

Intelligent Drivesystems, Worldwide Services



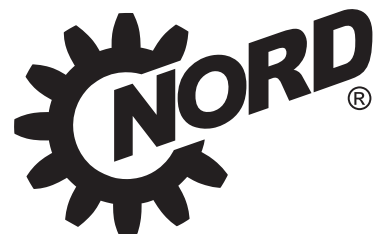
50 + 60 Hz
METRIC + IMPERIAL

EN

PRODUCT INFORMATION
NORDBLOC.1 Helical-Bevel Gear Units

TI60-0007

IE3



DRIVESYSTEMS

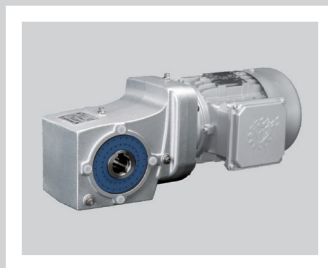
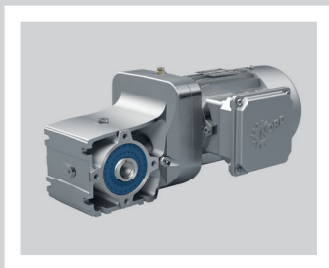
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DRIVESYSTEMS

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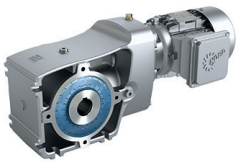


Headquarters and Technology Center

- in Bargteheide, close to Hamburg

Mechanical products

Gear units



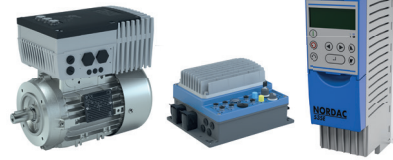
Electrical products

Motors



Electronic products

Inverters, motor starters and distribution systems



Innovative drive solutions

- for more than 100 branches of industry



Gear unit production



Motor production



Inverter production

7 state-of-the-art production plants

- produce gear units, motors and inverters for complete drive solutions from a single source



The above map image is for information purpose and may not have been prepared or be suitable for legal purpose and we do not own any responsibility for correctness or authenticity of the same.

Subsidiaries and sales partners in 98 countries on 5 continents

- provide local inventory
- assembly and production facilities
- technical support
- industry-leading customer service

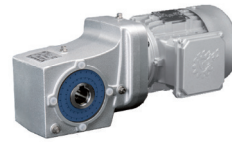
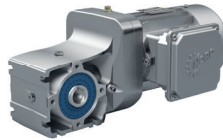


More than 4.000 employees throughout the world

- create customer-oriented drive solutions

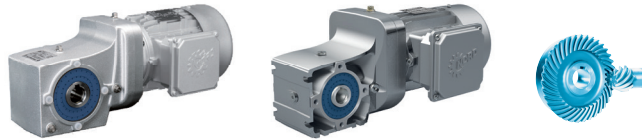
50 Hz metric


0,12 kW
0,18 kW
0,25 kW



P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	f_B	i_{ges}	F_R	F_A [N]	Type	kg
0,12	29	39,9	0,9	47,67	3000	5600	SK 920072.1 - 63 SP/4 SK 930072.1 - 63 SP/4	7,2
	33	34,8	1,1	41,56	3000	5600		
	37	30,7	1,2	36,67	3000	5600		
	43	26,4	1,4	31,57	3000	5600	SK 920072.1 - 63 S/4 SK 930072.1 - 63 S/4	
	50	23,0	1,7	27,52	3000	5600		
	56	20,3	2,2	24,29	3000	5600		
	67	17,2	2,6	20,53	3000	5600		
	74	15,5	3,2	18,52	3000	5600		
	86	13,4	3,7	16,00	3000	5600		
	101	11,3	4,4	13,53	3000	5600		
111	10,3	4,8	12,33	3000	5600			
0,18	38	45,5	0,8	36,67	3000	5600	SK 920072.1 - 63 LP/4 SK 930072.1 - 63 LP/4	8,1
	44	39,2	1,0	31,57	3000	5600		
	50	34,2	1,2	27,52	3000	5600	SK 920072.1 - 63 L/4 SK 930072.1 - 63 L/4	
	57	30,1	1,5	24,29	3000	5600		
	67	25,5	1,8	20,53	3000	5600		
	75	23,0	2,2	18,52	3000	5600		
	87	19,9	2,5	16,00	3000	5600		
	102	16,8	3,0	13,53	3000	5600		
	112	15,3	3,3	12,33	3000	5600		
	133	12,9	3,9	10,43	3000	5600		
0,25	51	46,4	0,9	27,52	3000	5600	SK 920072.1 - 71 SP/4 SK 930072.1 - 71 SP/4	9,5
	58	41,0	1,1	24,29	3000	5600		
	69	34,6	1,3	20,53	3000	5600	SK 920072.1 - 71 S/4 SK 930072.1 - 71 S/4	
	76	31,2	1,6	18,52	3000	5600		
	88	27,0	1,9	16,00	3000	5600		
	105	22,8	2,2	13,53	3000	5600		
	115	20,8	2,4	12,33	3000	5600		
	136	17,6	2,8	10,43	3000	5600		
	158	15,1	3,3	8,97	3000	5600		
	187	12,8	3,9	7,58	3000	5600		
	212	11,2	4,4	6,67	3000	5600		
	221	10,8	4,6	6,40	3000	5600		
	251	9,5	4,7	5,64	3000	5600		
	274	8,7	4,3	5,17	3000	5600		

Performance data based up on premium efficiency or IE3 motors (Type P). Data will vary slightly when standard efficiency or IE1 motors are utilized. The purchaser is responsible for following regional motor efficiency requirements.

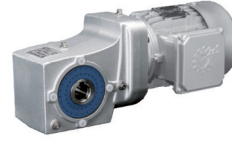
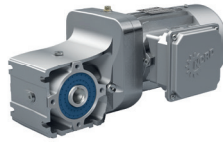






P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	f_B	i_{ges}	F_R	F_A [N]	Type	
0,37	76	46,6	1,1	18,52	3000	5600	SK 920072.1 - 71 LP/4	10,6
	88	40,2	1,2	16,00	3000	5600	SK 930072.1 - 71 LP/4	
	104	34,0	1,5	13,53	3000	5600		
	114	31,0	1,6	12,33	3000	5600	SK 920072.1 - 71 L/4	
	135	26,2	1,9	10,43	3000	5600	SK 930072.1 - 71 L/4	
	157	22,6	2,2	8,97	3000	5600		
	185	19,1	2,6	7,58	3000	5600		
	211	16,8	3,0	6,67	3000	5600		
	219	16,1	3,1	6,40	3000	5600		
	249	14,2	3,2	5,64	3000	5600		
	272	13,0	2,9	5,17	3000	5600		
	312	11,3	3,5	4,50	3000	5600		
	354	10,0	4,0	3,97	3000	5600		
	418	8,4	4,7	3,36	3000	5600		
0,55	89	59,2	0,8	16,00	3000	5600	SK 920072.1 - 80 SP/4	13,1
	105	50,0	1,0	13,53	3000	5600	SK 930072.1 - 80 SP/4	
	115	45,6	1,1	12,33	3000	5600		
	136	38,6	1,3	10,43	3000	5600	SK 920072.1 - 80 S/4	
	158	33,2	1,5	8,97	3000	5600	SK 930072.1 - 80 S/4	
	187	28,0	1,8	7,58	3000	5600		
	213	24,7	2,0	6,67	3000	5600		
	222	23,7	2,1	6,40	3000	5600		
	252	20,8	2,2	5,64	3000	5600		
	275	19,1	2,0	5,17	3000	5600		
	315	16,7	2,4	4,50	3000	5600		
	357	14,7	2,7	3,97	3000	5600		
	423	12,4	3,2	3,36	3000	5600		
	469	11,2	3,6	3,03	3000	5600		
0,75	115	62,4	0,8	12,33	3000	5600	SK 920072.1 - 80 LP/4	13,6
	136	52,8	0,9	10,43	3000	5600	SK 930072.1 - 80 LP/4	
	158	45,4	1,1	8,97	3000	5600		
	187	38,3	1,3	7,58	3000	5600	SK 920072.1 - 80 L/4	
	212	33,7	1,5	6,67	3000	5600	SK 930072.1 - 80 L/4	
	221	32,4	1,5	6,40	3000	5600		
	251	28,5	1,6	5,64	3000	5600		
	274	26,2	1,4	5,17	3000	5600		
	314	22,8	1,8	4,50	3000	5600		
	356	20,1	2,0	3,97	3000	5600		
	421	17,0	2,4	3,36	3000	5600		
	467	15,3	2,6	3,03	3000	5600		

Performance data based up on premium efficiency or IE3 motors (Type P). Data will vary slightly when standard efficiency or IE1 motors are utilized. The purchaser is responsible for following regional motor efficiency requirements.


