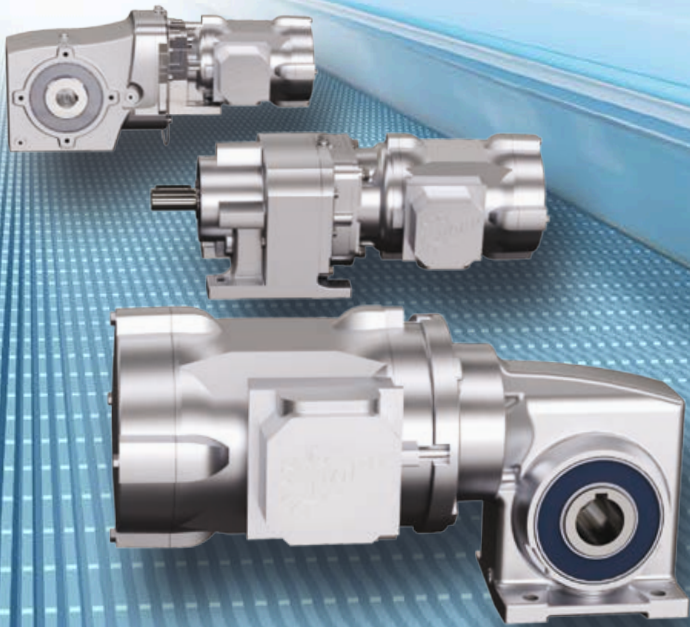


Intelligent Drivesystems, Worldwide Services



# Smooth Body Gearmotor Combinations

## Selection Guide

HM & HMT Model Motors  
Combined with NORD Gear Reducers

**PRODUCT CATALOG**  
**TI60-0002**



## Spanning the globe To serve you

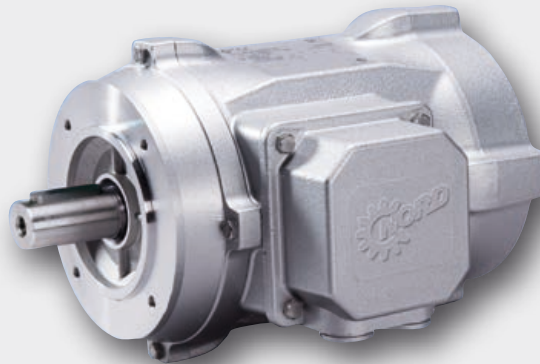
Since 1965, NORD has become well established in the power transmission industry and grown to global proportions on the strength of product performance, superior customer service, and intelligent drive solutions. NORD is constantly improving and expanding its products to meet a never-ending variety of industrial challenges.

NORD designs and manufactures drive systems engineered for adaptability. NORD's innovative drive solutions are specified and utilized for a range of applications in nearly every industry throughout the world.

NORD Drivesystems' product portfolio is extensive and continuously evolving in order to meet the needs of today's fast-changing markets. NORD's range of drive equipment includes: helical in-line, helical shaft-mount, helical-bevel, helical-worm and worm gear units with torques from 90 lb-in to 2,200,000 lb-in, readily available AC motors and from 1/6 HP to 250 HP, variable frequency drives up to 250 HP, and mechanical variable speed drives.

But NORD does far more than manufacture the world's finest drive components. We provide our customers with optimum drive configurations for their specific purposes, providing each and every one with truly complete and efficient systems at a price/quality ratio unmatched in today's competitive markets.

NORD makes its wide product range easily available through a global network that includes representation in over 60 countries. By providing all of our customers with prompt delivery, and expert support services, we are firmly committed to exceeding customer expectations and being responsive to the ideas and specifications of every customer, anywhere in the world.



### NORD Smooth Surface Motors

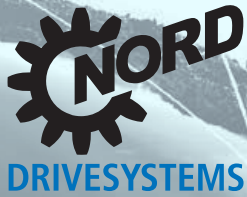
NORD Smooth Surface Motors are ideal for applications in food processing, bottling, pharmaceuticals, poultry and meat processing, bakeries, snack foods, dairy, marine and coastal areas, waste water, damp and wet areas and areas where sanitation and cleanliness is essential. The product offering includes four continuous duty, premium efficient motor sizes ranging from 0.5 to 1.5 HP with an IEC B14 flange mount and many possibilities to configure as a NORD integral gearmotor assembly. Motor options are varied and include thermal overload protection, space heaters, potted terminal boxes, condensation drain holes, and connectivity solutions.

