MADE IN BHARAT

SHAKTI
PUMPING LIFE

FIRE FIGHTING PUMPSET

DATA BOOKLET





SHAKTI

THE POWER OF INNOVATION, EFFICIENCY & TECHNOLOGY.

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Considering continuous product development the information/performance/specifications and illustrations disseminated in this catalogue are subject to change without notice.



INTRODUCTION

The foundation of Shakti Pumps (India) Ltd. Was laid in 1982.From a humble beginning, we have gone from strength to strength to become India's largest manufacturer of submersible pumps and motors today.

An ISO 90001-2015, ISO 14001:2015 & BS OHSOS 18001:2007company, our cutting edge manufacturing facility with an installed capacity of pumps per annum is located in central India at Pithampur (M.P).

We accord paramount importance to quality. Be it practices, procedures or people, each and every aspect of our company comes together to ensure that customer get products and services of the highest quality.

Our quality control and testing labs are amongst the most advanced setups in the country. Enabling us to meet international quality standards consistently.



OVERVIEW OF FIRE PROTECTION:

Today, most equipment used in offices, industries, and residential applications is highly sophisticated and of high value. Every workplace contains mission-critical areas that must be protected against fire hazards, not only to safeguard life and property but also to ensure uninterrupted business operations.
The most common fuels involved in fire and explosion incidents include petroleum products, cellulose-based materials (such as wood, paper, and cloth), and polymers.

PRODUCT OVERVIEW:

The horizontal shaft design with an overhung impeller and bearing arrangement provides a space-saving end-suction configuration, making it one of the most widely used centrifugal pump arrangements.
Shakti Fire Fighting Pumps are designed to meet demanding pumping requirements with high performance and efficiency. This product range can be customised to suit specific customer applications.
Shakti automatic fire pump sets are typically used in fire protection systems to supply water to fire hose reels, fire hydrants, and sprinkler systems.
Shakti fire pump sets are supplied as factory-tested units and consist of:

- Two horizontal, single-stage, end-suction pumps, with one electrically driven pump and one diesel engine-driven pump.
- One Shakti SCR multistage, electrically driven jockey pump.

The jockey pump is connected to the common discharge manifold. It automatically maintains system pressure by compensating for leakage and prevents unnecessary starting of the duty pump when there is no demand.

OPERATION :

The jockey pump maintains the required system pressure and compensates for minor leakages, thereby preventing unnecessary operation of the duty pump. Whenever the system demand requires it, the duty pump starts automatically to deliver the flow rate specified under the operating conditions.
If installed, a second diesel engine-driven pump serves as a standby unit, ensuring continuous water supply to the fire protection system in the event of failure of the primary duty pump.



FIRE PUMPSET

APPLICATION:

- Fireworks Industries
- Commercial Complexes
- Petrochemical Industries
- Gas Plants
- High Rise Buildings
- Godowns
- Airports and Ports
- Marine Applications
- Hospital
- Schools and Colleges
- Power Stations and Transformer Stations





DIESEL ENGINE FIRE PUMP



ELECTRIC FIRE PUMP

STANDARDISATION :

- Manufactured in accordance with ISO 2858 standards.
- Engineered to meet IS 12469:1988 fire-fighting pump system standards for superior durability and longer service life.

FEATURES :

- The pumps are non self priming, single stage, centrifugal volute pumps with axial suction port, radial discharge port and horizontal shaft.
- The pumps are of the back pull out design enabling removal and dismantling of the motor, coupling, bearing bracket and impeller without disturbing the pump housing or pipework.
- All pumps are dynamically balanced according to ISO 1940 class 6.3.
- Efficient operation
- Reduced installation time and cost



MATERIAL OF CONSTRUCTION :

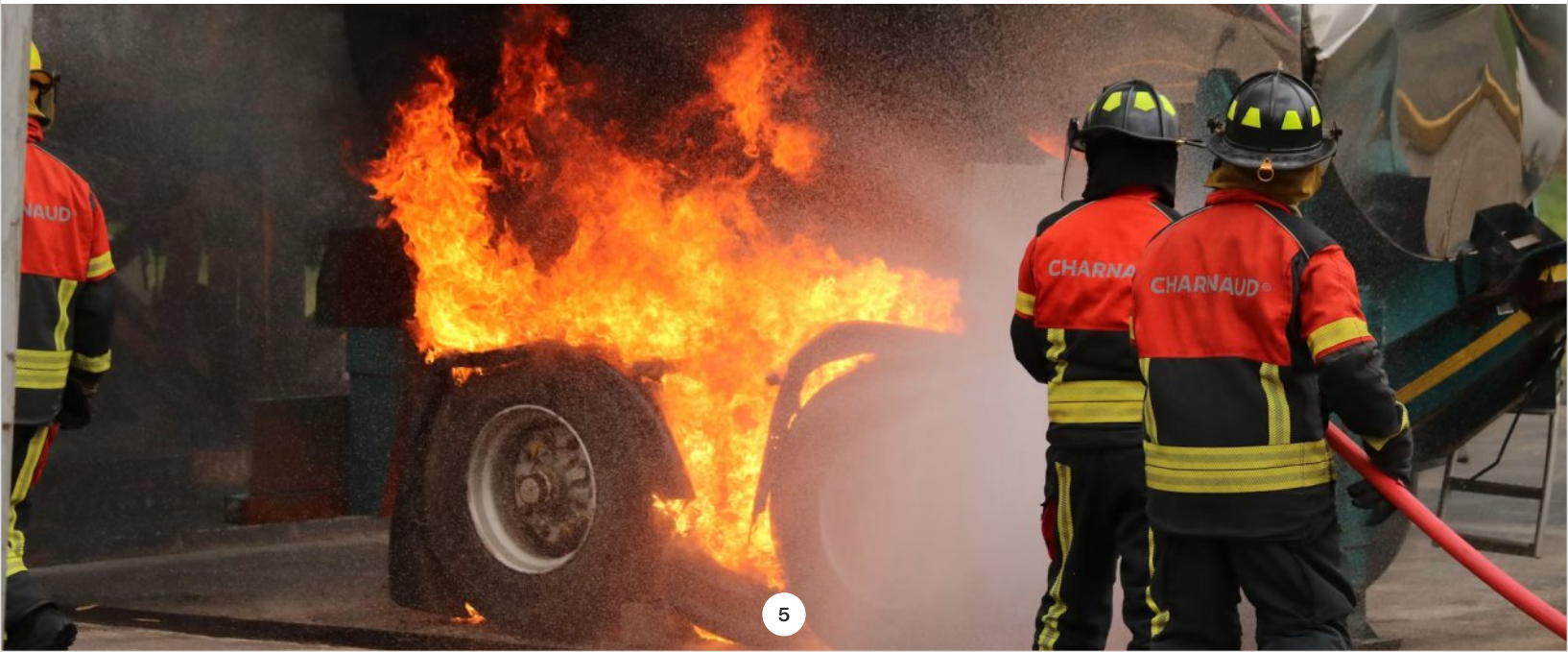
Sr. No.	PUMP MODEL	MOC- REGULAR		OTHER AVIALBLE IMPELLER (MOC)
		PUMP HOUSING	IMPELLER	
1	32-160	CI	SS	N/A
2	32-200	CI	SS	N/A
3	40-160	CI	SS	N/A
4	40-200	CI	SS	N/A
5	40-250	CI	SS	N/A
6	50-125	CI	SS	N/A
7	50-160	CI	SS	N/A
8	50-200	CI	SS	N/A
9	65-125	CI	SS	N/A
10	65-160	CI	SS	N/A
11	65-200	CI	SS	N/A
12	65-250	CI	CI	BRONZE (LTB2) / SS
13	65-315	CI	CI	BRONZE (LTB2) / SS
14	80-160	CI	CI	BRONZE (LTB2) / SS
15	80-200	CI	CI	BRONZE (LTB2)
16	80-250	CI	CI	BRONZE (LTB2) / SS
17	80-315	CI	CI	BRONZE (LTB2) / SS
18	100-200	CI	CI	BRONZE (LTB2) / SS
19	100-250	CI	CI	BRONZE (LTB2)
20	100-315	CI	CI	BRONZE (LTB2) / SS

Abbreviation
1. CI - Cast Iron
2. SS - Stainless Steel

PERFORMANCE CURVE

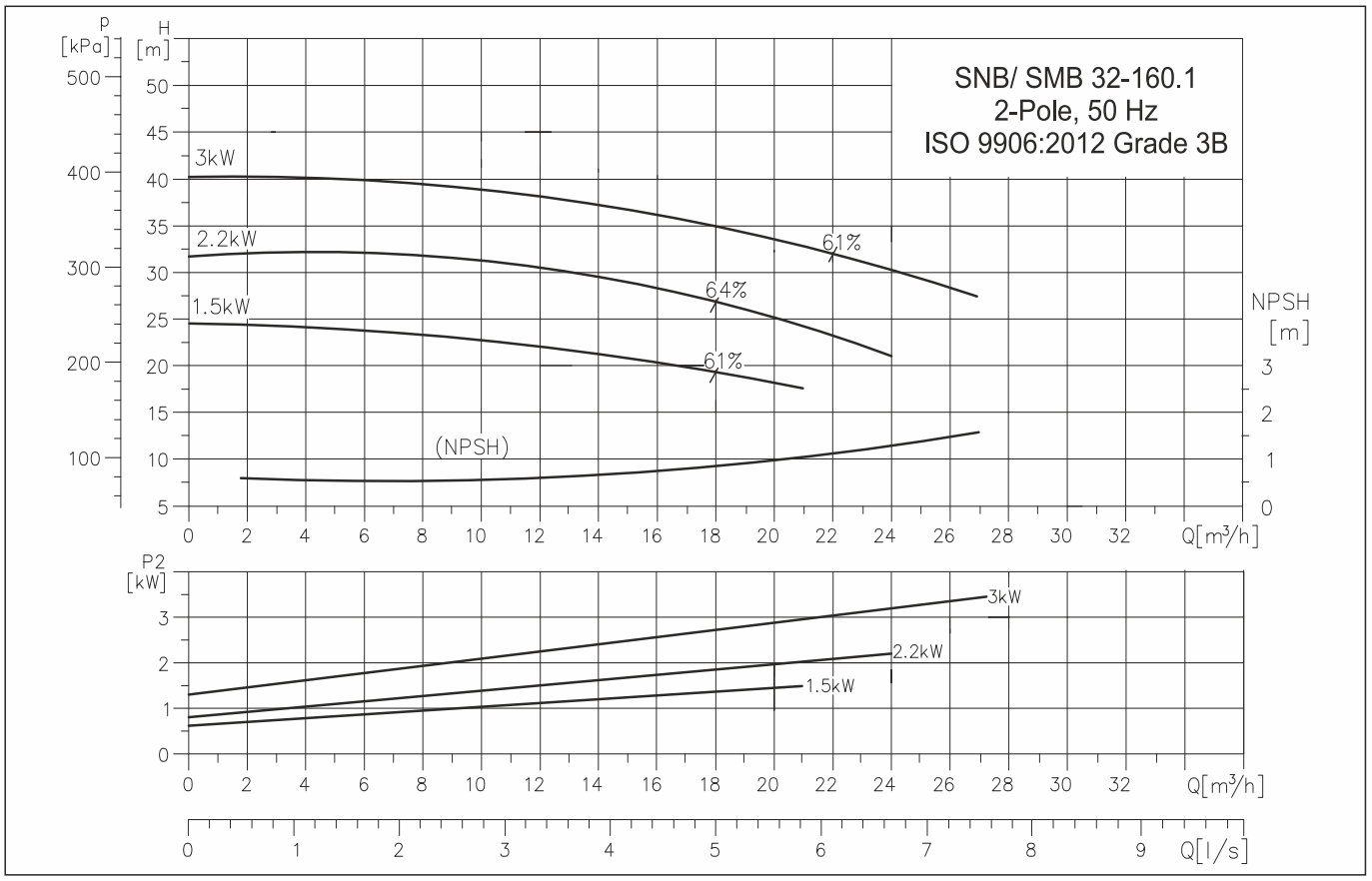
TERRACE BOOSTER FIRE FIGHTING PUMPS

BOOSTER PUMP SET						
Sr. No.	FIRE DUTY POINTS			PUMP MODEL	MOTOR (H.P.)	POLE / FREQUENCY
	Flow (LPM)	Flow (M3/HR)	Head (Meter)			
1	450	27	22	32-160	4	2P / 50HZ
2	450	27	30	32-160	5.5	2P / 50HZ
3	450	27	35	32-200	7.5	2P / 50HZ
4	900	54	30	50-160	10	2P / 50HZ
5	900	54	35	50-160	12.5	2P / 50HZ
6	900	54	40	50-160	15	2P / 50HZ
7	900	54	50	40-200	20	2P / 50HZ
8	900	54	56	40-200	20	2P / 50HZ



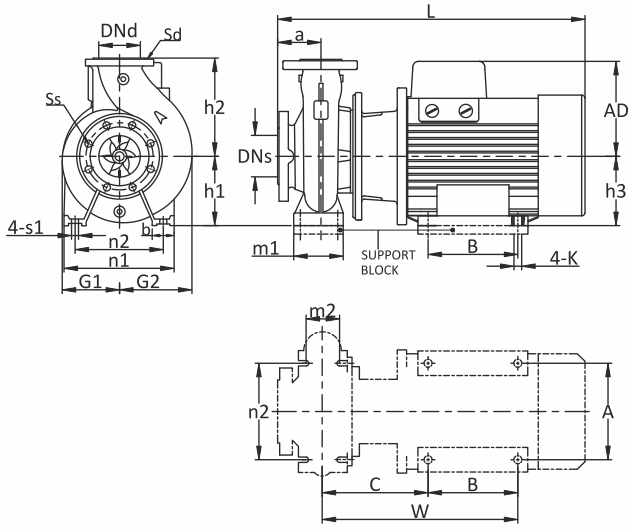
PERFORMANCE CURVE

SNB/SMB CI 32-160.1 (2 POLE)

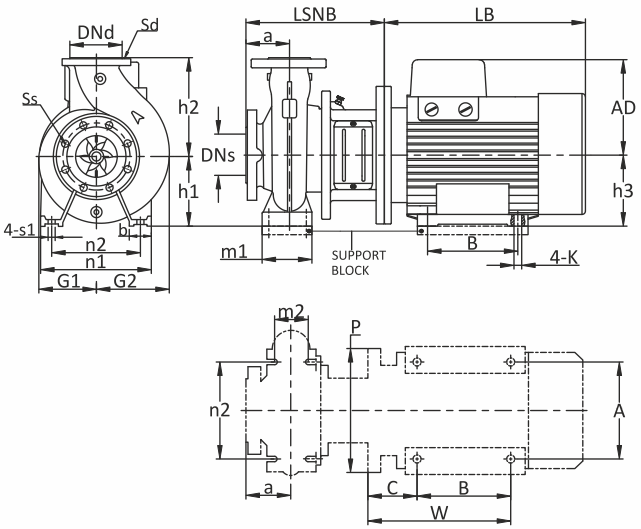


[kW / HP]		Suc. x Del.	Material Code
1.5 / 2.0	:	50 x 40 mm	9000020973 (SNB), 9000023298 (SMB)
2.2 / 3.0	:	50 x 40 mm	9000020975 (SNB), 9000023299 (SMB)
3.0 /4.0	:	50 x 40 mm	9000019990 (SNB), 9000019360 (SMB)

SMB CI



SNB CI



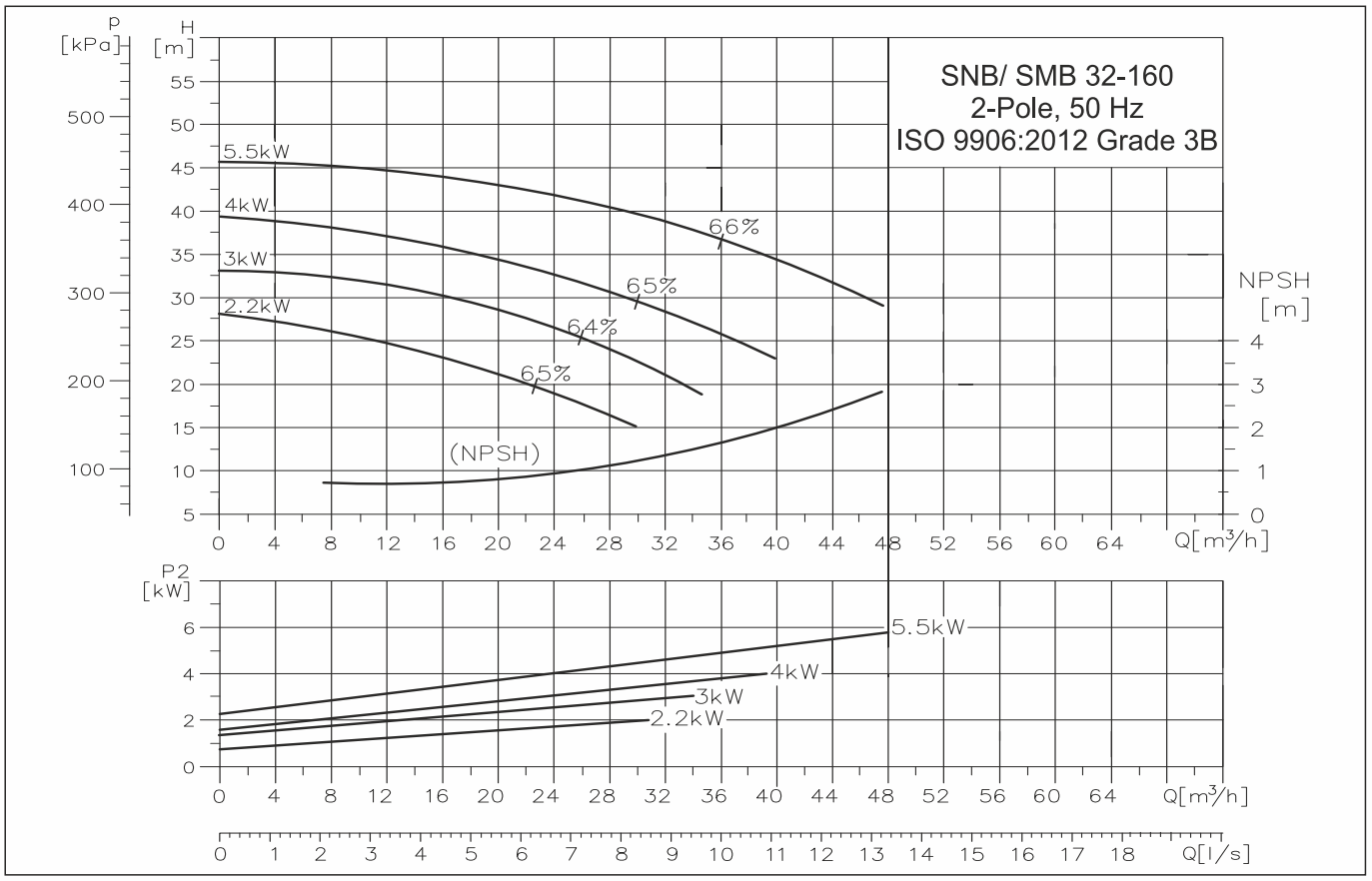
PERFORMANCE TABLE

SNB/SMB CI 32-160.1 (2 POLE)

Pump type			32-160.1		
Motor type	**HIGH EFF. MOTOR**		**SMG 90**	**SMG 90**	**SMG 100**
COMMON DATA SNB/SMB CI	P_2	[kW/HP]	1.5/2.0	2.2/3.0	3.0/4.0
	PN	[bar]	16	16	16
	DNs	[mm]	50	50	50
	DNd	[mm]	32	32	32
	a	[mm]	80	80	80
	h2	[mm]	160	160	160
	h1	[mm]	132	132	132
	Ss		4x19	4x19	4x19
	Sd		4x19	4x19	4x19
	G1	[mm]	115	115	115
	G2	[mm]	123	123	123
	m1	[mm]	91	91	91
	m2	[mm]	70	70	70
	n1	[mm]	240	240	240
	n2	[mm]	190	190	190
	b	[mm]	50	50	50
	s1	[mm]	M12	M12	M12
SNB CI DATA	AD	[mm]	145	163	170
	h3	[mm]	132	132	112
	A	[mm]	58.4	58.4	189
	B	[mm]	-	-	140
	K	[mm]	2X M8	2X M8	M12
	L SNB	[mm]	225	225	253
	LB	[mm]	284	325	332
	C	[mm]	-	-	60
	P	[mm]	200	200	250
	W	[mm]	171	193	-
	NET WT. (APX.)	[kg]	45	45	60
SMB CI DATA	AD	[mm]	145	145	170
	h3	[mm]	132	132	112
	A	[mm]	58.4	58.4	189
	B	[mm]	-	-	140
	K	[mm]	2X M8	2X M8	M12
	L	[mm]	458	458	500
	C	[mm]	-	-	148
	W	[mm]	265	265	-
	NET WT. (APX.)	[kg]	36	40	60

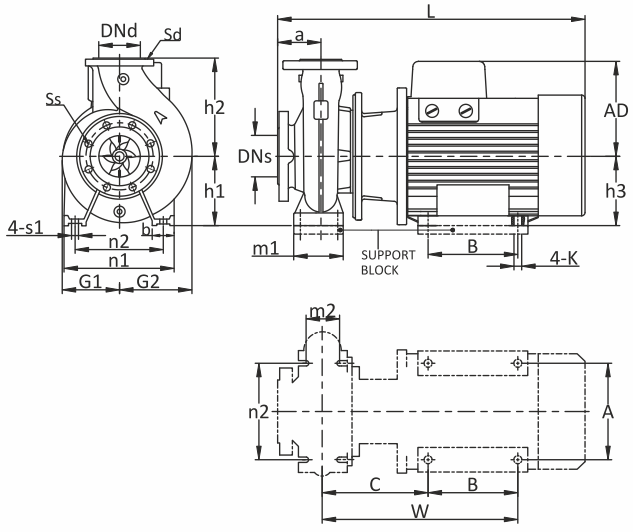
PERFORMANCE CURVE

SNB/SMB CI 32-160 (2 POLE)

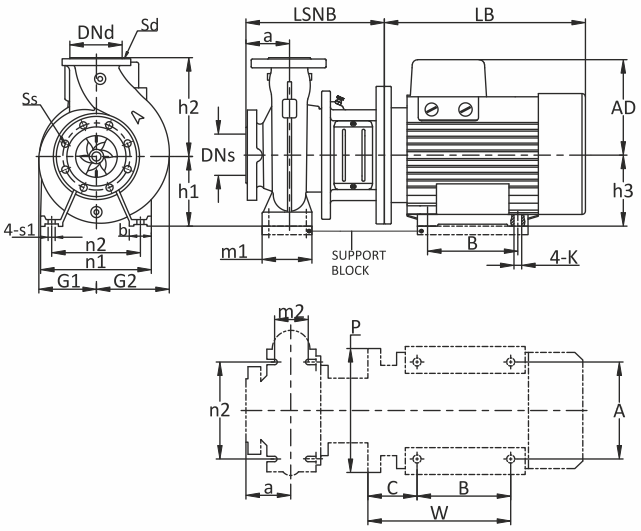


[kW / HP]		Suc. x Del.	Material Code
2.2 / 3.0	:	50 x 50 mm	9000020978 (SNB), 9000023297 (SMB)
3.7 / 4.0	:	50 x 50 mm	9000019991 (SNB), 9000023012 (SMB)
4.0 / 5.5	:	50 x 50 mm	9000020958 (SNB), 9000019365 (SMB)
5.5 / 7.5	:	50 x 50 mm	9000020963 (SNB), 9000019370 (SMB)

SMB CI



SNB CI



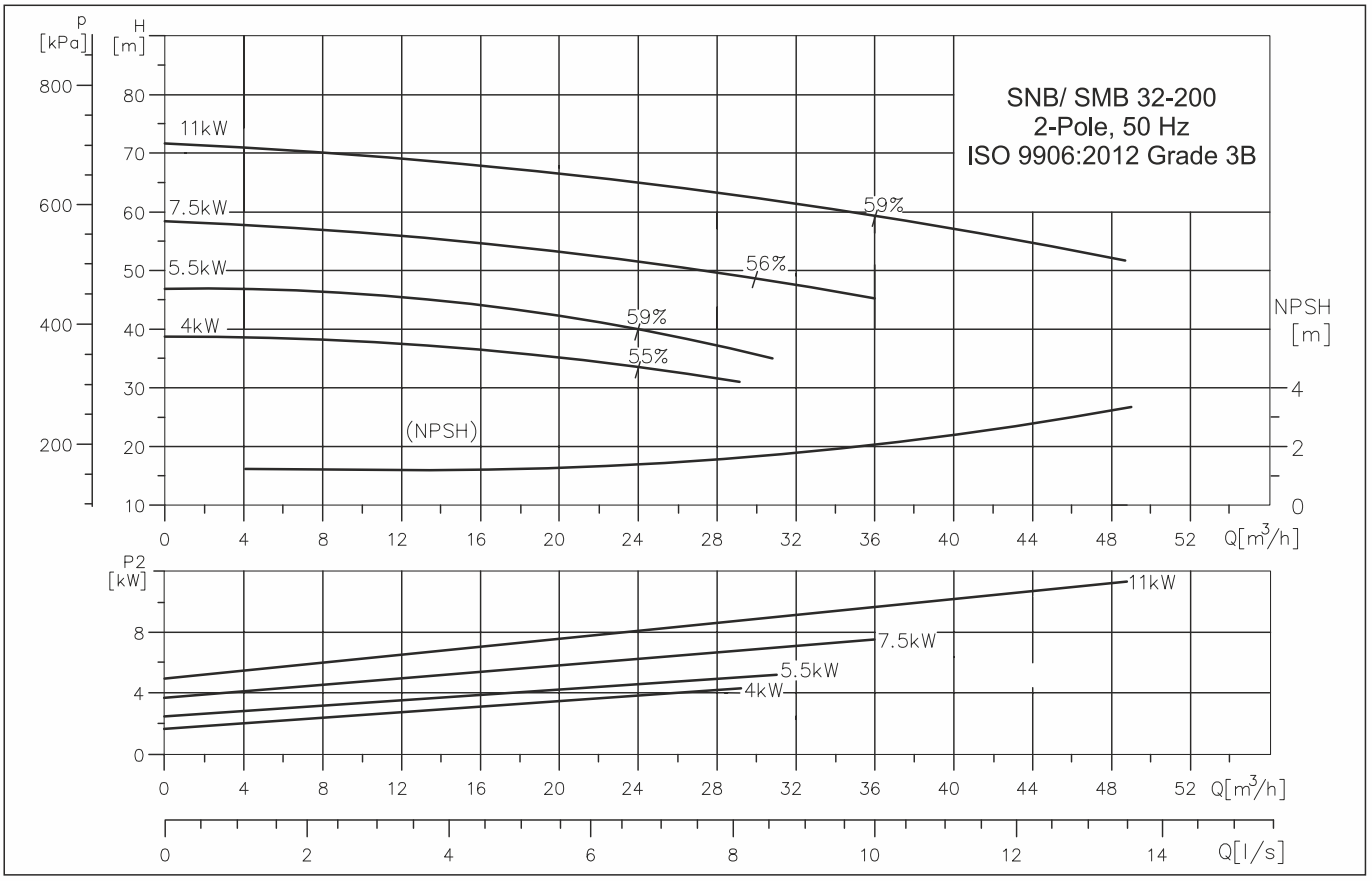
PERFORMANCE TABLE

SNB/SMB CI 32-160 (2 POLE)

Pump type			32-160			
Motor type	**HIGH EFF. MOTOR**		**SMG 90**	**SMG 100**	**SMG 100**	**SMG 132**
COMMON DATA SNB/SMB CI	P_2	[kW/HP]	2.2/3.0	3.0/4.0	4.0/5.5	5.5/7.5
	PN	[bar]	16	16	16	16
	DNs	[mm]	50	50	50	50
	DNd	[mm]	32	32	32	32
	a	[mm]	80	80	80	80
	h2	[mm]	160	160	160	160
	h1	[mm]	132	132	132	132
	Ss		4x19	4x19	4x19	4x19
	Sd		4x19	4x19	4x19	4x19
	G1	[mm]	115	115	115	115
	G2	[mm]	125	125	125	125
	m1	[mm]	100	100	100	100
	m2	[mm]	70	70	70	70
	n1	[mm]	240	240	240	240
	n2	[mm]	190	190	190	190
	b	[mm]	50	50	50	50
	s1	[mm]	M12	M12	M12	M12
SNB CI DATA	AD	[mm]	163	170	170	138
	h3	[mm]	132	112	112	160
	A	[mm]	58.4	189	189	195
	B	[mm]	-	140	140	120
	K	[mm]	2X M8	M12	M12	M12
	L SNB	[mm]	224	252	252	291
	LB	[mm]	325	332	332	410
	C	[mm]	-	60	60	136
	P	[mm]	200	250	250	300
	W	[mm]	193	-	-	-
	NET WT. (APX.)	[kg]	56	59	60	100
SMB CI DATA	AD	[mm]	145	170	170	138
	h3	[mm]	132	112	112	160
	A	[mm]	58.4	189	189	195
	B	[mm]	-	140	140	120
	K	[mm]	2X M8	M12	M12	M12
	L	[mm]	458	499	499	568
	C	[mm]	-	147	147	214
	W	[mm]	265	-	-	-
	NET WT. (APX.)	[kg]	49	52	55	60

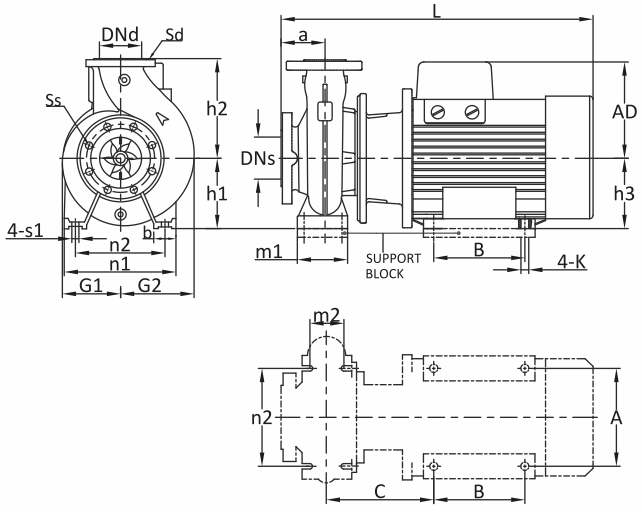
PERFORMANCE CURVE

SNB/SMB CI 32-200 (2 POLE)

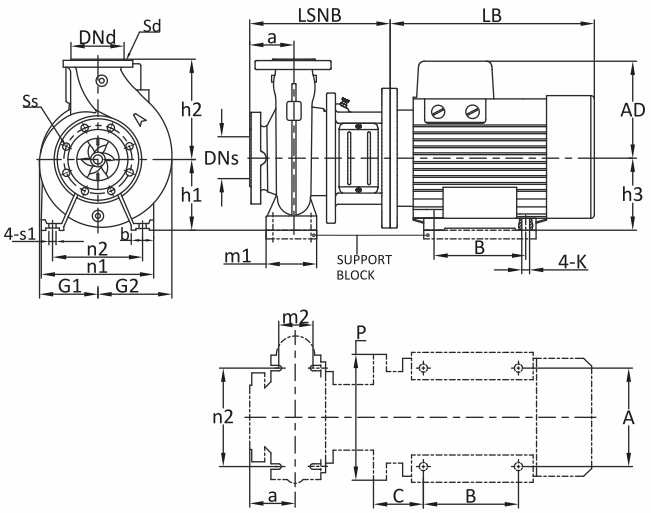


[kW / HP]		Suc. x Del.	Material Code
4.0 / 5.5	:	50 x 40 mm	9000020959 (SNB), 9000019366 (SMB)
5.5 / 7.5	:	50 x 40 mm	9000020964 (SNB), 9000019371 (SMB)
7.5 / 10.0	:	50 x 40 mm	9000020968 (SNB), 9000019377 (SMB)
11.0 / 15.0	:	50 x 50 mm	9000019104 (SNB), 9000019384 (SMB)

SMB CI



SNB CI



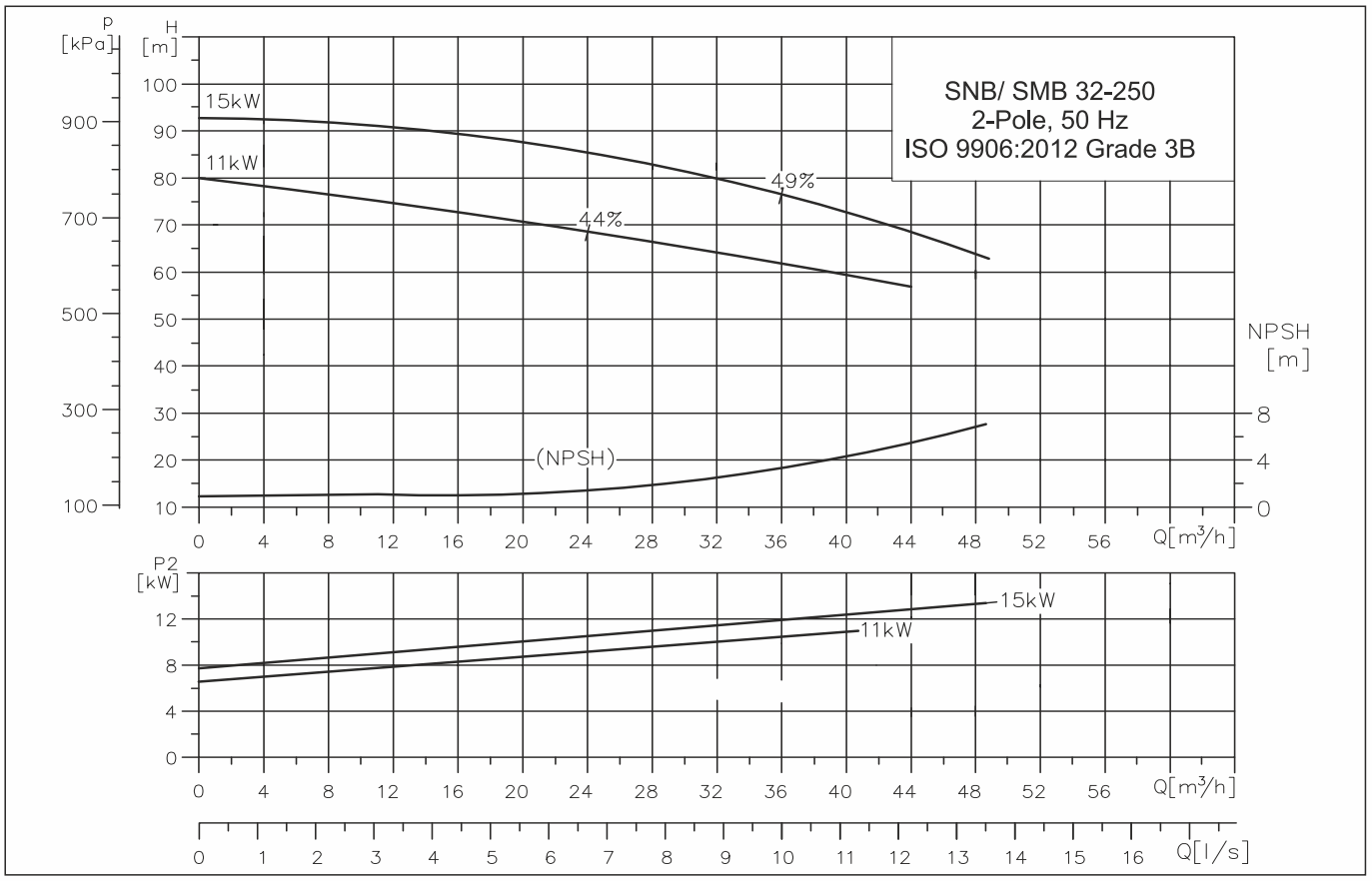
PERFORMANCE TABLE

SNB/SMB CI 32-200 (2 POLE)

Pump type			32-200			
Motor type	HIGH EFF. MOTOR		SMG 100	SMG 132	SMG 132	SMG 160
COMMON DATA SNB/SMB CI	P_2	[kW/HP]	4/5.5	5.5/7.5	7.5/10	11/15
	PN	[bar]	16	16	16	16
	DNs	[mm]	50	50	50	50
	DNd	[mm]	32	32	32	32
	a	[mm]	80	80	80	80
	h2	[mm]	180	180	180	180
	h1	[mm]	160	160	160	160
	Ss		4x19	4x19	4x19	4x19
	Sd		4x19	4x19	4x19	4x19
	G1	[mm]	134	134	134	134
	G2	[mm]	145	145	145	145
	m1	[mm]	100	100	100	100
	m2	[mm]	70	70	70	70
	n1	[mm]	240	240	240	240
	n2	[mm]	190	190	190	190
	b	[mm]	50	50	50	50
	s1	[mm]	M12	M12	M12	M12
SNB CI DATA	AD	[mm]	170	138	138	233
	h3	[mm]	112	160	160	160
	A	[mm]	189	195	195	254
	B	[mm]	140	120	120	254
	K	[mm]	M12	M12	M12	M12
	L SNB	[mm]	251	290	290	320
	LB	[mm]	332	410	410	565
	C	[mm]	60	136	136	108
	P	[mm]	200	300	300	350
	NET WT. (APX.)	[kg]	85	89	95	130
SMB CI DATA	AD	[mm]	170	138	138	199
	h3	[mm]	112	160	160	170
	A	[mm]	189	195	195	232
	B	[mm]	140	120	120	310
	K	[mm]	M12	M12	M12	M16
	L	[mm]	498	567	567	669
	C	[mm]	147	214	214	137
	NET WT. (APX.)	[kg]	60	74	88	130