50 Hz metric

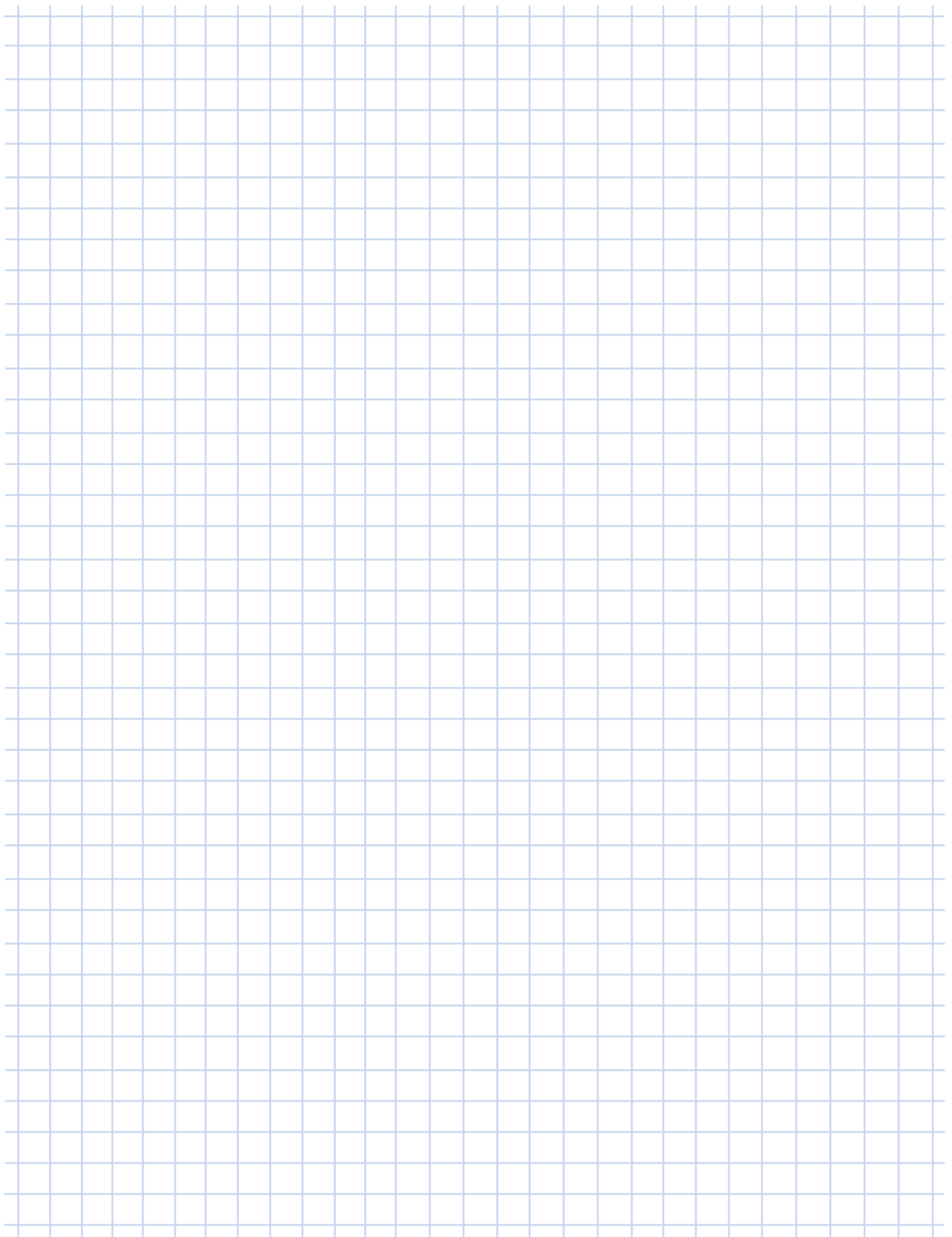
SK 920072.1 SK 930072.1

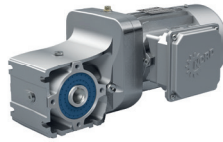


	i_{ges}	n_2 $n_1 =$ 1400min^{-1} [min^{-1}]	M_{2max} $f_B = 1$ [Nm]	W			IEC							
				P_{1max}		$f_B \geq 1$ $n_1 =$ 700min^{-1} [kW]	$f_B \Rightarrow 1-2$							
				$n_1 =$ 1400min^{-1} [kW]	$n_1 =$ 930min^{-1} [kW]		63	71	80					
SK 920072.1	47,67	29	37,5	0,12	0,077	0,058	*	*	*					
SK 930072.1	41,56	34	37,5	0,13	0,088	0,066	*	*	*					
	36,67	38	37,5	0,15	0,1	0,075	*	*	*					
	31,57	44	37,5	0,17	0,12	0,087	*	*	*					
	27,52	51	40	0,21	0,14	0,11		*	*					
W + IEC	24,29	58	45	0,27	0,18	0,14		*	*					
	20,53	68	45	0,32	0,21	0,16		*	*					
\Rightarrow 	18,52	76	50	0,4	0,26	0,2			*					
	16,00	88	50	0,46	0,3	0,23			*					
	13,53	103	50	0,54	0,36	0,27			*					
	12,33	114	50	0,59	0,39	0,3			*					
	10,43	134	50	0,7	0,47	0,35			*					
W + NEMA	8,97	156	50	0,75	0,54	0,41								
	7,58	185	50	0,75	0,64	0,48								
\Rightarrow 	6,67	210	50	0,75	0,73	0,55								
	6,40	219	50	0,75	0,75	0,57								
	5,64	248	45	0,75	0,75	0,59								
	5,17	271	37,5	0,75	0,71	0,53								
	4,50	311	40	0,75	0,75	0,65								
	3,97	352	40	0,75	0,75	0,74								
	3,36	417	40	0,75	0,75	0,75								
	3,03	463	40	0,75	0,75	0,75								

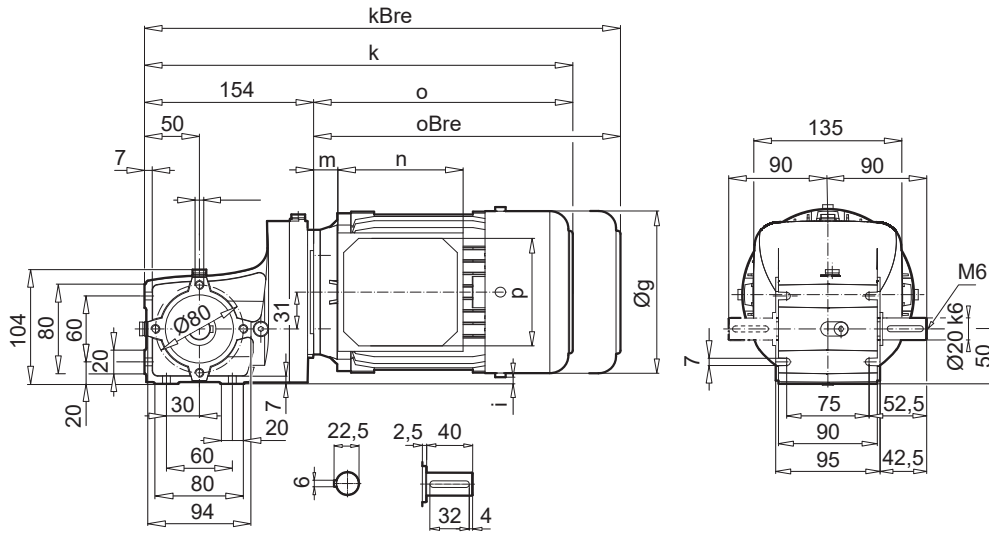
* Caution, do not exceed the maximum drive power P_{1max} according to the Type W column

	W	IEC 63	IEC 71	IEC 80
SK 920072.1 SK 930072.1	1,5	1	1	1

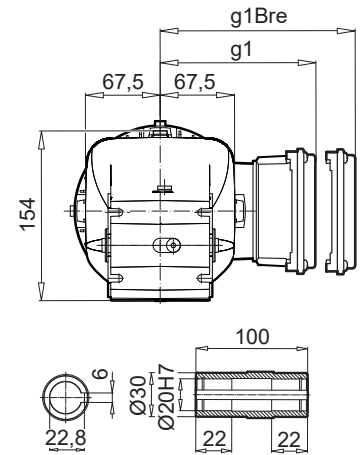




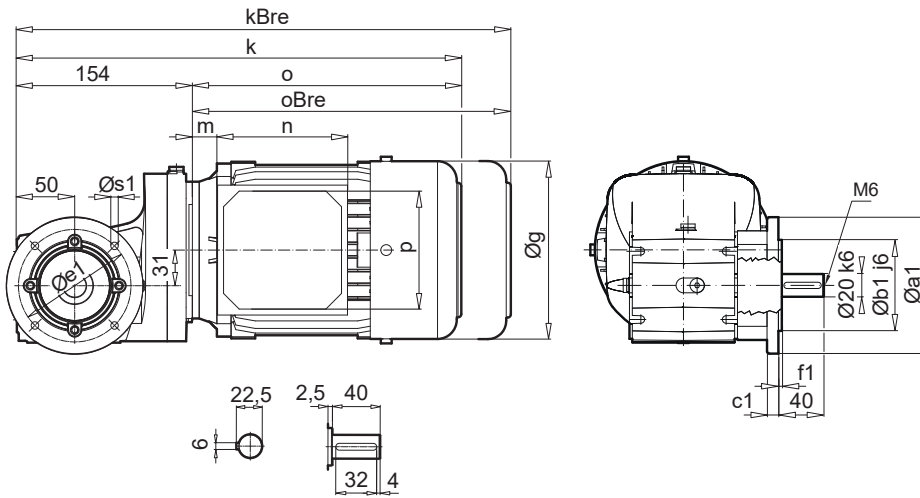
SK 920072.1 V



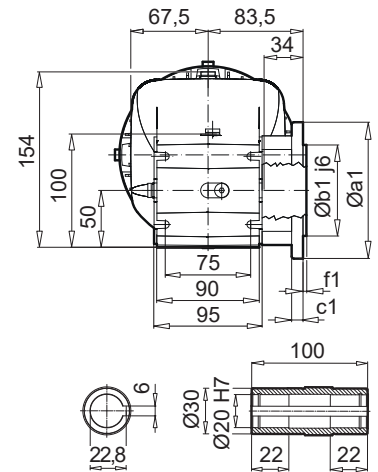
SK 920072.1 A



SK 920072.1 VF



SK 920072.1 AF



a1	b1	c1	e1	f1	s1
120	80	10	100	3,0	7
140	95	10	115	3,0	9

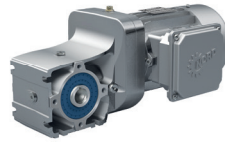
IE3	63 SP/LP	71 S/L	80 SP/LP	90 SP			
g	130	145	165	184			
g1 / g1Bre	115 / 123	124 / 132	142 / 142	147 / 147			
k / kBre	346 / 402	368 / 426	390 / 454	430 / 505			
o / oBre	192 / 248	214 / 272	236 / 300	276 / 351			
m / mBre	12 / 18	20 / 26	22 / 26	26 / 29			
n / nBre	100 / 134	100 / 134	114 / 153	114 / 153			
p / pBre	100 / 89	100 / 89	114 / 108	114 / 108			
i	16	8,5	-2	-6			



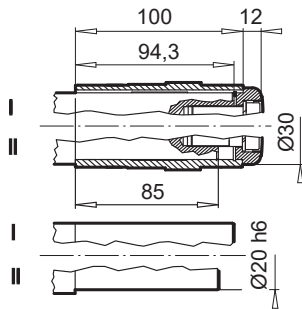
W ⇨ 10



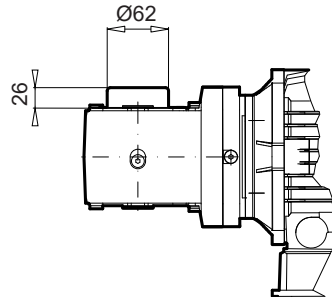
IEC ⇨ 11



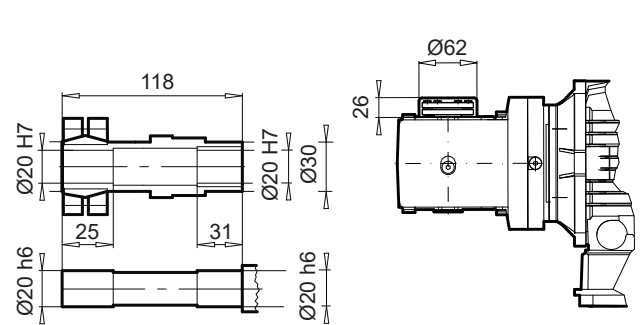
SK 920072.1 A (AF)B



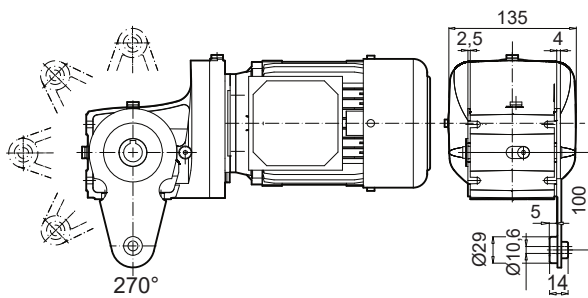
SK 920072.1 A (AF)BH

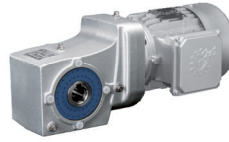


SK 920072.1 A (AF)SH

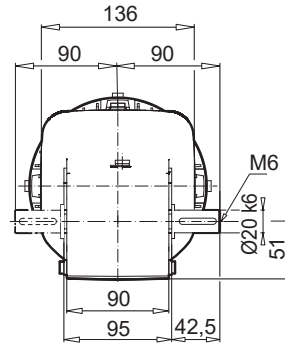
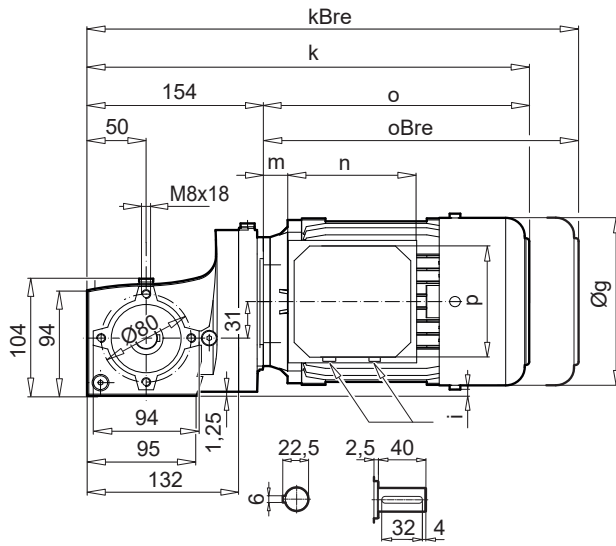