NORD Smooth Surface Motors include both the HM and HMT series. The HM Series motors are made from a high-strength, naturally corrosion resistant aluminum alloy and can be supplied with a variety of protective coatings and finishes. The HMT Series motors are supplied with NORD's exclusive NSD<sup>tupH</sup> Sealed Surface Conversion System. The NORD HMT Series Smooth Surface motor can also be offered as part of a wide range of integral gearmotor or motorized reducer solution's complete with NSD<sup>tupH</sup>.

NORD NSD<sup>tupH</sup> product solutions have been field-proven to rival more costly stainless steel motor and options. NSD<sup>tupH</sup> is resistant to blistering, flaking and peeling, offers extreme corrosion resistance across a wide pH range, and a surface that is 1000 times harder than paint.

#### Features and Benefits

- Minimum IP66 ingress protection rating.
- Threaded cable entry holes
- Lip seals on both shaft ends
- Sealed and gasketed terminal boxes.
- Continuous Duty (S1) / Premium Efficient (IE3) / Non-ventilated (TENV).
- Common 50 Hz and 60 Hz voltages.
- Inverter/vector duty wiring and insulation.
- Rated for voltage spikes per NEMA MG1-2011, section 31.4.4.2
- Moisture resistant varnished dipped windings.



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## Company Overview

Since 1965, NORD has become well established in the power transmission industry and grown to global proportions on the strength of product performance, superior customer service, and intelligent drive solutions.

NORD designs and manufactures drivesystems engineered for adaptability. NORD's improving, expanded and innovative drive solutions are specified and utilized for a range of applications in nearly every industry throughout the world.

NORD Drivesystems' product portfolio is extensive and continuously evolving in order to meet the needs of today's fast-changing markets. NORD's range of drive equipment includes: helical in-line, helical shaft-mount, helical-bevel, helical-worm and worm gear units with torques from 90 lb-in to 2,200,000 lb-in, readily available AC motors from 1/6 HP to 250 HP, variable frequency drives up to 250 HP, & mechanical variable speed drives.

NORD does far more than manufacture the world's finest drive components. We provide our customers with optimum drive configurations for their specific purposes, providing each and every one with truly complete and efficient systems at a price/quality ratio unmatched in today's competitive markets.



## Short, On-Time Delivery

As a NORD customer, you can rest assured that your order will be delivered on time. Because NORD has both decentralized assembly and manufacturing operations and a linked global network, we offer our customers:

- Fast, reliable delivery
- Greater product versatility
- Shorter lead times
- Timely shipping
- Global Availability



## Global Availability

NORD makes its wide product range easily available through a global network that includes representation in over 60 countries. Providing all customers with prompt delivery, and expert support services, we are firmly committed to exceeding customer expectations and being totally responsive to the ideas and specifications of every customer, anywhere in the world.

## Increased North American Presence

NORD covers North America with over 30 district offices and over 500 distributor branches. NORD operates a manufacturing and assembly facility in Waukegan, WI, Charlotte, NC, Corona, CA, Brampton, ON, and Monterrey, Mexico, resulting in an ever-increasing capacity in the United States and Canada and giving our customers the shortest lead times in the industry.

## Manufacturing

NORD Gear continually invests in the latest research, manufacturing and automation technology. This ensures our ability to provide you with the utmost quality at an affordable price. Not only do we invest in our North American facilities, we invest in our factories throughout the world. We continually try to improve our practices to provide our customers with the most superior product available.

## Quality

Quality is assured at NORD assembly and manufacturing facilities, based on ISO 9000 standards — from careful inspection of incoming materials to closely monitored machining operations including gear cutting, turning, hardening & grinding as well as finishing and assembly.

## Worldwide Standards

NORD products are designed and manufactured based on the latest North American and global standards.

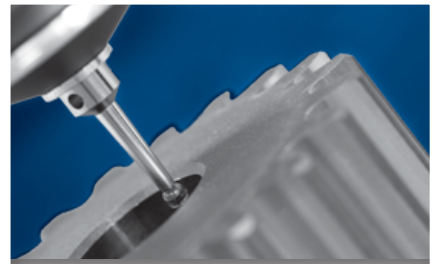


## Energy Efficiency

Lowering your operating costs is one of our greatest goals! NORD research and development focuses on energy efficiency, with gearboxes, motors, and frequency inverters designed for lower energy consumption. Our fully diverse line of in-line or right-angle units and motors has been developed to suit your needs.

## NORD 911

Trouble? Just call 715-NORD-911 (in Canada, 905-796-3606). Emergency service is available 24 hours a day, 7 days a week. We'll answer your call, ship the parts, or build a unit and have it shipped directly to you to provide what you need, when you need it.