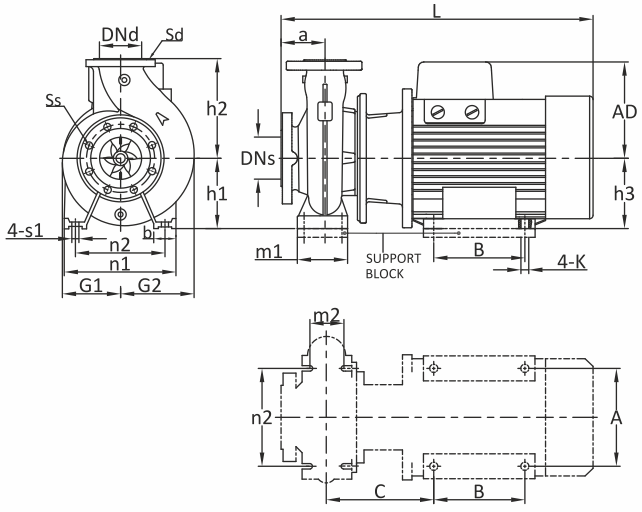
PERFORMANCE CURVE

SNB/SMB CI 32-250 (2 POLE)

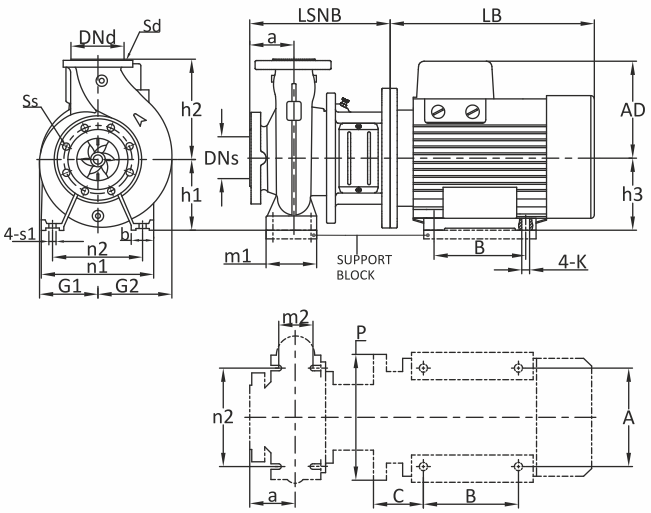


[kW / HP]	Suc. x Del.	Material Code
11.0 / 15.0 :	50 x 50 mm	9000021002 (SNB), 9000019385 (SMB)
15.0 / 20.0 :	50 x 50 mm	9000019981 (SNB), 9000019392 (SMB)

SMB CI



SNB CI



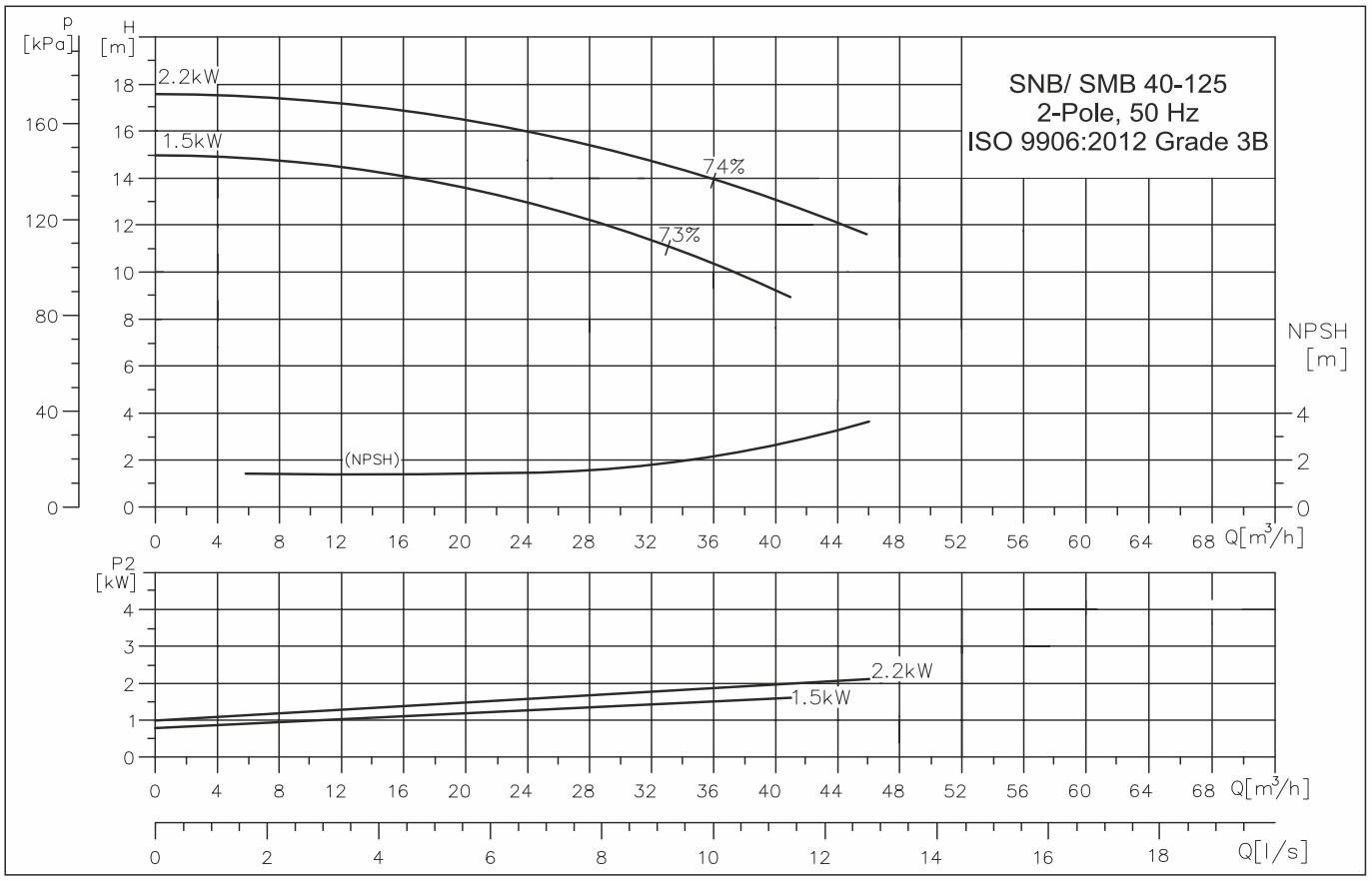
PERFORMANCE TABLE

SNB/SMB CI 32-250 (2 POLE)

Pump type			32-250	
Motor type	**HIGH EFF. MOTOR**		**SMG 160**	**SMG 160**
COMMON DATA SNB/SMB CI	P_2	[kW/HP]	11/15	15/20
	PN	[bar]	16	16
	DNs	[mm]	50	50
	DNd	[mm]	32	32
	a	[mm]	100	100
	h2	[mm]	225	225
	h1	[mm]	180	180
	Ss		4x19	4x19
	Sd		4x19	4x19
	G1	[mm]	162	162
	G2	[mm]	177	177
	m1	[mm]	125	125
	m2	[mm]	95	95
	n1	[mm]	320	320
	n2	[mm]	250	250
	b	[mm]	65	65
	s1	[mm]	M12	M12
SNB CI DATA	AD	[mm]	233	233
	h3	[mm]	160	160
	A	[mm]	254	254
	B	[mm]	254	254
	K	[mm]	M12	M12
	L SNB	[mm]	342	342
	LB	[mm]	565	565
	C	[mm]	108	108
	P	[mm]	350	350
	NET WT. (APX.)	[kg]	165	175
SMB CI DATA	AD	[mm]	199	233
	h3	[mm]	170	160
	A	[mm]	232	254
	B	[mm]	310	254
	K	[mm]	M16	M12
	L	[mm]	693	745
	C	[mm]	141.5	191.5
	NET WT. (APX.)	[kg]	132	165

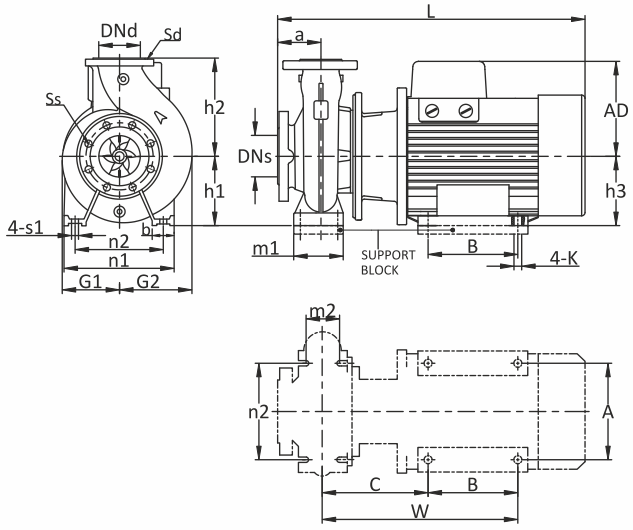
PERFORMANCE CURVE

SNB/SMB CI 40-125 (2 POLE)

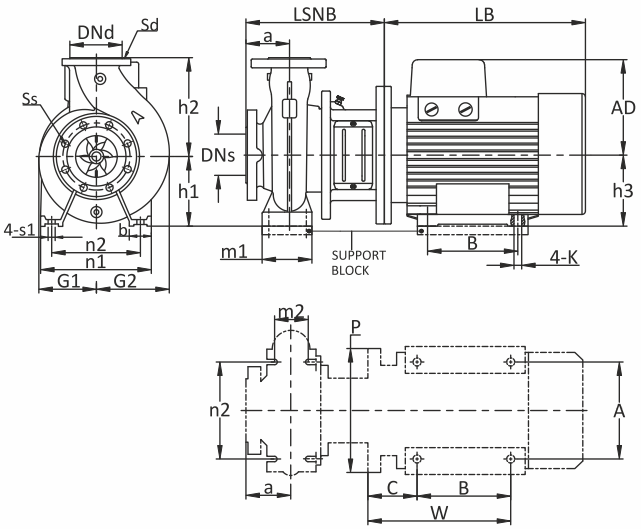


[kW / HP]	Suc. x Del.	Material Code
1.5 / 2.0	: 65 x 65 mm	9000020974 (SNB), 9000023300 (SMB)
2.2 / 3.0	: 65 x 65 mm	9000020976 (SNB), 9000023301 (SMB)

SMB CI



SNB CI



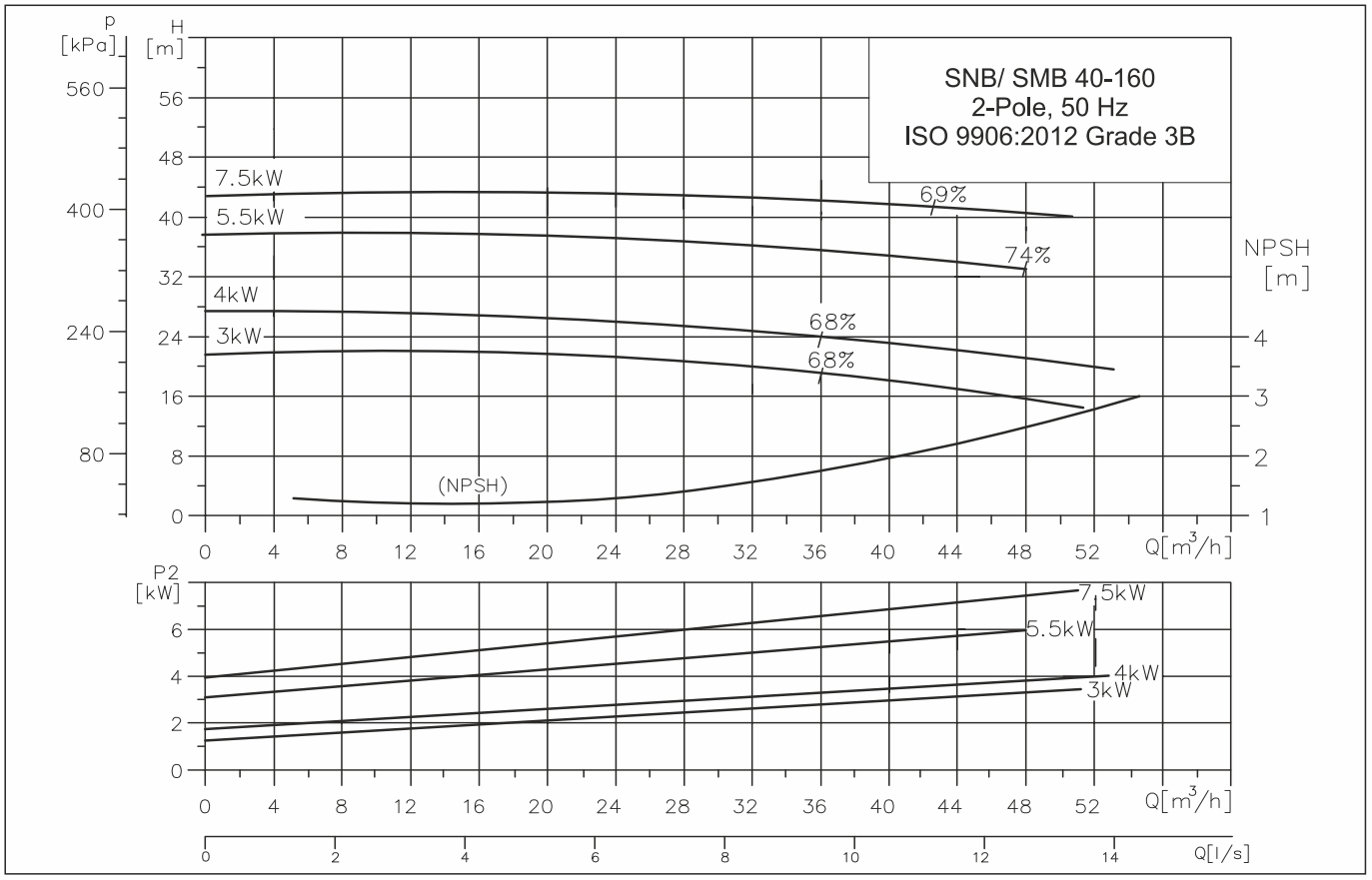
PERFORMANCE TABLE

SNB/SMB CI 40-125 (2 POLE)

Pump type			40-125	
Motor type	HIGH EFF. MOTOR		SMG 90	SMG 90
COMMON DATA SNB/SMB CI	P_2	[kW/HP]	1.5/2.0	2.2/3.0
	PN	[bar]	16	16
	DNs	[mm]	65	65
	DNd	[mm]	40	40
	a	[mm]	80	80
	h2	[mm]	140	140
	h1	[mm]	112	112
	Ss		4x19	4x19
	Sd		4x19	4x19
	G1	[mm]	115	115
	G2	[mm]	118	118
	m1	[mm]	100	100
	m2	[mm]	70	70
	n1	[mm]	210	210
	n2	[mm]	160	160
	b	[mm]	50	50
	s1	[mm]	M12	M12
SNB CI DATA	AD	[mm]	145	163
	h3	[mm]	132	132
	A	[mm]	58.4	58.4
	K	[mm]	2X M8	2X M8
	L SNB	[mm]	225	225
	LB	[mm]	284	325
	P	[mm]	200	200
	W	[mm]	171	193
	NET WT. (APX.)	[kg]	47	48
SMB CI DATA	AD	[mm]	145	145
	h3	[mm]	132	132
	A	[mm]	58.4	58.4
	K	[mm]	2X M8	2X M8
	L	[mm]	458	458
	W	[mm]	265	265
	NET WT. (APX.)	[kg]	42	45

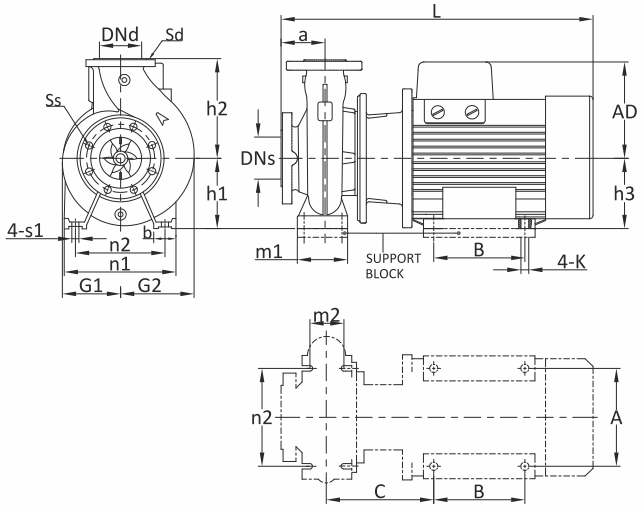
PERFORMANCE CURVE

SNB/SMB CI 40-160 (2 POLE)

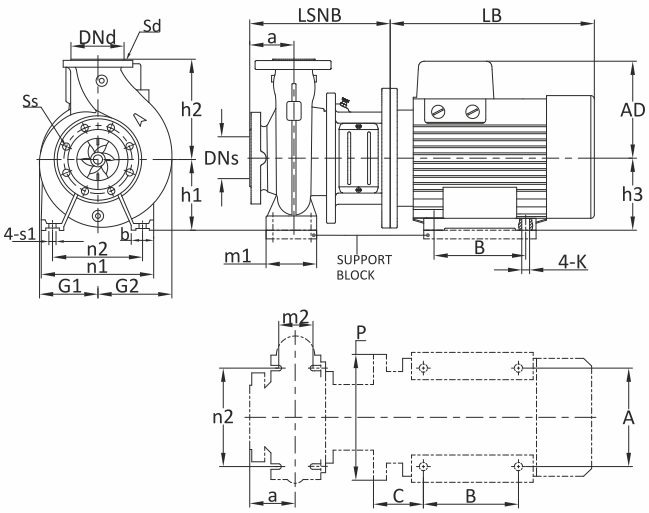


[kW / HP]		Suc. x Del.	Material Code
3.0 / 4.0	:	80 x 65 mm	9000023351 (SNB), 9000023349 (SMB)
4.0 / 5.5	:	80 x 65 mm	9000023352 (SNB), 9000019368 (SMB)
5.5 / 7.5	:	65 x 50 mm	9000023353 (SNB), 9000023350 (SMB)
7.5 / 10.0	:	65 x 50 mm	9000023277 (SNB), 9000023348 (SMB)

SMB CI



SNB CI



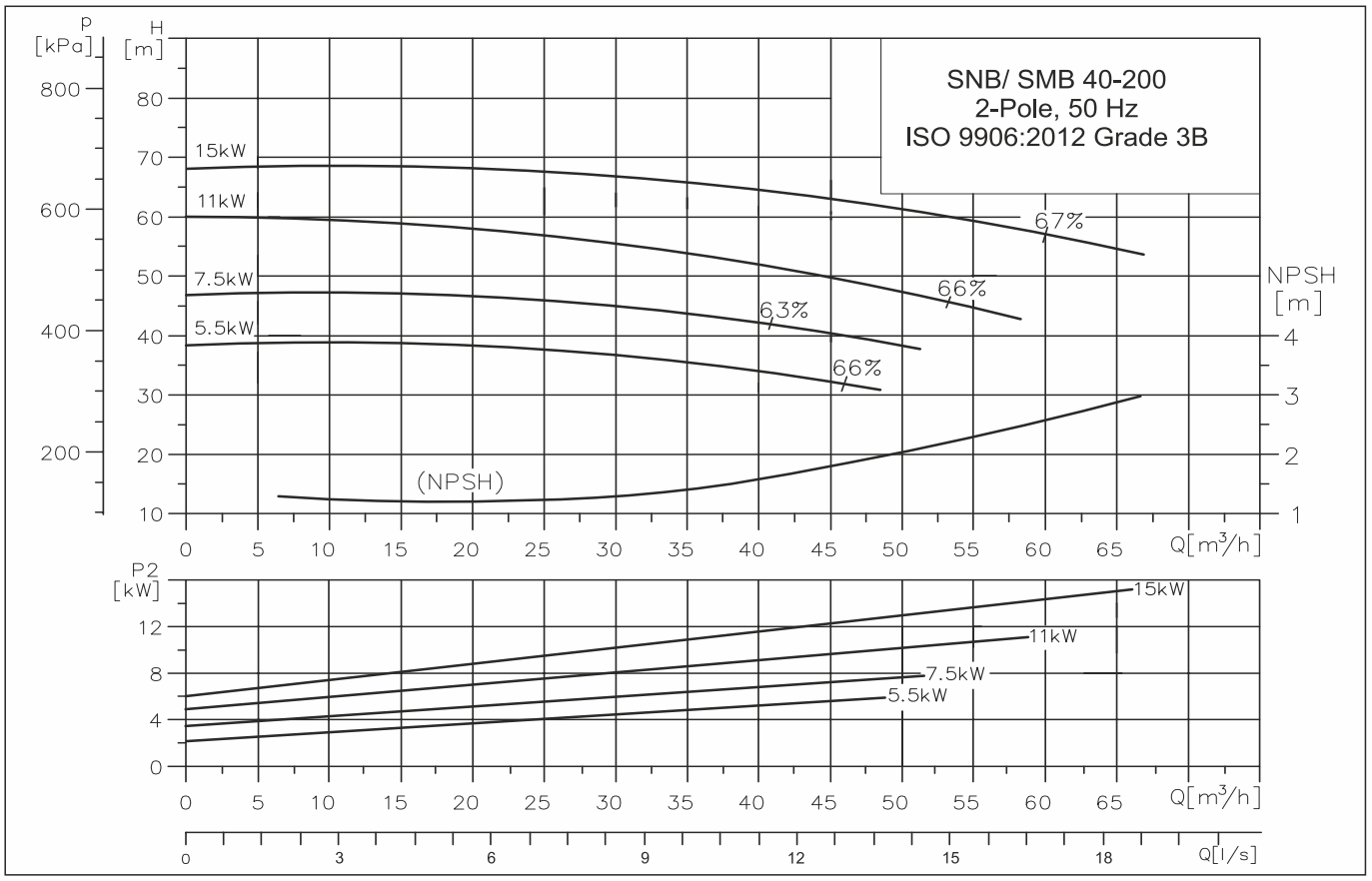
PERFORMANCE TABLE

SNB/SMB CI 40-160 (2 POLE)

Pump type			40-160			
Motor type	**HIGH EFF. MOTOR**		**SMG 100**	**SMG 100**	**SMG 132**	**SMG 132**
COMMON DATA SNB/SMB CI	P_2	[kW/HP]	3.0/4.0	4.0/5.5	5.5/7.5	7.5/10.0
	PN	[bar]	16	16	16	16
	DNs	[mm]	65	65	65	65
	DNd	[mm]	40	40	40	40
	a	[mm]	80	80	80	80
	h2	[mm]	160	160	160	160
	h1	[mm]	132	132	132	132
	Ss		4x19	4x19	4x19	4x19
	Sd		4x19	4x19	4x19	4x19
	G1	[mm]	116	116	116	116
	G2	[mm]	134	134	134	134
	m1	[mm]	100	100	100	100
	m2	[mm]	70	70	70	70
	n1	[mm]	240	240	240	240
	n2	[mm]	190	190	190	190
	b	[mm]	50	50	50	50
	s1	[mm]	M12	M12	M12	M12
	AD	[mm]	170	170	138	138
	h3	[mm]	112	112	160	160
	A	[mm]	189	189	195	195
	B	[mm]	140	140	120	120
	K	[mm]	M12	M12	M12	M12
SNB CI DATA	L SNB	[mm]	254	254	293	293
	LB	[mm]	332	332	410	410
	C	[mm]	60	60	136	136
	P	[mm]	250	250	300	300
	NET WT. (APX.)	[kg]	74	74	92	100
SMB CI DATA	L	[mm]	504	504	573	573
	C	[mm]	152.5	152.5	219.5	219.5
	W	[mm]	-	-	-	-
	NET WT. (APX.)	[kg]	70	70	75	75

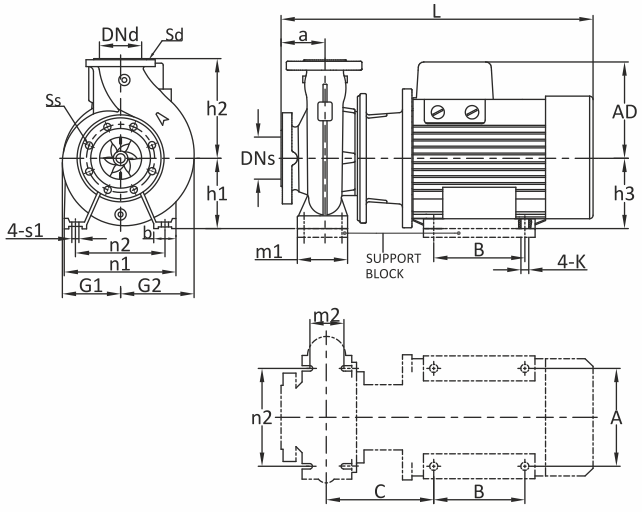
PERFORMANCE CURVE

SNB/SMB CI 40-200 (2 POLE)

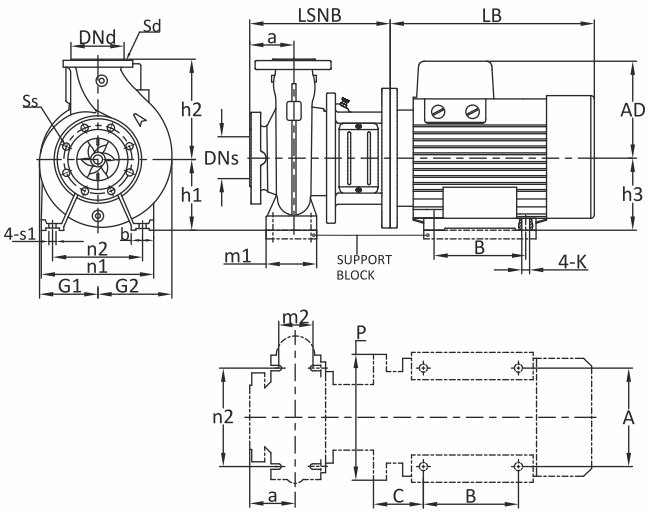


[kW / HP]		Suc. x Del.	Material Code
5.5 / 7.5	:	65 x 50 mm	9000014211 (SNB), 9000023015 (SMB)
7.5 / 10.0	:	65 x 50 mm	9000014212 (SNB), 9000019380 (SMB)
11.0 / 15.0	:	65 x 50 mm	9000019977 (SNB), 9000019386 (SMB)
15.0 / 20.0	:	65 x 50 mm	9000019105 (SNB), 9000019393 (SMB)

SMB CI



SNB CI



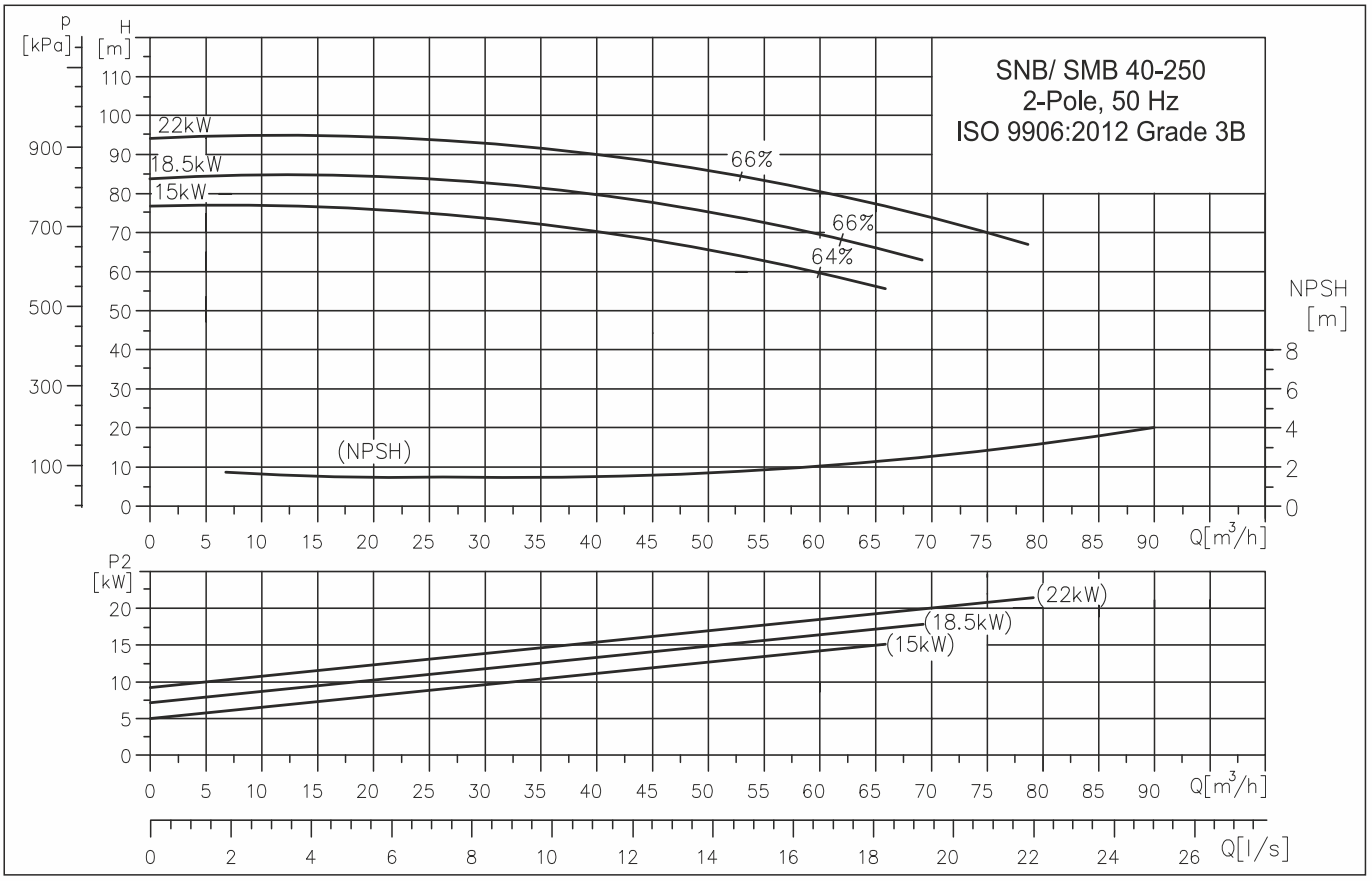
PERFORMANCE TABLE

SNB/SMB CI 40-200 (2 POLE)

Pump type			40-200			
Motor type	**HIGH EFF. MOTOR**		**SMG 132**	**SMG 132**	**SMG 160**	**SMG 160**
COMMON DATA SNB/SMB CI	P_2	[kW/HP]	5.5/7.5	7.5/10	11/15	15/20
	PN	[bar]	16	16	16	16
	DNs	[mm]	65	65	65	65
	DNd	[mm]	40	40	40	40
	a	[mm]	100	100	100	100
	h2	[mm]	180	180	180	180
	h1	[mm]	160	160	160	160
	Ss		4x19	4x19	4x19	4x19
	Sd		4x19	4x19	4x19	4x19
	G1	[mm]	143	143	143	143
	G2	[mm]	157	157	157	157
	m1	[mm]	100	100	100	100
	m2	[mm]	70	70	70	70
	n1	[mm]	265	265	265	265
	n2	[mm]	212	212	212	212
	b	[mm]	50	50	50	50
	s1	[mm]	M12	M12	M12	M12
SNB CI DATA	AD	[mm]	138	138	233	233
	h3	[mm]	160	160	160	160
	A	[mm]	195	195	254	254
	B	[mm]	120	120	254	254
	K	[mm]	M12	M12	M12	M12
	L SNB	[mm]	311	311	341	341
	LB	[mm]	410	410	565	565
	C	[mm]	136	136	108	108
	P	[mm]	300	300	350	350
	NET WT. (APX.)	[kg]	92	97	162	169
SMB CI DATA	AD	[mm]	138	138	199	233
	h3	[mm]	160	160	170	160
	A	[mm]	195	195	232	254
	B	[mm]	120	120	310	254
	K	[mm]	M12	M12	M16	M12
	L	[mm]	588	588	690	742
	C	[mm]	215	215	138	188
	NET WT. (APX.)	[kg]	66	66	129	160

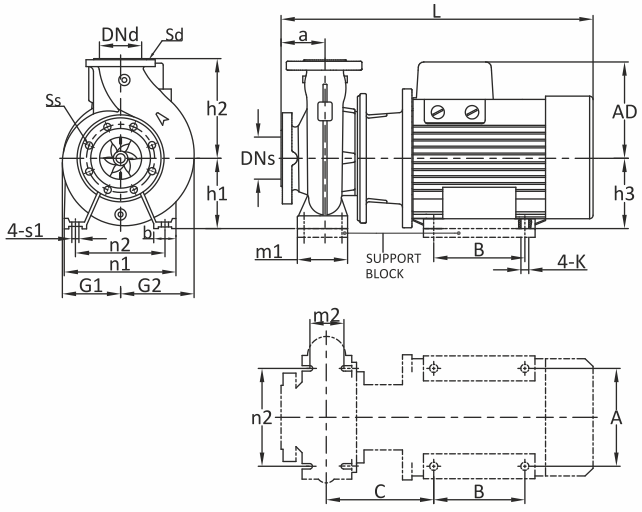
PERFORMANCE CURVE

SNB/SMB CI 40-250 (2 POLE)

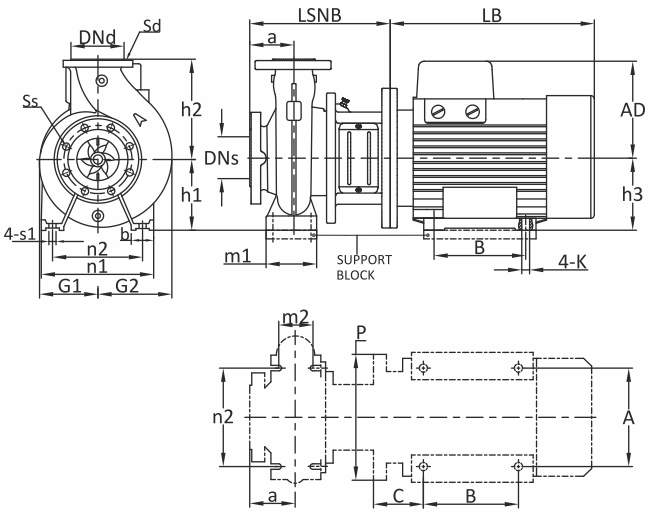


[kW / HP]	Suc. x Del.	Material Code
15.0 / 20.0 :	65 x 50 mm	9000019982 (SNB), 9000019975 (SMB)
18.5 / 25.0 :	65 x 50 mm	9000019107 (SNB), 9000019978 (SMB)
22.0 / 30.0 :	65 x 65 mm	9000019986 (SNB)

SMB CI



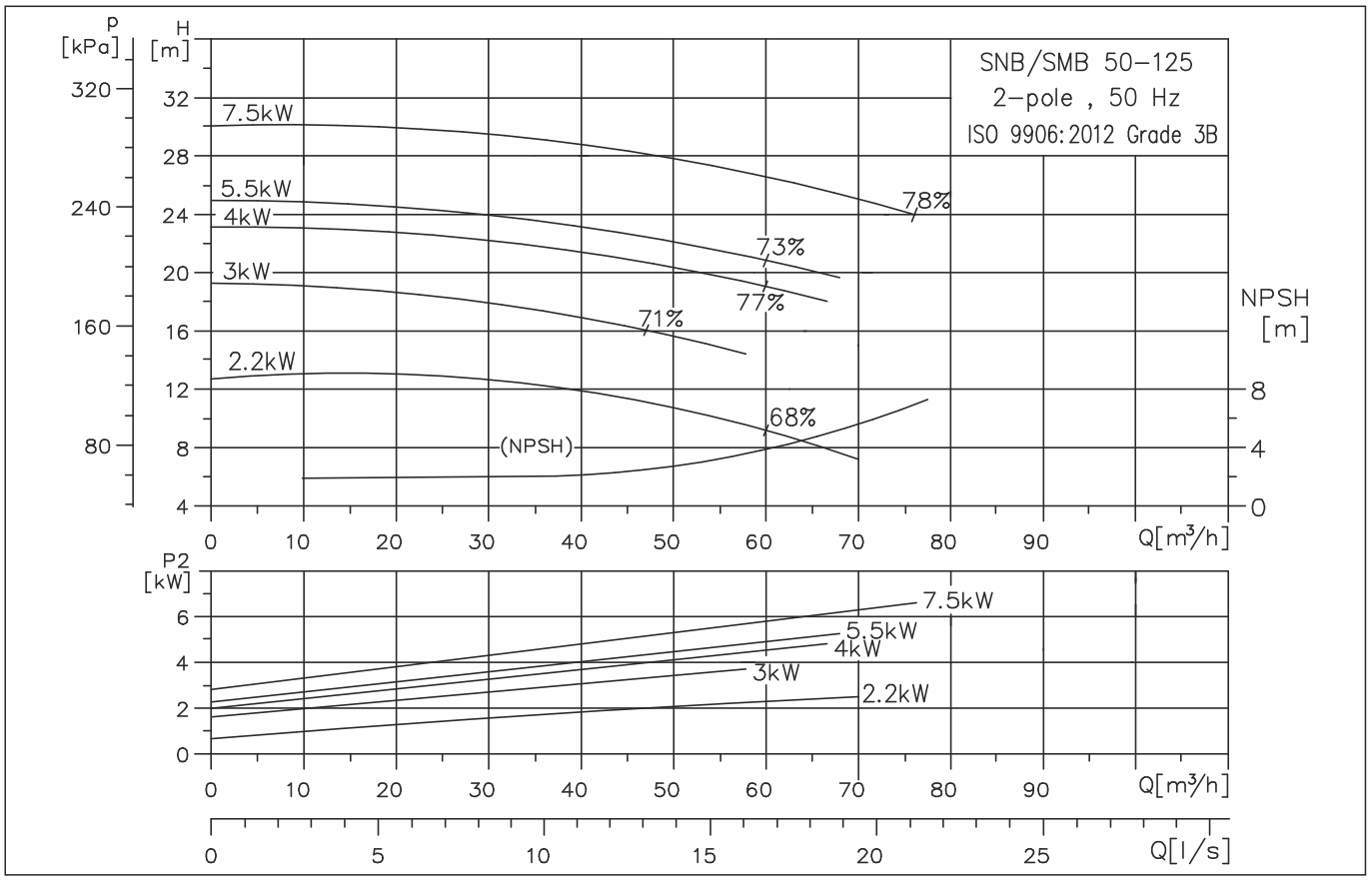
SNB CI



SNB/SMB CI 40-250 (2 POLE)