SK 920072.1 A(V)D

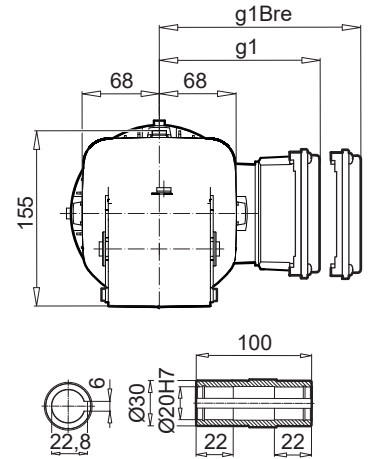




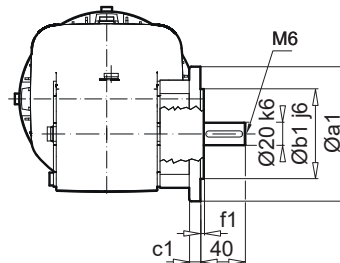
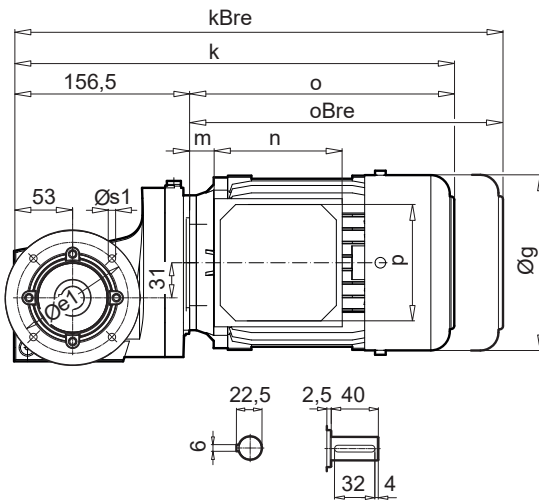
SK 930072.1 V



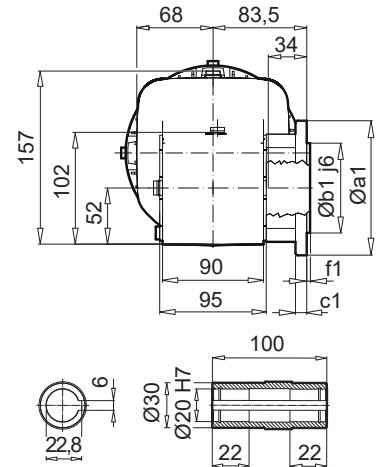
SK 930072.1 A



SK 930072.1VF



SK 930072.1 AF



a1	b1	c1	e1	f1	s1
120	80	10	100	3,0	7
140	95	10	115	3,0	9

IE3	63 SP/LP	71 SP/LP	80 SP/LP	90 SP			
g	130	145	165	184			
g1 / g1Bre	115 / 123	124 / 132	142 / 142	148 / 148			
k / kBre	349 / 405	371 / 429	393 / 457	433 / 508			
o / oBre	192 / 248	214 / 272	236 / 300	276 / 351			
m / mBre	12 / 18	20 / 26	22 / 26	26 / 29			
n / nBre	100 / 134	100 / 134	114 / 153	114 / 153			
p / pBre	100 / 89	100 / 89	114 / 108	114 / 108			
i	18,5	11	1,5	- 6			



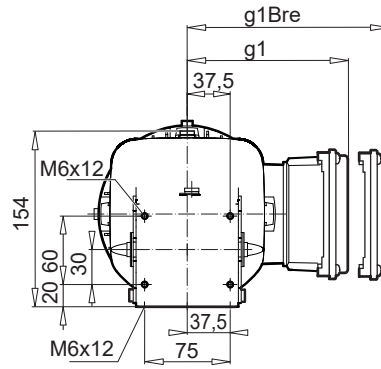
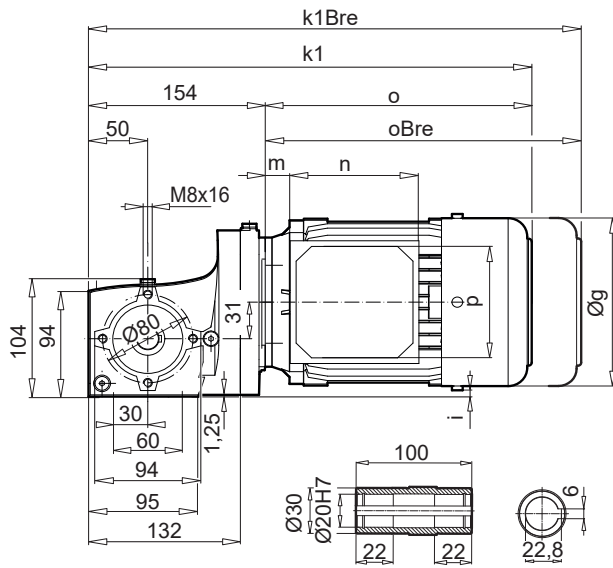
W ⇒ 10



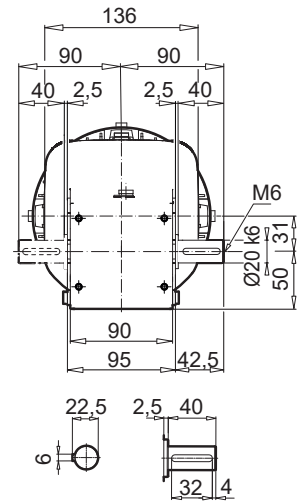
IEC ⇒ 11



SK 930072.1 AX



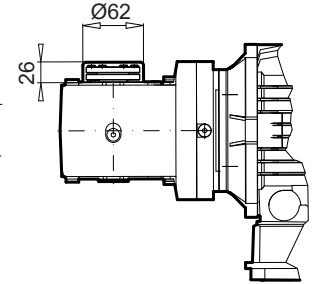
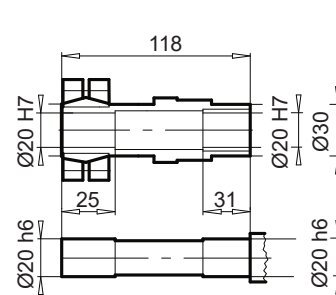
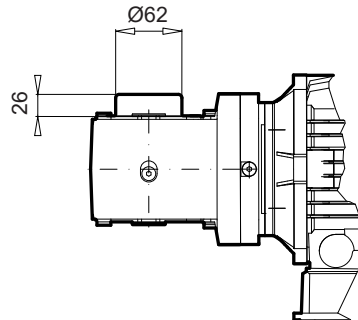
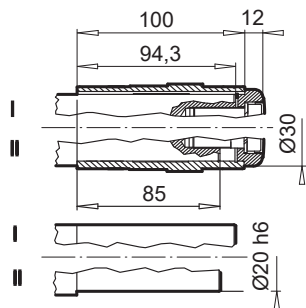
SK 930072.1 VX



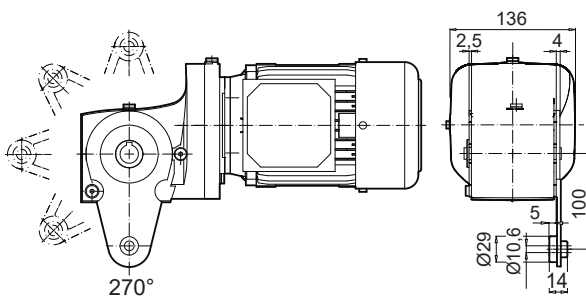
SK 930072.1 A (AF, AX)

SK 930072.1 A (AF, AX)BH

SK 930072.1 A (AF, AX)SH



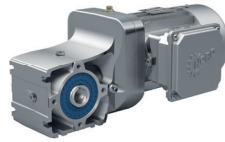
SK 930072.1 A(V)D



IE3	63 SP/LP	71 SP/LP	80 SP/LP	90 SP			
g	130	145	165	184			
g1 / g1Bre	115 / 123	124 / 132	142 / 142	148 / 148			
k1 / k1Bre	346 / 402	368 / 426	390 / 454	430 / 505			
o / oBre	192 / 248	214 / 272	236 / 300	276 / 351			
m / mBre	12 / 18	20 / 26	22 / 26	26 / 29			
n / nBre	100 / 134	100 / 134	114 / 153	114 / 153			
p / pBre	100 / 89	100 / 89	114 / 108	114 / 108			
i	16,0	8,8	- 0,6	- 10,7			

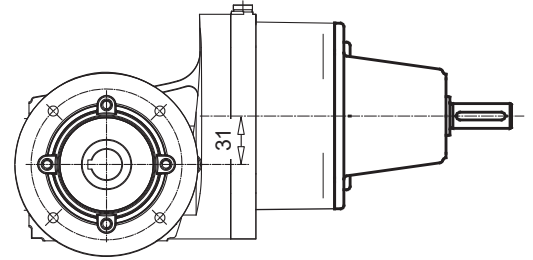
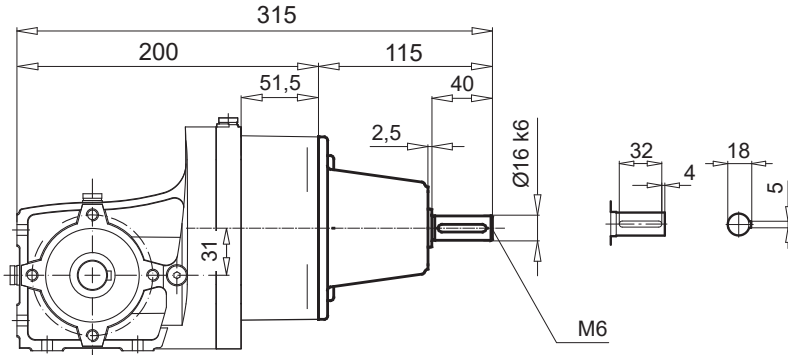
W ⇨