## Corrosion Resistant Aluminum Alloy Housing

Modern gear units need to be robust, compact, powerful, inexpensive, and light. Weight is a huge factor since it creates increased costs, specifically if the gear unit needs to be transported during its movement cycles. Aluminium alloy has become firmly established as a material for gear unit housings in many applications and operations due to this important requirement.

NORD DRIVESYSTEMS provides optimized aluminum alloy gear unit housings which has a high level of corrosion protection by itself and does not need to be painted. Nord provides a wide variety of surface protection options to ensure that your investment stands up to its environment.

Housings made from aluminium alloy deal with heat conduction much better than housings that are made from cast iron or other materials. This certifies that lower operating temperatures are possible, which is beneficial for the internal components of the gear unit and ensures a longer service life.

### Advantages

- Painting is unnecessary
- Corrosion resistant for many applications without additional options
- Good thermal conductivity (lower temperature)
- Easy to clean surfaces
- Minimal weight & lower costs



## NORD Smooth Surface Motors

NORD Smooth Surface Motors are ideal in many food and beverage processing applications, the pharmaceutical industry, marine and coastal areas, and other industries where sanitation and cleanliness is essential.

NORD provides four continuous duty, premium efficient motor sizes ranging from 0.5 to 1.5 HP in many configurable options. A range of motor options are available which include thermal overload protection, space heaters, potted terminal boxes, condensation drain holes, and connectivity solutions among others.

NORD Smooth Surface Motors include the HM and HMT series. The HM Series motors are made from a high-strength, naturally corrosion resistant aluminum alloy and can be supplied with a variety of protective coatings and finishes. The HMT Series motors are supplied with NORD's exclusive NSD<sup>tupH</sup> Sealed Surface Conversion System. The NORD HMT Series Smooth Surface motor can also be offered as part of a wide range of integral gearmotor or motorized reducer solution's complete with NSD<sup>tupH</sup>.

NORD NSD<sup>tupH</sup> product solutions have been field-proven to rival more costly stainless steel motor and options. NSD<sup>tupH</sup> is resistant to blistering, flaking and peeling, offers extreme corrosion resistance across a wide pH range, and a surface that is 1000 times harder than paint.

### Advantages

- A minimum IP66 ingress protection rating.
- Threaded cable entry holes
- Lip seals on both shaft ends
- Sealed and gasketed terminal boxes.
- Continuous Duty (S1) / Premium Efficient (IE3) / Non-ventilated (TENV).
- Common 50 Hz and 60 Hz voltages.
- Inverter/vector duty wiring and insulation.
- Rated for voltage spikes per NEMA MG1-2011, section 31.4.4.2
- Moisture resistant varnished dipped windings.



## Surface Protection Options

### Protective Coatings

#### nsco

Improved corrosion protection for wet and outdoor environments starts by applying a primer undercoat over the primed cast-iron or base aluminum materials. The finish is then completed with our exceptional strength stainless steel polyurethane top coat.

#### nsco<sup>x3</sup>

For more demanding environments our multi-layer corrosion protection starts with a primer undercoat over the base material and then adding our stainless steel polyurethane coating and a high-gloss topcoat.

### Surface Conversion

#### nsco<sup>tuph</sup>

The NEW NSD<sup>tuph</sup> Sealed Surface Conversion System offers a cost effective weight saving alternative to stainless steel reducers. Through a revolutionary process, the aluminum alloy reducer housing and components are electrically catalyzed resulting in a molecular surface conversion. NSD<sup>tuph</sup> is exceptionally chemical, corrosion and abrasion resistant. The converted surface becomes very scratch resistant as it becomes 6-7 times harder than the original aluminum alloy as a result of this process.

NSD<sup>tuph</sup> is available on many NORD products. The NSD<sup>tuph</sup> package includes stainless steel reducer assembly hardware. Options include stainless steel reducer shafting, smooth-bodied stainless steel motors, and food grade lubricants. NSD<sup>tuph</sup> is the ideal package for harsh environments involving chemicals or wash-downs and other areas where sanitation and cleanliness are the highest priority.