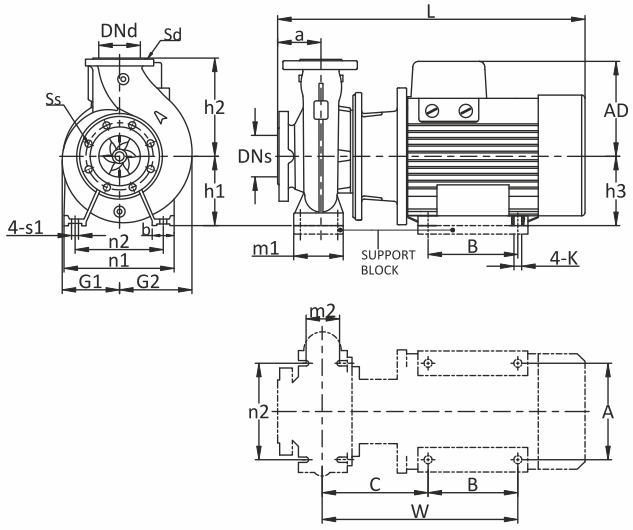
Pump type			40-250		
Motor type	**HIGH EFF. MOTOR**		**SMG 160**	**SMG 160**	**SMG 180**
COMMON DATA SNB/SMB SS	P_2	[kW/HP]	15/20	18.5/25	22/30
	PN	[bar]	16	16	16
	DNs	[mm]	65	65	65
	DNd	[mm]	40	40	40
	a	[mm]	100	100	100
	h2	[mm]	225	225	225
	h1	[mm]	180	180	180
	Ss		4x19	4x19	4x19
	Sd		4x19	4x19	4x19
	G1	[mm]	162	162	162
	G2	[mm]	182	182	182
	m1	[mm]	125	125	125
	m2	[mm]	90	90	90
	n1	[mm]	320	320	320
	n2	[mm]	250	250	250
	b	[mm]	65	65	65
	s1	[mm]	M12	M12	M12
SNB SS DATA	AD	[mm]	233	233	242
	h3	[mm]	160	160	180
	A	[mm]	254	254	279
	B	[mm]	254	254	241
	K	[mm]	M12	M12	M12
	L SNB	[mm]	342	342	342
	LB	[mm]	565	565	568
	C	[mm]	108	108	121
	P	[mm]	350	350	350
	NET WT. (APX.)	[kg]	176	217	240
SMB SS DATA	AD	[mm]	233	233	-
	h3	[mm]	160	160	-
	A	[mm]	254	254	-
	B	[mm]	254	254	-
	K	[mm]	M12	M12	-
	L	[mm]	746	746	-
	C	[mm]	192	192	-
	NET WT. (APX.)	[kg]	160	170	-

SNB/SMB CI 50-125 (2 POLE)

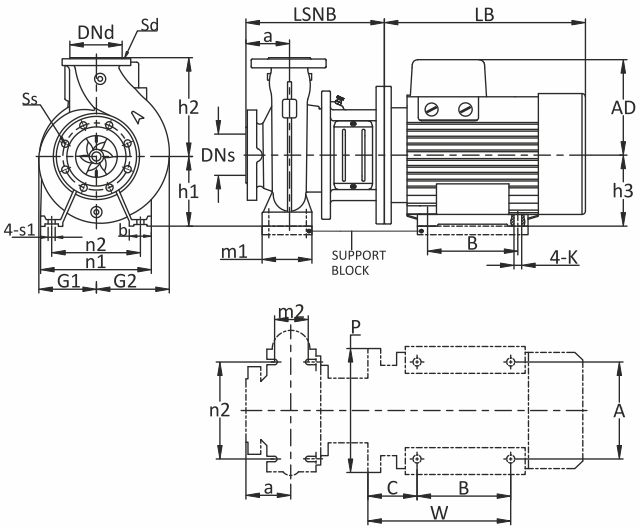


[kW / HP]		Suc. x Del.	Material Code
2.2/ 3.0	:	100 x 100 mm	9000030366 (SMB)
3.0 / 4.0	:	80 x 65 mm	9000019950 (SNB), 9000023357 (SMB)
4 / 5.5	:	80 x 65 mm	9000020961 (SNB), 9000019994 (SMB)
5.5 / 7.5	:	80 x 65 mm	9000022159 (SNB), 9000023358 (SMB)
7.5 / 10.0	:	80 x 65 mm	9000020972 (SNB), 9000019972 (SMB)

SMB CI



SNB CI



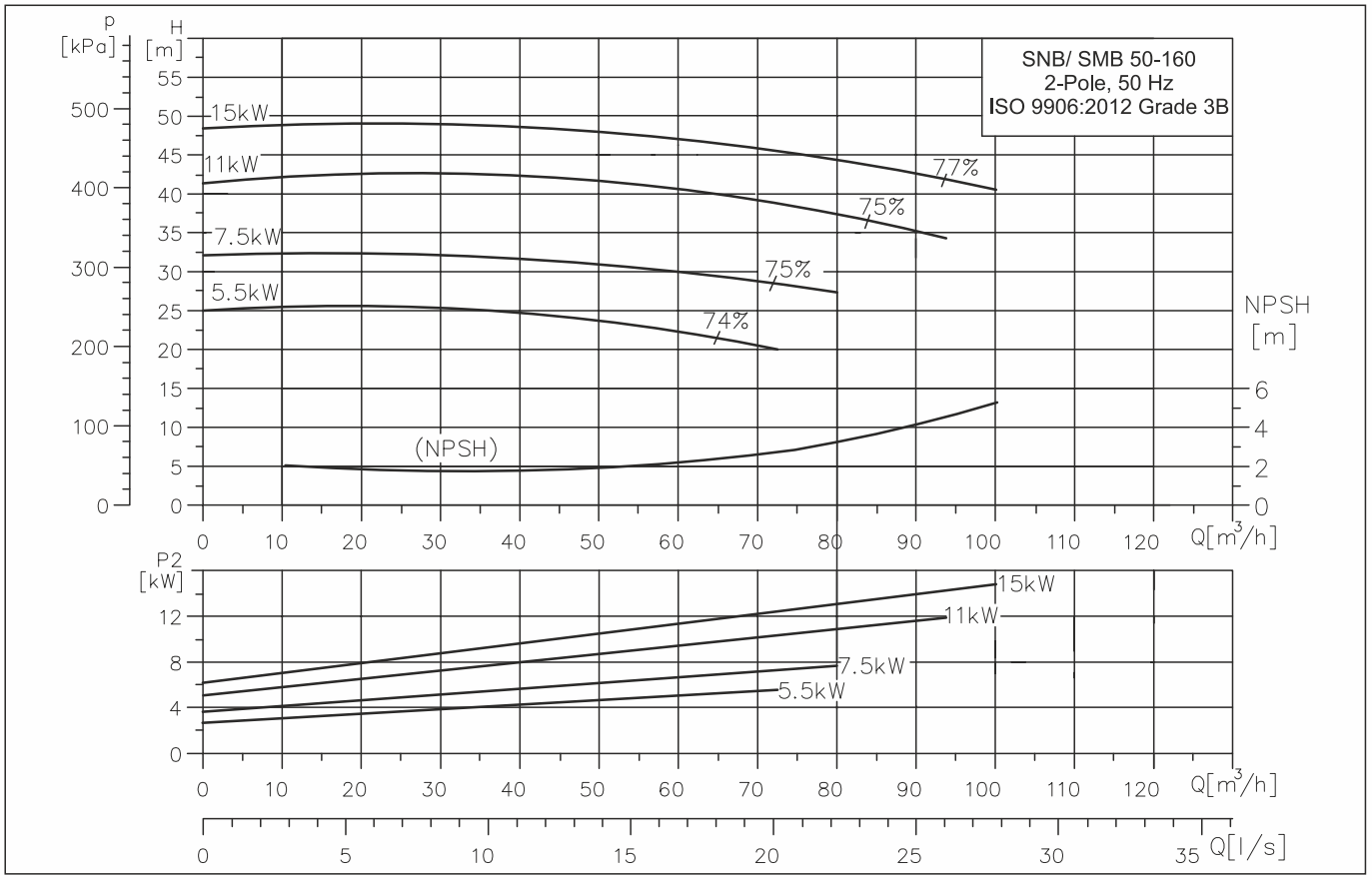
PERFORMANCE TABLE

SNB/SMB CI 50-125 (2 POLE)

Pump type			50-125				
Motor type	**HIGH EFF. MOTOR**		**SMG 90**	**SMG 100**	**SMG 100**	**SMG 132**	**SMG 132**
COMMON DATA SNB/SMB CI	P_2	[kW/HP]	2.2/3.0	3.0/4.0	4.0/5.5	5.5/7.5	7.5/10
	PN	[bar]	16	16	16	16	16
	DNs	[mm]	70	70	70	70	70
	DNd	[mm]	50	50	50	50	50
	a	[mm]	100	100	100	100	100
	h2	[mm]	160	160	160	160	160
	h1	[mm]	132	132	132	132	132
	Ss		4x19	4x19	4x19	4x19	4x19
	Sd		4x19	4x19	4x19	4x19	4x19
	G1	[mm]	117	117	117	117	117
	G2	[mm]	130	130	130	130	130
	m1	[mm]	100	100	100	100	100
	m2	[mm]	70	70	70	70	70
	n1	[mm]	240	240	240	240	240
	n2	[mm]	190	190	190	190	190
	b	[mm]	50	50	50	50	50
	s1	[mm]	M12	M12	M12	M12	M12
SNB CI DATA	AD	[mm]	163	170	170	138	138
	h3	[mm]	132	112	112	160	160
	A	[mm]	58.4	189	189	195	195
	B	[mm]	-	140	140	120	120
	K	[mm]	2X M8	M12	M12	M12	M12
	L SNB	[mm]	-	273	273	312	312
	LB	[mm]	-	332	332	410	410
	C	[mm]	-	60	60	136	136
	P	[mm]	-	250	250	300	300
	NET WT. (APX.)	[kg]	-	77	77	92	93
SMB CI DATA	AD	[mm]	145	170	170	138	138
	h3	[mm]	132	112	112	160	160
	A	[mm]	58.4	189	189	195	195
	B	[mm]	-	140	140	120	120
	K	[mm]	2X M8	M12	M12	M12	M12
	L	[mm]	521	520	520	590	590
	C	[mm]	-	149	149	216	216
	W	[mm]	265	-	-	-	-
	NET WT. (APX.)	[kg]	45	67	68	74	74

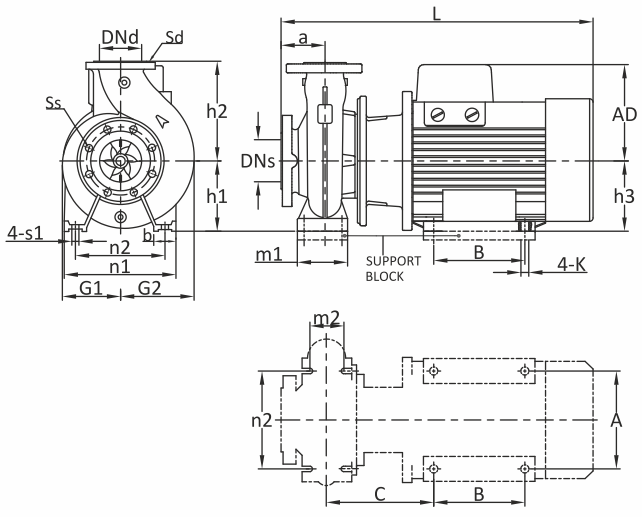
PERFORMANCE CURVE

SNB/SMB CI 50-160 (2 POLE)

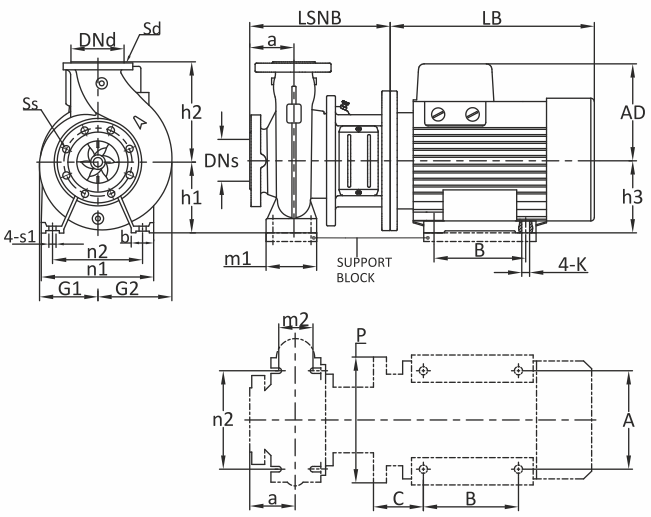


[kW / HP]		Suc. x Del.	Material Code
5.5 / 7.5	:	80 x 65 mm	9000020966 (SNB), 9000019374 (SMB)
7.5 / 10.0	:	80 x 65 mm	9000011595 (SNB), 9000019381 (SMB)
11.0 / 15.0	:	80 x 65 mm	9000011596 (SNB), 9000019387 (SMB)
15.0 / 20.0	:	80 x 65 mm	9000019108 (SNB), 9000019390 (SMB)

SMB CI



SNB CI



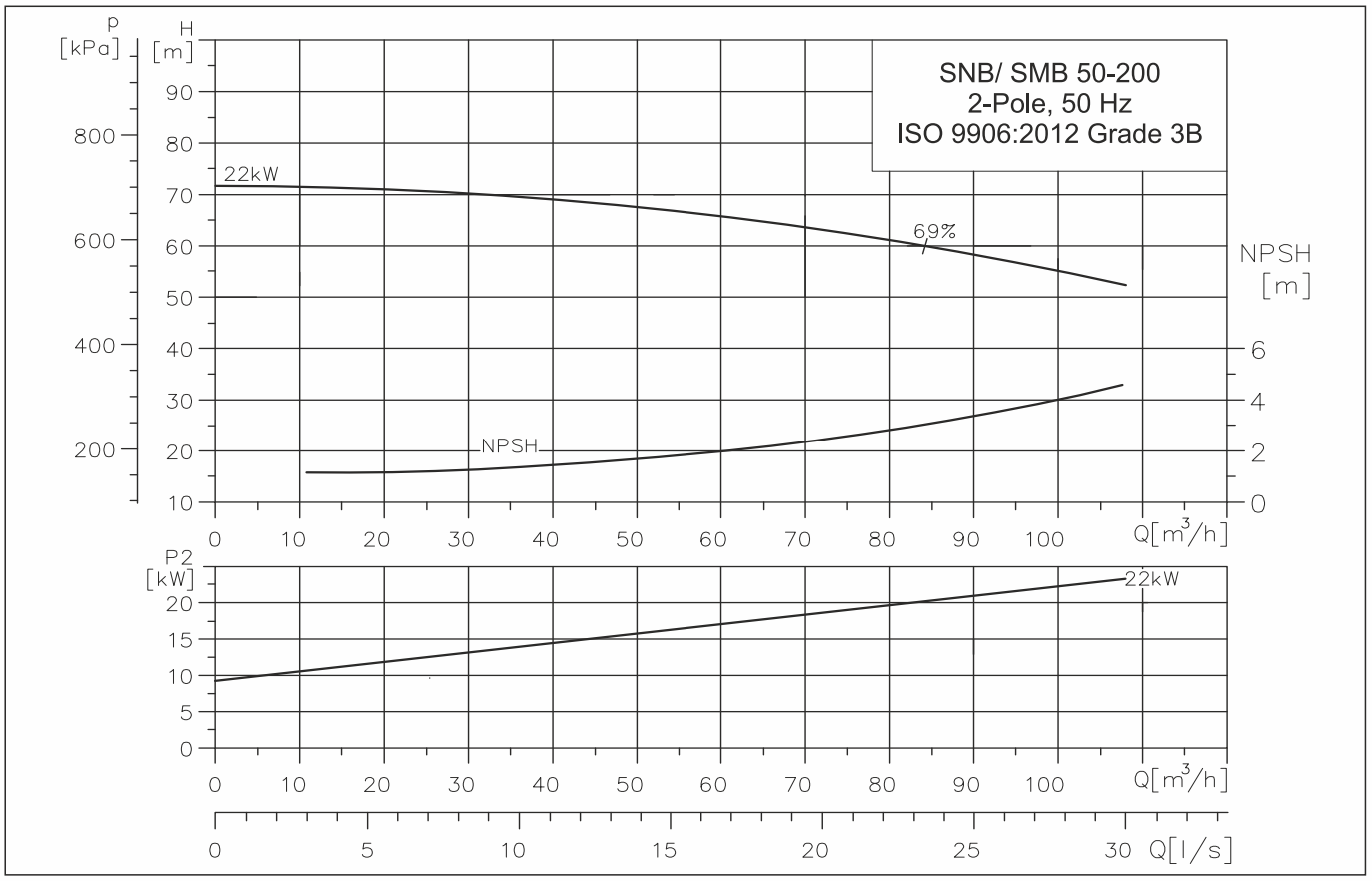
PERFORMANCE TABLE

SNB/SMB CI 50-160 (2 POLE)

Pump type			50-160			
Motor type	**HIGH EFF. MOTOR**		**SMG 132**	**SMG 132**	**SMG 160**	**SMG 160**
COMMON DATA SNB/SMB CI	P_2	[kW/HP]	5.5/7.5	7.5/10	11/15	15/20
	PN	[bar]	16	16	16	16
	DNs	[mm]	65	65	65	65
	DNd	[mm]	50	50	50	50
	a	[mm]	100	100	100	100
	h2	[mm]	180	180	180	180
	h1	[mm]	160	160	160	160
	Ss		4x19	4x19	4x19	4x19
	Sd		4x19	4x19	4x19	4x19
	G1	[mm]	124	124	124	124
	G2	[mm]	150	150	150	150
	m1	[mm]	100	100	100	100
	m2	[mm]	70	70	70	70
	n1	[mm]	265	265	265	265
	n2	[mm]	214.5	214.5	214.5	214.5
	b	[mm]	50	50	50	50
	s1	[mm]	M12	M12	M12	M12
SNB CI DATA	AD	[mm]	138	138	233	233
	h3	[mm]	160	160	160	160
	A	[mm]	195	195	254	254
	B	[mm]	120	120	254	254
	K	[mm]	M12	M12	M12	M12
	L SNB	[mm]	312	312	342	342
	LB	[mm]	410	410	565	565
	C	[mm]	136	136	108	108
	P	[mm]	300	300	350	350
	NET WT. (APX.)	[kg]	93	96	170	185
SMB CI DATA	AD	[mm]	138	138	199	233
	h3	[mm]	160	160	170	160
	A	[mm]	195	195	232	254
	B	[mm]	120	120	310	254
	K	[mm]	M12	M12	M16	M12
	L	[mm]	590	590	691	603
	C	[mm]	216	216	139	189
	NET WT. (APX.)	[kg]	76	76	145	160

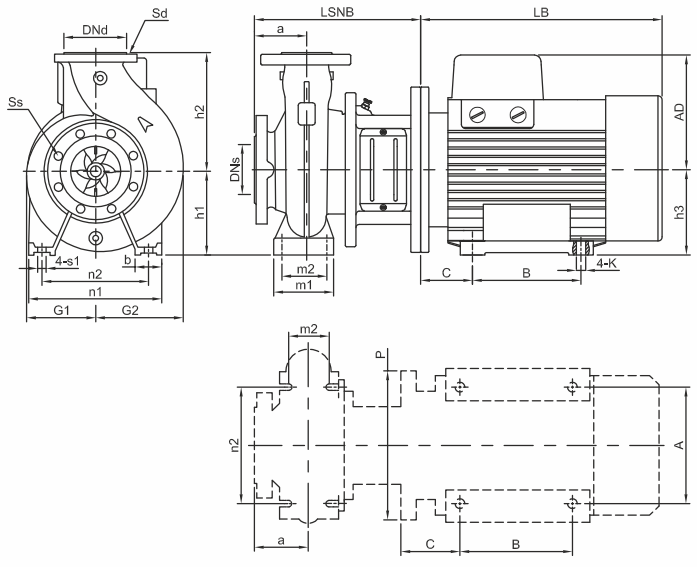
PERFORMANCE CURVE

SNB CI 50-200 (2 POLE)



[kW / HP]	Suc. x Del.	Material Code
22.0 / 30.0 :	80 x 65 mm	9000023279 (SNB)

SNB CI



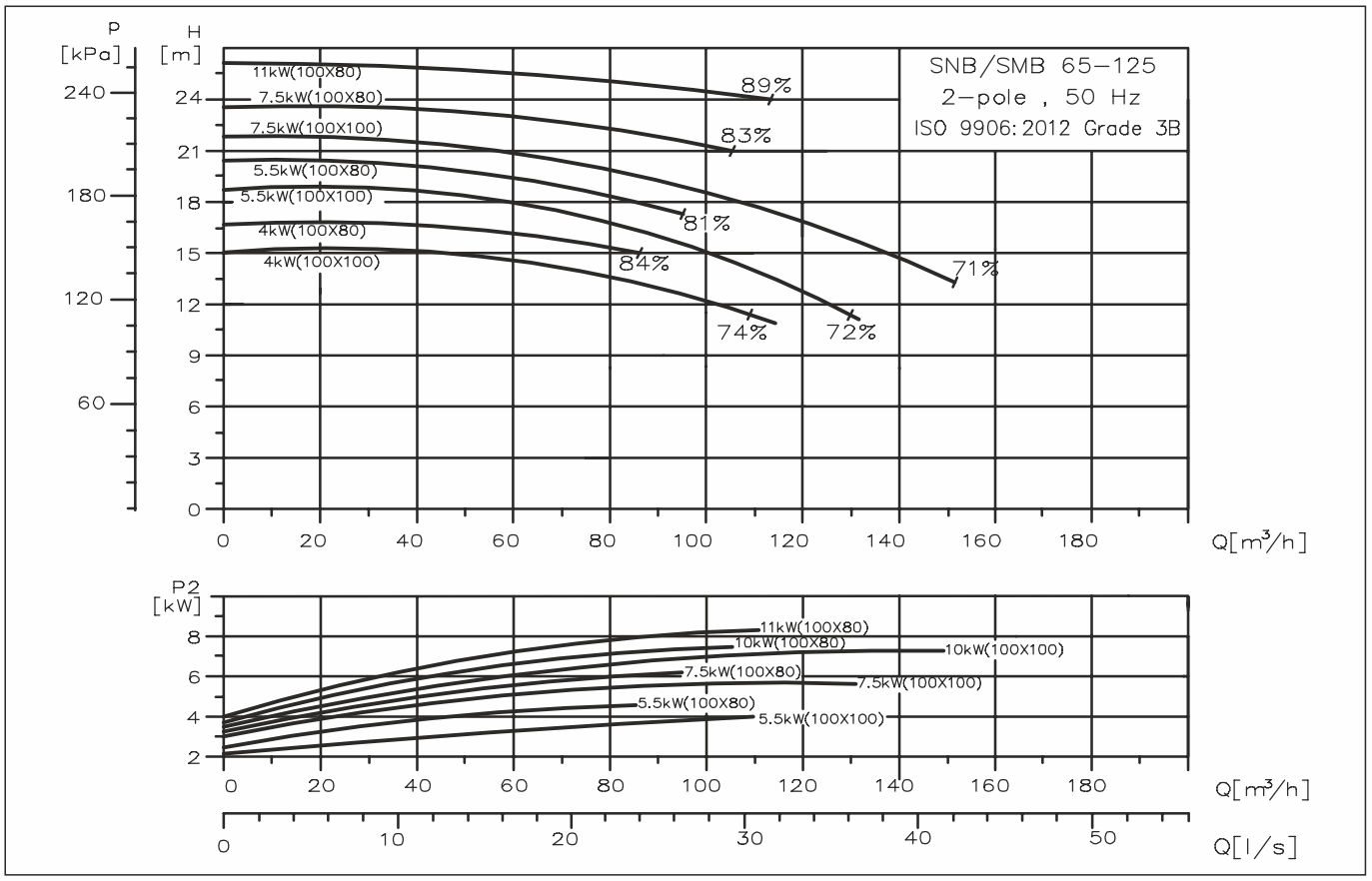
PERFORMANCE TABLE

SNB CI 50-200 (2 POLE)

Pump type		50-200	
Motor type	**High Eff.Motor**		**SMMG 180**
SNB CI DATA	P_2	[kW/HP]	22/30
	PN	[bar]	16
	DNs	[mm]	80
	DNd	[mm]	50
	a	[mm]	120
	h2	[mm]	200
	h1	[mm]	160
	Ss		4x19
	Sd		4x19
	AD	[mm]	236
	G1	[mm]	150
	G2	[mm]	170
	m1	[mm]	100
	m2	[mm]	70
	n1	[mm]	270
	n2	[mm]	212
	b	[mm]	50
	s1	[mm]	M12
	h3	[mm]	180
	A	[mm]	279
	K	[mm]	M12
	B	[mm]	241
	L SNB	[mm]	363
	LB	[mm]	545
	C	[mm]	121
	P	[mm]	350
	NET WT. (APX.)	[kg]	322

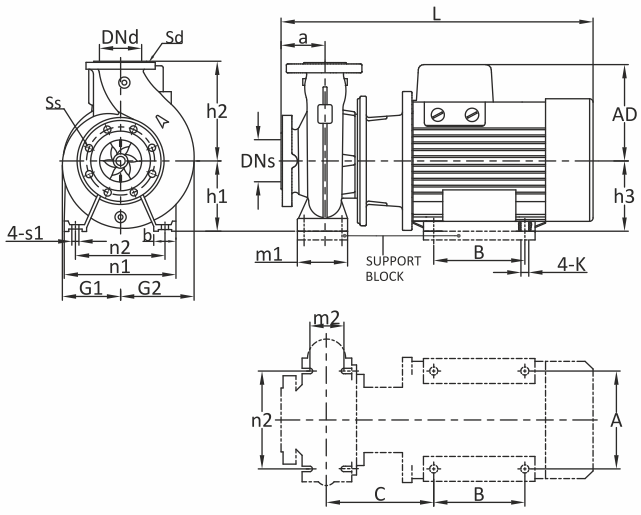
PERFORMANCE CURVE

SNB/SMB CI 65-125 (2 POLE)

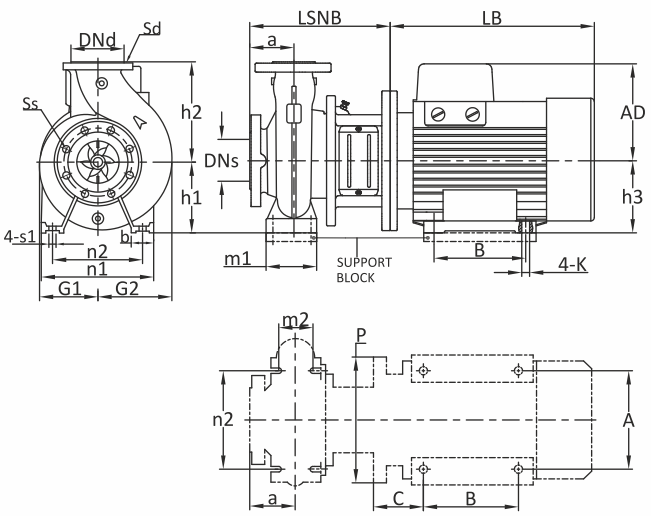


[kW / HP]	Suc. x Del.	Material Code			
4.0 / 5.5	: 100 x 80 mm	9000020962 (SNB), 9000019369 (SMB)	4.0 / 5.5	: 100 x 100 mm	9000030365 (SMB)
5.5 / 7.5	: 100 x 80 mm	9000020967 (SNB), 9000019375 (SMB)	5.5 / 7.5	: 100 x 100 mm	9000030380 (SMB)
7.5 / 10.0	: 100 x 80 mm	9000022163 (SNB), 9000023216 (SMB)	7.5 / 10	: 100 x 100 mm	9000030381 (SMB)
11.0 / 15.0	: 100 x 80 mm	9000023217 (SNB), 9000023219 (SMB)			

SMB CI



SNB CI



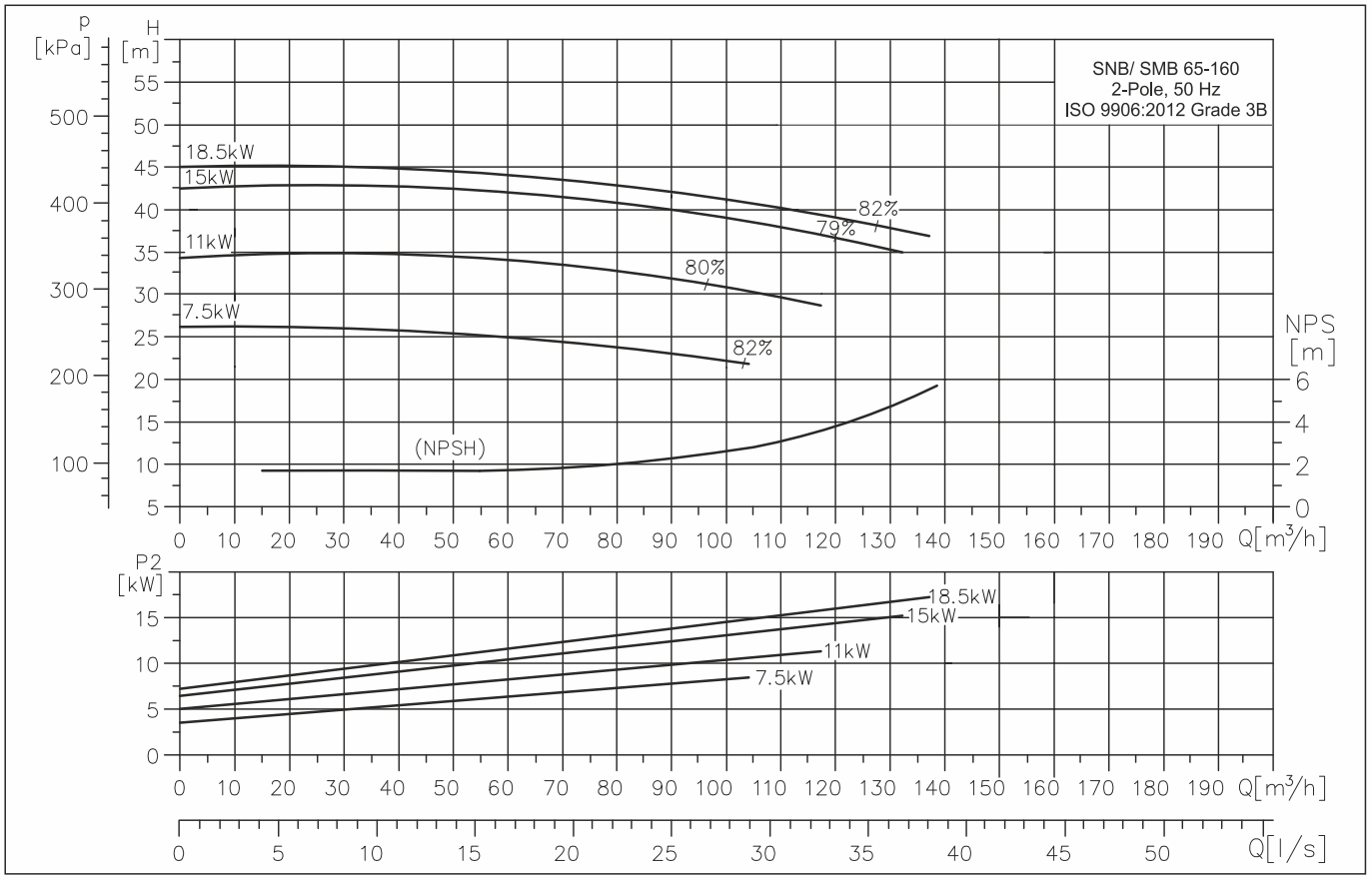
PERFORMANCE TABLE

SNB/SMB CI 65-125 (2 POLE)

Pump type			65-125			
Motor type	**HIGH EFF. MOTOR**		**SMG 100**	**SMG 132**	**SMG 132**	**SMG 160**
COMMON DATA SNB/SMB CI	P_2	[kW/HP]	4/5.5	5.5/7.5	7.5/10	11/15
	PN	[bar]	16	16	16	16
	DNs	[mm]	95	95	95	95
	DNd	[mm]	65	65	65	65
	a	[mm]	100	100	100	100
	h2	[mm]	180	180	180	180
	h1	[mm]	160	160	160	160
	Ss		8x19	8x19	8x19	8x19
	Sd		4x19	4x19	4x19	4x19
	G1	[mm]	115	115	115	115
	G2	[mm]	145	145	145	145
	m1	[mm]	125	125	125	125
	m2	[mm]	95	95	95	95
	n1	[mm]	280	280	280	280
	n2	[mm]	212	212	212	212
	b	[mm]	65	65	65	65
	s1	[mm]	M12	M12	M12	M12
SNB CI DATA	AD	[mm]	170	138	138	233
	h3	[mm]	112	160	160	160
	A	[mm]	189	195	195	254
	B	[mm]	140	120	120	254
	K	[mm]	M12	M12	M12	M12
	L SNB	[mm]	276	315	315	345
	LB	[mm]	332	410	410	565
	C	[mm]	60	136	136	108
	P	[mm]	250	300	300	350
	NET WT. (APX.)	[kg]	80	95	96	163
SMB CI DATA	AD	[mm]	170	138	138	199
	h3	[mm]	112	160	160	170
	A	[mm]	189	195	195	232
	B	[mm]	140	120	120	310
	K	[mm]	M12	M12	M12	M16
	L	[mm]	523	592	592	694
	C	[mm]	151.5	218.5	218.5	142
	NET WT. (APX.)	[kg]	60	68	69	130

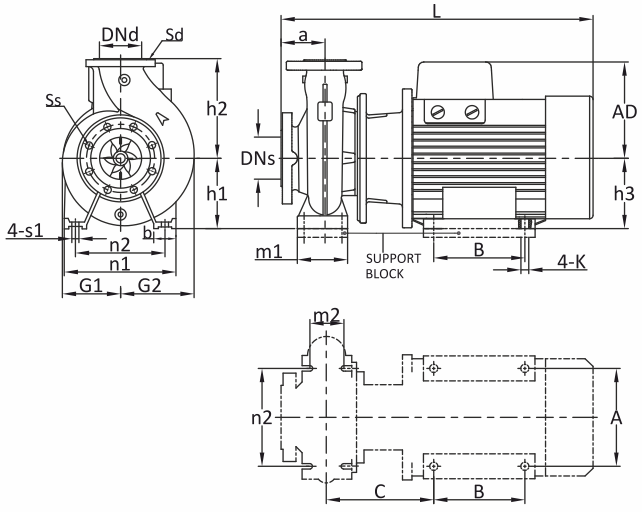
PERFORMANCE CURVE

SNB/SMB CI 65-160 (2 POLE)

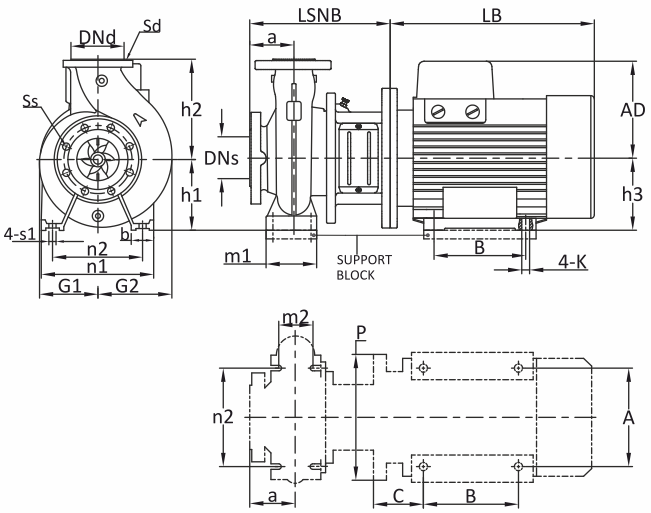


[kW / HP]	Suc. x Del.	Material Code
7.5 / 10.0 :	100 x 80 mm	9000020971 (SNB), 9000019383 (SMB)
11.0 / 15.0 :	100 x 80 mm	9000021004 (SNB), 9000019389 (SMB)
15.0 / 20.0 :	100 x 80 mm	9000021005 (SNB), 9000019394 (SMB)
18.5 / 25.0 :	100 x 80 mm	9000019983 (SNB), 9000029502 (SMB)