IEC ⇨



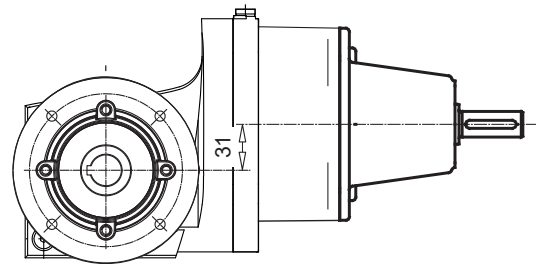
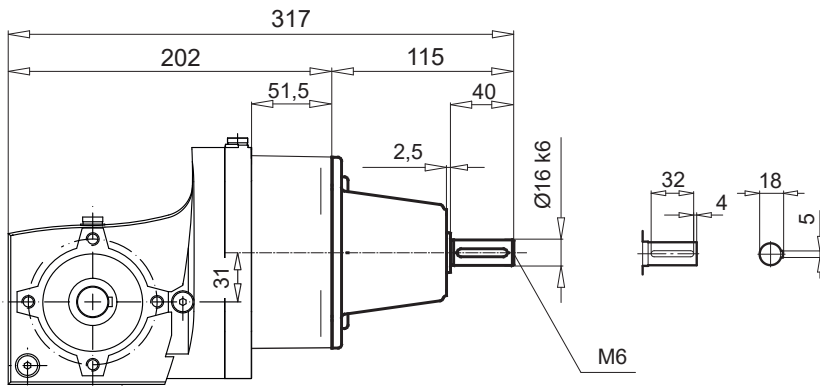
SK 920072.1 V (A) - W

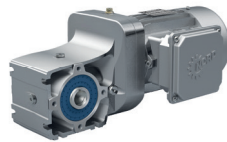
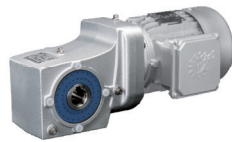
SK 920072.1 VF (AF) - W



SK 930072.1 V (A) - W

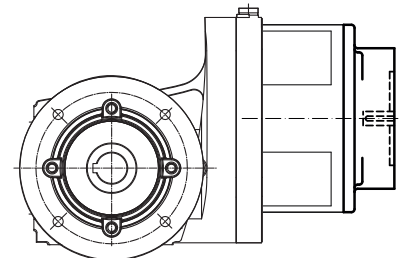
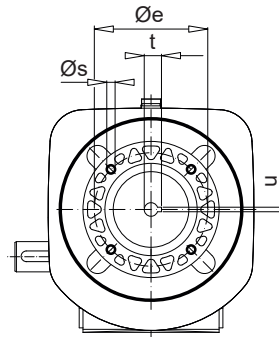
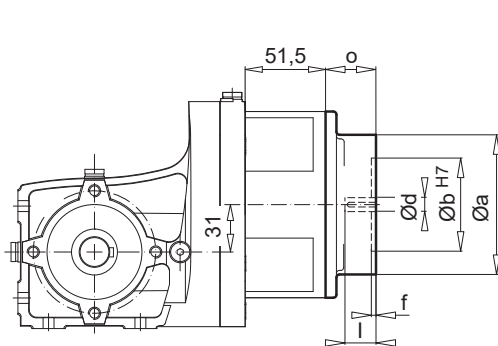
SK 930072.1 VF (AF) - W





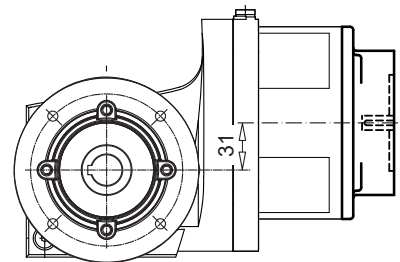
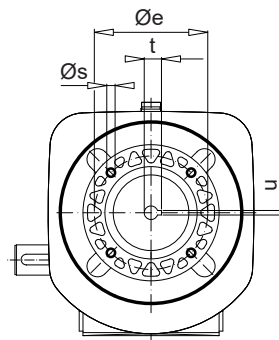
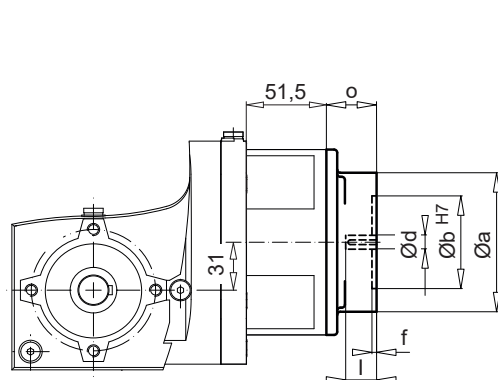
SK 920072.1 V (A) - IEC 56 ... 80

SK 920072.1 VF (AF) - IEC 56 ... 80



SK 930072.1 V (A) - IEC 56 ... 80

SK 930072.1 VF (AF) - IEC 56 ... 80

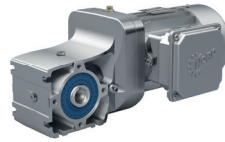


IEC	a	b	e	f	s	o	d	l	t	u
IEC 56 - C105	105	70	85	3	7	33	9	20	11,4	3
IEC 56 - A120	90	60	75	3	6	33				
IEC 63 - C90 *	90	60	75	3	6	33				
IEC 63 - C120	120	80	100	3,5	7	33	11	23	12,8	4
IEC 63 - A140	140	95	115	3,5	9	33				
IEC 71 - C105 *	105	70	85	3	7	33				
IEC 71 - C140	140	95	115	3,5	9	33	14	30	16,3	5
IEC 71 - A160	160	110	130	4	9	33				
IEC 80 - C120 *	120	80	100	3,5	7	33				
IEC 80 - C160	160	110	130	4	9	33	19	40	21,8	6
IEC 80 - A200	200	130	165	4	M10x20	32				

* IEC-Advantages row

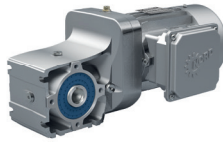
60 Hz imperial

0.16 hp
0.25 hp
0.33 hp



P_1 [hp]	n_2 [rpm]	M_2 [lb-in]	f_B	i_{ges}	F_R	F_A [lb]	Type	lb
0.16	36	284	1.2	47.67	670	1260	SK 920072.1 - 63 SP/4 SK 930072.1 - 63 SP/4	15.9
	41	247	1.3	41.56	670	1260		
	46	218	1.5	36.67	670	1260		
	54	188	1.8	31.57	670	1260		
	62	164	2.2	27.52	670	1260	SK 920072.1 - 63 S/4 SK 930072.1 - 63 S/4	
	70	144	2.8	24.29	670	1260		
	83	122	3.3	20.53	670	1260		
	92	110	4.0	18.52	670	1260		
106	95.2	4.6	16.00	670	1260			
0.25	36	440	0.8	47.67	670	1260	SK 920072.1 - 63 LP/4 SK 930072.1 - 63 LP/4	17.9
	41	384	0.9	41.56	670	1260		
	47	339	1	36.67	670	1260		
	54	292	1.1	31.57	670	1260		
	62	254	1.4	27.52	670	1260	SK 920072.1 - 63 L/4 SK 930072.1 - 63 L/4	
	70	224	1.8	24.29	670	1260		
	83	190	2.1	20.53	670	1260		
	92	171	2.6	18.52	670	1260		
	107	148	3.0	16.00	670	1260		
	126	125	3.5	13.53	670	1260		
	138	114	3.9	12.33	670	1260		
	164	96.4	4.6	10.43	670	1260		
0.33	55	381	0.9	31.57	670	1260	SK 920072.1 - 71 SP/4 SK 930072.1 - 71 SP/4	20.9
	63	332	1.1	27.52	670	1260		
	71	293	1.4	24.29	670	1260		
	84	248	1.6	20.53	670	1260		
	93	223	2.0	18.52	670	1260	SK 920072.1 - 71 S/4 SK 930072.1 - 71 S/4	
	108	193	2.3	16.00	670	1260		
	128	163	2.7	13.53	670	1260		
	140	149	3.0	12.33	670	1260		
	165	126	3.5	10.43	670	1260		
	192	108	4.1	8.97	670	1260		
	228	91.3	4.8	7.58	670	1260		

Performance data based up on premium efficiency or IE3 motors (Type P). Data will vary slightly when standard efficiency or IE1 motors are utilized. The purchaser is responsible for following regional motor efficiency requirements.

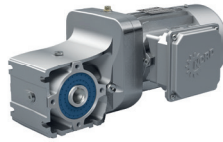




P ₁ [hp]	n ₂ [rpm]	M ₂ [lb-in]	f _B	i _{ges}	F _R	F _A	Type	lb
0.50	93	338	1.3	18.52	670	1260	SK 920072.1 - 71 LP/4 SK 930072.1 - 71 LP/4	23.4
	108	292	1.5	16.00	670	1260		
	128	247	1.8	13.53	670	1260		
	140	225	2.0	12.33	670	1260	SK 920072.1 - 71 L/4 SK 930072.1 - 71 L/4	
	165	190	2.3	10.43	670	1260		
	192	164	2.7	8.97	670	1260		
	228	138	3.2	7.58	670	1260		
	259	122	3.6	6.67	670	1260		
	269	117	3.8	6.40	670	1260		
	306	103	3.9	5.64	670	1260		
	334	94.4	3.5	5.17	670	1260		
	383	82.3	4.3	4.50	670	1260		
	434	72.6	4.9	3.97	670	1260		
0.75	108	436	1.0	16.00	670	1260	SK 920072.1 - 80 SP/4 SK 930072.1 - 80 SP/4	28.9
	128	369	1.2	13.53	670	1260		
	141	336	1.3	12.33	670	1260		
	166	284	1.6	10.43	670	1260	SK 920072.1 - 80 S/4 SK 930072.1 - 80 S/4	
	193	245	1.8	8.97	670	1260		
	229	206	2.1	7.58	670	1260		
	260	182	2.4	6.67	670	1260		
	271	174	2.5	6.40	670	1260		
	308	154	2.6	5.64	670	1260		
	336	141	2.4	5.17	670	1260		
	385	123	2.9	4.50	670	1260		
	437	108	3.3	3.97	670	1260		
	516	91.5	3.9	3.36	670	1260		
573	82.5	4.3	3.03	670	1250			
1.00	108	583	0.8	16.00	670	1260	SK 920072.1 - 80 LP/4 SK 930072.1 - 80 LP/4	30.0
	128	493	0.9	13.53	670	1260		
	140	449	1.0	12.33	670	1260		
	166	380	1.2	10.43	670	1260	SK 920072.1 - 80 L/4 SK 930072.1 - 80 L/4	
	193	327	1.4	8.97	670	1260		
	228	276	1.6	7.58	670	1260		
	260	243	1.8	6.67	670	1260		
	270	233	1.9	6.40	670	1260		
	307	205	1.9	5.64	670	1260		
	335	188	1.8	5.17	670	1260		
	384	164	2.2	4.50	670	1260		
	435	145	2.4	3.97	670	1260		
	515	122	2.9	3.36	670	1260		
572	110	3.2	3.03	670	1230			

Performance data based up on premium efficiency or IE3 motors (Type P). Data will vary slightly when standard efficiency or IE1 motors are utilized. The purchaser is responsible for following regional motor efficiency requirements.