### Further Product Information

For more information regarding the gear units and motors referenced within this catalog you can find our product catalogs online at [www.nord.com](http://www.nord.com):

- **Smooth Body Motors** - Catalog M7010
- **NORDBLOC.1® Gear Units** - Catalog G1013
- **93.1 Series Gear Units** - Catalog G1014
- **MINICASE® Gear Units** - Catalog G1035

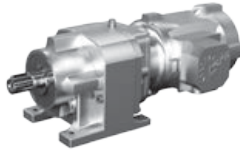


# NORDBLOC.1 In-Line Power Selection Tables



Motor Power $P_n$ [hp]	Output Speed	Output Torque	Service Factor	AGMA Class	Gear Ratio $i_{tot}$	Standard Bearings		Heavy Duty Bearings (VL)		Gearmotor Type	Weight [lb]
	$n_2$	$T_2$	$f_b$			$F_R$	$F_A$	$F_{RVL}$	$F_{AVL}$		
	[rpm]	[lb-in]				OHL [lb]	Thrust [lb]	OHL [lb]	Thrust [lb]		
0.50	747.8	42	9.1	III	2.32	629	841	-	-	SK172.1 - 80LH/4 HM	31
	696.8	45	8.5	III	2.49	629	869	-	-		
	637.9	49	8.3	III	2.72	629	877	-	-		
	594.2	53	8.4	III	2.92	629	877	-	-		
	538.8	58	8.2	III	3.22	629	877	-	-		
	501.4	62	7.7	III	3.46	629	877	-	-		
	457.8	68	7.6	III	3.79	629	877	-	-		
	416.1	75	7.7	III	4.17	629	877	-	-		
	375.5	83	7.7	III	4.62	629	877	-	-		
	337.5	93	7.9	III	5.14	629	877	-	-		
	300.7	104	6.6	III	5.77	629	877	-	-		
	269.8	116	6.3	III	6.43	629	877	-	-		
	245.1	128	5.7	III	7.08	629	877	-	-		
	221.6	141	5.1	III	7.83	629	877	-	-		
	199.0	157	5.0	III	8.72	629	877	-	-		
	177.2	176	4.3	III	9.79	629	877	-	-		
	160.2	195	3.9	III	10.83	629	877	-	-		
	152.3	205	3.7	III	11.39	629	877	-	-		
	143.9	217	3.5	III	12.06	629	877	-	-		
	128.1	244	3.1	III	13.54	629	877	-	-		
110.1	284	2.6	III	15.76	629	877	-	-			
93.3	335	2.2	III	18.60	629	877	-	-			
85.2	367	2.0	III	20.37	629	877	-	-			
77.4	404	2.0	III	22.42	629	877	-	-			
70.0	447	1.8	II	24.80	629	877	-	-			
62.8	498	1.6	II	27.62	629	877	-	-			
0.50	662.2	47	16.9	III	2.62	840	1695	967	1695	SK372.1 - 80LH/4 HM	40
	606.6	52	15.5	III	2.86	863	1770	994	1770		
	556.1	56	15.7	III	3.12	888	1855	1024	1855		
	505.8	62	15.7	III	3.43	914	1936	1055	1936		
	459.0	68	15.6	III	3.78	942	1999	1090	1999		
	415.1	75	15.3	III	4.18	972	2067	1127	2067		
	372.3	84	14.8	III	4.66	1005	2142	1168	2142		
	331.1	94	15.0	III	5.24	1041	2225	1214	2225		
	291.6	107	13.2	III	5.95	1082	2293	1265	2293		
	263.7	119	11.9	III	6.58	1115	2293	1307	2293		
	251.8	124	12.1	III	6.89	1128	2293	1326	2293		
	240.0	130	11.5	III	7.23	1142	2293	1347	2293		
	211.1	148	10.8	III	8.22	1184	2293	1404	2293		
	184.6	169	9.9	III	9.40	1228	2293	1466	2293		
	168.8	185	9.1	III	10.28	1255	2293	1508	2293		
	150.2	208	8.1	III	11.55	1297	2293	1566	2293		

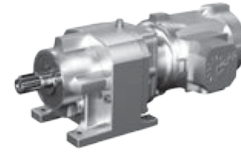




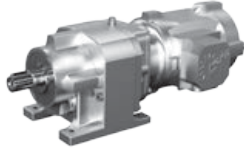
# NORDBLOC.1 In-Line Power Selection Tables