SMB CI



SNB CI



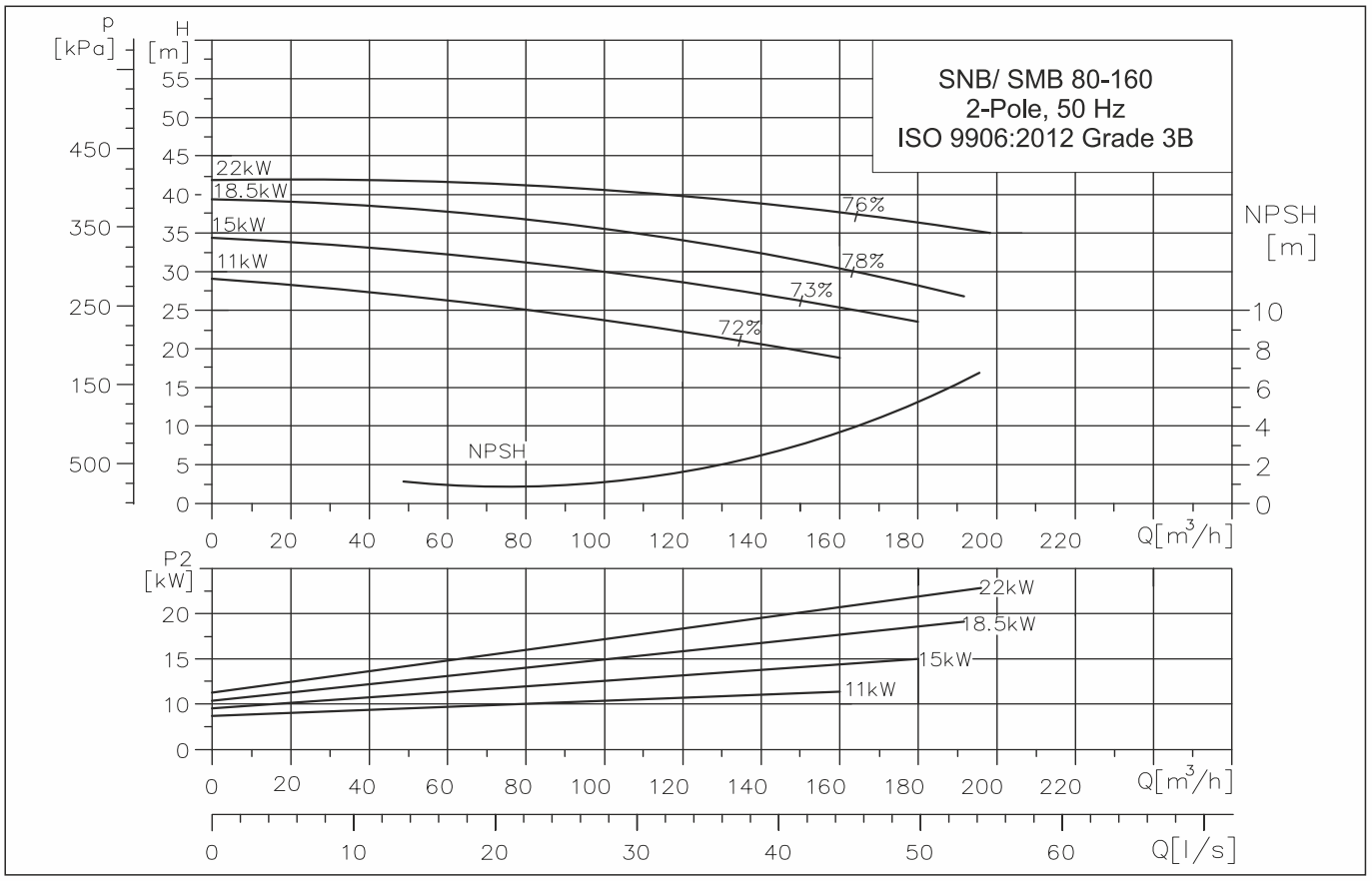
PERFORMANCE TABLE

SNB/SMB CI 65-160 (2 POLE)

Pump type			65-160			
Motor type	**HIGH EFF. MOTOR**		**SMG 132**	**SMG 160**	**SMG 160**	**SMG 160**
COMMON DATA SNB/SMB CI	P_2	[kW/HP]	7.5/10	11/15	15/20	18.5/25
	PN	[bar]	16	16	16	16
	DNs	[mm]	95	95	95	95
	DNd	[mm]	65	65	65	65
	a	[mm]	100	100	100	100
	h2	[mm]	200	200	200	200
	h1	[mm]	160	160	160	160
	Ss		8x19	8x19	8x19	8x19
	Sd		4x19	4x19	4x19	4x19
	G1	[mm]	128	128	128	128
	G2	[mm]	166	166	166	166
	m1	[mm]	125	125	125	125
	m2	[mm]	95	95	95	95
	n1	[mm]	280	280	280	280
	n2	[mm]	212	212	212	212
	b	[mm]	65	65	65	65
	s1	[mm]	M12	M12	M12	M12
SNB CI DATA	AD	[mm]	138	233	233	233
	h3	[mm]	160	160	160	160
	A	[mm]	195	254	254	254
	B	[mm]	120	254	254	254
	K	[mm]	M12	M12	M12	M12
	L SNB	[mm]	311	341	341	341
	LB	[mm]	410	565	565	565
	C	[mm]	136	108	108	108
	P	[mm]	300	350	350	350
	NET WT. (APX.)	[kg]	94	165	178	220
SMB CI DATA	AD	[mm]	138	199	233	233
	h3	[mm]	160	170	160	160
	A	[mm]	195	232	254	254
	B	[mm]	120	310	254	254
	K	[mm]	M12	M16	M12	M12
	L	[mm]	588	690	742	742
	C	[mm]	215	138	188	188
	NET WT. (APX.)	[kg]	74	135	165	180

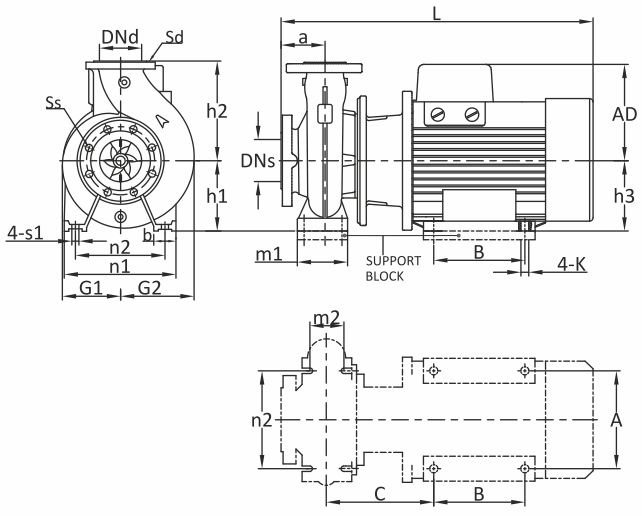
PERFORMANCE CURVE

SNB CI 80-160 (2 POLE)

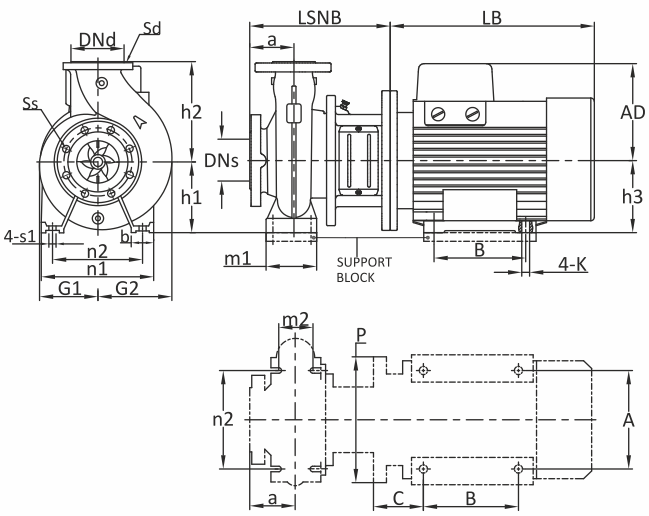


[kW / HP]	Suc. x Del.	Material Code
11.0 / 15.0 :	125 x 100 mm	9000023563 (SNB)
15.0 / 20.0 :	125 x 100 mm	9000023549 (SNB), 9000030497 (SMB)
18.5 / 25.0 :	125 x 100 mm	9000023552 (SNB), 9000030498 (SMB)
22.0 / 30.0 :	125 x 100 mm	9000023542 (SNB)

SMB CI



SNB CI



PERFORMANCE TABLE

SNB/SMB CI 80-160 (2 POLE)

Pump type			80-160			
Motor type	HIGH EFF. MOTOR		SMG 160	SMG 160	SMG 160	SMG 180
COMMON DATA SNB/SMB CI	P_2	[kW/HP]	11/15	15/20	18.5/25	22/30
	PN	[bar]	16	16	16	16
	DNs	[mm]	100	100	100	100
	DNd	[mm]	80	80	80	80
	a	[mm]	125	125	125	125
	h2	[mm]	225	225	225	225
	h1	[mm]	180	180	180	180
	Ss		8x19	8x19	8x19	8x19
	Sd		8x19	8x19	8x19	8x19
	G1	[mm]	141	141	141	141
	G2	[mm]	187	187	187	187
	m1	[mm]	135	135	135	135
	m2	[mm]	95	95	95	95
	n1	[mm]	320	320	320	320
	n2	[mm]	250	250	250	250
	b	[mm]	65	65	65	65
	s1	[mm]	M12	M12	M12	M12
SNB CI DATA	AD	[mm]	233	233	233	242
	h3	[mm]	160	160	160	180
	A	[mm]	254	254	254	279
	B	[mm]	254	254	254	241
	K	[mm]	M12	M12	M12	M12
	L SNB	[mm]	368	368	368	368
	LB	[mm]	565	565	565	568
	C	[mm]	108	108	108	121
	P	[mm]	350	350	350	350
	NET WT. (APX.)	[kg]	174	182	202	226
SMB CI DATA	AD	[mm]	-	233	233	-
	h3	[mm]	-	160	160	-
	A	[mm]	-	254	254	-
	B	[mm]	-	254	254	-
	K	[mm]	-	M12	M12	-
	L	[mm]	-	769	769	-
	C	[mm]	-	190	190	-
	NET WT. (APX.)	[kg]	-	153	170	-

PERFORMANCE TABLE

MAIN ELECTRIC FIRE PUMP SELECTION

Sr. No.	FIRE DUTY POINTS			PUMP MODEL	MOTOR (H.P.)	POLE / FREQUENCY	MATERIAL CODE	(WITH & WITHOUT NFPA/TAC NORMS)
	FLOW (LPM)	FLOW (M3/HR)	HEAD (M)					
1	450	27	70	SNKCI 40-250	20	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 40-250	20	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
2	450	27	56/60	SNKCI 40-200	15	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 32-200	15	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
3	450	27	50	SNKCI 40-200	15	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 32-200	10	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
4	450	27	30	SNKCI 40-160	7.5	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 32-160	5.5	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
5	450	27	35	SNKCI 40-160	7.5	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 32-160	5.5	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
6	600	36	56/60	SNKCI 40-200	15	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 32-200	15	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
7	600	36	50	SNKCI 40-200	15	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 40-200	15	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
8	600	36	40	SNKCI 50-160	15	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 40-160	10	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
9	600	36	30/35	SNKCI 50-160	10	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 32-160	7.5	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
10	900	54	25	SNKCI 50-160	10	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 50-125	10	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
11	900	54	35	SNKCI 50-160	15	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 50-160	12.5	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
12	900	54	40	SNKCI 50-160	15	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 50-160	15	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
13	900	54	45	SNKCI 50-160	20	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 40-200	15	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
14	900	54	56	SNKCI 50-200	25	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 40-200	20	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
15	900	54	70	SNKCI 50-200	30	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 40-250	25	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
16	1200	72	26/30	SNKCI 65-125	15	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 50-160	10	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
17	1200	72	40	SNKCI 65-160	20	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 50-160	15	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
18	1200	72	45	SNKCI 65-200	25	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 50-160	20	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
19	1200	72	60	SNKCI 50-200	30	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 50-200	30	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
20	1400	84	56	SNKCI 65-200	40	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 50-200	30	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
21	1400	84	70	SNKC 65-250	40	2P / 50HZ	9000032746	(WITH NFPA/TAC NORMS)
				SNKC 65-250	40	2P / 50HZ	9000032746	(WITHOUT NFPA/TAC NORMS)
22	1620	97	30	SNKC 80-160	20	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 65-160	15	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
23	1620	97	35/40	SNKC 80-160	30	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 65-160	20	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
24	1620	97	56	SNKCI 65-200	40	2P / 50HZ	9000035368	(WITH NFPA/TAC NORMS)
				SNKCI 50-200	30	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
25	1620	97	70	SNKC 65-250	40	2P / 50HZ	9000032746	(WITH NFPA/TAC NORMS)
				SNKC 65-250	40	2P / 50HZ	9000032746	(WITHOUT NFPA/TAC NORMS)
26	1620	97	90	SNKC 65-250	60	2P / 50HZ	9000032234	(WITH NFPA/TAC NORMS)
				SNKC 65-250	60	2P / 50HZ	9000032234	(WITHOUT NFPA/TAC NORMS)
27	1800	108	56	SNKC 80-200	50	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 65-200	40	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
28	2280	137	56/60	SNKC 80-200	50	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKCI 65-200	40	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
29	2280	137	70	SNKC 80-250	60	2P / 50HZ	9000031846	(WITH NFPA/TAC NORMS)
				SNKC 65-250	50	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
30	2280	137	80	SNKC 80-250	100	2P / 50HZ	9000027857	(WITH NFPA/TAC NORMS)
				SNKC 65-250	60	2P / 50HZ	9000032234	(WITHOUT NFPA/TAC NORMS)

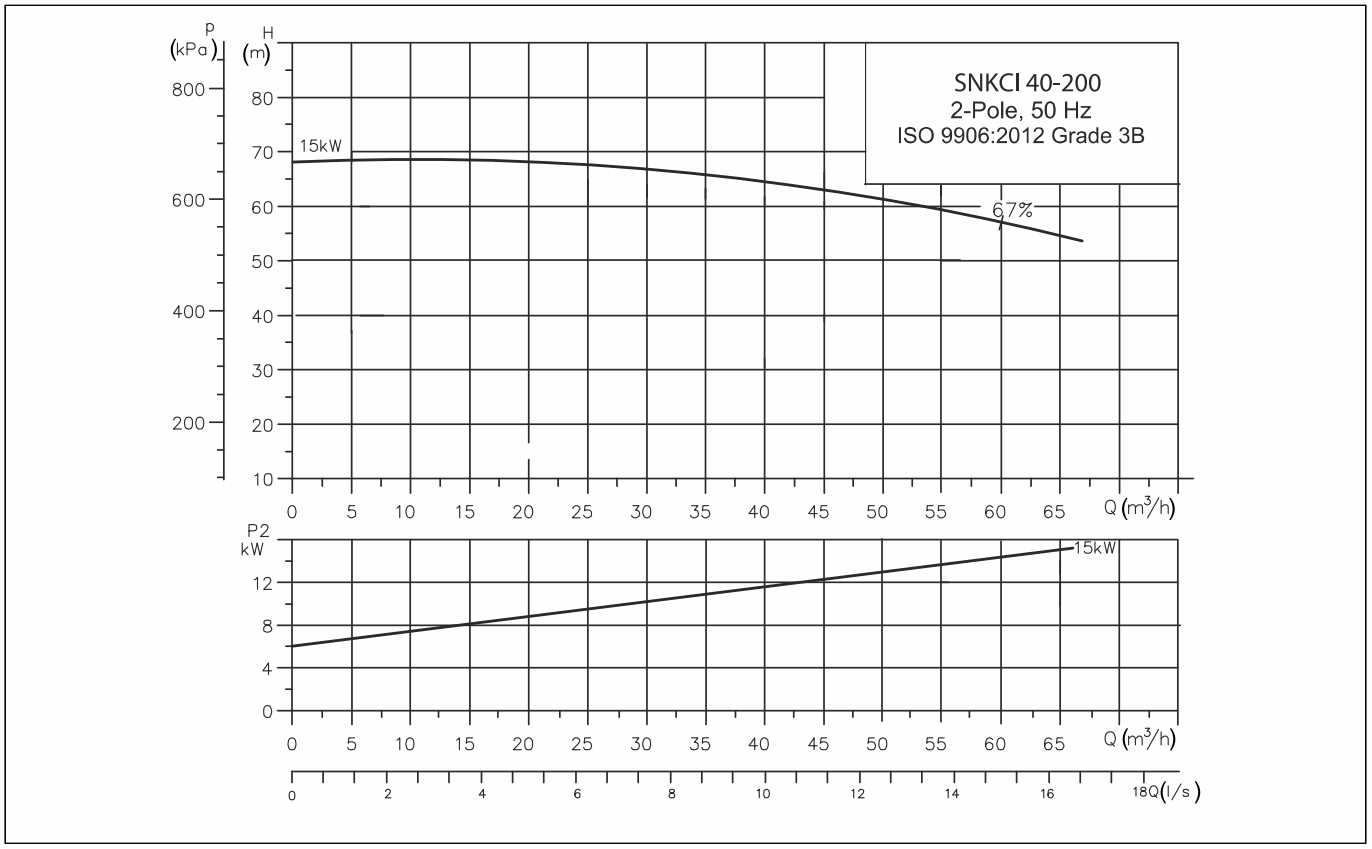
PERFORMANCE TABLE

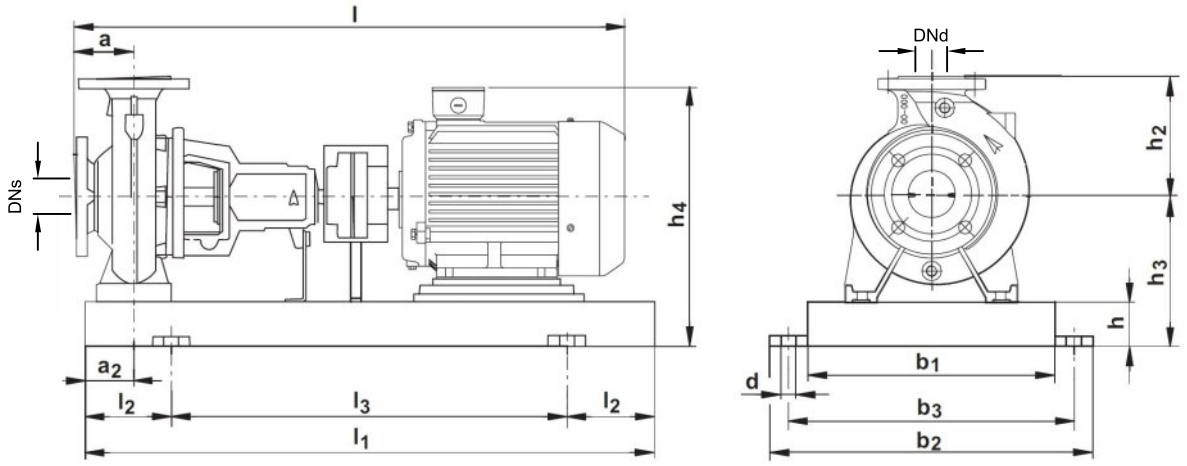
Sr. No.	FIRE DUTY POINTS			PUMP MODEL	MOTOR (H.P.)	POLE / FREQUENCY	MATERIAL CODE	(WITH & WITHOUT NFPA/TAC NORMS)
	FLOW (LPM)	FLOW (M3/HR)	HEAD (M)					
31	2280	137	90	SNKC 80-250	100	2P / 50HZ	9000027857	(WITH NFPA/TAC NORMS)
				SNKC 65-315	75	2P / 50HZ	9000035605	(WITHOUT NFPA/TAC NORMS)
32	2280	137	100/110	SNKC 80-315	120	2P / 50HZ	9000035205	(WITH NFPA/TAC NORMS)
				SNKC 65-315	100	2P / 50HZ	9000035606	(WITHOUT NFPA/TAC NORMS)
33	2280	137	120/130	SNKC 80-315	150	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKC 65-315	120	2P / 50HZ	9000035607	(WITHOUT NFPA/TAC NORMS)
34	2400	144	100	SNKC 80-250	100	2P / 50HZ	9000027857	(WITH NFPA/TAC NORMS)
				SNKC 80-250	100	2P / 50HZ	9000027857	(WITHOUT NFPA/TAC NORMS)
35	2400	144	88/90	SNKC 80-250	100	2P / 50HZ	9000027857	(WITH NFPA/TAC NORMS)
				SNKC 65-315	75	2P / 50HZ	9000035605	(WITHOUT NFPA/TAC NORMS)
36	2400	144	70	SNKC 80-250	75	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKC 80-250	75	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
37	2400	144	76/80	SNKC 80-250	100	2P / 50HZ	9000027857	(WITH NFPA/TAC NORMS)
				SNKC 80-250	100	2P / 50HZ	9000027857	(WITHOUT NFPA/TAC NORMS)
38	2850	171	56/60	SNKC 100-200	75	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKC 80-200	60	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
39	2850	171	70	SNKC 100-250	100	2P / 50HZ	9000035504	(WITH NFPA/TAC NORMS)
				SNKC 80-250	75	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
40	2850	171	80/90	SNKC 100-315	100	2P / 50HZ	9000033634	(WITH NFPA/TAC NORMS)
				SNKC 80-250	100	2P / 50HZ	9000027857	(WITHOUT NFPA/TAC NORMS)
41	2850	171	100	SNKC 100-315	150	2P / 50HZ	9000035366	(WITH NFPA/TAC NORMS)
				SNKC 80-250	120	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
42	2850	171	120	SNKC 100-315	150	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKC 80-315	120	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
43	2850	171	130/135	SNKC 100-315	180	2P / 50HZ		(WITH NFPA/TAC NORMS)
				SNKC 80-315	150	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
44	4550	273	70	SNKC 125-400	120	2P / 50HZ		(WITH NFPA/TAC NORMS)
		273	70	SNKC 100-315	100	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
45	4550	273	90	SNKC 100-315	150	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)
46	4550	273	100	SNKC 100-315	150	2P / 50HZ		(WITHOUT NFPA/TAC NORMS)

PERFORMANCE CURVE

SNKCI 40-200 (2 POLE)/20HP

Material Code :
Power Rating : 20HP





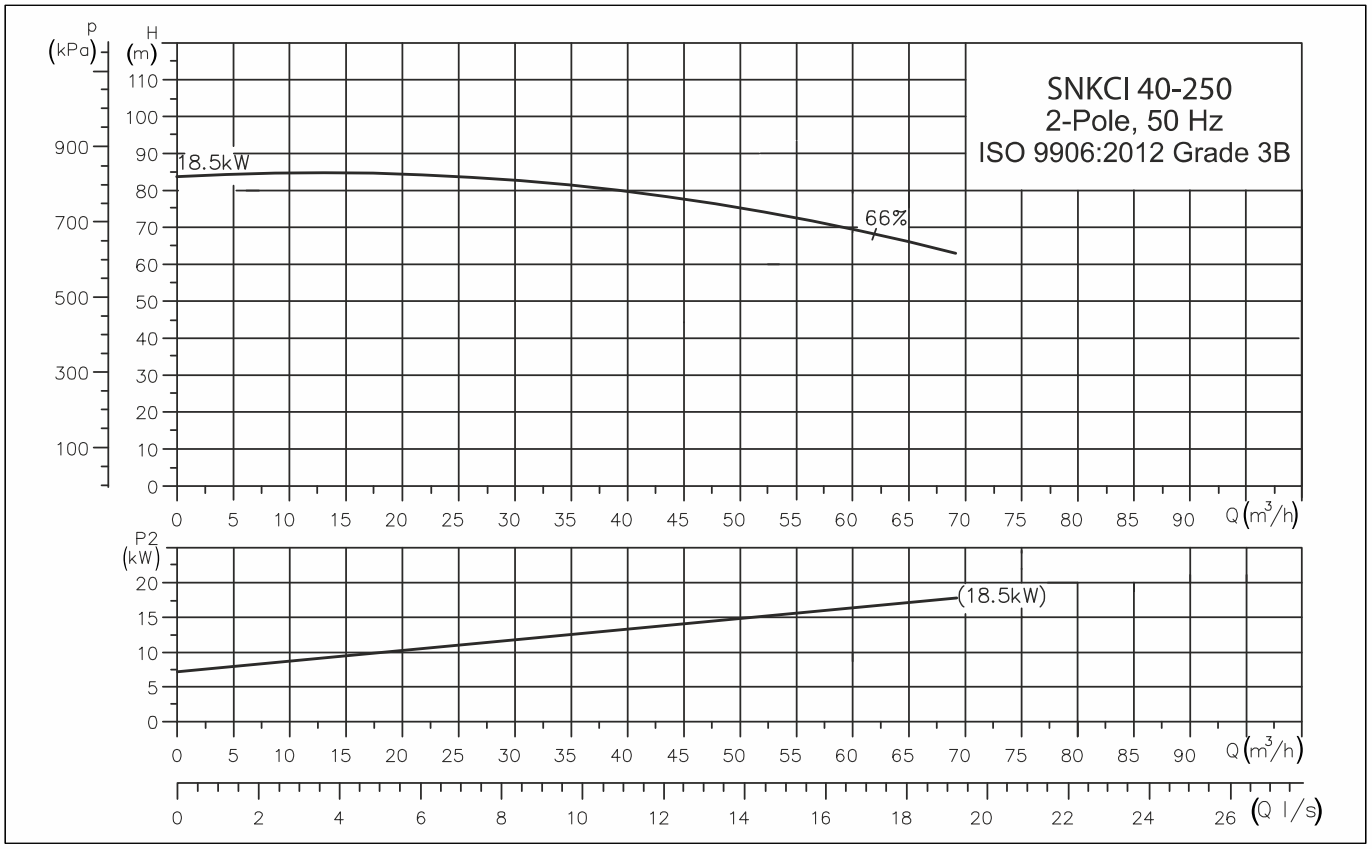
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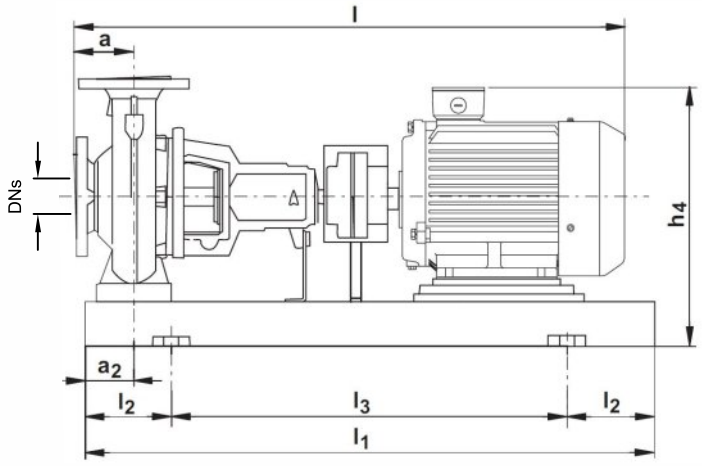
Note: All dimensions are in mm

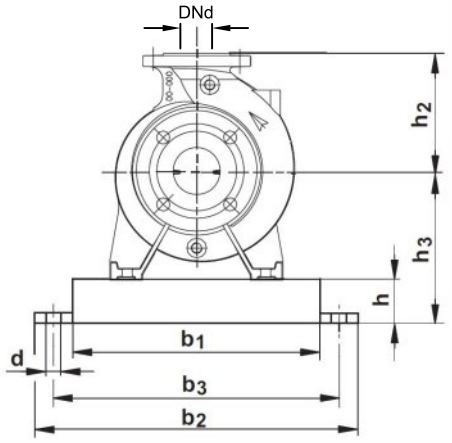
PERFORMANCE CURVE

SNKCI 40-250 (2 POLE)/25HP

Material Code :
Power Rating : 25HP







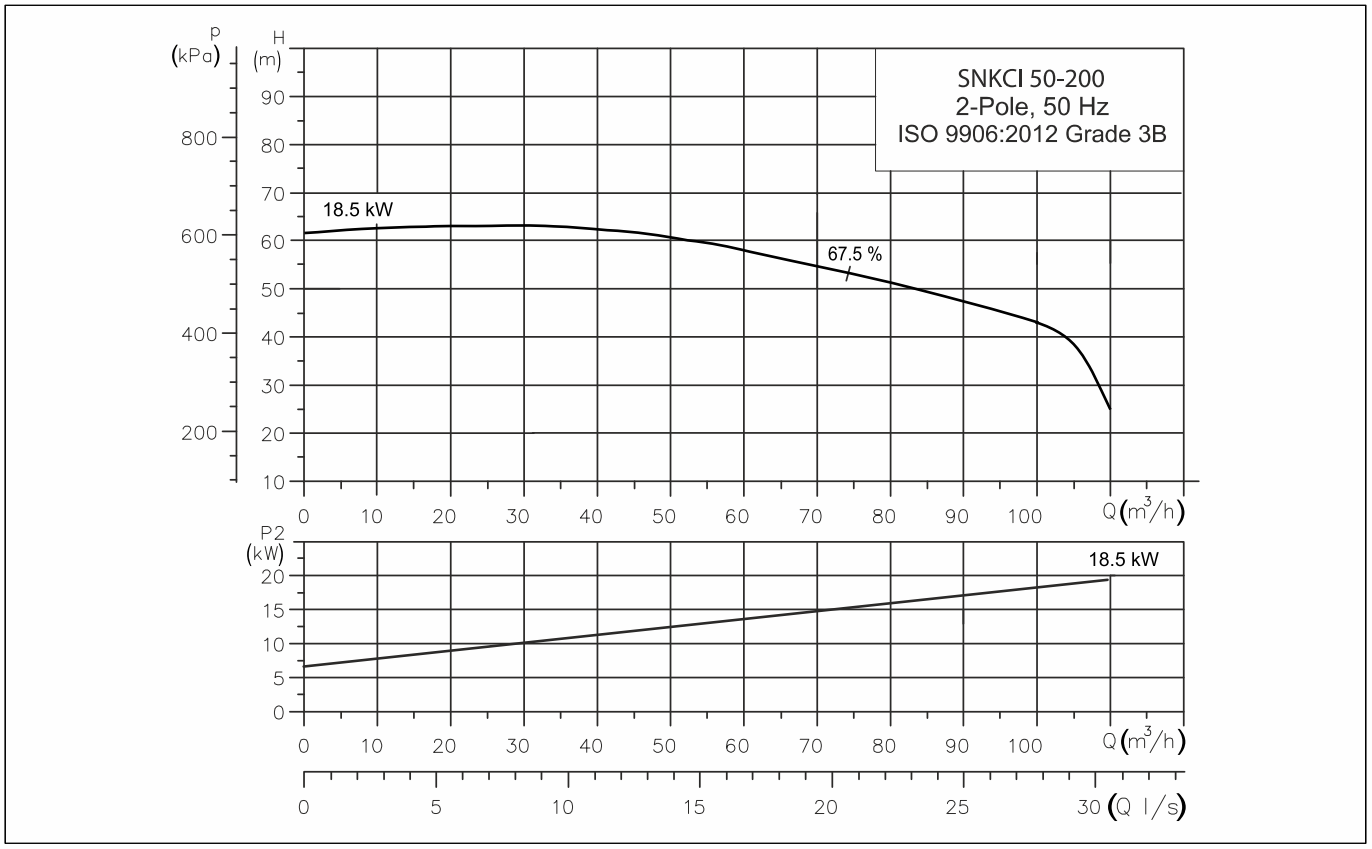
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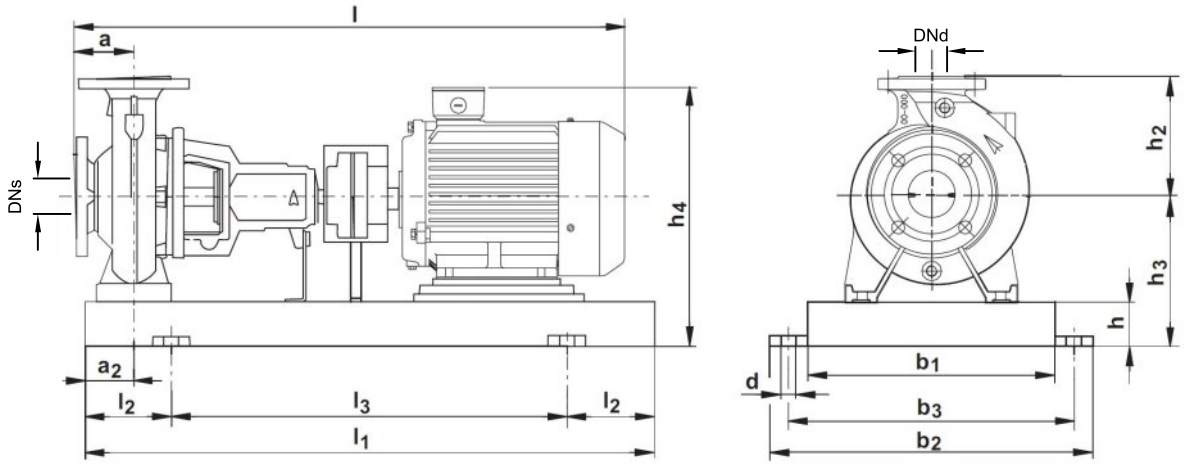
Note: All dimensions are in mm

PERFORMANCE CURVE

SNKCI 50-200 (2 POLE)/25HP

Material Code :
Power Rating : 25HP



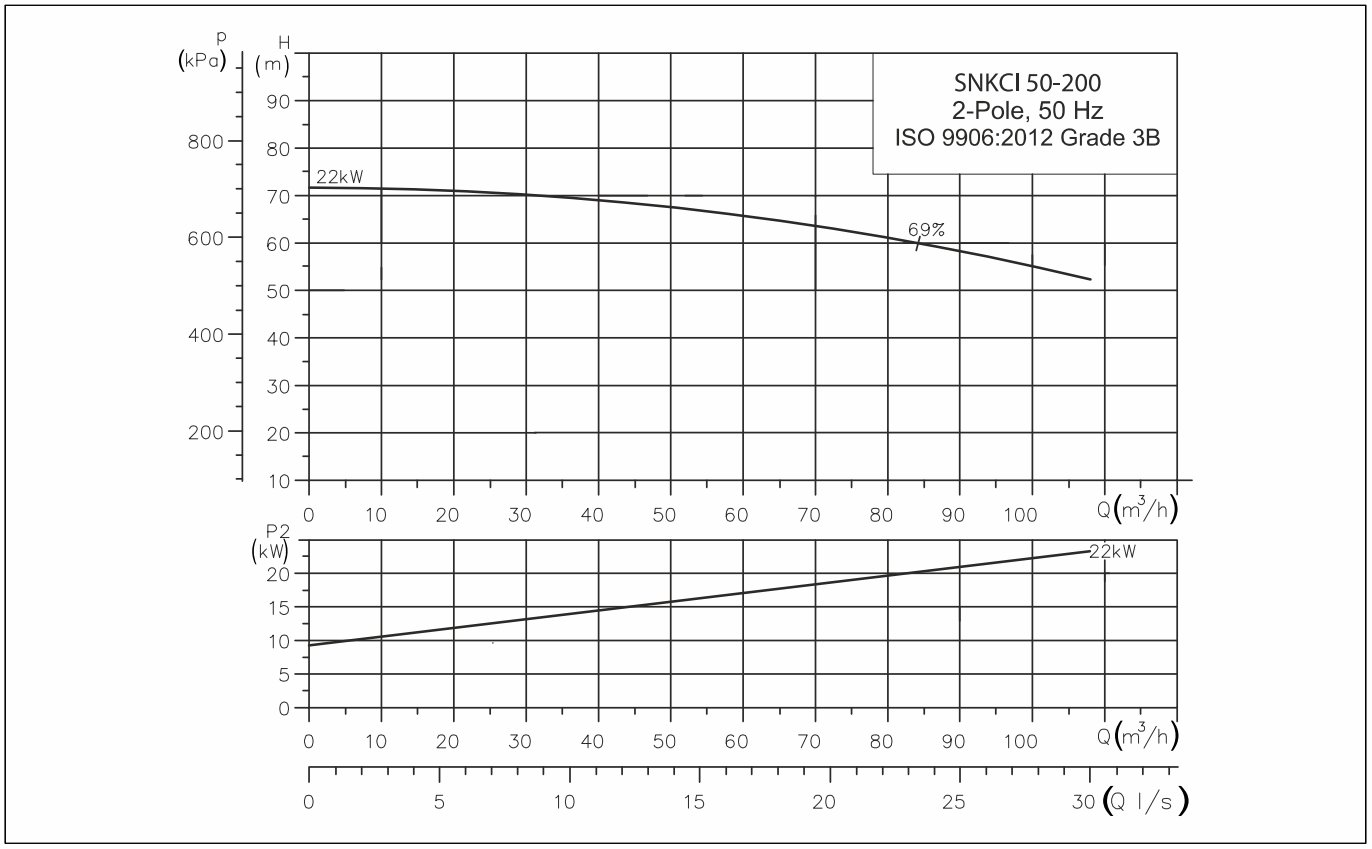


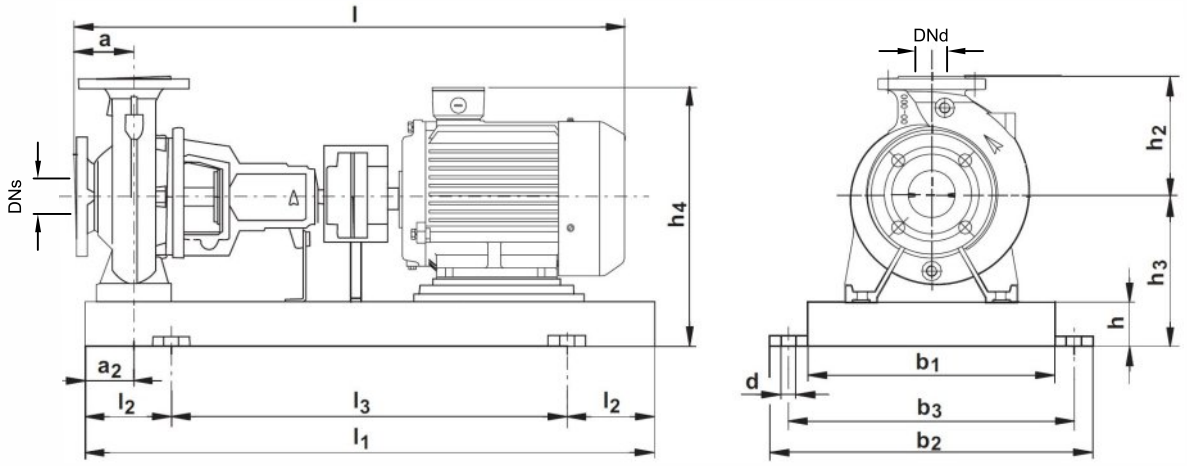
Frame Size :