60 Hz imperial

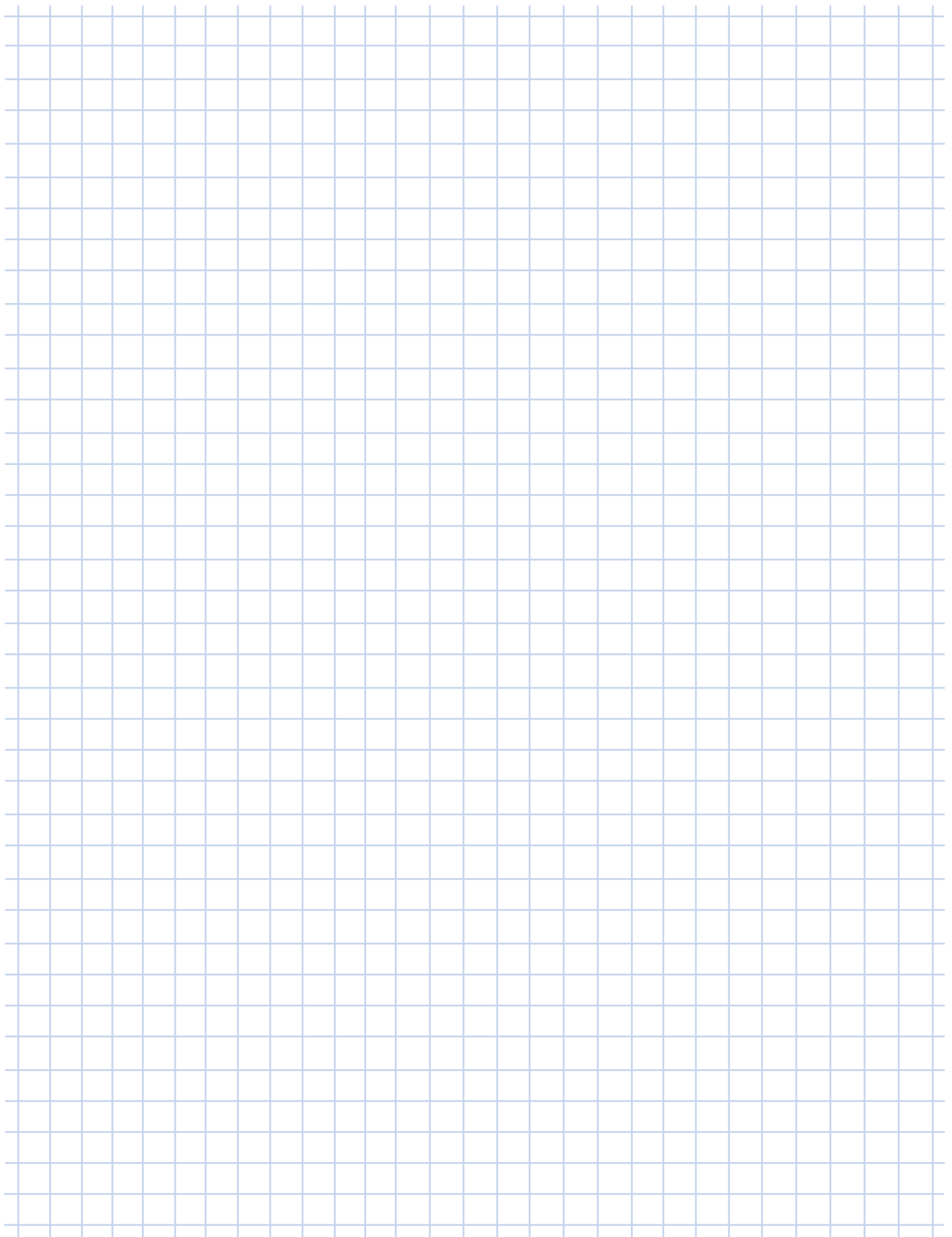
SK 920072.1 SK 930072.1



	i_{ges}	M_{2max} $f_B = 1$ [lb-in]	W		W		W		NEMA			
			n_2	P_{1max} $f_B \geq 1$	n_2	P_{1max} $f_B \geq 1$	n_2	P_{1max} $f_B \geq 1$	$f_B \Rightarrow$ 11-12			
			$n_1 = 1750$ rpm		$n_1 = 1150$ rpm		$n_1 = 875$ rpm		NEMA			
			[rpm]	[hp]	[rpm]	[hp]	[rpm]	[hp]	N56C	N140TC		
SK 920072.1	47.67	332	37	0.19	24	0.13	18	0.10	*	*		
SK 930072.1	41.56	332	42	0.22	28	0.15	21	0.11	*	*		
	36.67	332	48	0.24	31	0.16	24	0.12	*	*		
	31.57	332	55	0.29	36	0.19	28	0.15	*	*		
W + NEMA	27.52	354	64	0.36	42	0.23	32	0.18	*	*		
	24.29	398	72	0.46	47	0.30	36	0.23	*	*		
\Rightarrow 18-19	20.53	398	85	0.51	56	0.33	43	0.25	*	*		
	18.52	443	95	0.66	62	0.44	47	0.33	*	*		
	16.00	443	109	0.77	72	0.50	55	0.38	*	*		
	13.53	443	129	0.91	85	0.60	65	0.45	*	*		
	12.33	443	142	1.00	93	0.65	71	0.50	*	*		
W + IEC	10.43	443	168	1.00	110	0.77	84	0.59		*		
	8.97	443	195	1.00	128	0.82	98	0.63		*		
\Rightarrow 8-9	7.58	443	231	1.00	152	0.82	116	0.63		*		
	6.67	443	263	1.00	173	0.82	131	0.63		*		
	6.40	443	273	1.00	180	0.82	137	0.63		*		
	5.64	398	310	1.00	204	0.82	155	0.63		*		
	5.17	332	339	1.00	223	0.82	169	0.63		*		
	4.50	354	389	1.00	255	0.82	194	0.63		*		
	3.97	354	440	1.00	289	0.82	220	0.63		*		
	3.36	354	521	1.00	342	0.82	260	0.63		*		
	3.03	354	578	1.00	380	0.82	289	0.63		*		

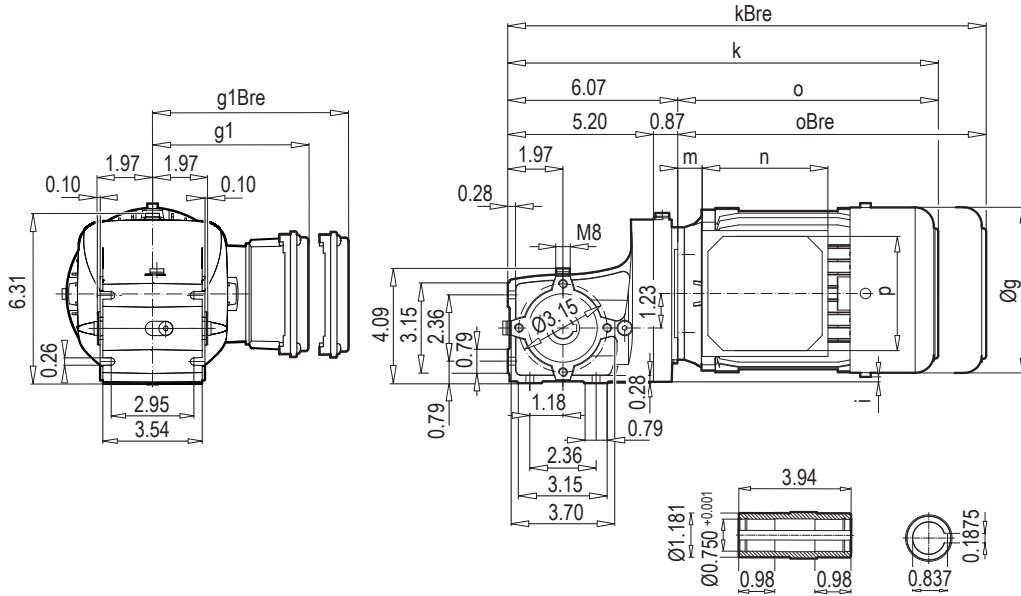
* Caution, do not exceed the maximum drive power P_{1max} according to the Type W column

	W	NEMA N56C	NEMA 140TC
SK 920072.1 SK 930072.1	3.31	2.21	2.21



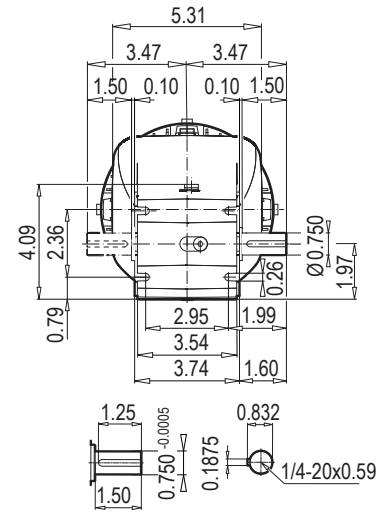


SK 920072.1 A



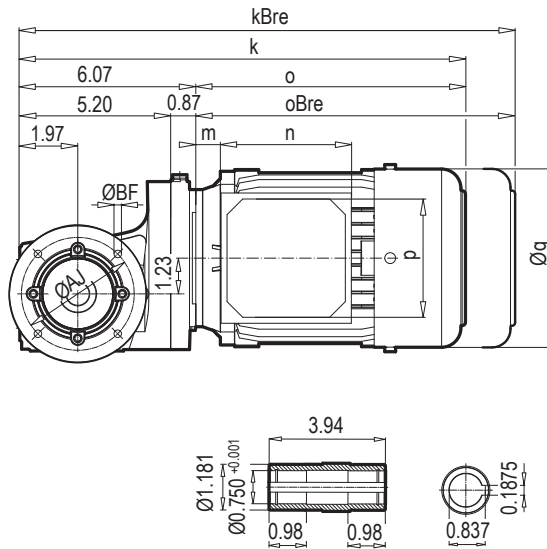
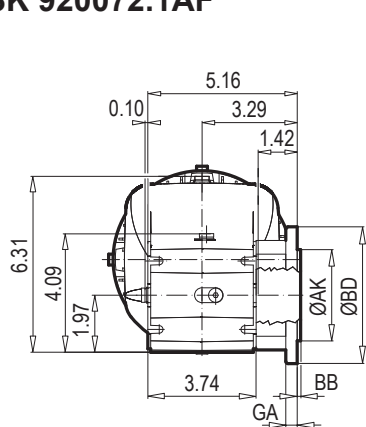
Ø0.750" BORE KEY: 2x 3/16x3/16x1.0" B

SK 920072.1 V



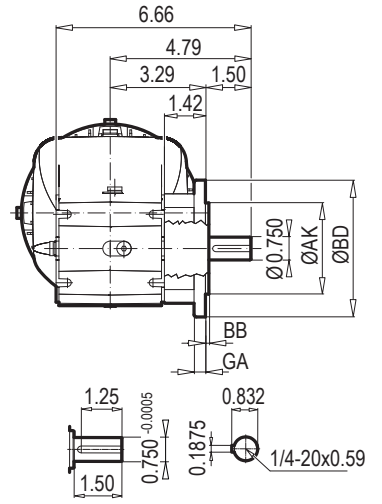
KEY: 3/16x3/16x1.25" B

SK 920072.1AF



Ø0.750" BORE KEY: 2x 3/16x3/16x1.0" B

SK 920072.1 VF



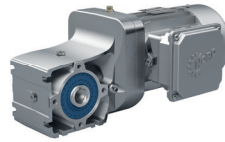
KEY: 3/16x3/16x1.25" B

BD (mm)	AK +/-	GA	AJ	BB	BF
4.72 (120)	3.150 +0.0005/-0.00004	0.39	3.937	0.12	4 x 0.28
5.51 (140)	3.740 +0.0005/-0.00004	0.39	4.528	0.12	4 x 0.35

