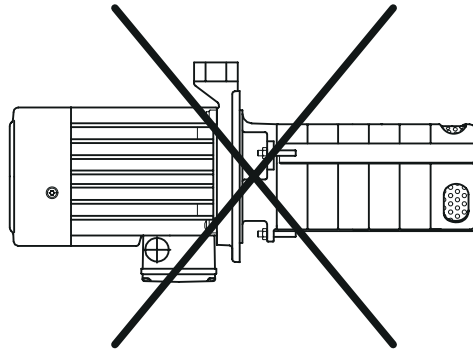
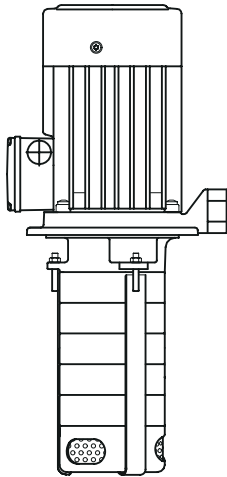


Dual Frequency

Pump Type	3X220-277/380-480V		Dimension (mm)					Net Weight (kg)
	P ₁ [W]	I _N [A]	A	B	C	D1	D2	
CBK-12-20/2	3867	11.3-11.6 / 6.6-6.8	504	60	316	197	147	34.82
CBK-12-30/2	3867	11.3-11.6 / 6.6-6.8	534	90	316	197	147	35.17
CBK-12-30/3	5619	15.6-14.2 / 9.0-8.3	544	90	326	220	161	41.69
CBK-12-40/2	3867	11.3-11.6 / 6.6-6.8	564	120	316	197	147	35.52
CBK-12-40/3	5619	15.6-14.2 / 9.0-8.3	574	120	326	220	161	42.05
CBK-12-50/2	3867	11.3-11.6 / 6.6-6.8	594	150	316	197	147	35.87
CBK-12-50/3	5619	15.6-14.2 / 9.0-8.3	604	150	326	220	161	42.40
CBK-12-60/2	3867	11.3-11.6 / 6.6-6.8	624	180	316	197	147	36.22
CBK-12-60/3	5619	15.6-14.2 / 9.0-8.3	634	180	326	220	161	42.75
CBK-12-70/2	3867	11.3-11.6 / 6.6-6.8	654	210	316	197	147	36.57
CBK-12-70/3	5619	15.6-14.2 / 9.0-8.3	664	210	326	220	161	43.10



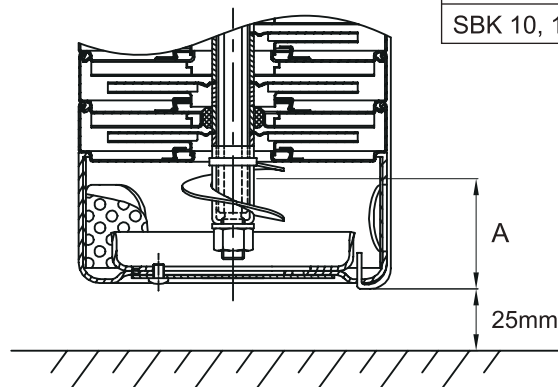
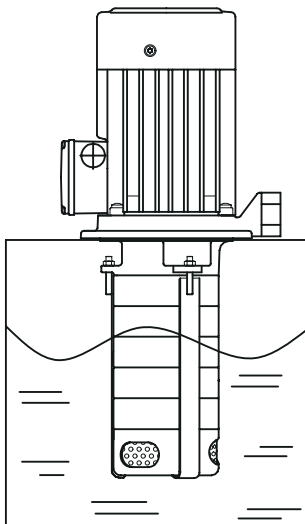
SBK series



CBK series

Note

- > When you install the SBK 1,3,5,10,15,20 or CBK 2,4,8,12 series pumps, you must follow the instruction as below.
- > The distance between the liquid level and the pump bottom (Minimum) : A (mm)
- > The distance between the pump and the tank bottom (Minimum) : 25mm



機型	A(mm)
CBK 2, 4, 8, 12	40
SBK 1, 3, 5	40
SBK 10, 15, 20	50



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