Note: All dimensions are in mm

SNKCI 50-200 (2 POLE)/30HP

Material Code :
Power Rating : 30HP





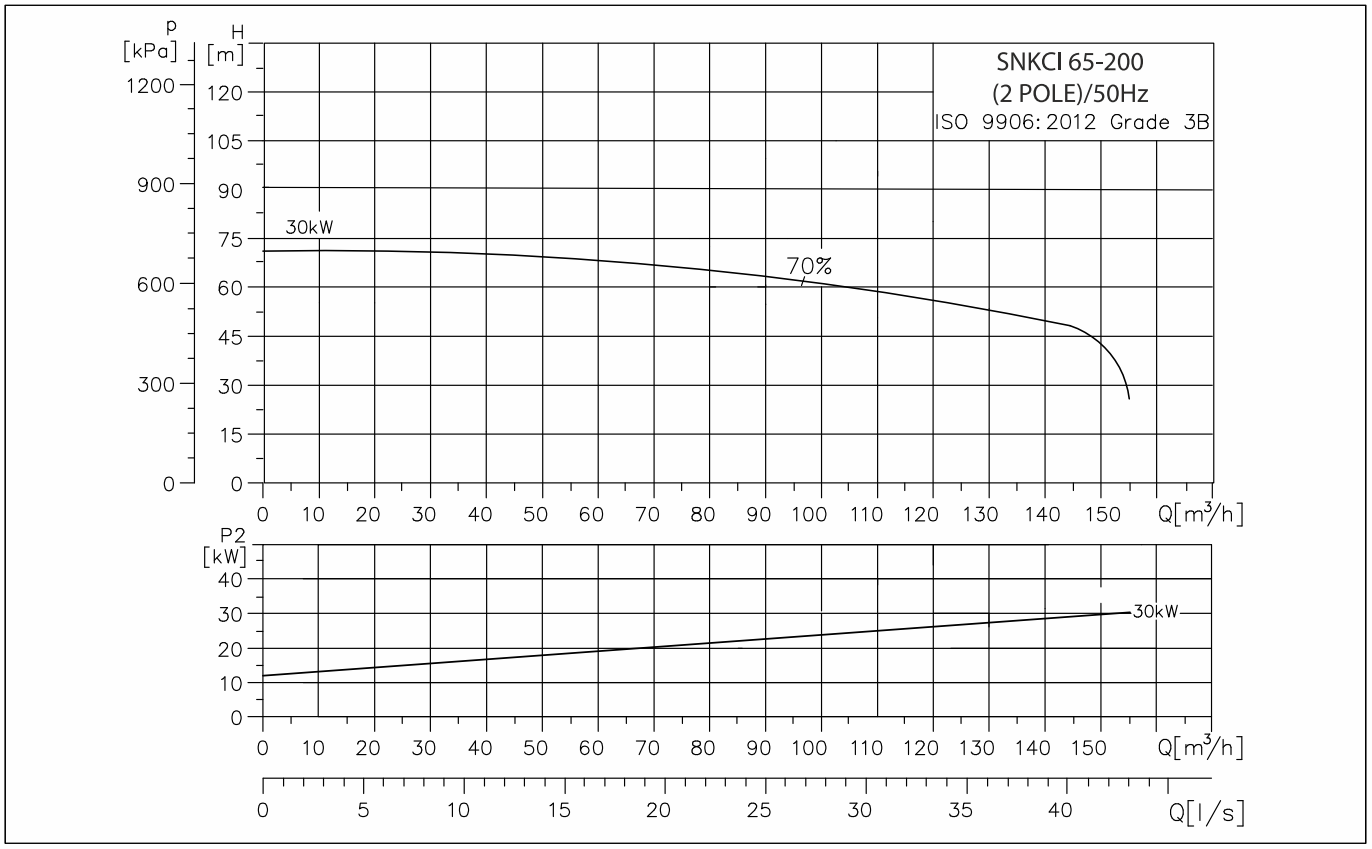
Frame Size :

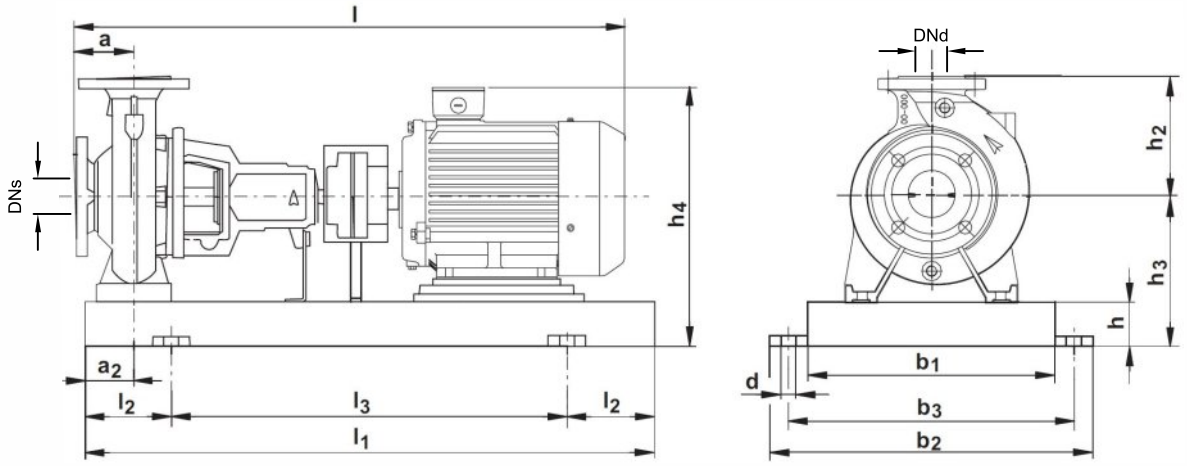
Note: All dimensions are in mm

PERFORMANCE CURVE

SNKCI 65-200 (2 POLE)/40HP

Material Code :
Power Rating : 40HP





Frame Size : 180M/L

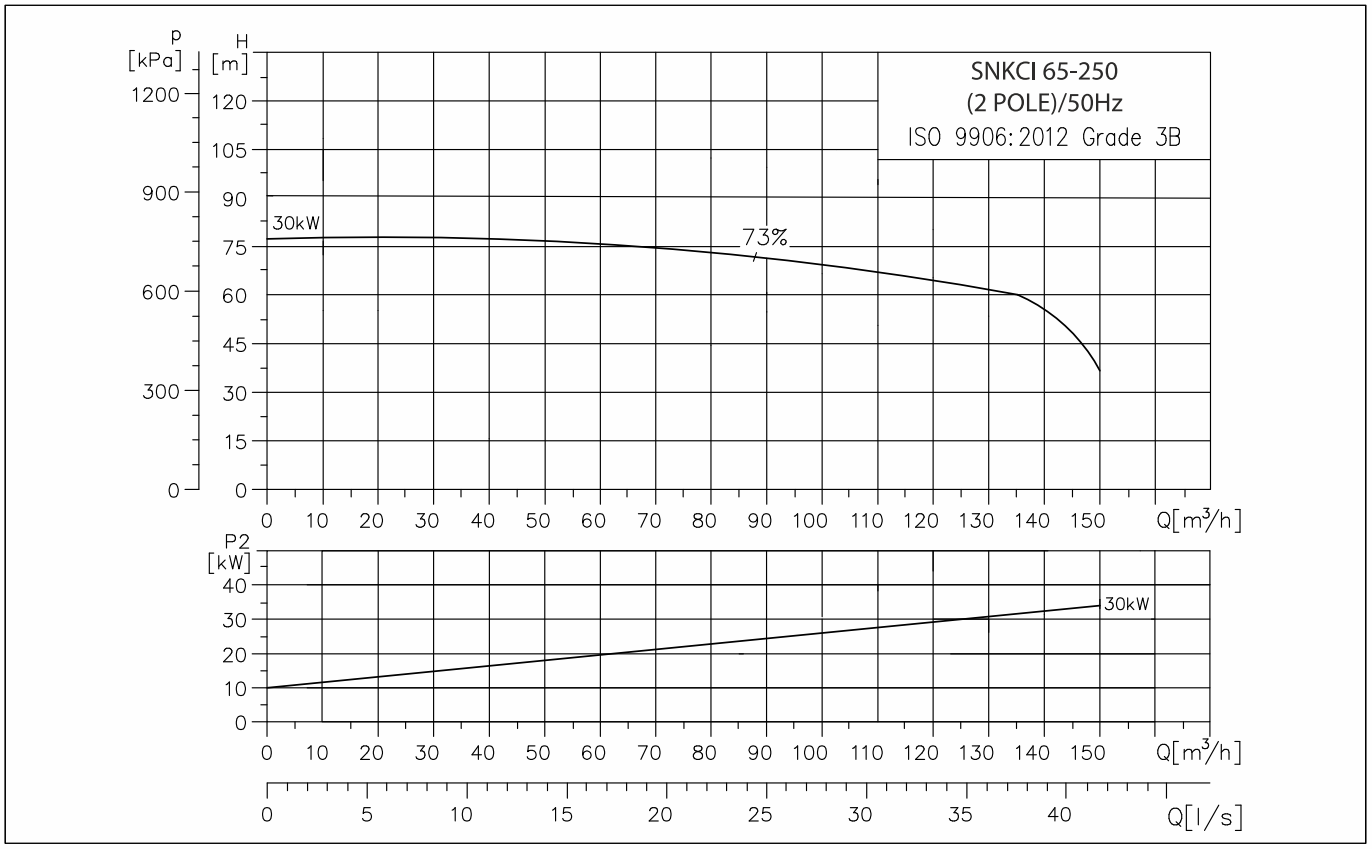
[kW/HP]	DNd	DNs	a	a_2	h	h_2	h_3	h_4	l	l_1	l_2	l_3	b_1	b_2	b_3	d
30.0/40.0	65	90	100	70	100	225	280	543	1200	1000	100	800	410	510	475	14

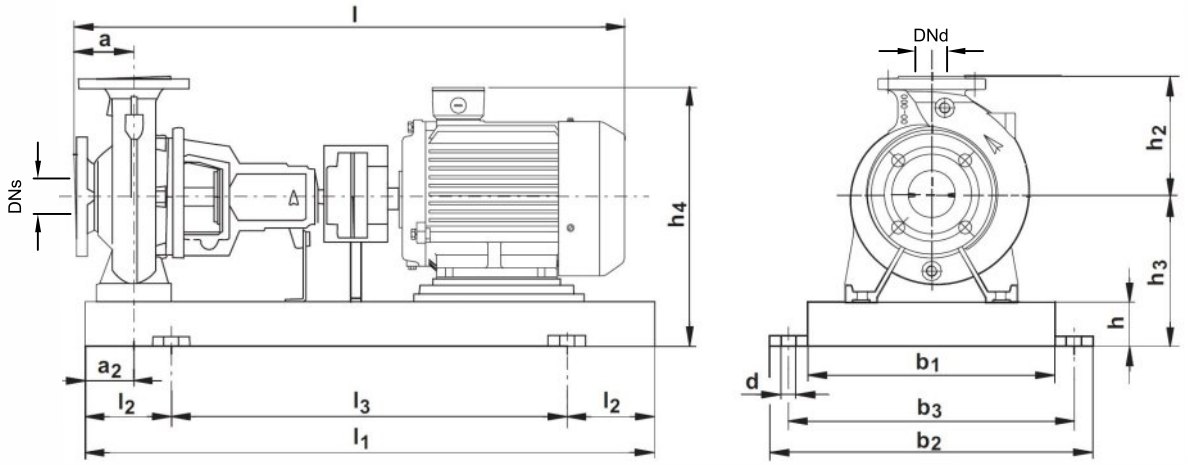
Note: All dimensions are in mm

PERFORMANCE CURVE

SNKCI 65-250 (2 POLE)/40HP

Material Code :
Power Rating : 40HP





Frame Size : 180M/L

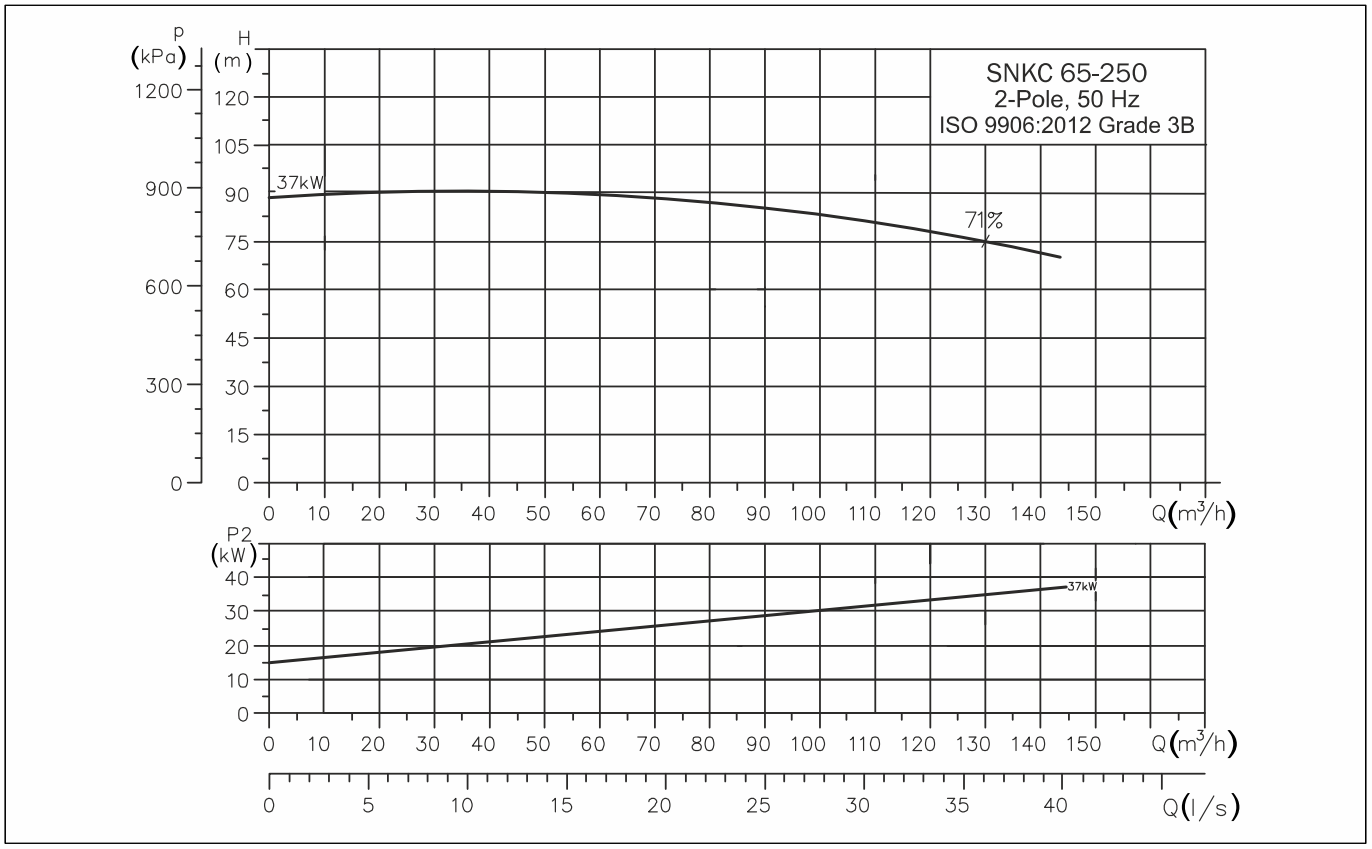
[kW/HP]	DNd	DNs	a	a_2	h	h_2	h_3	h_4	l	l_1	l_2	l_3	b_1	b_2	b_3	d
30.0/40.0	65	100	100	85	100	250	300	563	1310	1120	160	800	410	510	470	19

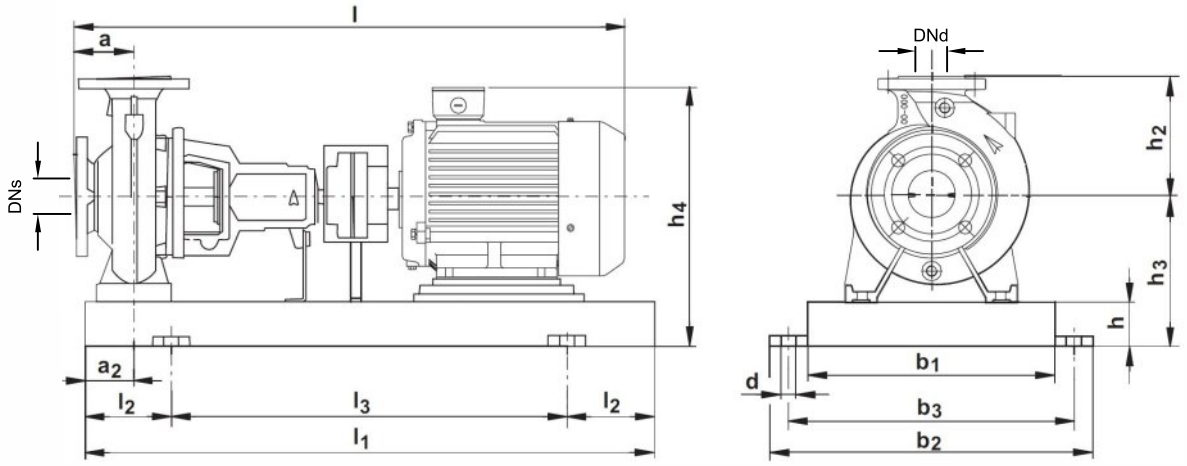
Note: All dimensions are in mm

PERFORMANCE CURVE

SNKC 65-250 (2 POLE)/50HP

Material Code :
Power Rating : 50HP





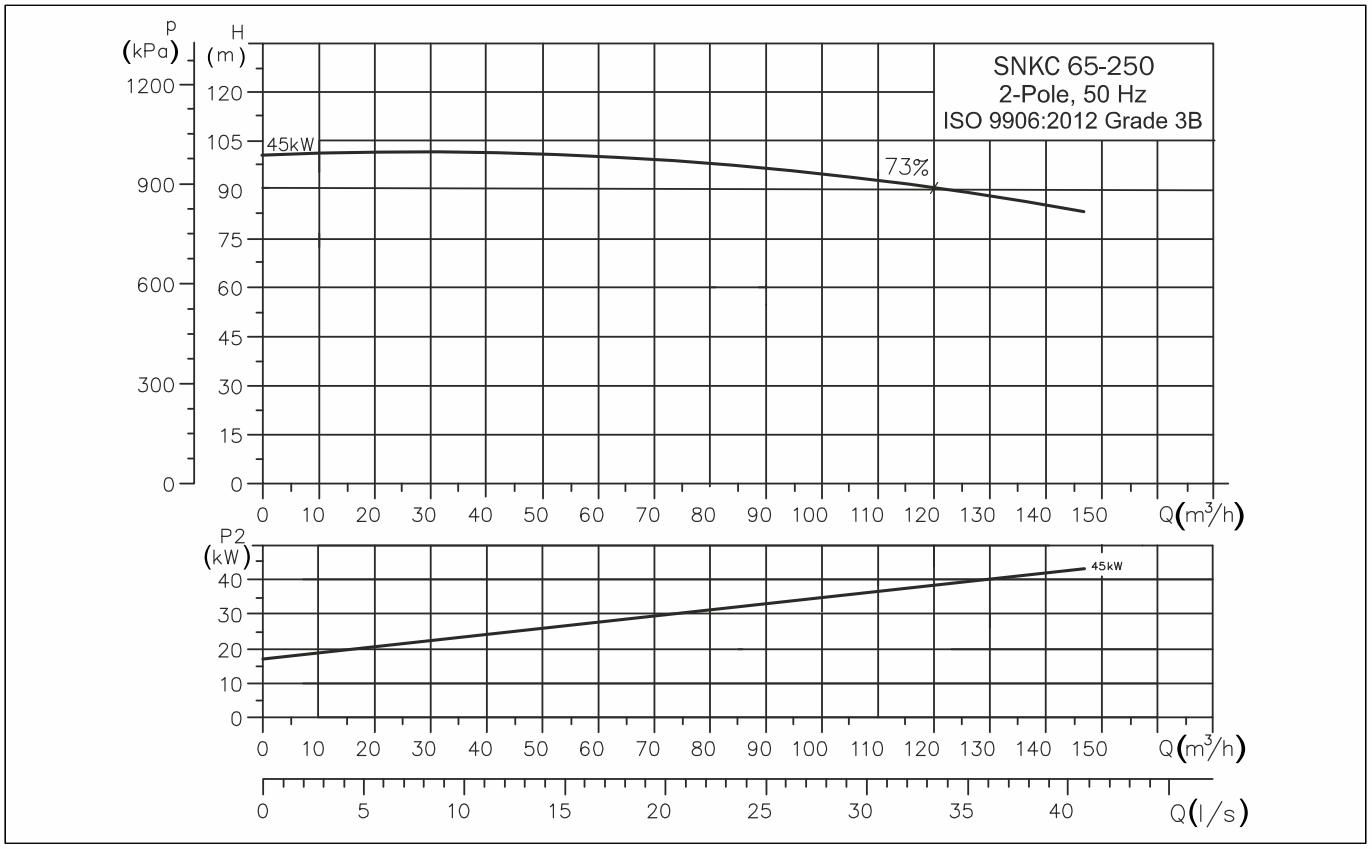
Frame Size :

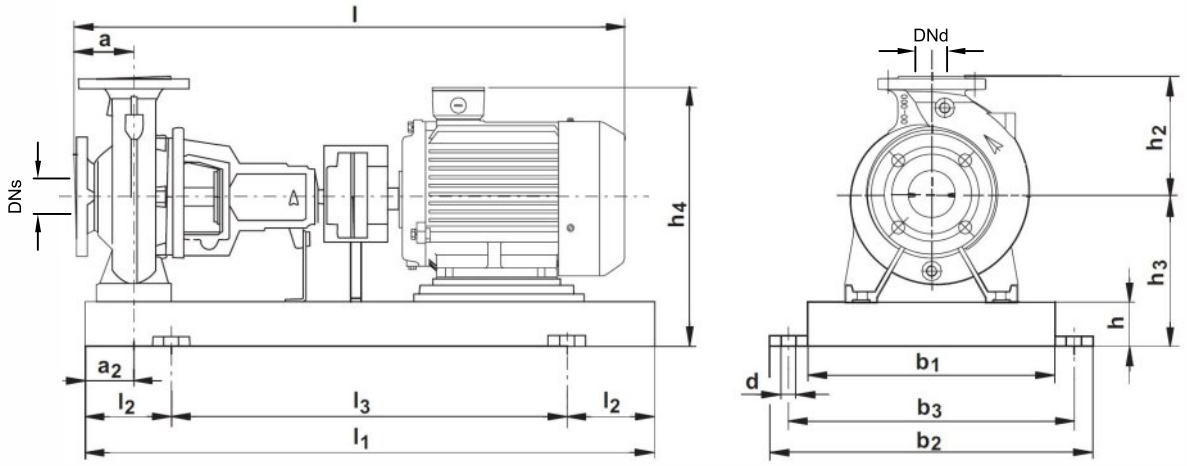
Note: All dimensions are in mm

PERFORMANCE CURVE

SNKC 65-250 (2 POLE)/60HP

Material Code :
Power Rating : 60HP





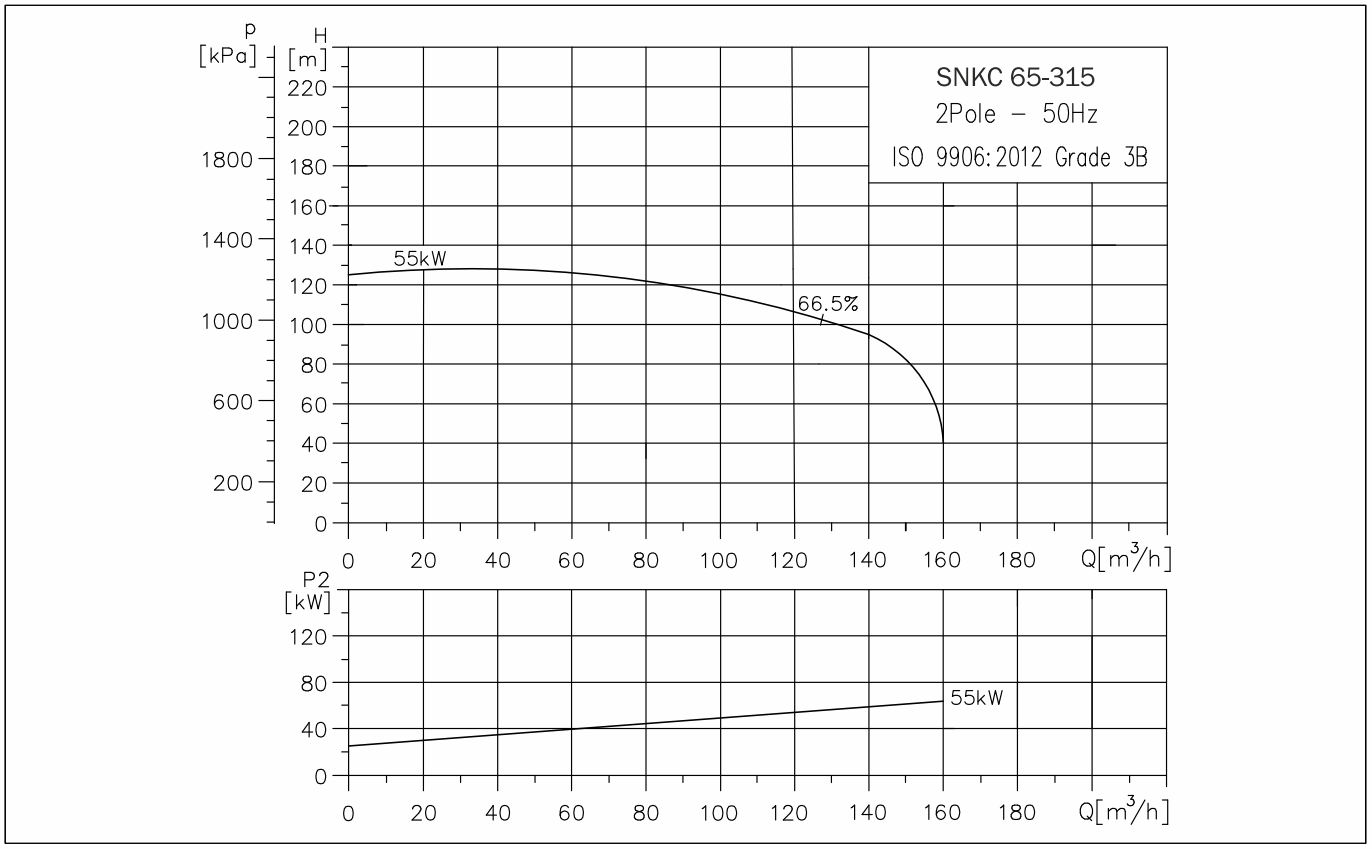
Frame Size :

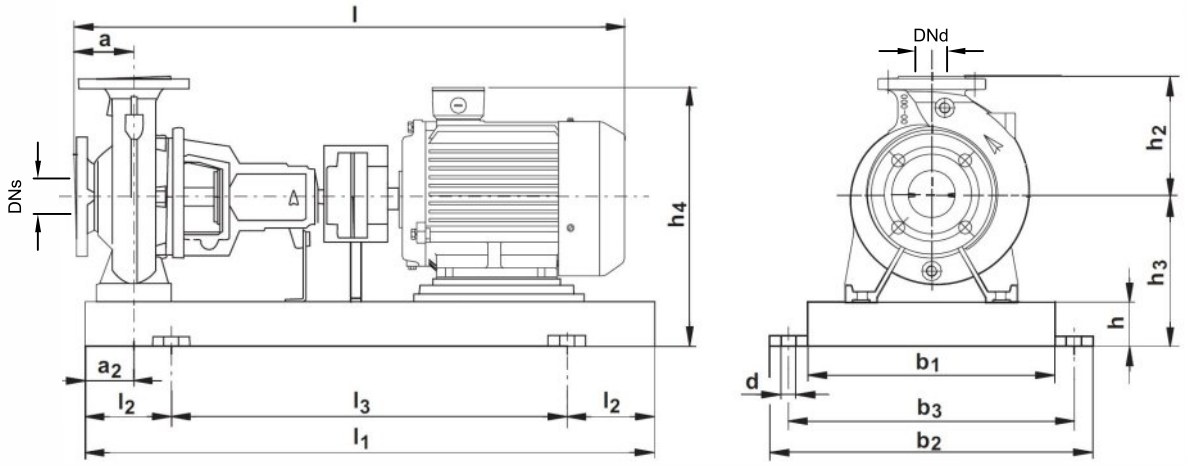
Note: All dimensions are in mm

PERFORMANCE CURVE

SNKC 65-315 (2 POLE)/75HP

Material Code :
Power Rating : 75HP





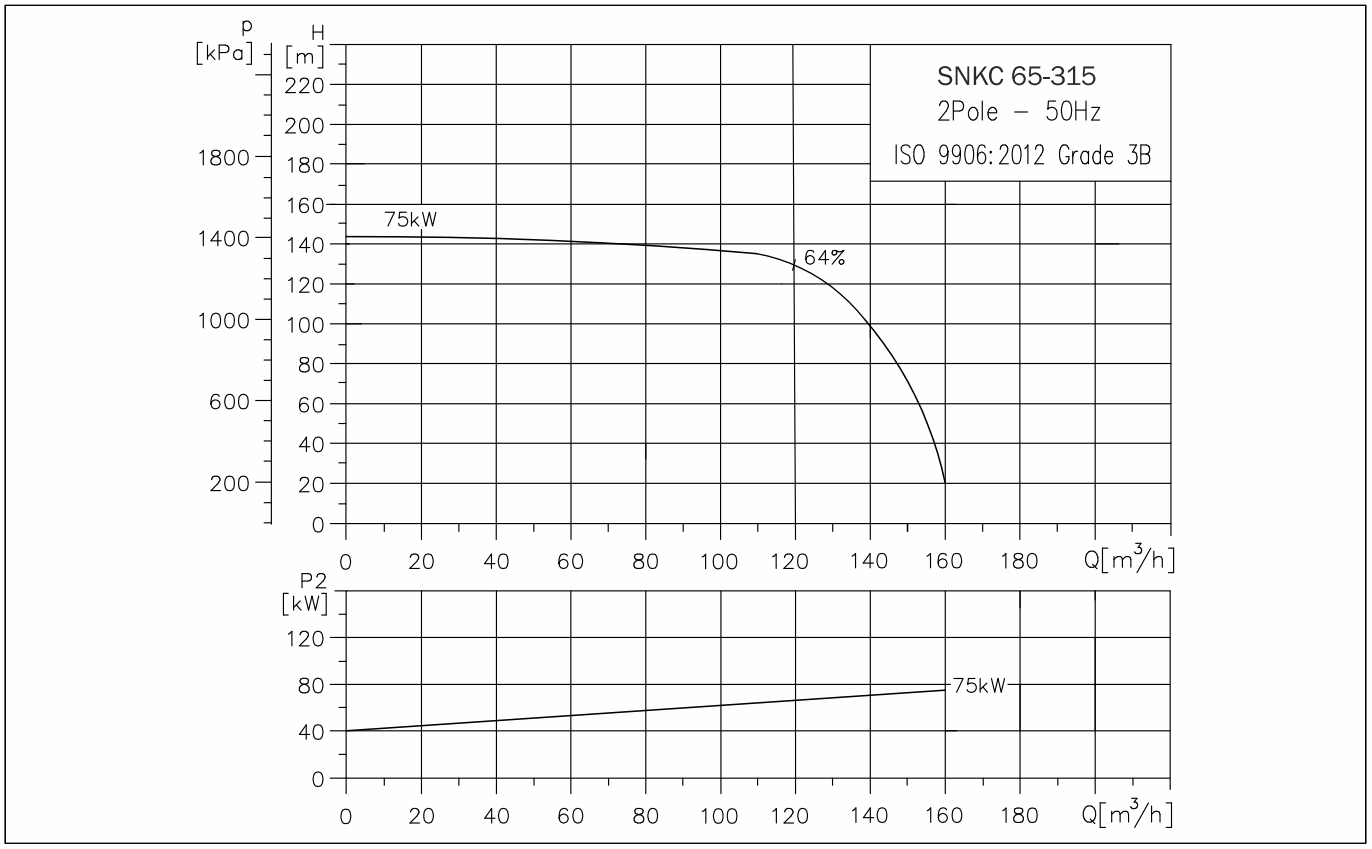
Frame Size :

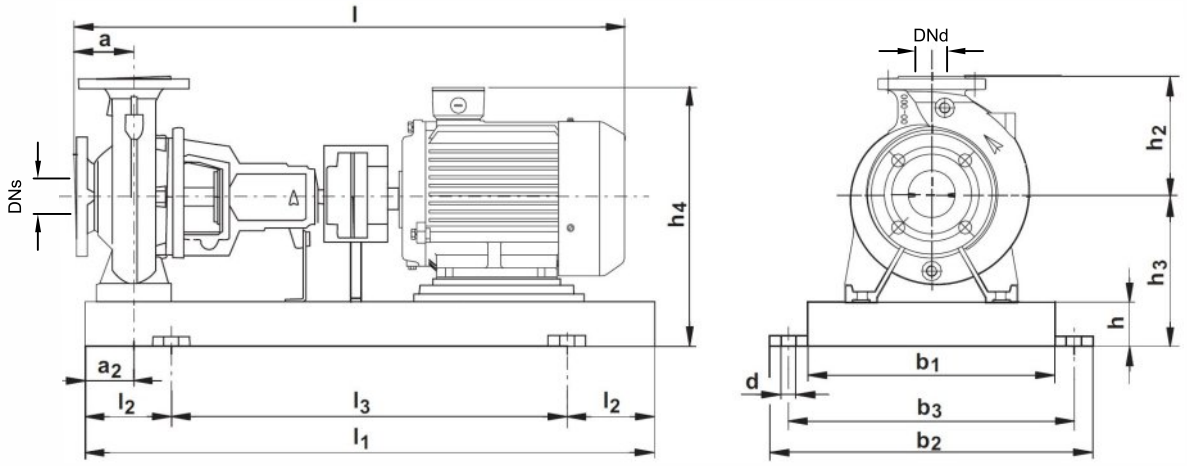
Note: All dimensions are in mm

PERFORMANCE CURVE

SNKC 65-315 (2 POLE)/100HP

Material Code :
Power Rating : 100HP





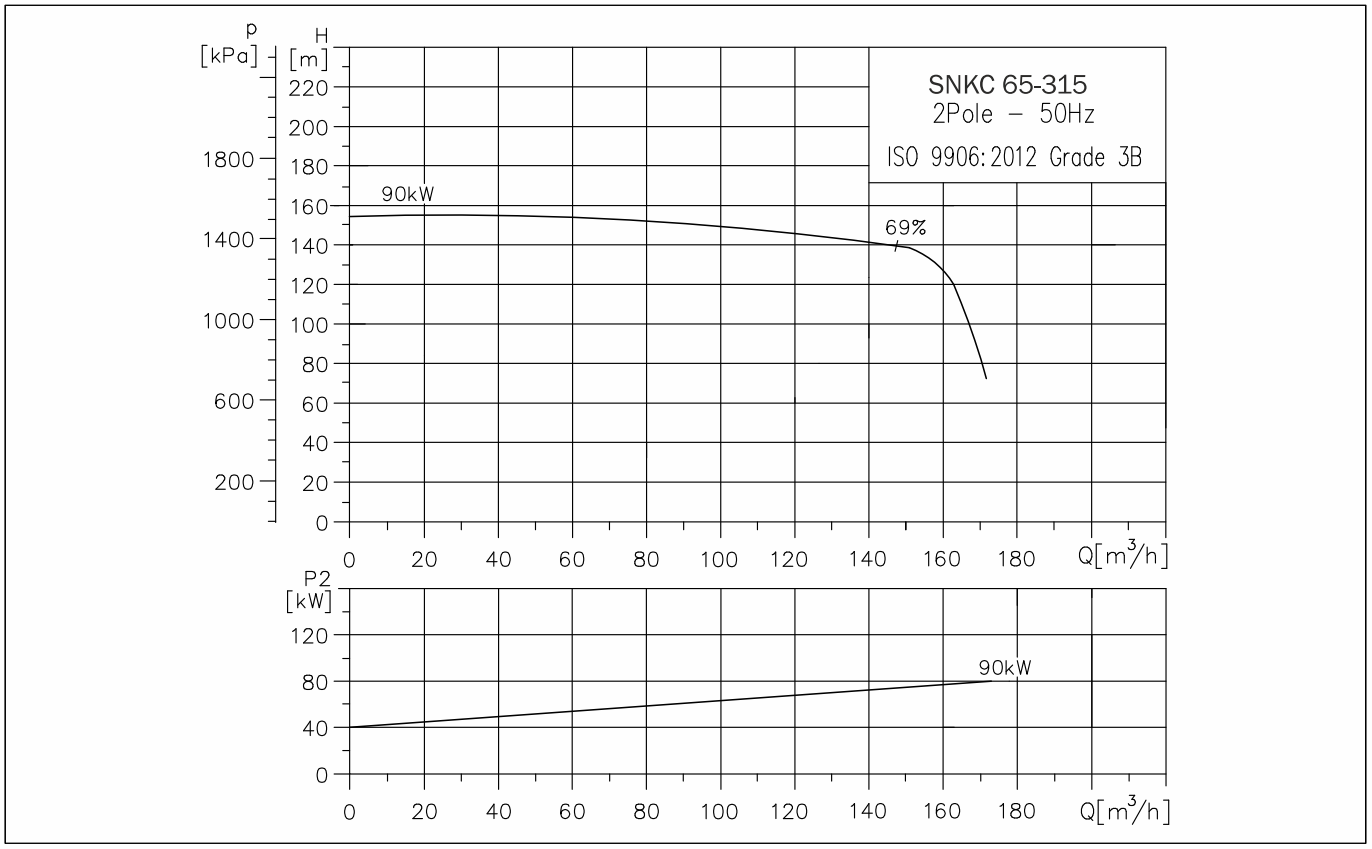
Frame Size :