IE3	63 SP/LP	71 SP/LP	80 SP/LP	90 SP			
g	5.09	5.72	6.43	7.19			
g1 / g1Bre	4.51 / 4.84	4.88 / 5.24	5.59 / 5.59	5.79 / 5.79			
k / kBre	13.62 / 15.83	14.50 / 16.78	15.48 / 17.87	16.93 / 19.88			
o / oBre	7.56 / 9.76	8.43 / 10.71	9.29 / 11.81	10.87 / 13.82			
m / mBre	0.47 / 0.71	0.79 / 1.02	0.87 / 1.00	1.03 / 1.14			
n / nBre	3.94 / 5.28	3.94 / 5.28	4.49 / 6.03	4.49 / 6.03			
p / pBre	3.94 / 3.51	3.94 / 3.51	4.49 / 4.25	114 / 4.25			
i	0.63	0.34	-0.08	-0.24			

W ⇨ 20

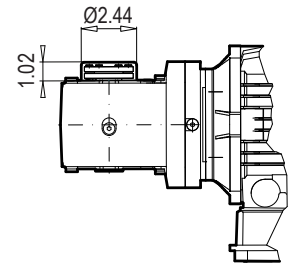
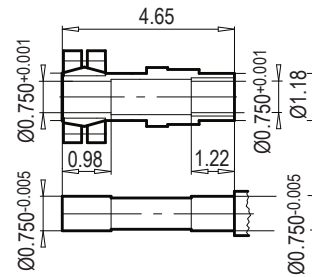
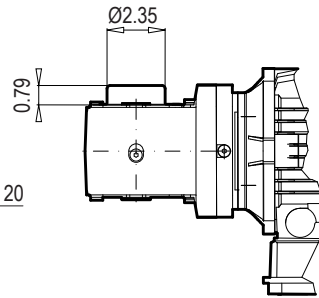
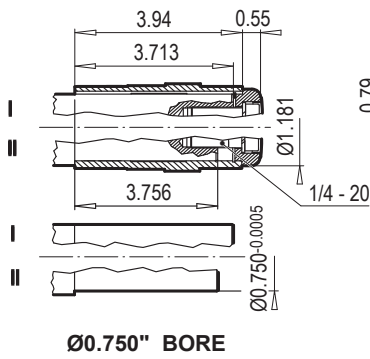
IEC ⇨ 21



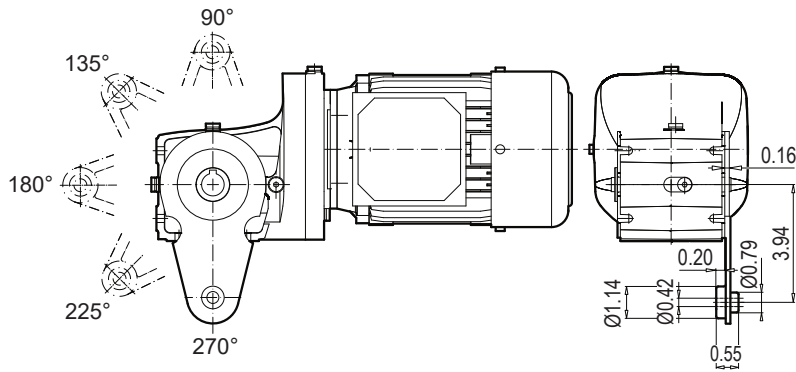
SK 920072.1 A (AF)B

SK 920072.1 A (AF)BH

SK 920072.1 A (AF)SH

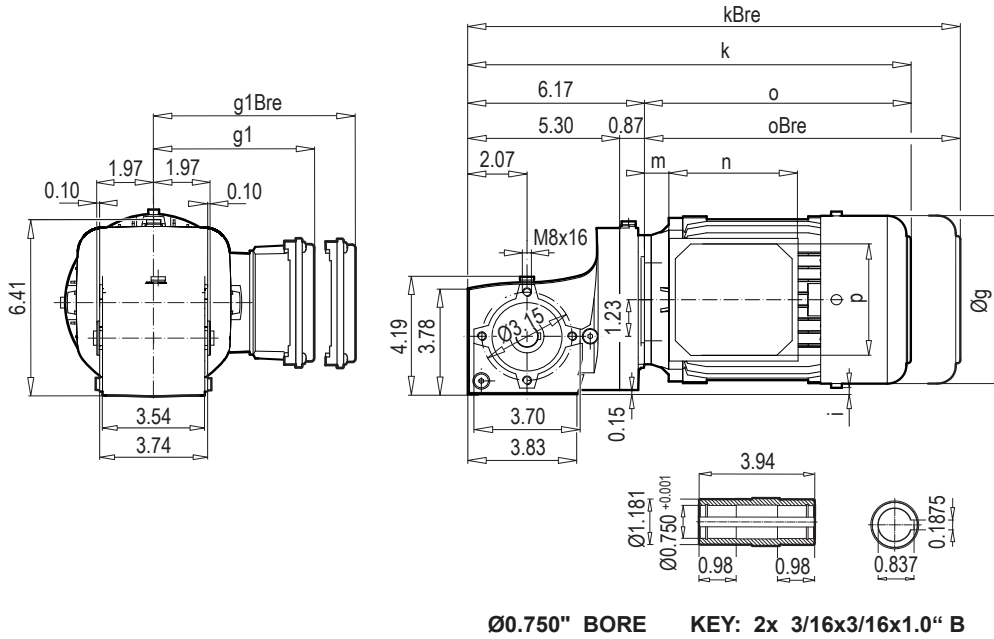


SK 920072.1 AD

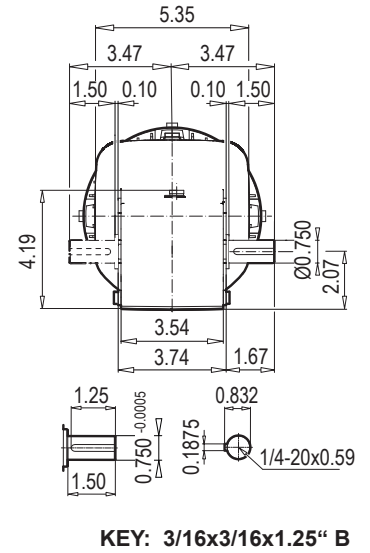




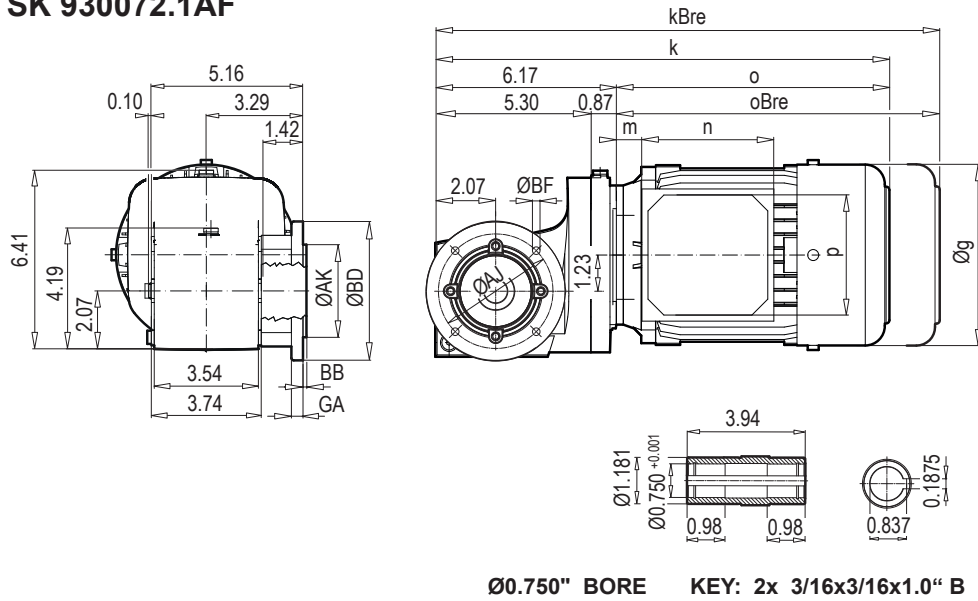
SK 930072.1 A



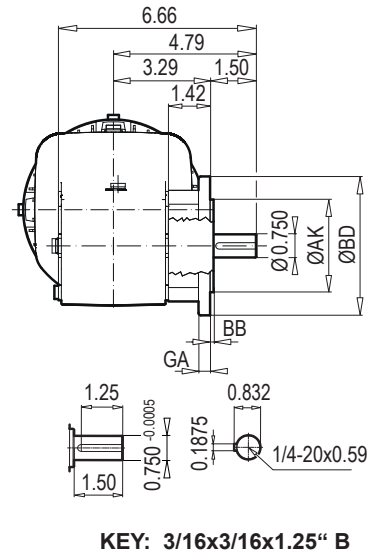
SK 930072.1 V



SK 930072.1AF



SK 930072.1 VF



BD (mm)	AK +/-	GA	AJ	BB	BF
4.72 (120)	3.150 +0.0005/-0.00004	0.39	3.937	0.12	4 x 0.28
5.51 (140)	3.740 +0.0005/-0.00004	0.39	4.528	0.12	4 x 0.35

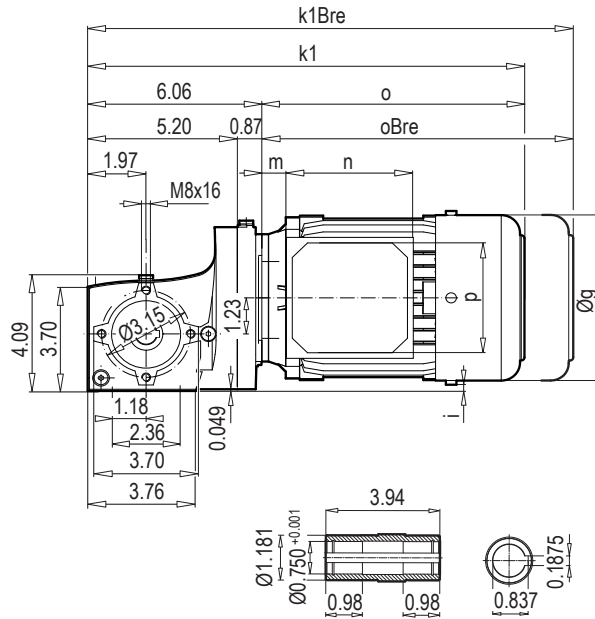
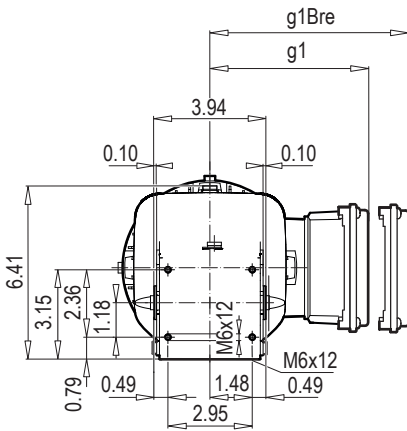
IE3	63 SP/LP	71 SP/LP	80 SP/LP	90 SP			
g	5.09	5.72	6.43	7.19			
g1 / g1Bre	4.51 / 4.84	4.88 / 5.24	5.59 / 5.59	5.79 / 5.79			
k / kBre	13.72 / 15.95	14.61 / 16.89	15.48 / 17.99	17.05 / 20.00			
o / oBre	7.56 / 9.76	8.43 / 10.71	9.29 / 11.81	10.87 / 13.82			
m / mBre	0.47 / 0.71	0.79 / 1.02	0.87 / 1.00	1.03 / 1.14			
n / nBre	3.94 / 5.28	3.94 / 5.28	4.49 / 6.03	4.49 / 6.03			
p / pBre	3.94 / 3.51	3.94 / 3.51	4.49 / 4.25	114 / 4.25			
i	0.73	0.43	-0.06	-0.24			

W ⇒ 20

IEC ⇒ 21

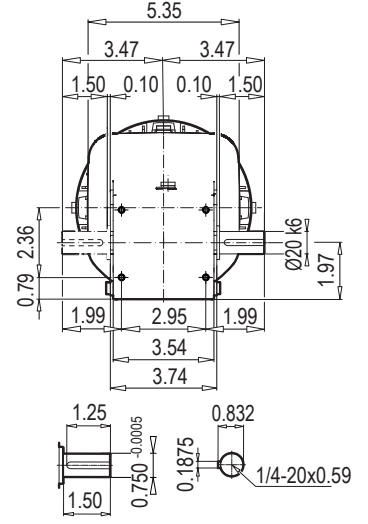


SK 930072.1 AX



Ø0.750" BORE KEY: 2x 3/16x3/16x1.0" B

SK 930072.1 VX

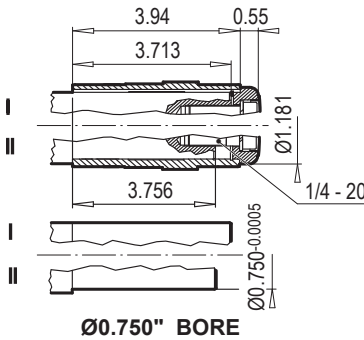


KEY: 3/16x3/16x1.25" B

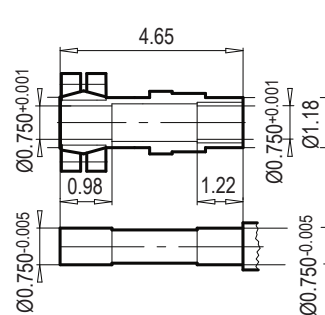
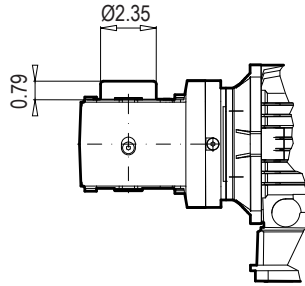
SK 930072.1 A (AF, AX)B

SK 930072.1 A (AF, AX)BH

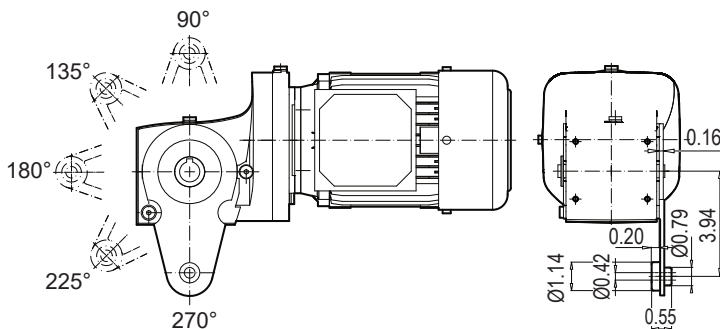
SK 930072.1 A (AF, AX)SH



Ø0.750" BORE



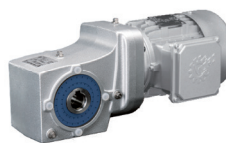
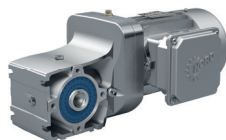
SK 930072.1 A(AV, AX)D



IE3	63 SP/LP	71 SP/LP	80 SP/LP	90 SP			
g	5.09	5.72	6.43	7.19			
g1 / g1Bre	4.51 / 4.84	4.88 / 5.24	5.59 / 5.59	5.79 / 5.79			
k1 / k1Bre	13.62 / 15.83	14.50 / 16.78	15.48 / 17.87	16.93 / 19.88			
o / oBre	7.56 / 9.76	8.43 / 10.71	9.29 / 11.81	10.87 / 13.82			
m / mBre	0.47 / 0.71	0.79 / 1.02	0.87 / 1.00	1.03 / 1.14			
n / nBre	3.94 / 5.28	3.94 / 5.28	4.49 / 6.03	4.49 / 6.03			
p / pBre	3.94 / 3.51	3.94 / 3.51	4.49 / 4.25	114 / 4.25			
i	0.63	0.34	- 0.04	- 0.42			

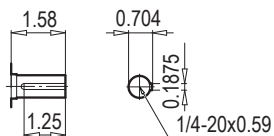
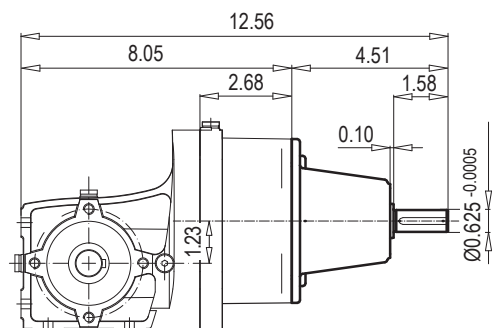
W ⇒ 20

IEC ⇒ 21

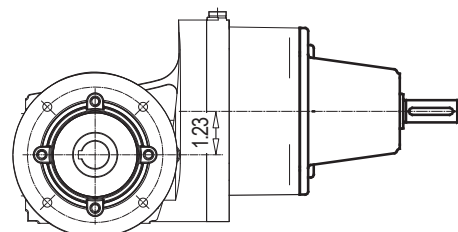


SK 920072.1 V (A) - W

SK 920072.1 VF (AF) - W

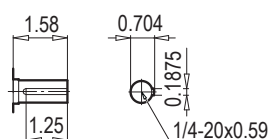
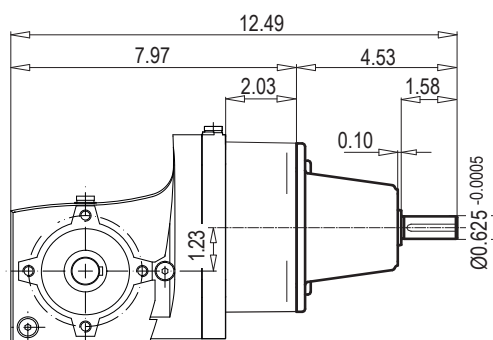


KEY: 3/16x3/16x1-1/4" B

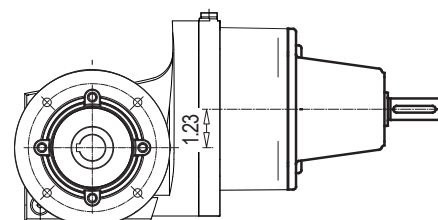


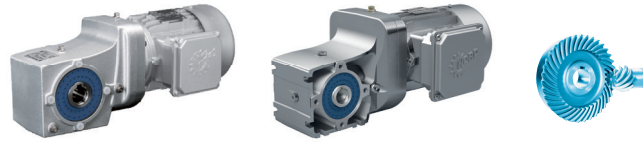
SK 930072.1 V (A) - W

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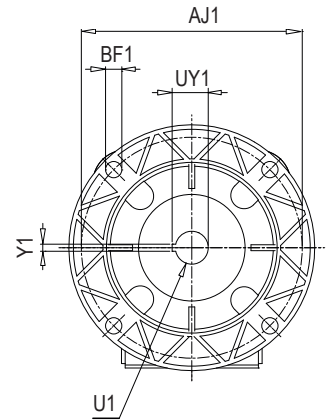
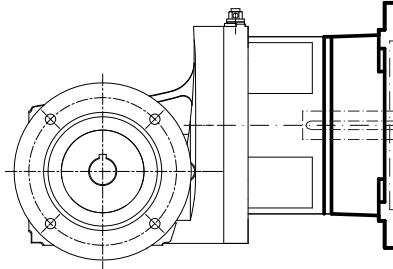
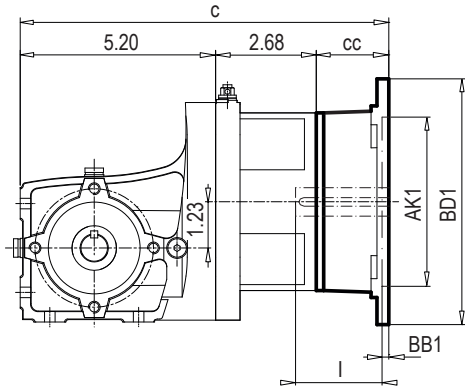




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SK 920072.1 VF (AF)

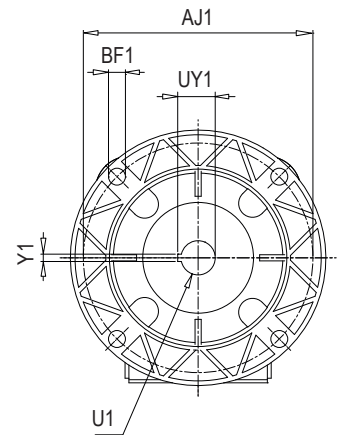
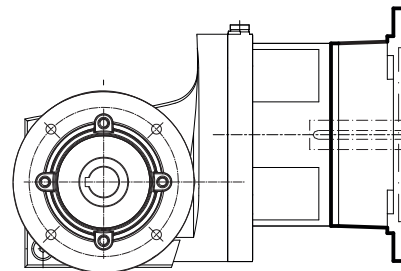
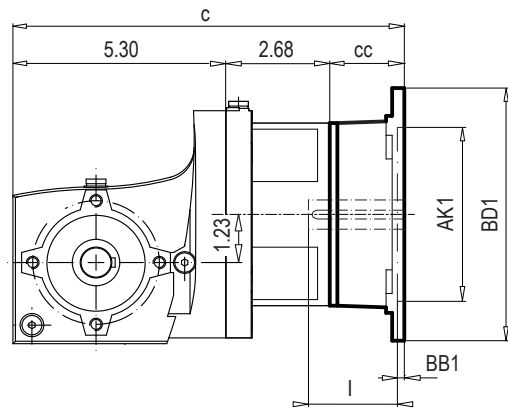
NEMA 56 C , 140 TC