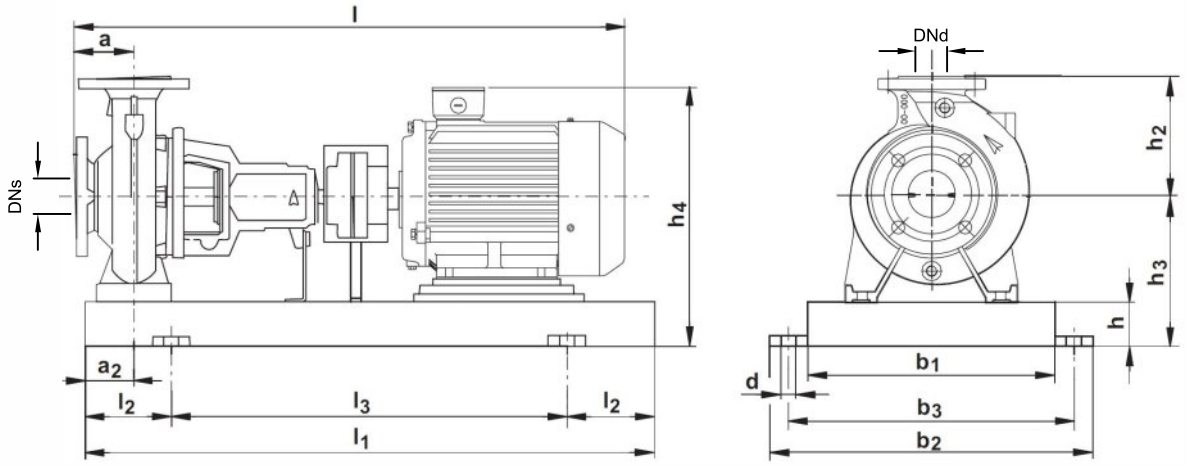
Note: All dimensions are in mm

PERFORMANCE CURVE

SNKC 65-315 (2 POLE)/120HP

Material Code :
Power Rating : 120HP





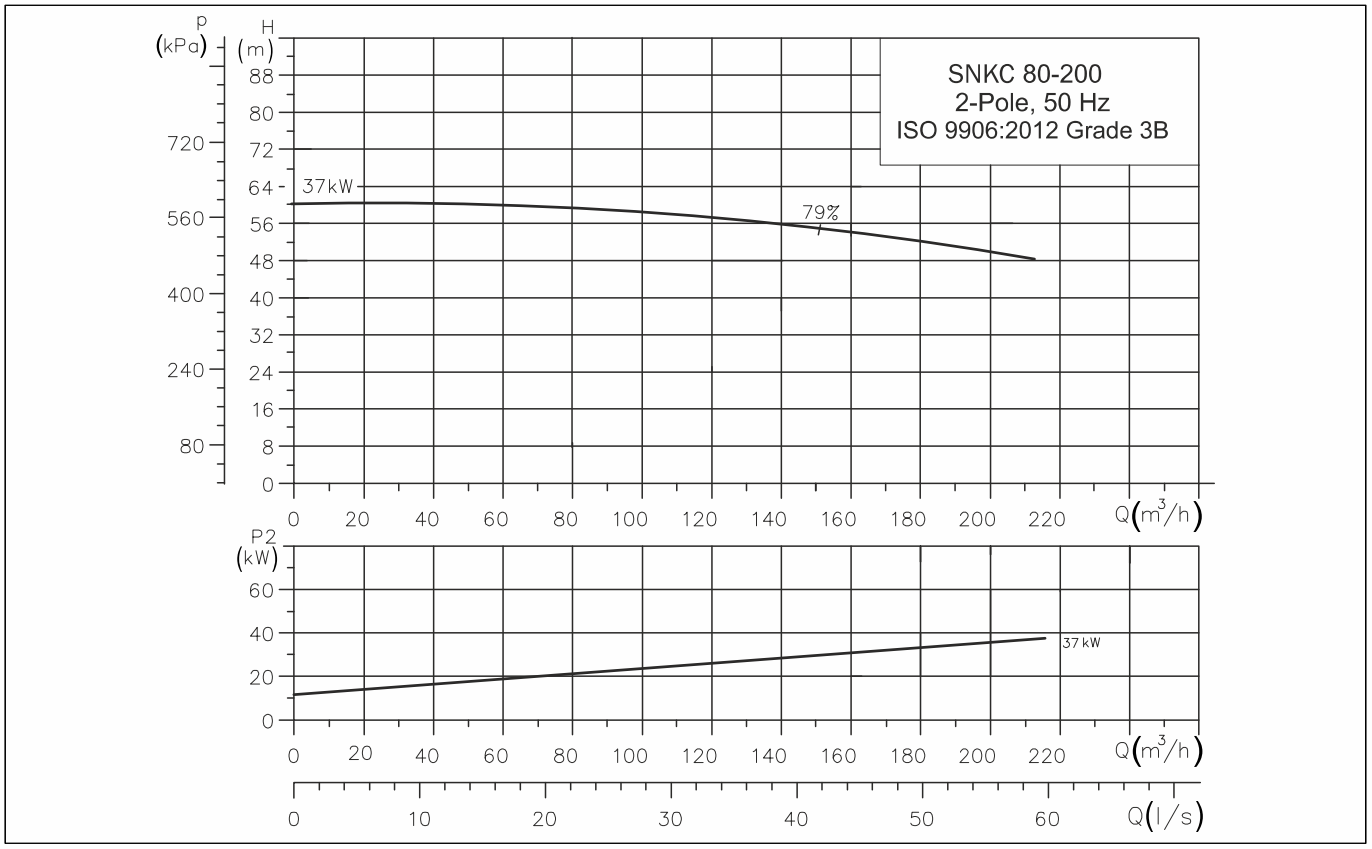
Frame Size :

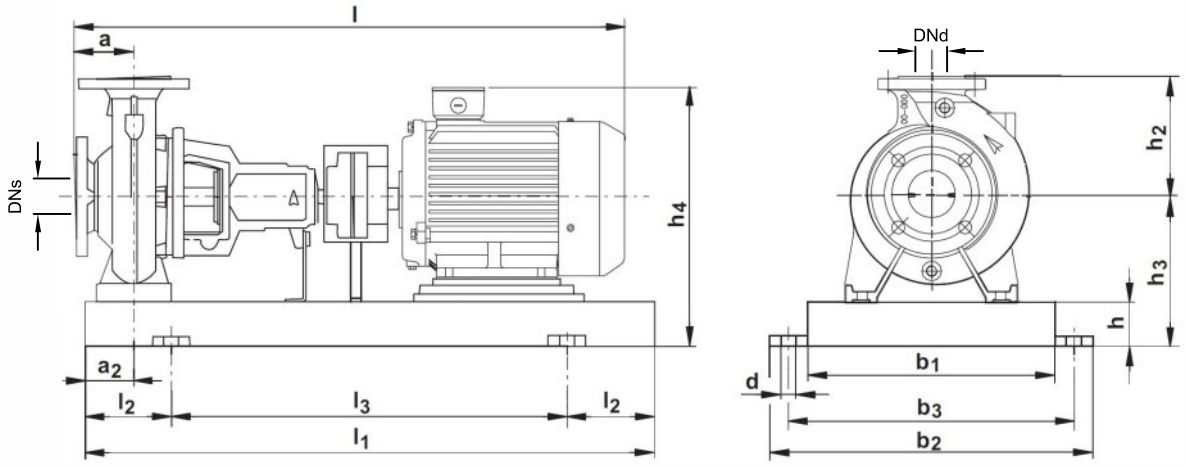
Note: All dimensions are in mm

PERFORMANCE CURVE

SNKC 80-200 (2 POLE)/50HP

Material Code :
Power Rating : 50HP





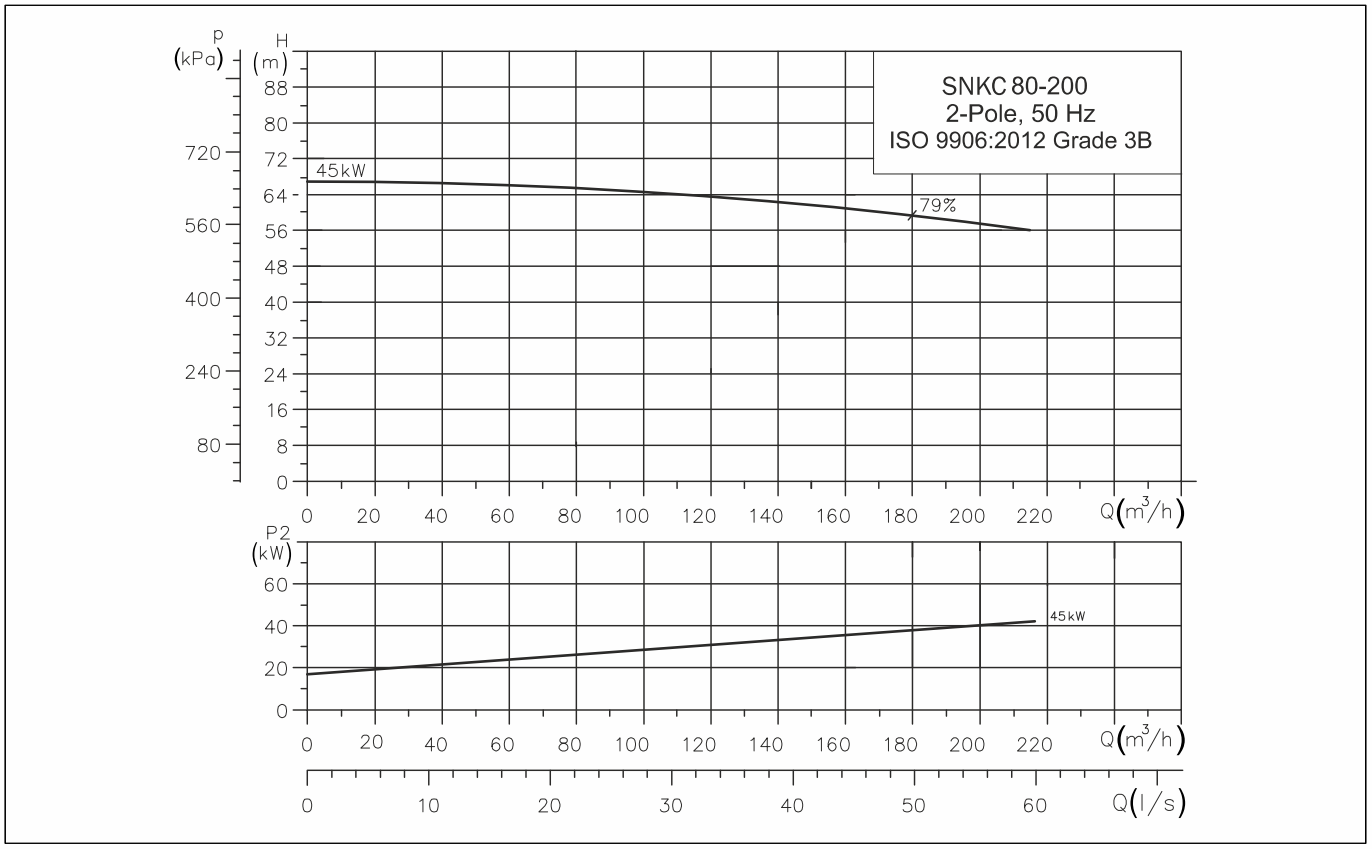
Frame Size :

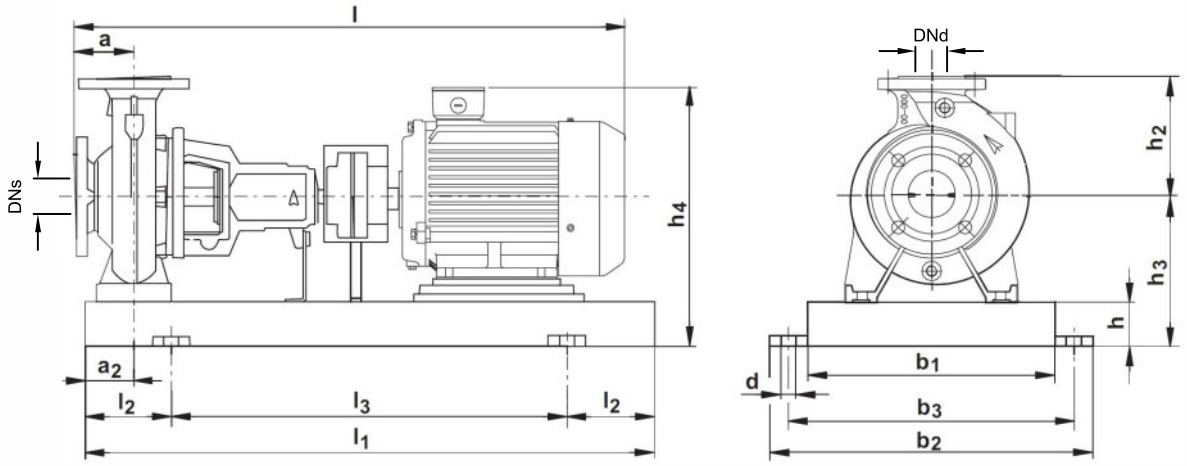
Note: All dimensions are in mm

PERFORMANCE CURVE

SNKC 80-200 (2 POLE)/60HP

Material Code :
Power Rating : 60HP





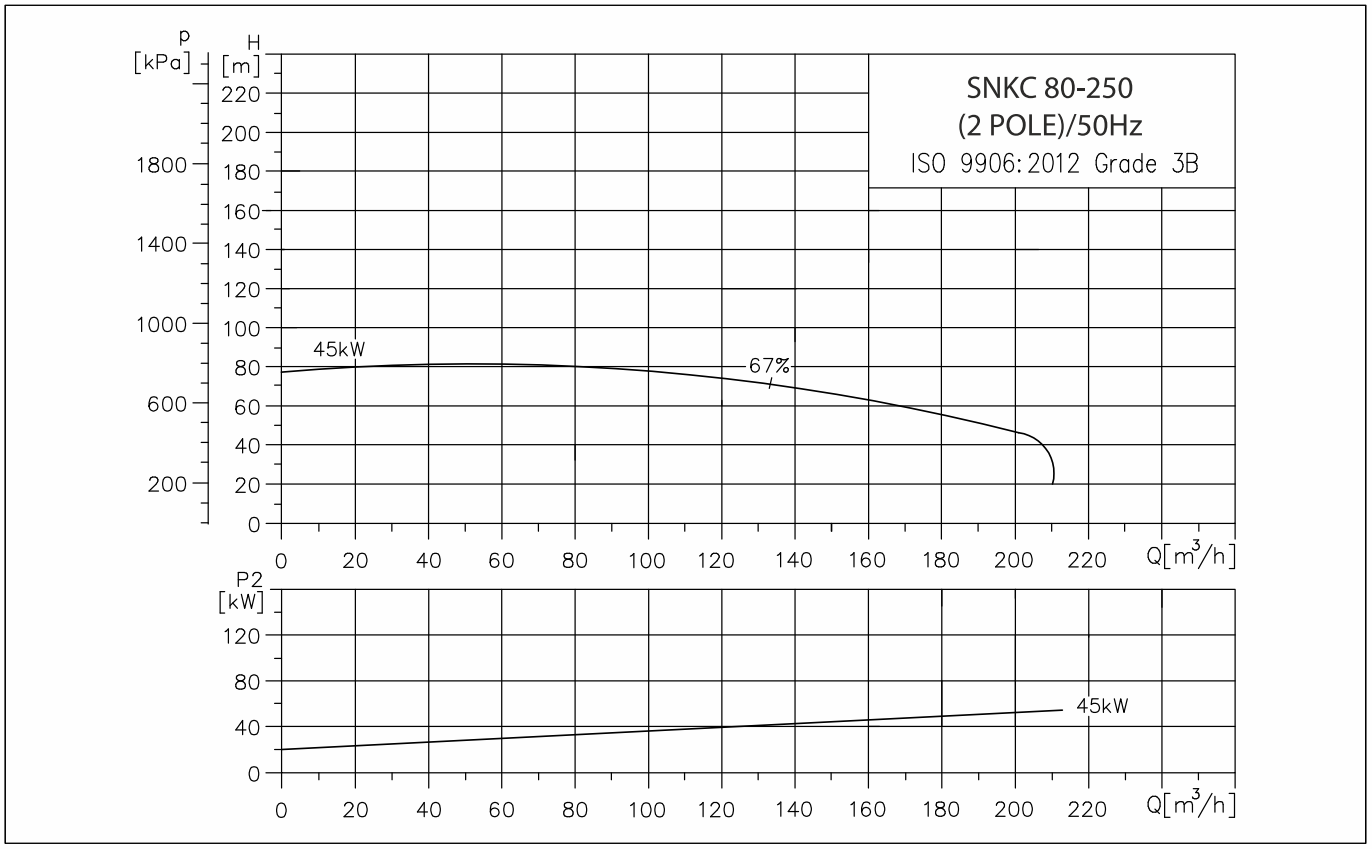
Frame Size :

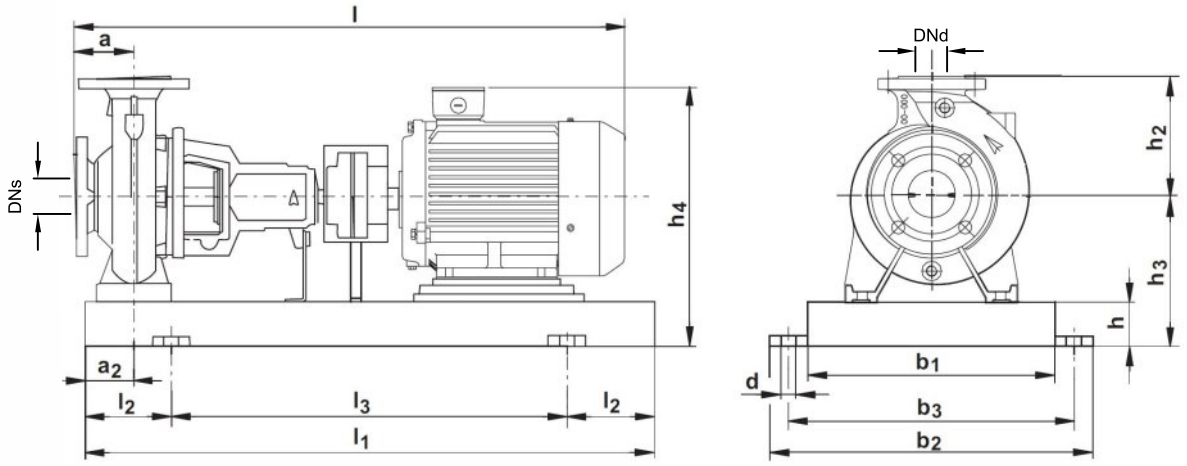
Note: All dimensions are in mm

PERFORMANCE CURVE

SNKC 80-250 (2 POLE)/60HP

Material Code :
Power Rating : 60HP





Frame Size :200L

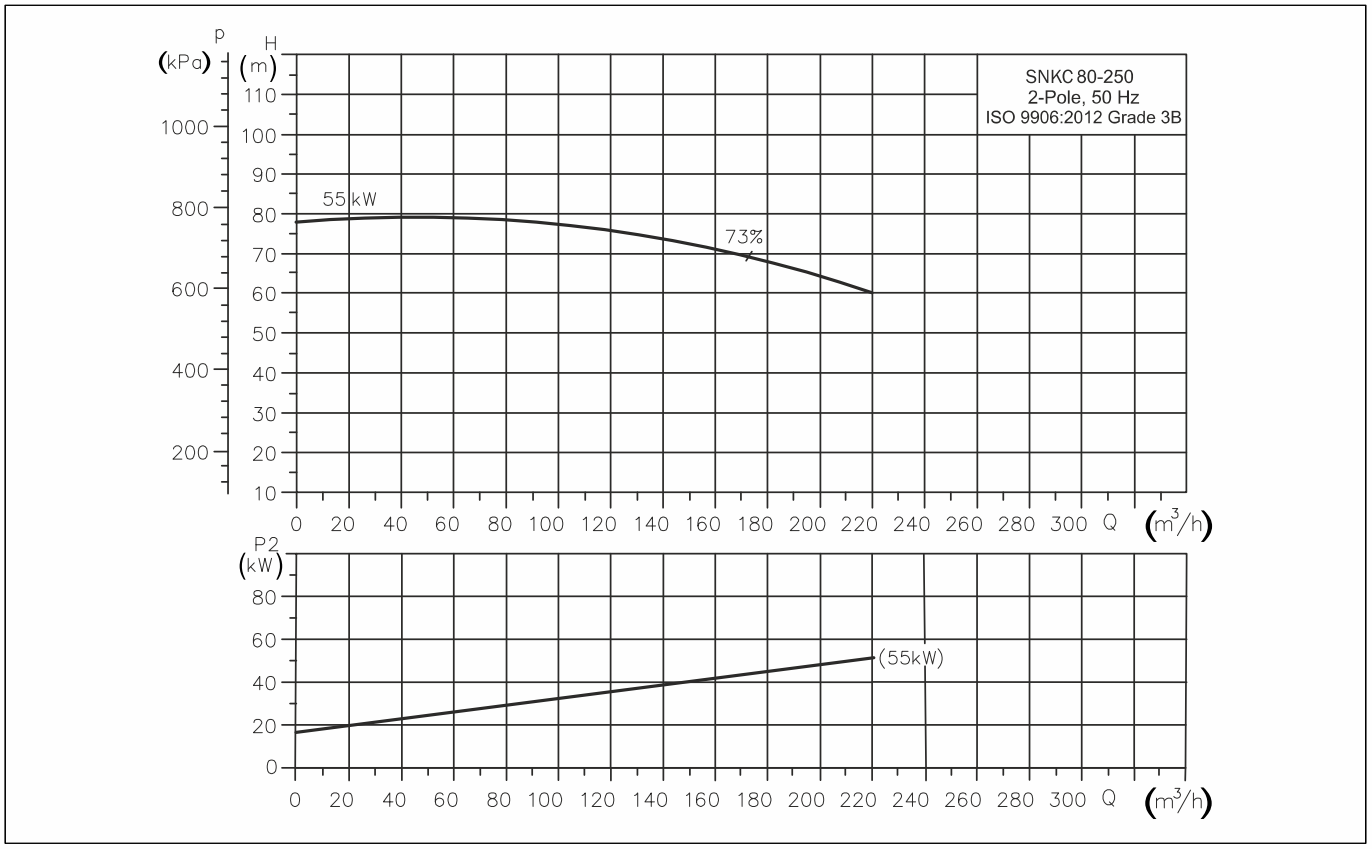
[kW/HP]	DNd	DNs	a	a_2	h	h_2	h_3	h_4	l	l_1	l_2	l_3	b_1	b_2	b_3	d
45.0/60.0	80	100	125	85	100	280	300	595	1420	1200	100	1000	450	550	510	19

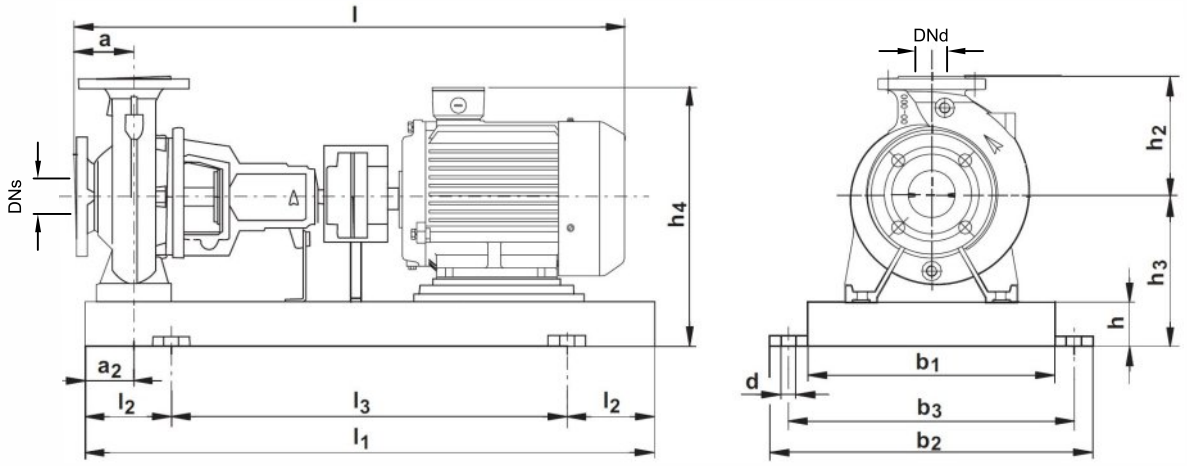
Note: All dimensions are in mm

PERFORMANCE CURVE

SNKC 80-250 (2 POLE)/75HP

Material Code :
Power Rating : 75HP





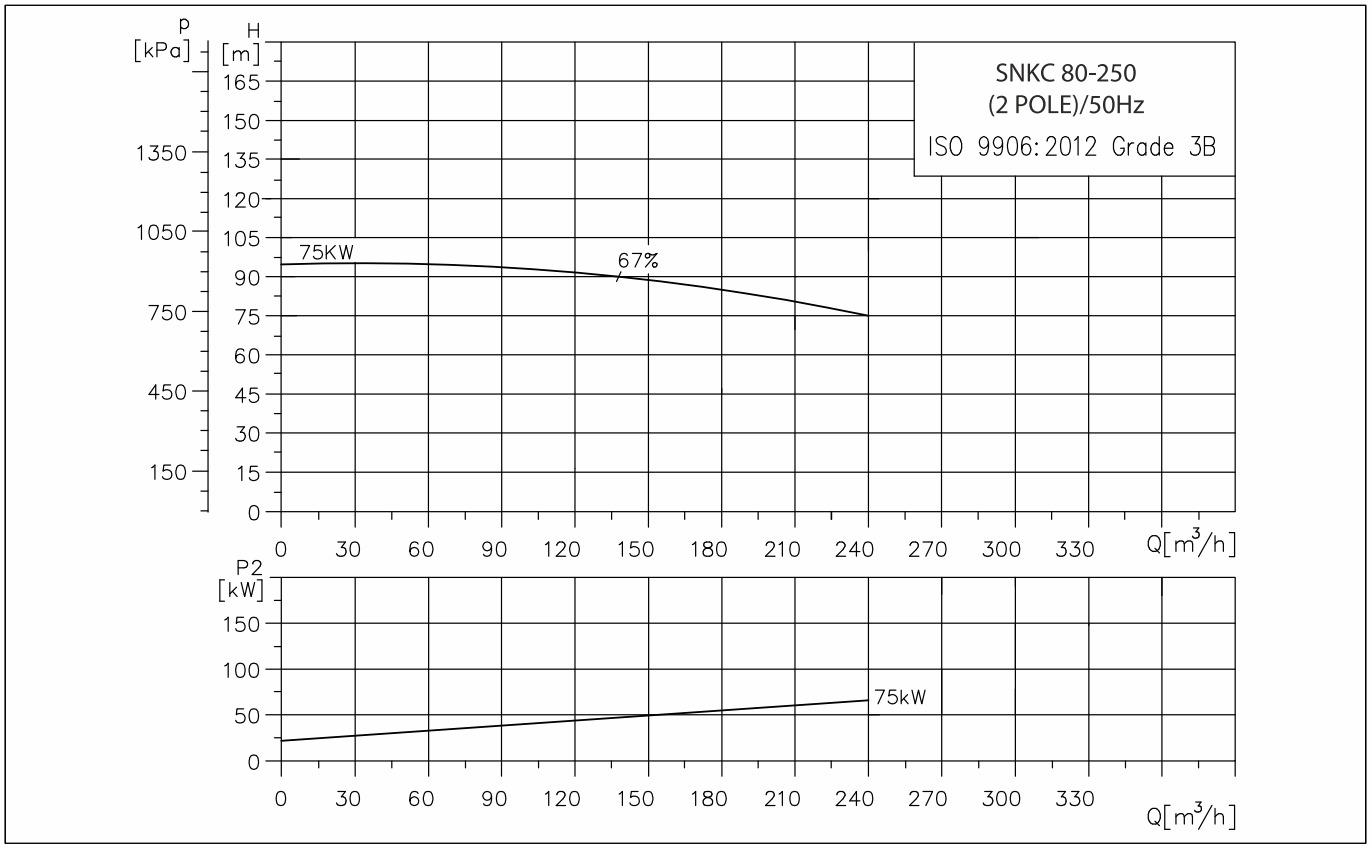
Frame Size :

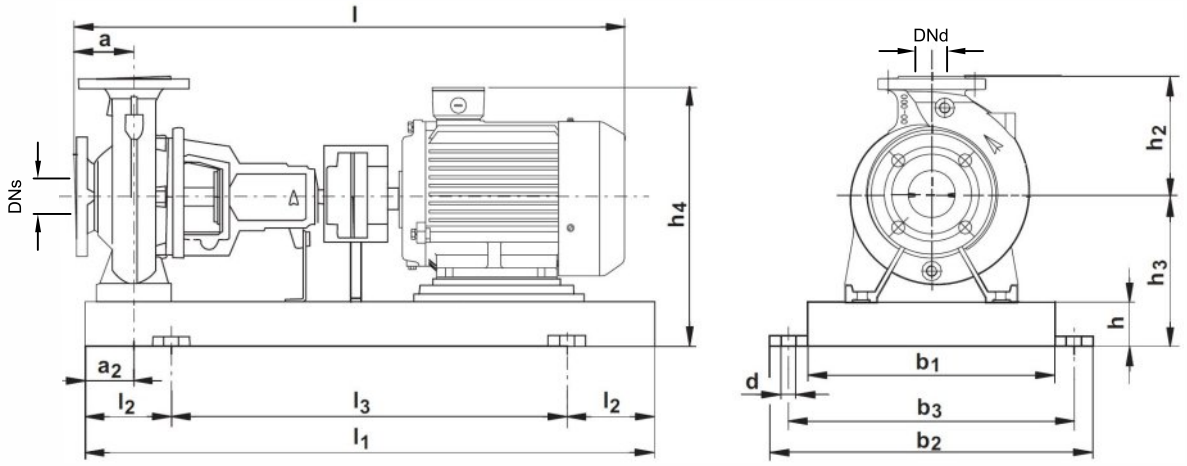
Note: All dimensions are in mm

PERFORMANCE CURVE

SNKC 80-250 (2 POLE)/100HP

Material Code :
Power Rating : 100HP





Frame Size :250

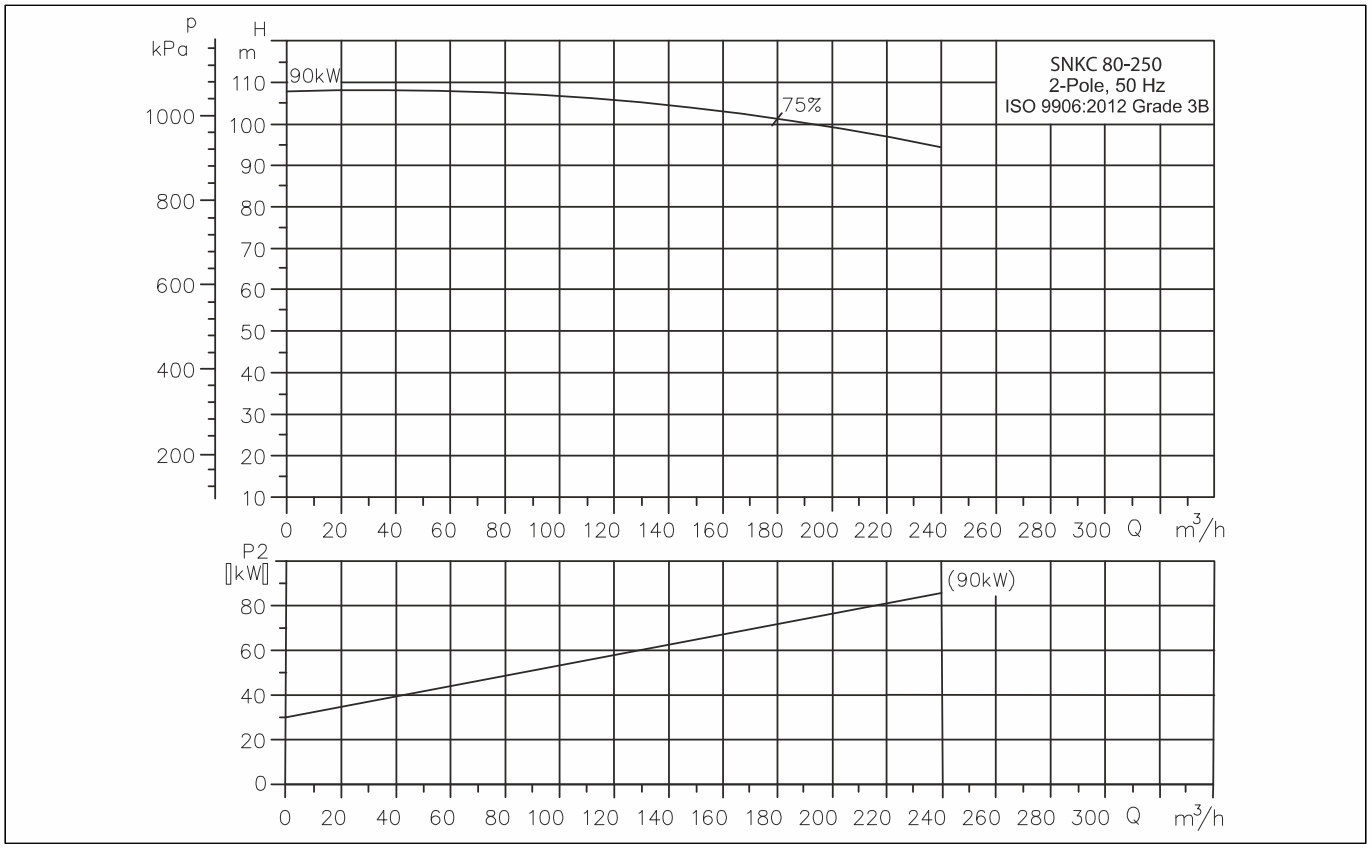
[kW/HP]	DNd	DNs	a	a_2	h	h_2	h_3	h_4	l	l_1	l_2	l_3	b_1	b_2	b_3	d
75.0/100.0	80	100	125	85	100	280	350	710	1605	1300	150	1000	500	600	560	19

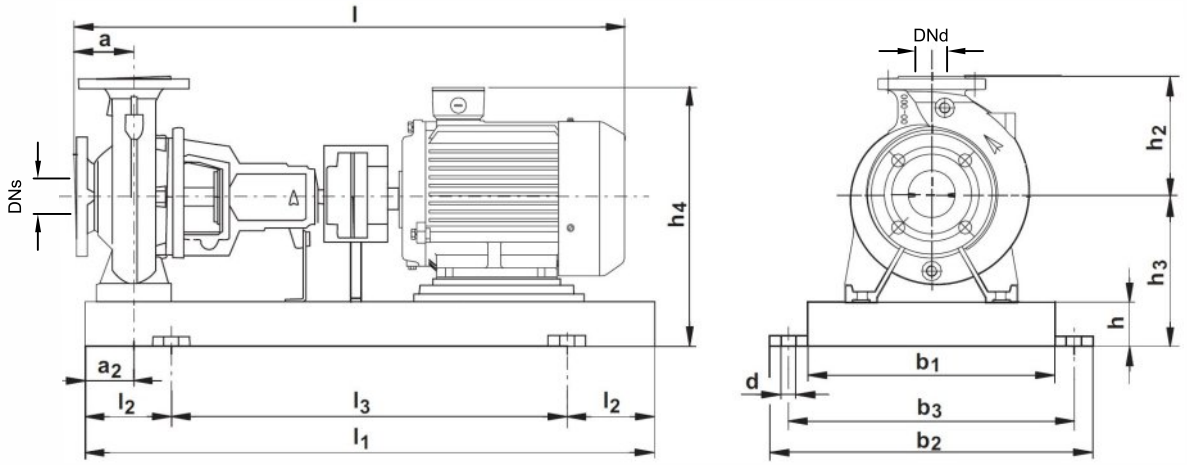
Note: All dimensions are in mm

PERFORMANCE CURVE

SNKC 80-250 (2 POLE)/120HP

Material Code :
Power Rating : 120HP





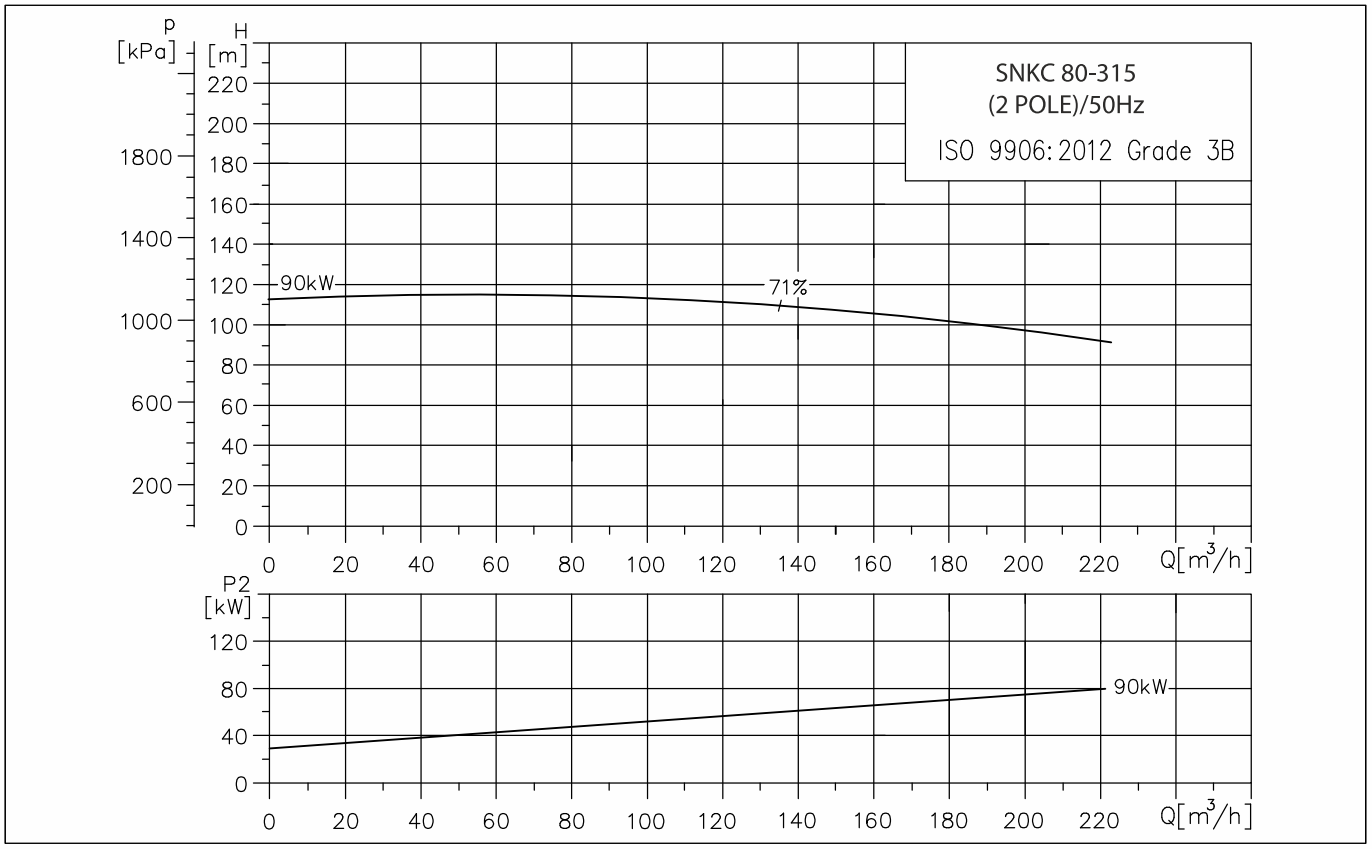
Frame Size :

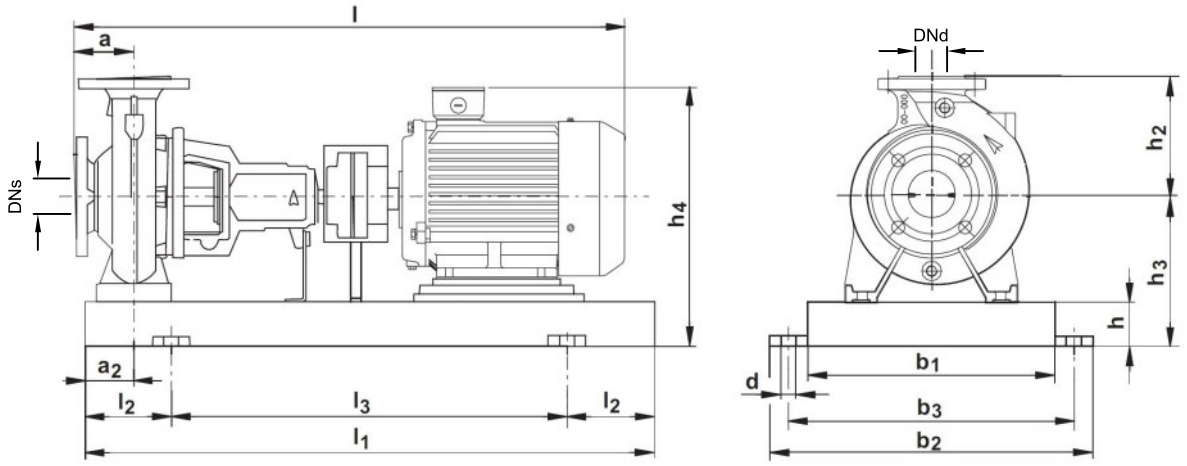
Note: All dimensions are in mm

PERFORMANCE CURVE

SNKC 80-315 (2 POLE)/120HP

Material Code :
Power Rating : 120HP





Frame Size : 280

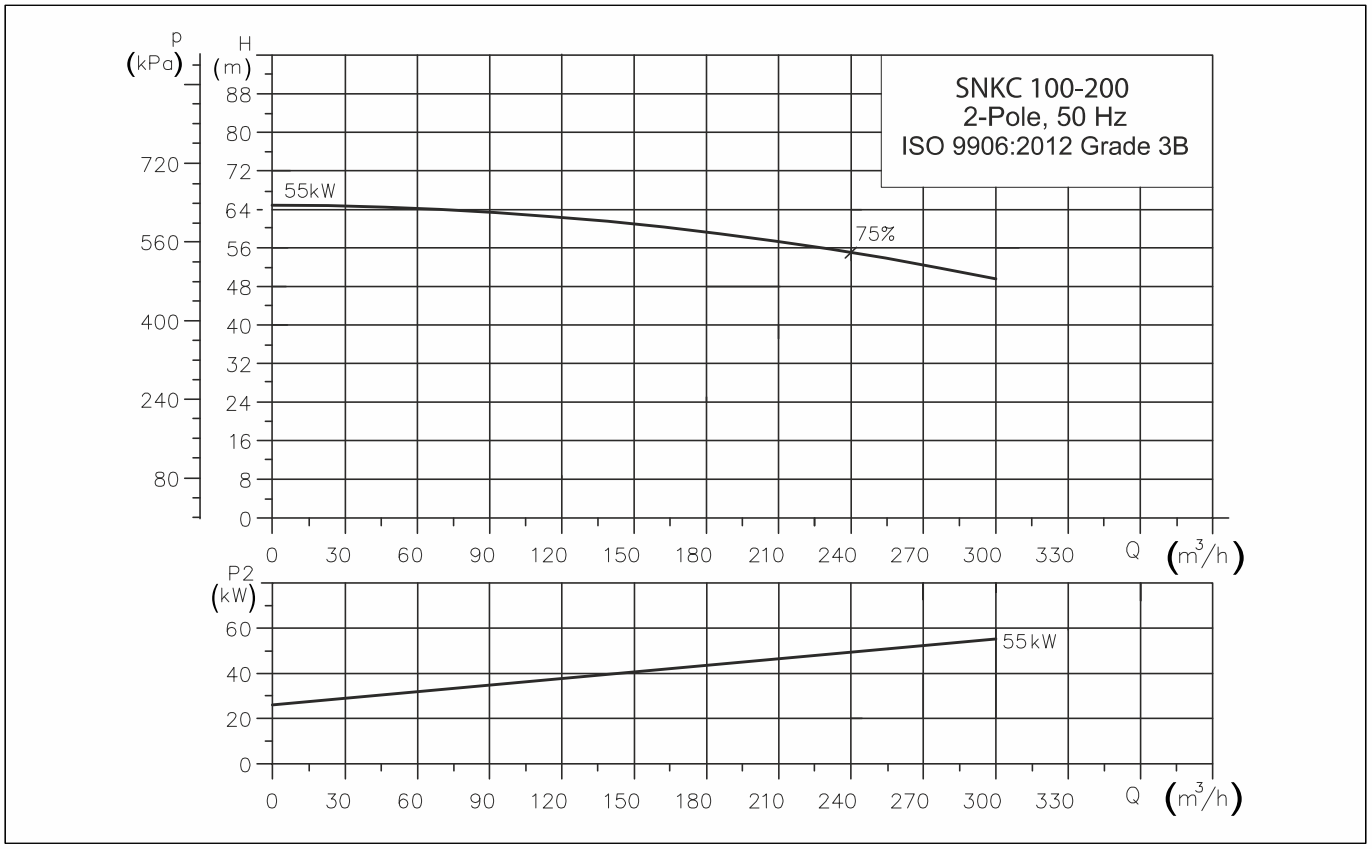
[kW/HP]	DNd	DNs	a	a_2	h	h_2	h_3	h_4	l	l_1	l_2	l_3	b_1	b_2	b_3	d
90.0/120.0	80	100	125	85	125	315	405	797	1685	1400	100	1200	600	730	670	28

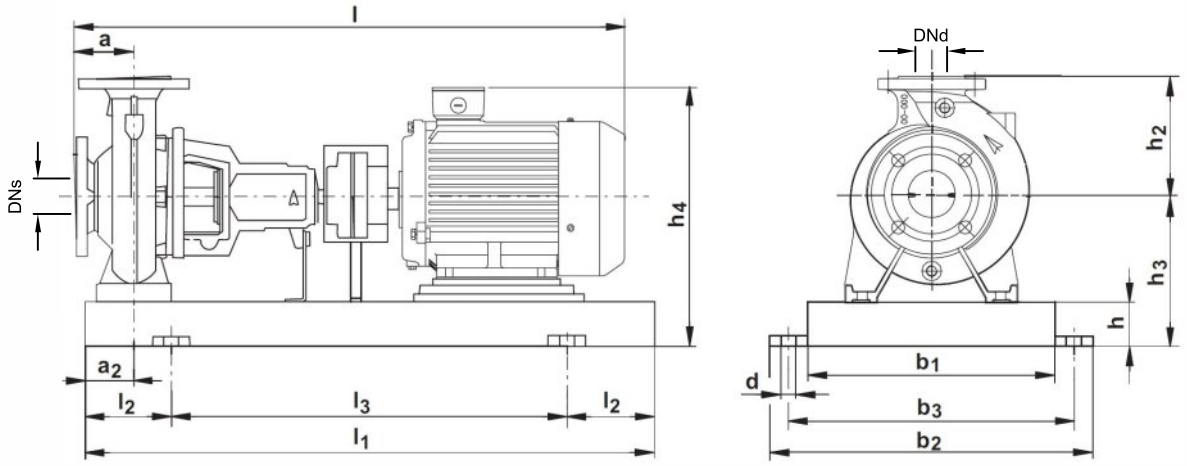
Note: All dimensions are in mm

PERFORMANCE CURVE

SNKC 100-200 (2 POLE)/75HP

Material Code :
Power Rating : 75HP





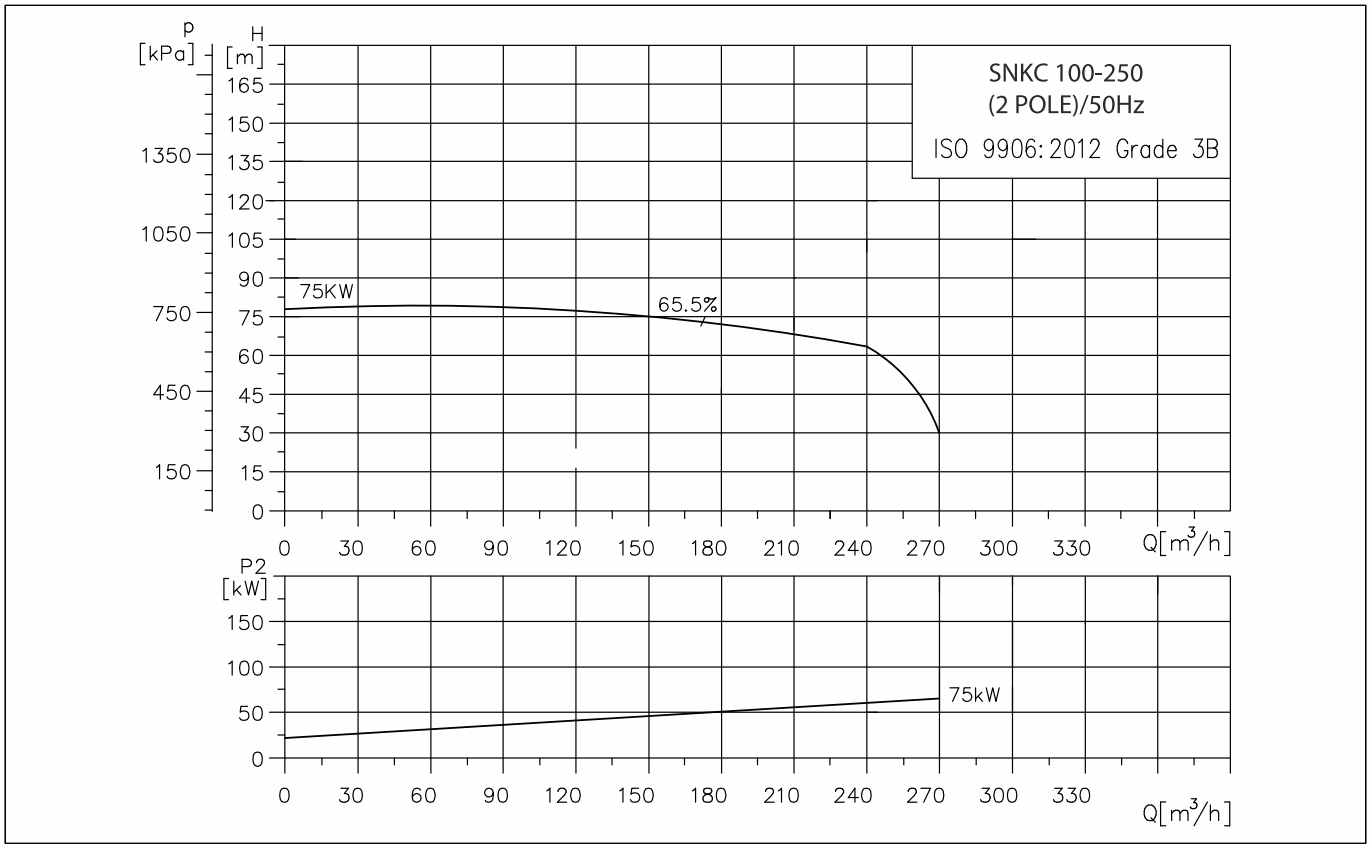
Frame Size :

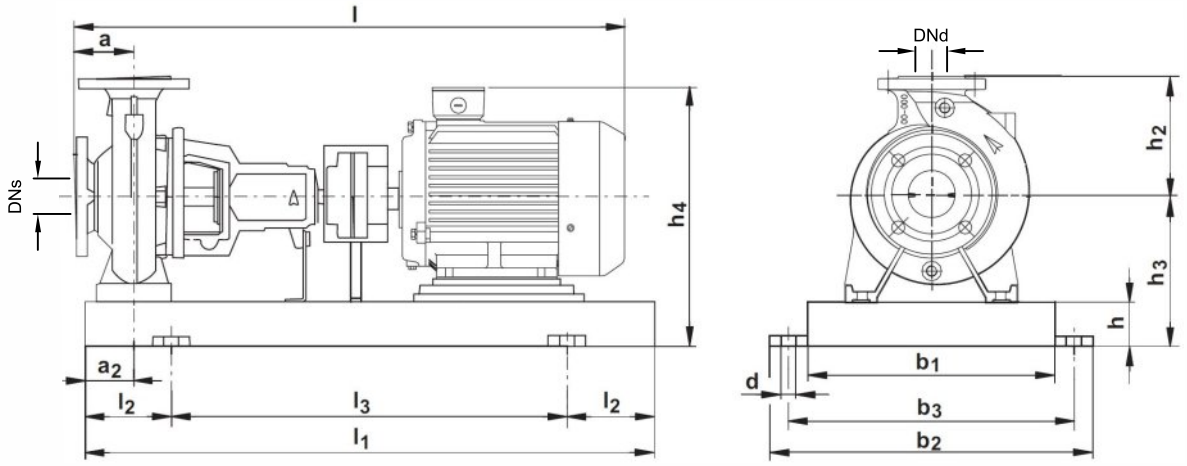
Note: All dimensions are in mm

PERFORMANCE CURVE

SNKC 100-250 (2 POLE)/100HP

Material Code :
Power Rating : 100HP





Frame Size : 250

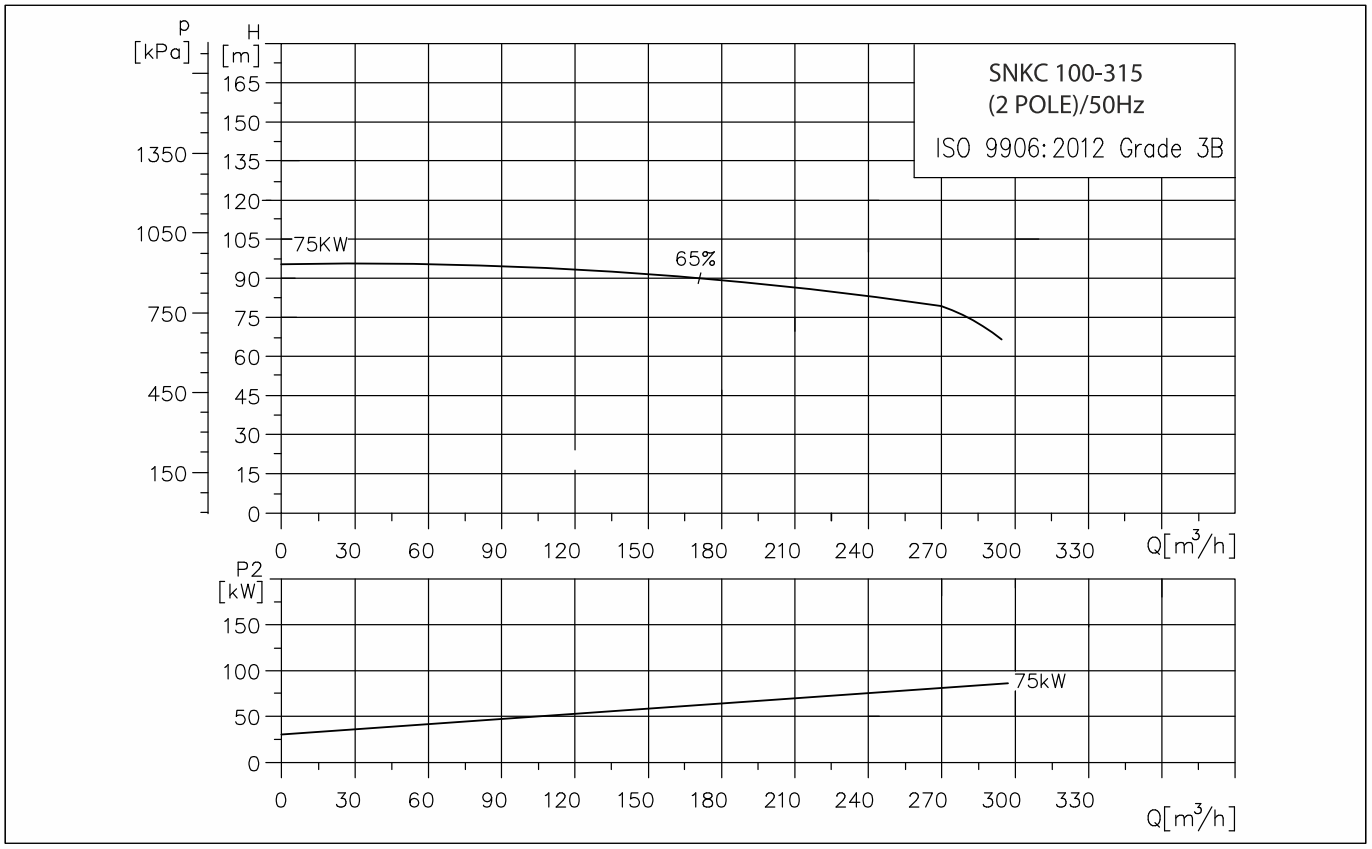
[kW/HP]	DNd	DNs	a	a_2	h	h_2	h_3	h_4	l	l_1	l_2	l_3	b_1	b_2	b_3	d
75.0/100.0	100	125	140	85	100	280	350	710	1620	1300	150	1000	500	600	560	19

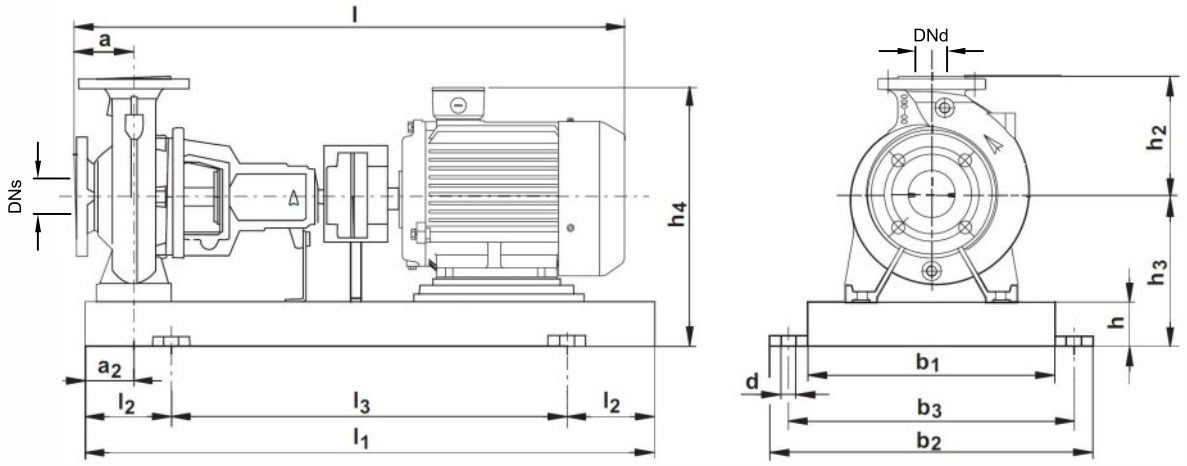
Note: All dimensions are in mm

PERFORMANCE CURVE

SNKC 100-315 (2 POLE)/100HP

Material Code :
Power Rating : 100HP





Frame Size : 250

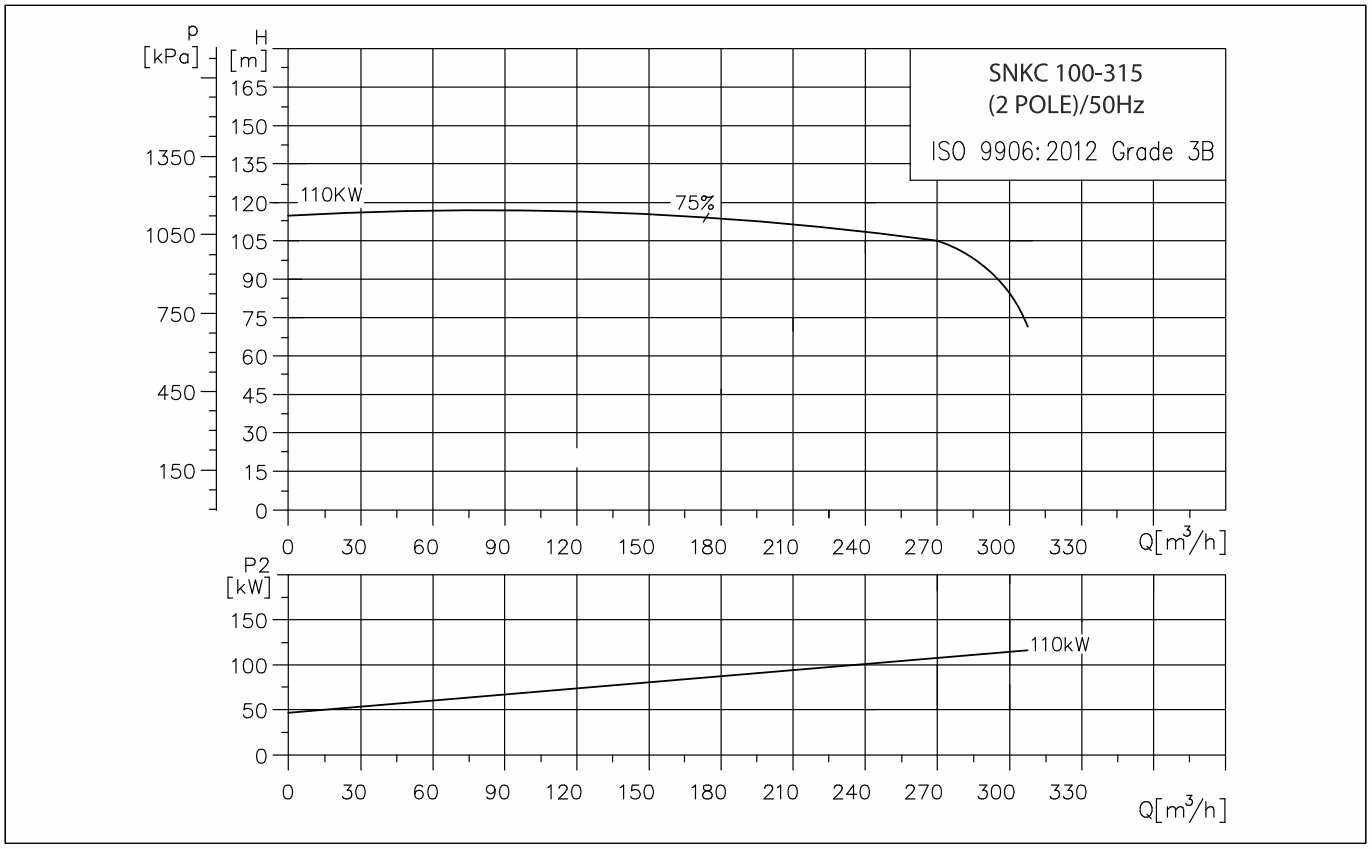
[kW/HP]	DNd	DNs	a	a_2	h	h_2	h_3	h_4	l	l_1	l_2	l_3	b_1	b_2	b_3	d
75.0/100.0	100	125	140	85	100	315	350	710	1620	1300	150	1000	500	600	560	19

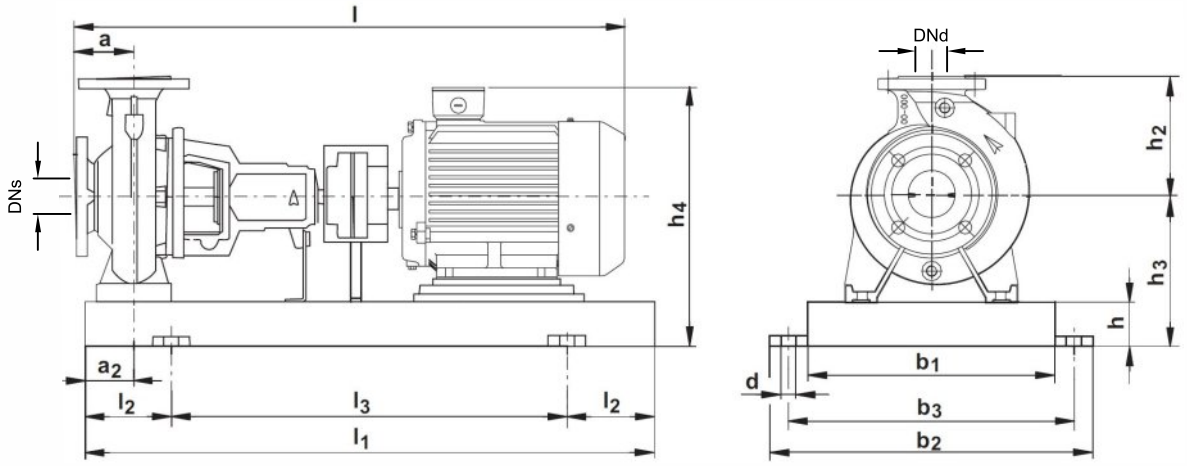
Note: All dimensions are in mm

PERFORMANCE CURVE

SNKC 100-315 (2 POLE)/150HP

Material Code :
Power Rating : 150HP





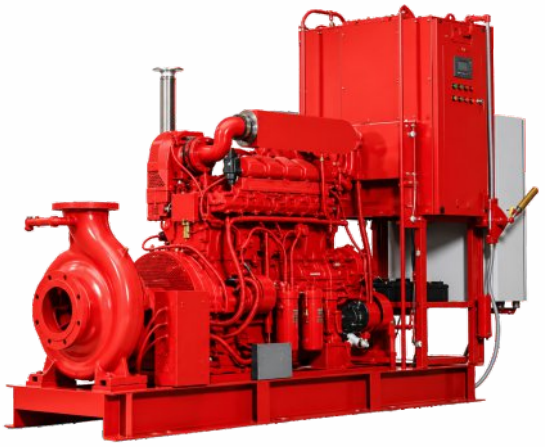
Frame Size : 315S/M

[kW/HP]	DNd	DNs	a	a_2	h	h_2	h_3	h_4	l	l_1	l_2	l_3	b_1	b_2	b_3	d
110.0/150.0	100	125	140	90	125	315	440	964	1850	1500	100	1300	670	800	750	24

Note: All dimensions are in mm

MAIN DIESEL ENGINE FIRE PUMP SELECTION

Sr. No.	FIRE DUTY POINTS			PUMP MODEL	ENGINE (H.P.)	RPM	MATERIAL CODE	(WITH & WITHOUT NFPA/TAC NORMS)
	FLOW (LPM)	FLOW (M3/HR)	HEAD (M)					
1	900	54	70	SNKC 50-250	39	2600	-	(WITH NFPA/TAC NORMS)
2	1620	97	56/60	SNKC 65-315	39	2600	9000035555	(WITH NFPA/TAC NORMS)
3	1620	97	70	SNKC 65-315	50	2600	9000033339	(WITH NFPA/TAC NORMS)
				SNKC 65-315	39	2600		(WITHOUT NFPA/TAC NORMS)
4	1620	97	80	SNKC 65-315	65	2300		(WITH NFPA/TAC NORMS)
				SNKC 65-315	50	2600		(WITHOUT NFPA/TAC NORMS)
5	1620	97	90	SNKC 65-315	65	2800		(WITH NFPA/TAC NORMS)
6	1850	111	70	SNKC 65-315	50	2600		(WITH NFPA/TAC NORMS)
7	1850	111	80	SNKC 65-315	65	2300		(WITH NFPA/TAC NORMS)
				SNKC 65-315	50	2600		(WITHOUT NFPA/TAC NORMS)
8	2280	137	50	SNKC 80-250	50	2600		(WITH NFPA/TAC NORMS)
				SNKC 80-200	39	2600		(WITHOUT NFPA/TAC NORMS)
9	2280	137	56	SNKC 80-250	50	2600		(WITH NFPA/TAC NORMS)
10	2280	137	70	SNKC 80-315	65	2300	9000031847	(WITH NFPA/TAC NORMS)
11	2280	137	88/90	SNKC 80-400	110	2300	9000035554	(WITH NFPA/TAC NORMS)
12	2280	137	110/105	SNKC 80-400	110	2300	9000035226	(WITH NFPA/TAC NORMS)
13	2400	144	120	SNKC 80-400	110	2300		(WITH NFPA/TAC NORMS)
14	2850	171	60	SNKC 100-315	65	2300		(WITH NFPA/TAC NORMS)
				SNKC 80-250	50	2600		(WITHOUT NFPA/TAC NORMS)
15	2850	171	70	SNKC 100-315	110	2300	9000035553	(WITH NFPA/TAC NORMS)
				SNKC 80-315	65	2300	9000031847	(WITHOUT NFPA/TAC NORMS)
16	2850	171	76/80/90	SNKC 100-315	110	2300	9000033635	(WITH NFPA/TAC NORMS)
17	2850	171	100	SNKC 80-400	142	2100		(WITH NFPA/TAC NORMS)
18	2850	171	120	SNKC 80-400	142	2100		(WITH NFPA/TAC NORMS)
19	4550	273	70	SNKC 125-400	126	1500		(WITH NFPA/TAC NORMS)
				SNKC 100-315	110	2300	9000033635	(WITHOUT NFPA/TAC NORMS)
20	4550	273	88/90	SNKC 125-400	165	1800		(WITH NFPA/TAC NORMS)
21	4550	273	100	SNKC 125-400	165	1800		(WITH NFPA/TAC NORMS)

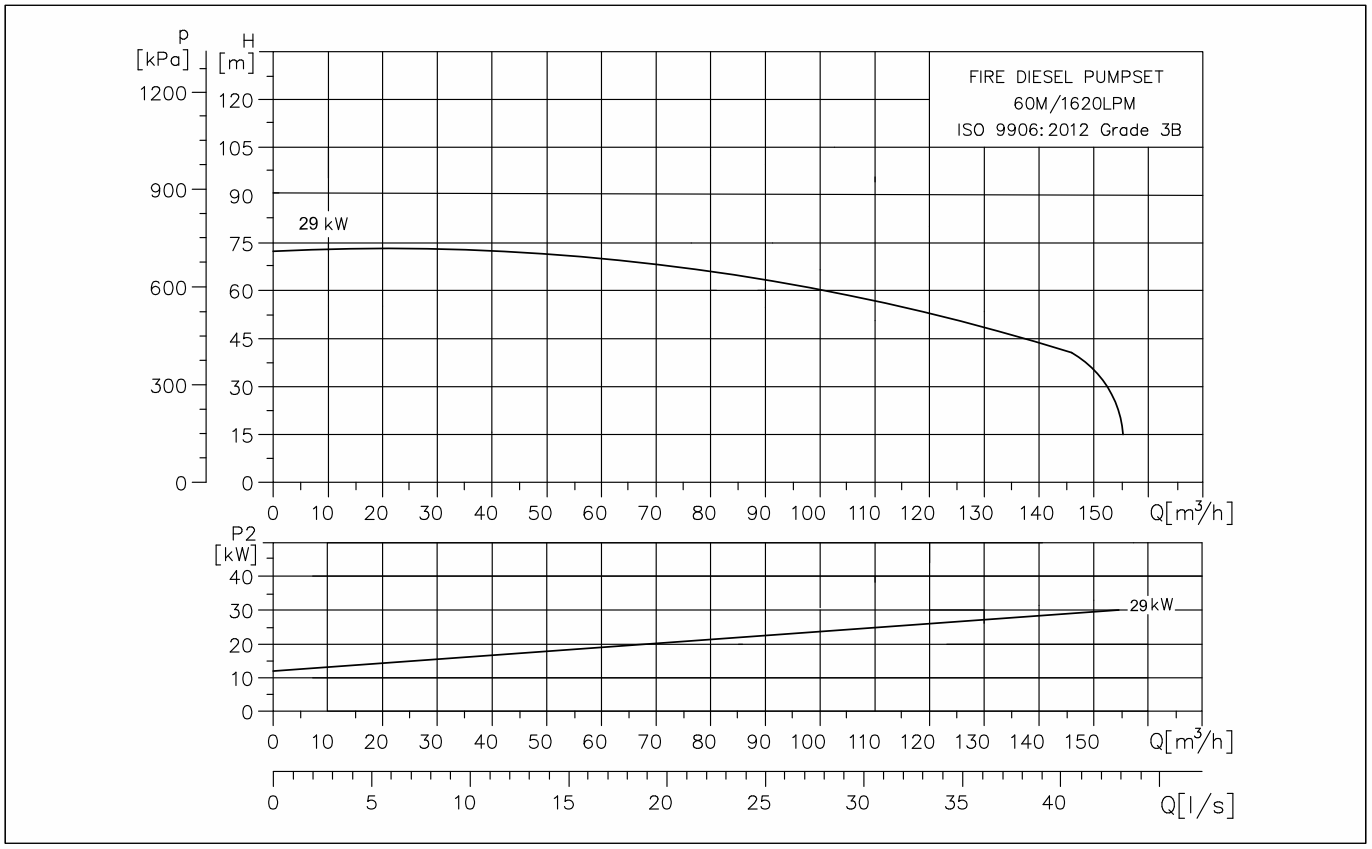


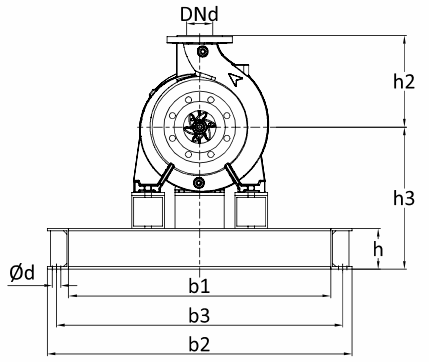
Note: All pumps are designed in accordance with NFPA 20 and TAC norms.