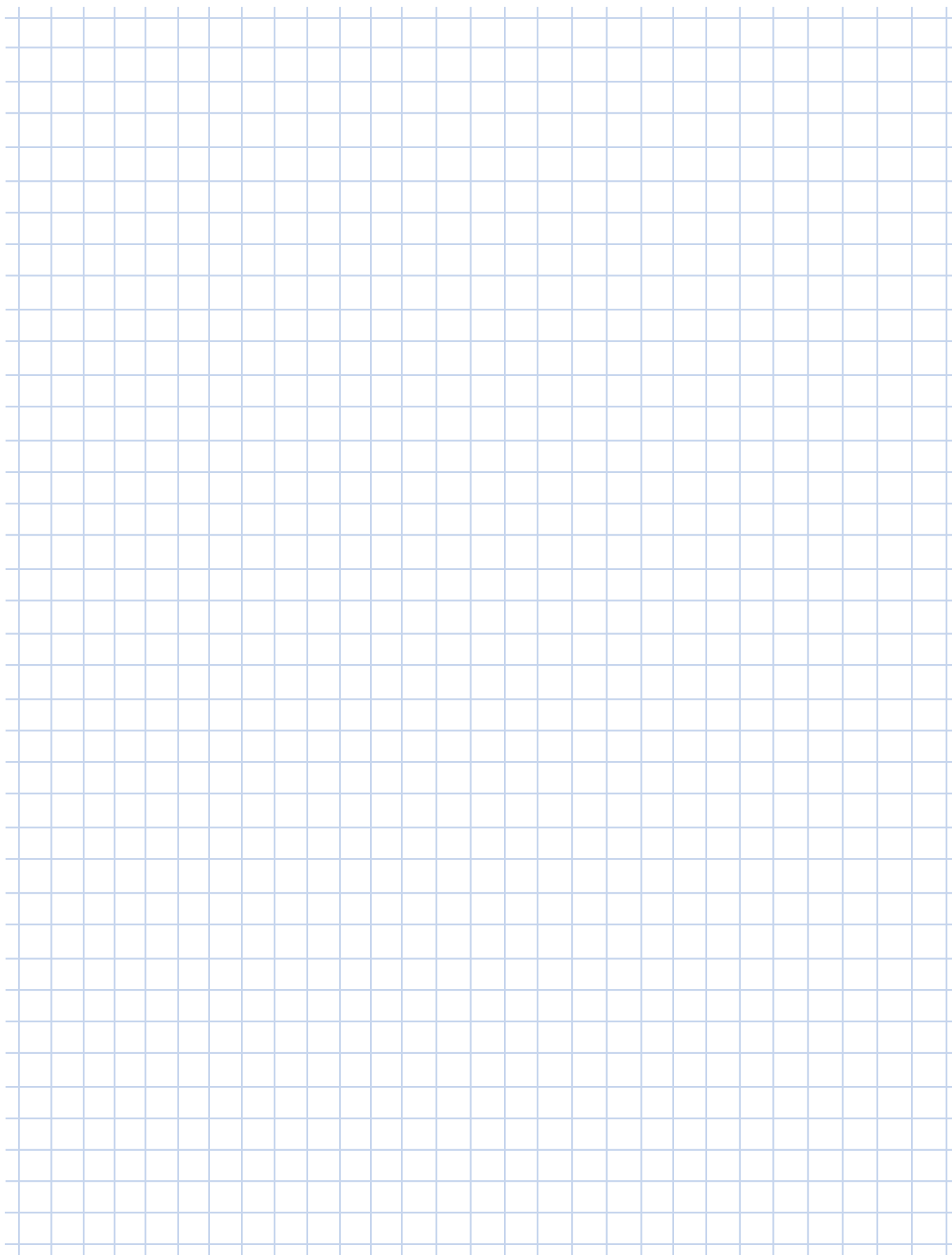
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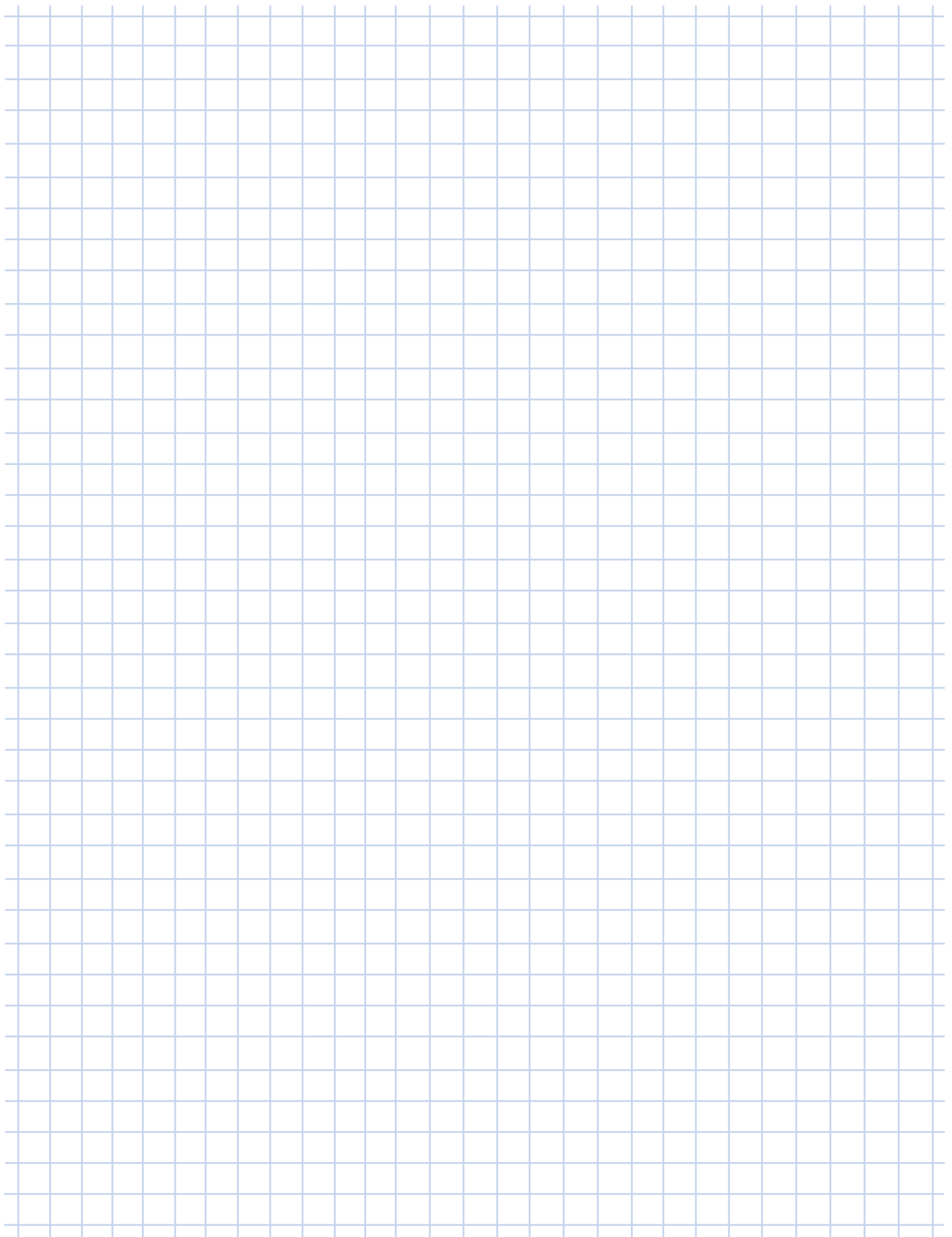
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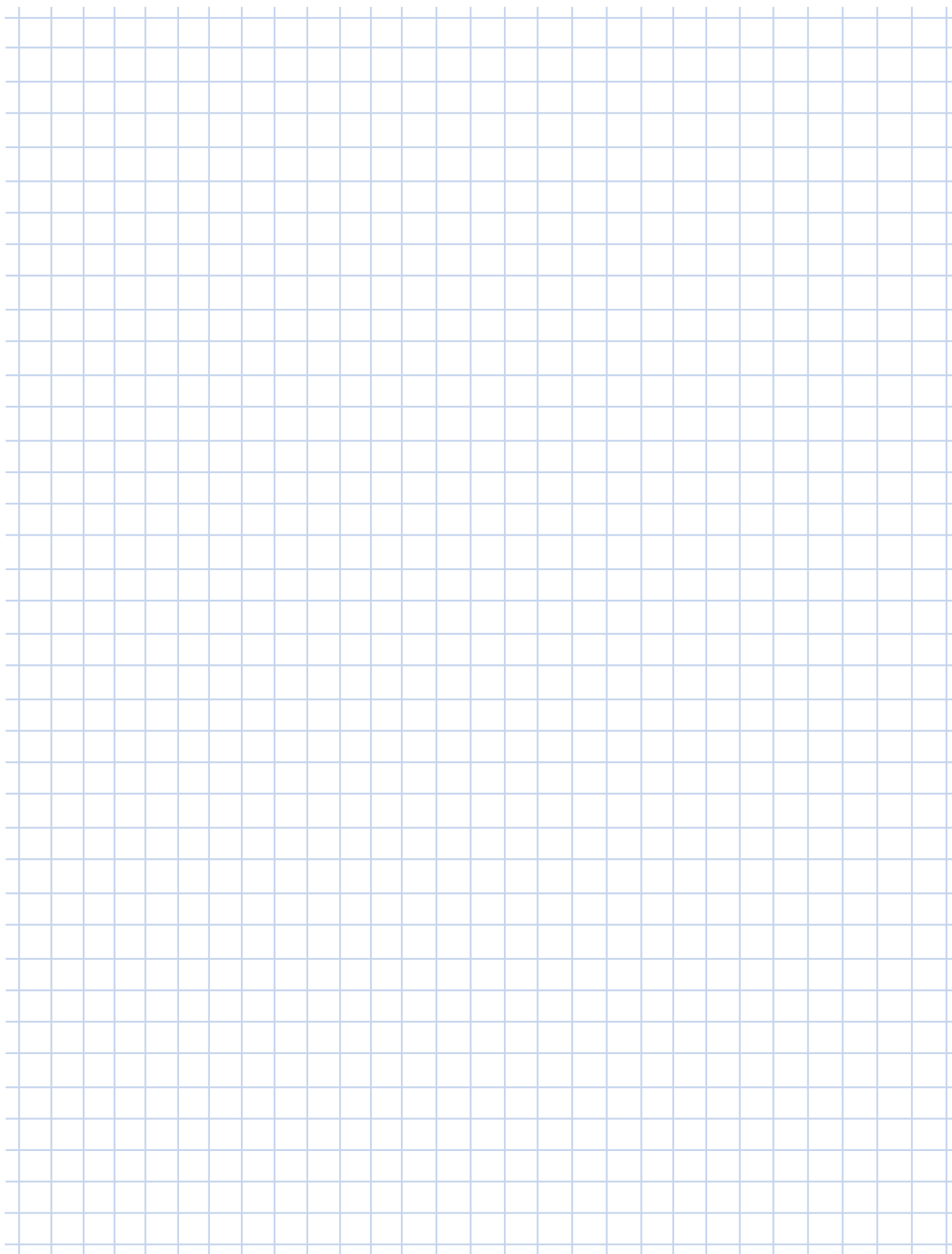
NEMA 56 C , 140 TC



NEMA	Ø BD1	Ø AK1	Ø AJ1	BB1	Ø BF1	Ø U1	UY1	Y1	C	CC	I
N 56 C	6.54	4.500	5.875	0.16	0.43	0.625	0.709	0.1875	9.33	1.46	1.89
N 140 TC	6.54	4.500	5.875	0.16	0.43	0.875	0.964	0.1875	9.80	1.93	1.97







An overview of the NORD range

G1000 Fixed speeds

UNICASE™ housing 50 Hz, 60 Hz

- NORDBLOC.1 Helical geared motors
- Helical geared motors
- Parallel geared motors
- Bevel geared motors
- Helical worm geared motors

G4014 Electronic variable speed drives

- NORDBLOC.1 Helical geared motors
- Helical geared motors
- Parallel geared motors
- Bevel geared motors
- Helical worm geared motors

G1050 MAXXDRIVE® Industrial gear units

UNICASE housing 50 / 60 Hz

- Parallel-Axis
- Right-Angle

G1035 UNIVERSAL Worm gear units

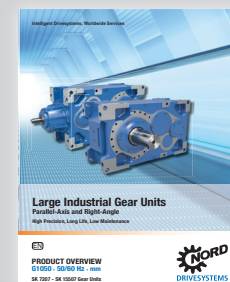
- SI and SMI

F3018 Frequency inverter SK180E

F3020 Frequency inverter SK200E

F3060 NORDAC PRO

Frequency inverter SK500P



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