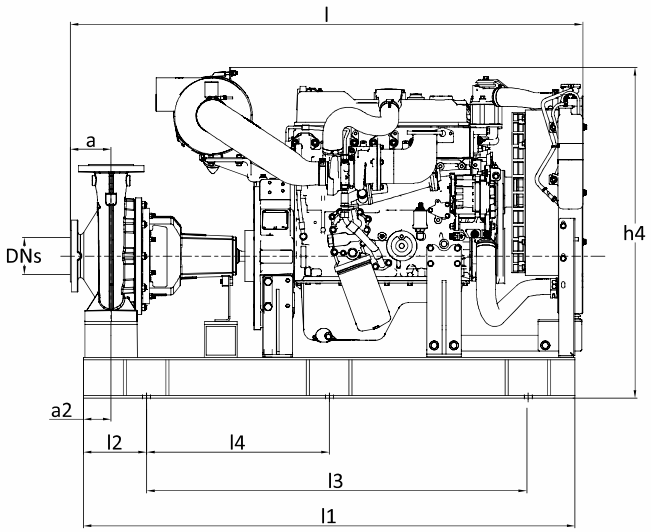
PERFORMANCE CURVE

PUMPSET FIRE DIESEL ENGINE 60M/1620LPM

Material Code : 9000035555
Duty Head : 60M
Duty Discharge : 1620LPM (97m³/h)
Power Rating : 39HP







Pump Model : SNKC 65-315
Engine Model: MAH 275 TU

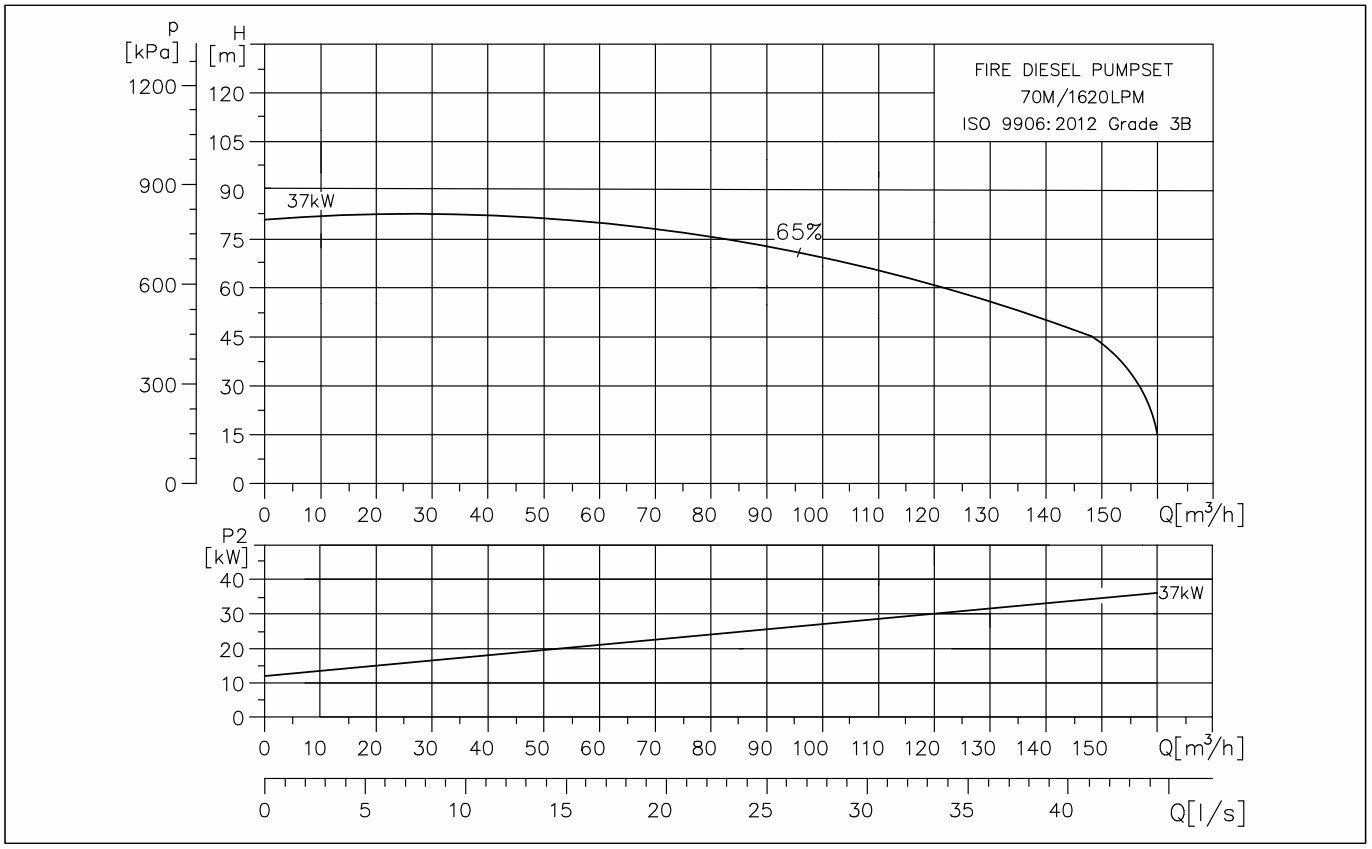
DNd	DNs	a	a_2	h	h_2	h_3	h_4	l	l_1	l_2	l_3	l_4	b_1	b_2	b_3	d
65	90	125	85	125	280	400	1023	1400	1100	100	900	450	650	780	730	20

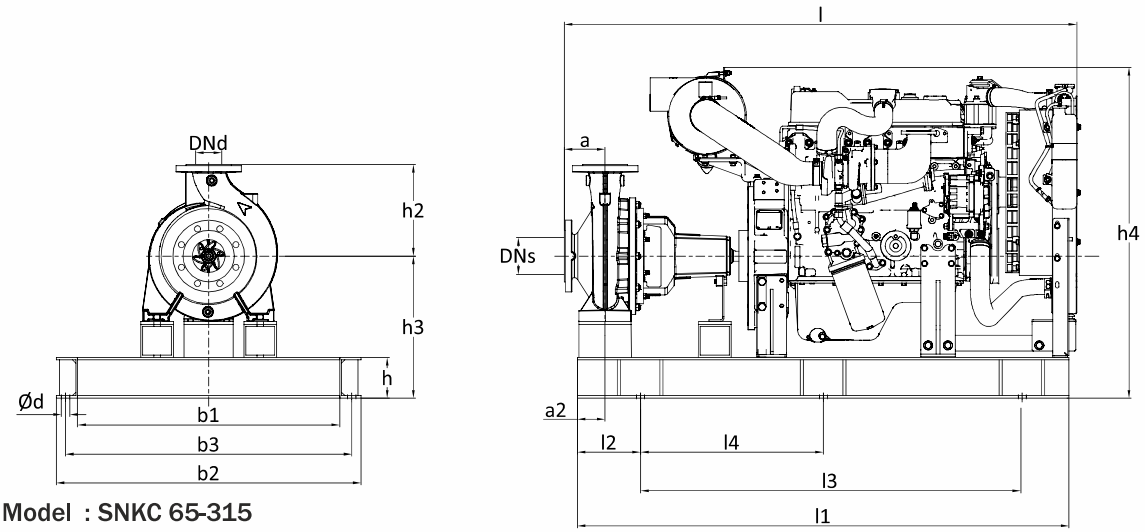
Note: All dimensions are in mm

PERFORMANCE CURVE

PUMPSET FIRE DIESEL ENGINE 70M/1620LPM

Material Code : 9000033339
Duty Head : 70M
Duty Discharge : 1620LPM (97m³/h)
Power Rating : 50HP





Pump Model : SNKC 65-315
Engine Model: MAH 585 DI

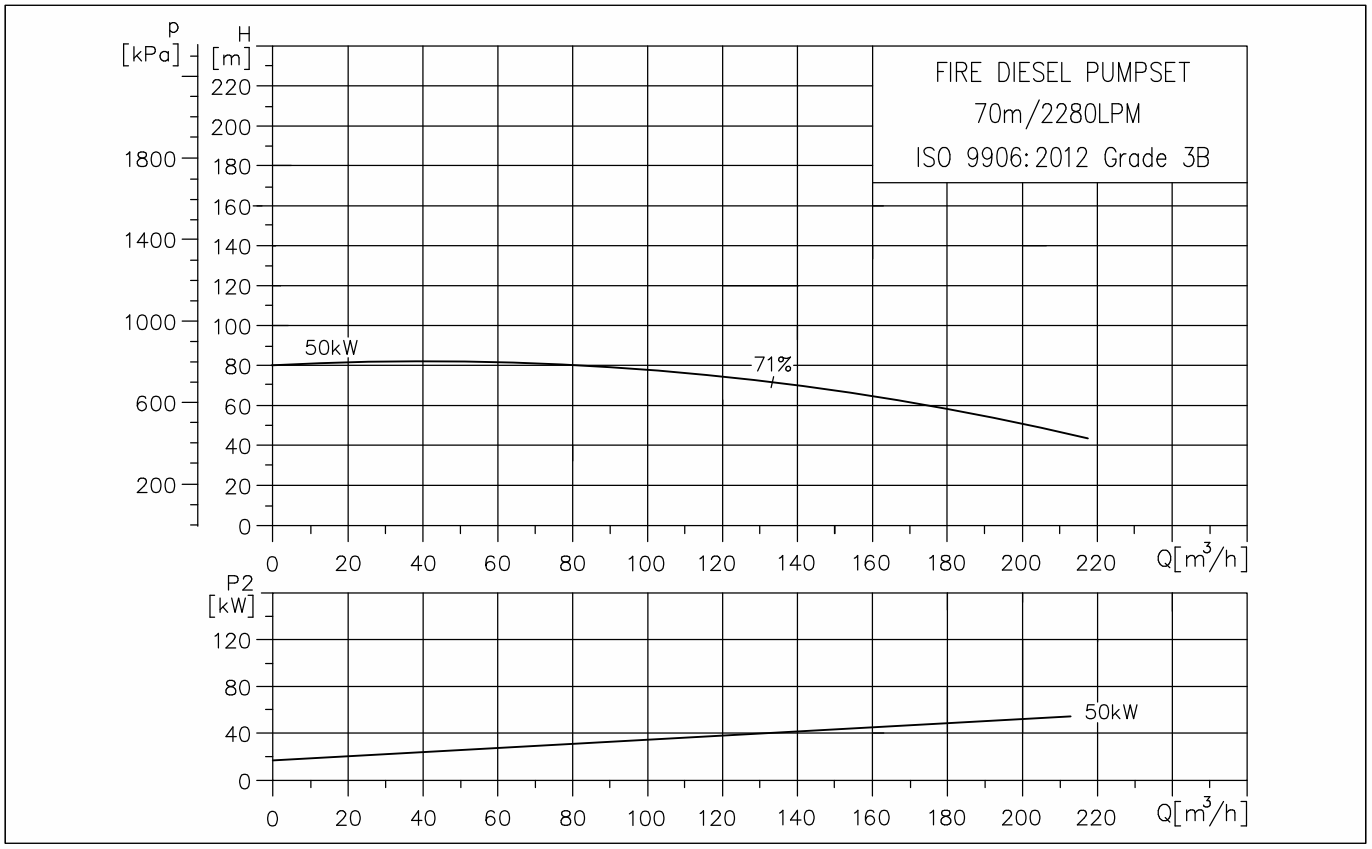
DNd	DNs	a	a_2	h	h_2	h_3	h_4	l	l_1	l_2	l_3	l_4	b_1	b_2	b_3	d
65	90	125	85	125	280	400	1027	1465	1200	100	1000	500	650	780	730	20

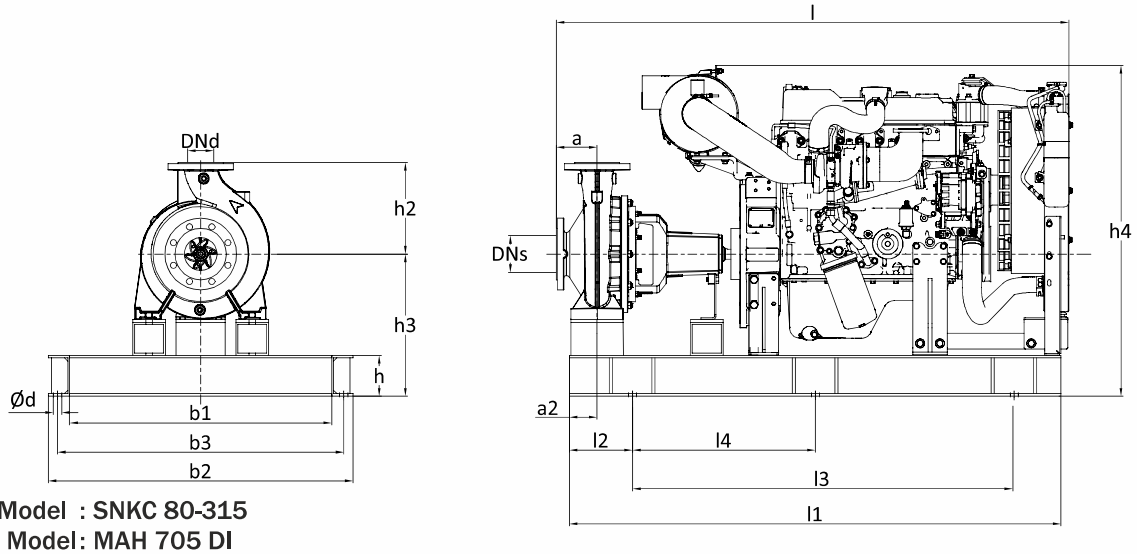
Note: All dimensions are in mm

PERFORMANCE CURVE

PUMPSET FIRE DIESEL ENGINE 70M/2280LPM

Material Code : 9000031847
Duty Head : 70M
Duty Discharge : 2280LPM (137m^3/h)
Power Rating : 65HP





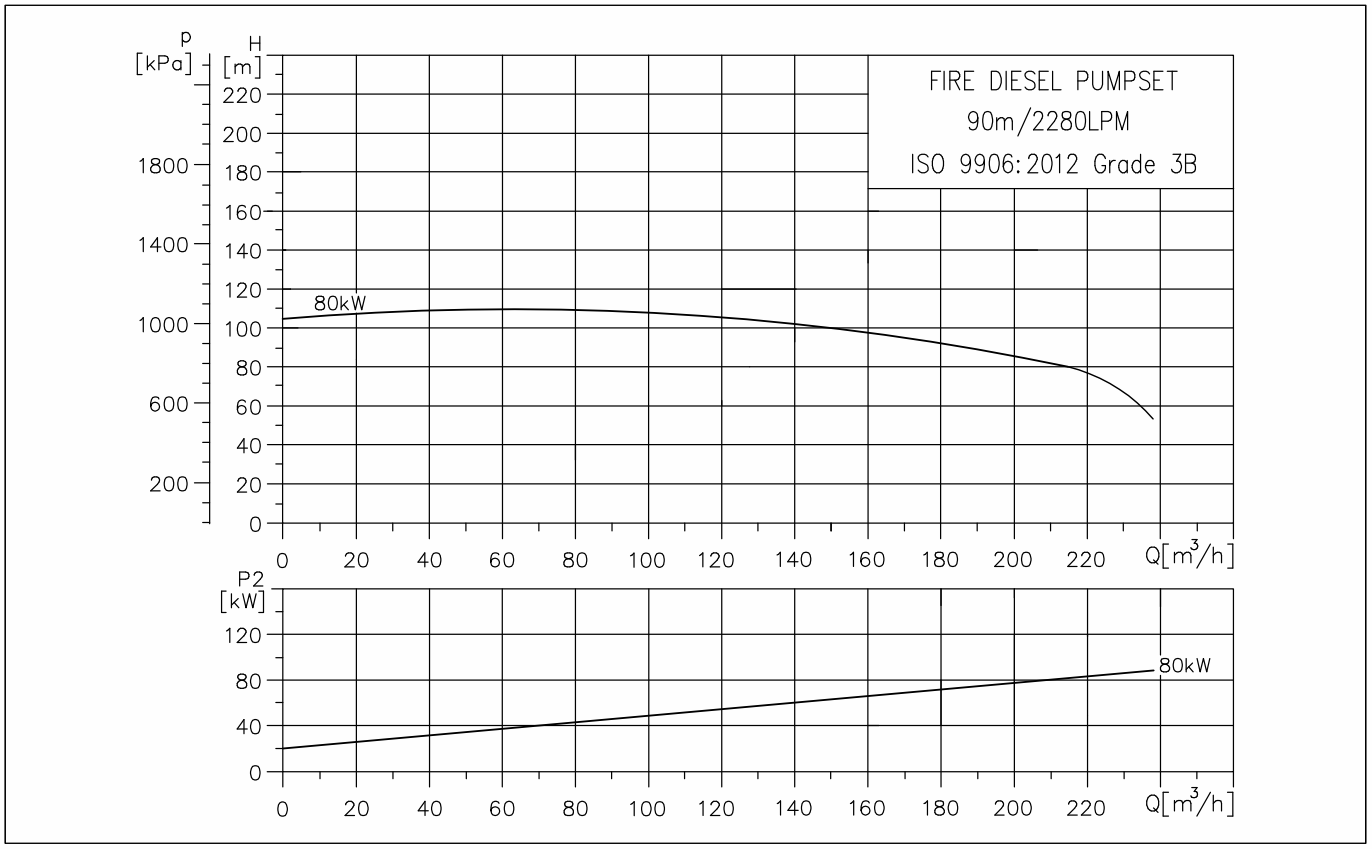
Pump Model : SNKC 80-315
Engine Model: MAH 705 DI

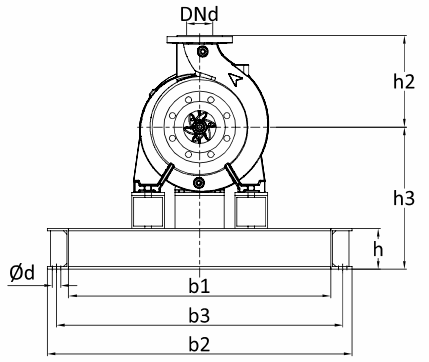
DNd	DNs	a	a_2	h	h_2	h_3	h_4	l	l_1	l_2	l_3	l_4	b_1	b_2	b_3	d
80	100	125	85	125	315	405	1225	1530	1250	125	1000	500	690	820	770	20

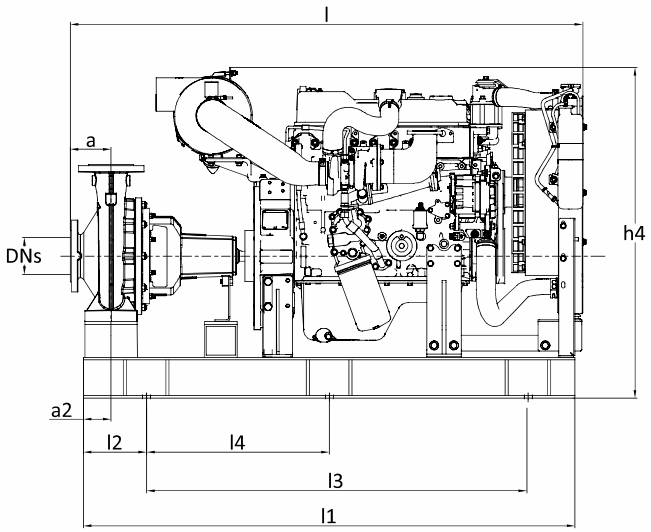
Note: All dimensions are in mm

PUMPSET FIRE DIESEL ENGINE 90M/2280LPM

Material Code : 9000035554
Duty Head : 90M
Duty Discharge : 2280LPM (137m^3/h)
Power Rating : 110HP







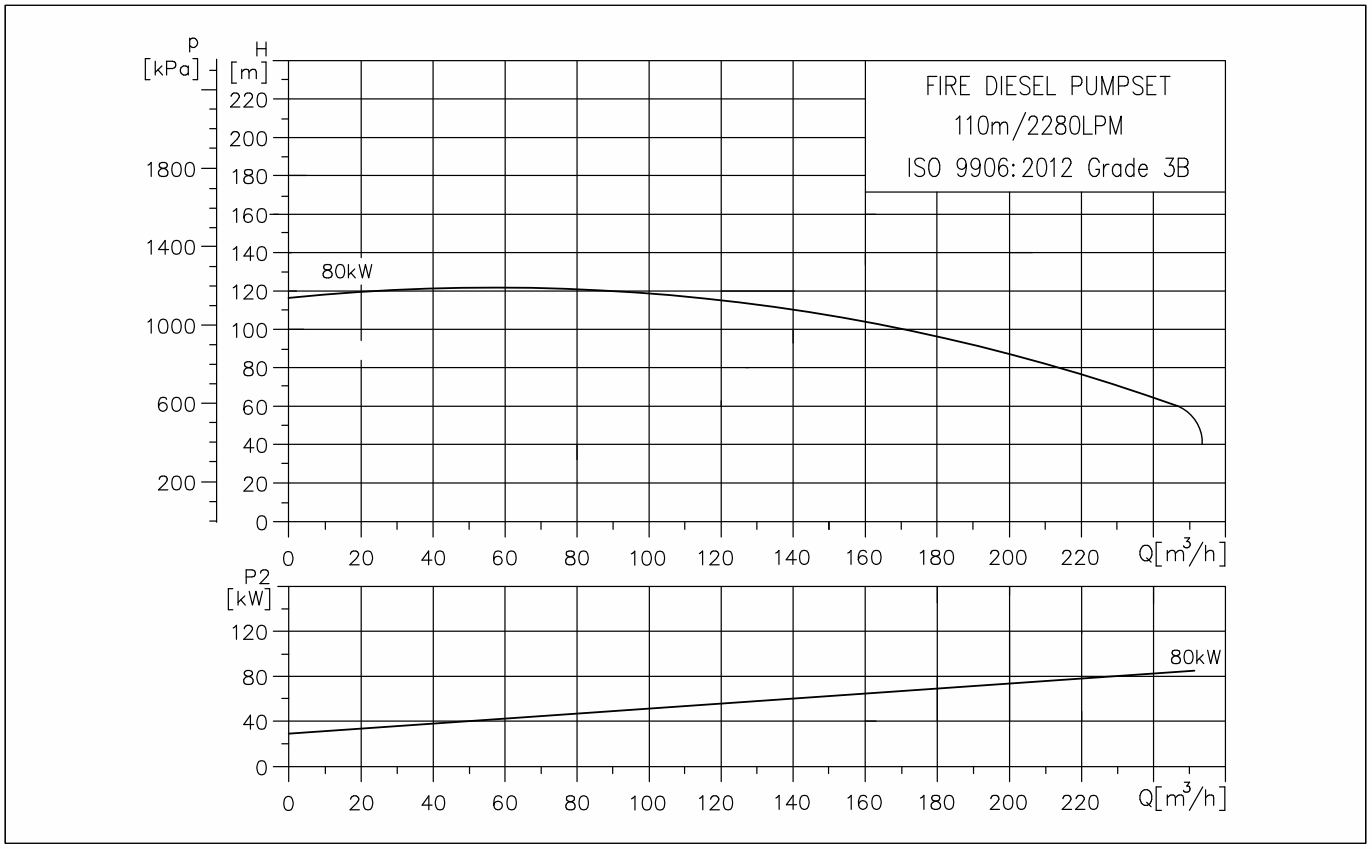
Pump Model : SNKC 80-400
Engine Model: MAH 41105 NEMF

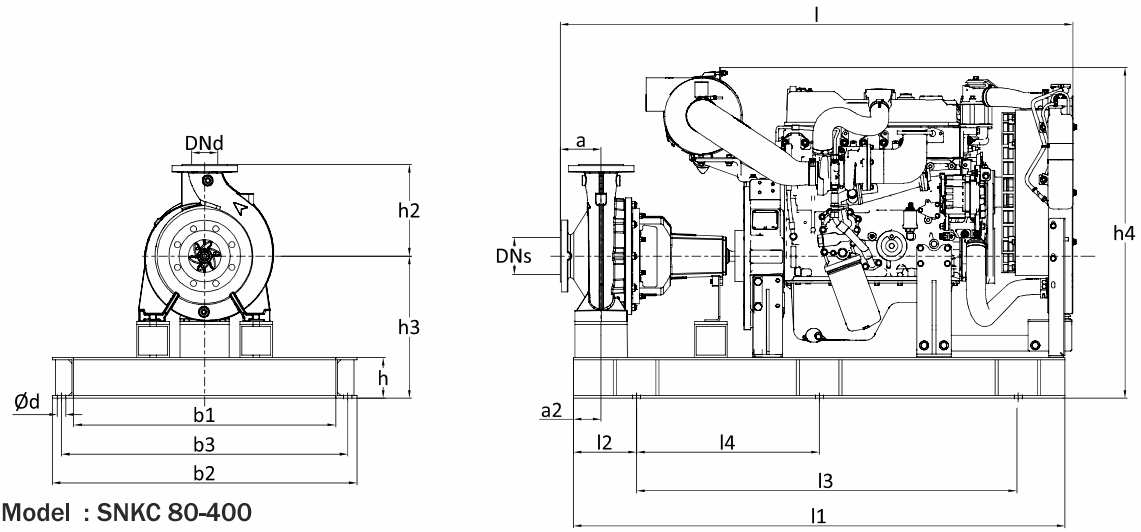
DNd	DNs	a	a_2	h	h_2	h_3	h_4	l	l_1	l_2	l_3	l_4	b_1	b_2	b_3	d
80	100	125	85	125	355	405	1115	1685	1330	165	1000	500	690	820	770	20

Note: All dimensions are in mm

PUMPSET FIRE DIESEL ENGINE 110M/2280LPM

Material Code : 9000035226
Duty Head : 110M
Duty Discharge : 2280LPM (137m^3/h)
Power Rating : 110HP





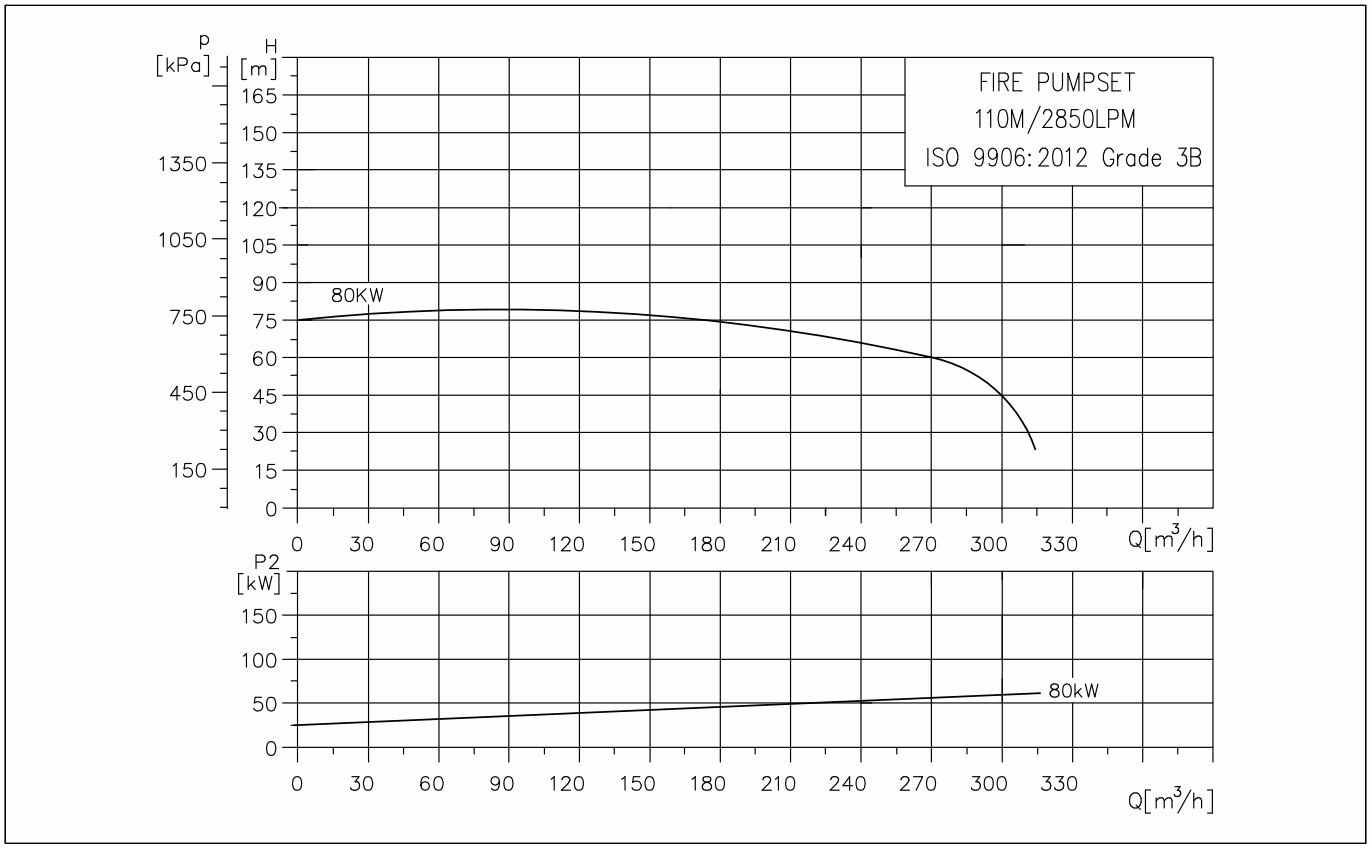
Pump Model : SNKC 80-400
Engine Model: MAH 41105 NEMF

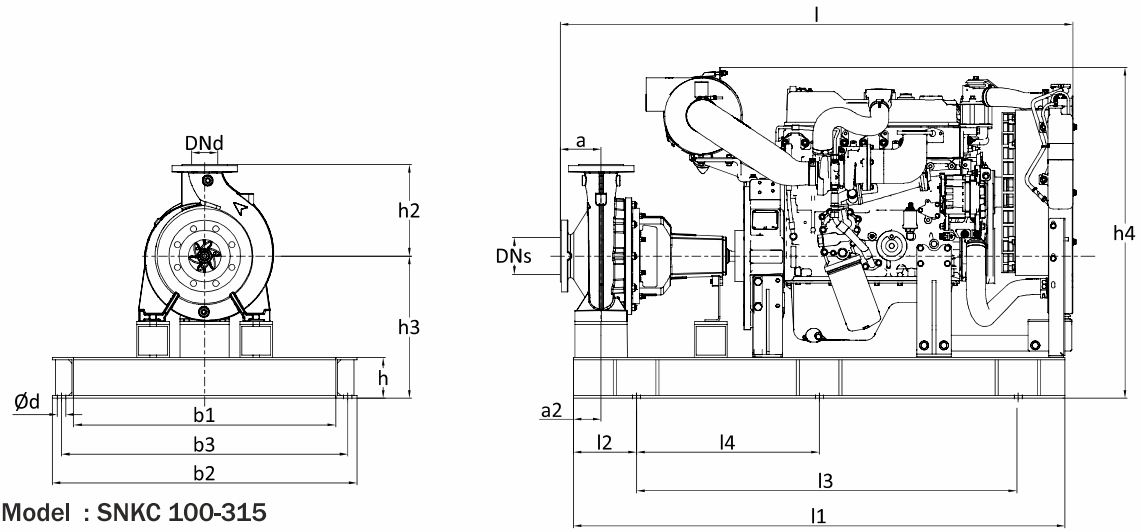
DNd	DNs	a	a_2	h	h_2	h_3	h_4	l	l_1	l_2	l_3	l_4	b_1	b_2	b_3	d
80	100	125	85	125	355	405	1115	1685	1330	165	1000	500	690	820	770	20

Note: All dimensions are in mm

PUMPSET FIRE DIESEL ENGINE 70M/2850LPM

Material Code : 9000035553
Duty Head : 70M
Duty Discharge : 2850LPM (171m^3/h)
Power Rating : 110HP





Pump Model : SNKC 100-315
Engine Model: MAH 41105 NEMF

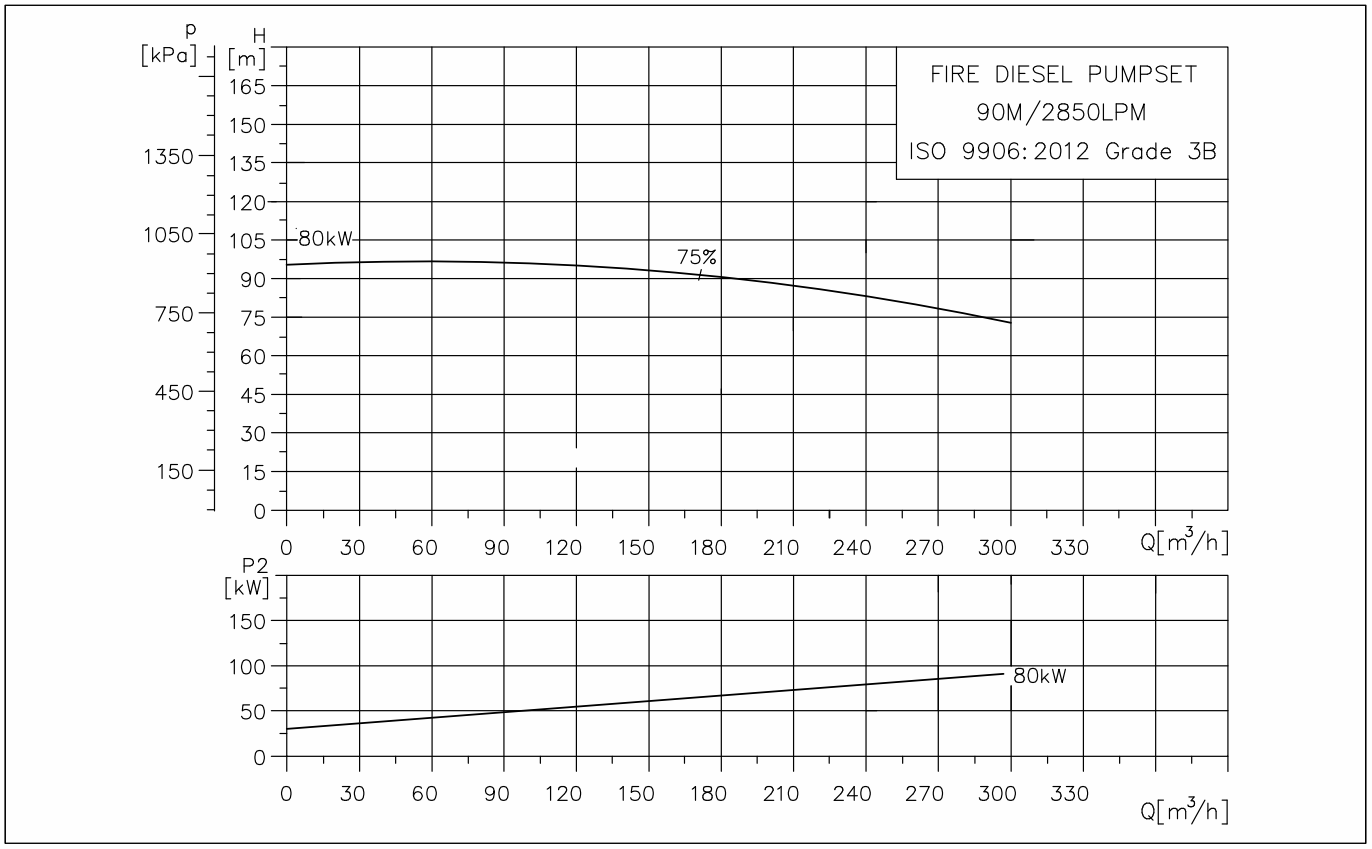
DNd	DNs	a	a_2	h	h_2	h_3	h_4	l	l_1	l_2	l_3	l_4	b_1	b_2	b_3	d
100	125	140	85	125	315	405	1115	1635	1270	135	1000	500	690	820	770	20

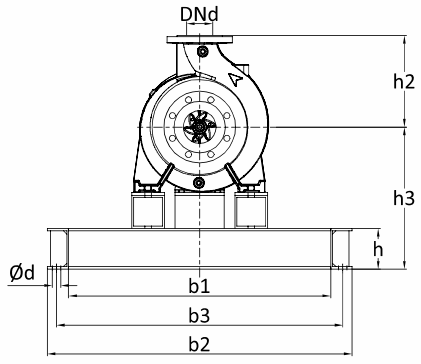
Note: All dimensions are in mm

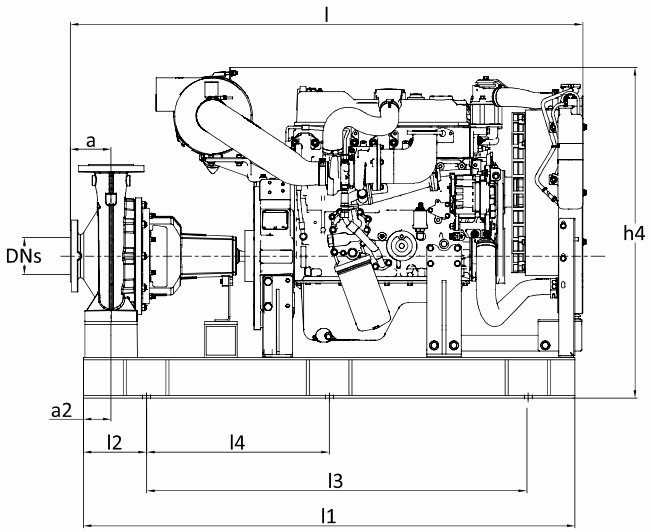
PERFORMANCE CURVE

PUMPSET FIRE DIESEL ENGINE 90M/2850LPM

Material Code : 9000033635
Duty Head : 90M
Duty Discharge : 2850LPM (171m^3/h)
Power Rating : 110HP







Pump Model : SNKC 100-315
Engine Model: MAH 41105 NEMF

DNd	DNs	a	a_2	h	h_2	h_3	h_4	l	l_1	l_2	l_3	l_4	b_1	b_2	b_3	d
100	125	140	85	125	315	405	1115	1635	1270	135	1000	500	690	820	770	20

Note: All dimensions are in mm

JOCKEY PUMP SELECTION

Sr. No.	Fire Pump Duty	Jockey Pump Duty	Head	Pump Type	Pump Model	Motor
	Flow (M3/Hr)	Flow (LPM)	M			HP
1	97	180	55/60	VERTICAL INLINE	SCR 10-8	4
2	97	180	70	VERTICAL INLINE	SCR 10-10	5
3	108	180	60	VERTICAL INLINE	SCR 10-8	4
4	108	180	70	VERTICAL INLINE	SCR 10-10	5
5	137	228	60	VERTICAL INLINE	SCR 15-5	5
6	137	228	70	VERTICAL INLINE	SCR 15-6	7.5
7	137	228	88	VERTICAL INLINE	SCR 15-7	7.5
8	137	228	110/105	VERTICAL INLINE	SCR 15-9	10
9	137	228	120	VERTICAL INLINE	SCR 15-10	15
10	144	240	60	VERTICAL INLINE	SCR 15-5	5
11	144	240	70	VERTICAL INLINE	SCR 15-6	7.5
12	144	240	90	VERTICAL INLINE	SCR 15-8	10
13	144	240	100	VERTICAL INLINE	SCR 15-9	10
14	171	285	70	VERTICAL INLINE	SCR 15-7	7.5
15	171	285	90	VERTICAL INLINE	SCR 15-8	10
16	171	285	100	VERTICAL INLINE	SCR 15-9	10
17	171	285	110	VERTICAL INLINE	SCR 15-10	15
18	192	320	100	VERTICAL INLINE	SCR 20-8	15
19	192	320	120	VERTICAL INLINE	SCR 20-10	15
20	273	455	70	VERTICAL INLINE	SCR 32-5-2	15
21	273	455	90	VERTICAL INLINE	SCR 32-6	15
22	273	455	100	VERTICAL INLINE	SCR 32-7-2	20



FIRE PUMPS CONTROLLERS



In emergency situations, a reliable fire pump controller is essential. Shakti Pumps offers fire pump controllers for electric, diesel, and jockey pumps. Shakti Fire Pump Controllers are designed to comply with the NFPA 20 standards for the installation of stationary fire pumps for fire protection.

Each controller is factory-assembled, wired, and tested to ensure reliable operation and maintain the required water pressure in fire protection sprinkler systems. A common enclosure can be provided for electric motor-driven pumps (Hydrant, Sprinkler & Curtain), diesel engine-driven pumps, jockey pumps, and terrace booster pumps, as per customer requirements.



FIRE PUMPING SYSTEM



Shakti Pumps offers packaged fire protection pumping solutions for industrial, commercial, and residential applications, designed to meet customer-specific requirements while complying with safety standards.

These systems are supplied on a common base for plug-and-play installation and can be configured with electric or diesel-driven fire pumps, control systems, and piping. Systems are available in skid-mounted execution, with or without an enclosure, to suit application requirements.



CONTAINERISED FIRE PUMPSET





Shakti Pumps offers containerised fire pump systems that are factory-designed, assembled, wired, tested, and ready for installation. Each package integrates fire pumps, drivers, control systems, and piping within a single container, providing a complete and reliable fire protection solution.

With only water and power connections required at site, the system becomes operational quickly, minimising installation time, reducing labour costs, and enabling rapid commissioning.





24 Sep.2026/R12 | Sep./2026-27/L2/ | VC: | SAP No.:2000018260

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SHAKTI PUMPS (INDIA) LIMITED

CIN : L29120MP1995PLC009327 I **Web: www.shaktipumps.com** I **E-mail: info@shaktipumps.com, sales@shaktipumps.com**

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