Motor Power $P_n$ [hp]	Output Speed $n_2$ [rpm]	Output Torque $T_2$ [lb-in]	Service Factor $f_b$	AGMA Class	Gear Ratio $i_{tot}$	Standard Bearings		Heavy Duty Bearings (VL)		Gearmotor Type	Weight [lb]
						$F_R$	$F_A$	$F_{RVL}$	$F_{AVL}$		
						OHL [lb]	Thrust [lb]	OHL [lb]	Thrust [lb]		
0.50	133.9	234	7.6	III	12.96	1314	2293	1624	2293	SK372.1 - 80LH/4 HM	40
	119.1	263	6.4	III	14.57	1313	2293	1686	2293		
	57.6	543	2.9	III	30.11	1299	2293	1798	2293		
	51.3	610	2.8	III	33.84	1294	2293	1797	2293		
	45.5	687	2.3	III	38.12	1288	2293	1792	2293		
	40.1	780	1.9	II	43.26	1279	2293	1786	2293		
	32.2	970	1.5	II	53.84	1257	2293	1771	2293		
	28.5	1096	1.2	I	60.83	1240	2293	1758	2293		
0.50	93.1	336	5.0	III	18.63	1311	2293	1798	2293	SK373.1 - 80LH/4 HM	40
	84.6	370	5.0	III	20.52	1309	2293	1798	2293		
	76.3	410	4.5	III	22.74	1307	2293	1798	2293		
	74.1	422	4.4	III	23.41	1306	2293	1798	2293		
	66.9	468	4.0	III	25.94	1304	2293	1798	2293		
	58.3	537	3.5	III	29.77	1299	2293	1798	2293		
	52.3	598	3.0	III	33.20	1295	2293	1798	2293		
	46.6	671	2.6	III	37.23	1289	2293	1793	2293		
	40.9	765	2.3	III	42.46	1280	2293	1787	2293		
	36.9	848	2.2	III	47.05	1272	2293	1781	2293		
	32.1	973	1.9	II	54.00	1257	2293	1770	2293		
	28.8	1085	1.6	II	60.22	1241	2293	1760	2293		
	26.8	1166	1.5	II	64.70	1229	2293	1751	2293		
	23.4	1339	1.3	I	74.27	1200	2293	1730	2293		
	21.0	1488	1.2	I	82.57	1170	2293	1710	2293		
19.0	1649	1.1	I	91.48	1134	2293	1686	2293			
17.0	1839	0.96	I	102.01	1085	2293	1653	2293			
0.50	212.9	147	21.7	III	8.15	2004	3372	2401	3372	SK572.1 - 80LH/4 HM	55
	194.5	161	20.4	III	8.92	2056	3372	2401	3372		
	172.8	181	19.6	III	10.04	2133	3372	2401	3372		
	154.2	203	17.9	III	11.25	2207	3372	2400	3372		
	136.8	229	16.7	III	12.68	2284	3372	2400	3372		
	126.9	246	14.7	III	13.67	2284	3372	2400	3372		
	112.8	277	13.1	III	15.38	2284	3372	2400	3372		
	105.4	297	12.2	III	16.46	2284	3372	2399	3372		
	88.7	353	10.3	III	19.57	2283	3372	2398	3372		
	37.9	825	3.4	III	45.77	2273	3372	2386	3372		
	31.9	981	3.3	III	54.41	2268	3372	2379	3372		
	99.6	314	12.1	III	17.42	2283	3260	2399	3260		
	90.3	346	11.0	III	19.22	2283	3260	2399	3260		
	81.4	384	9.9	III	21.32	2283	3260	2398	3260		
	72.9	429	8.9	III	23.79	2282	3260	2397	3260		
64.8	483	7.9	III	26.77	2281	3260	2396	3260			

# NORDBLOC.1 In-Line Power Selection Tables



Motor Power $P_n$ [hp]	Output Speed	Output Torque	Service Factor	AGMA Class	Gear Ratio $i_{tot}$	Standard Bearings		Heavy Duty Bearings (VL)		Gearmotor Type	Weight [lb]
	$n_2$	$T_2$	$f_b$			$F_R$	$F_A$	$F_{RVL}$	$F_{AVL}$		
	[rpm]	[lb-in]				OHL [lb]	Thrust [lb]	OHL [lb]	Thrust [lb]		
0.50	56.1	557	7.0	III	30.93	2280	3260	2394	3260	SK573.1 - 80LH/4 HM	55
	49.9	627	6.2	III	34.80	2278	3260	2392	3260		
	45.6	685	5.8	III	38.02	2277	3260	2390	3260		
	41.1	760	5.2	III	42.18	2275	3260	2388	3260		
	40.0	782	5.1	III	43.40	2274	3260	2387	3260		
	36.2	864	4.6	III	47.95	2272	3260	2384	3260		
	35.0	894	4.5	III	49.60	2271	3260	2383	3260		
	31.1	1006	4.0	III	55.80	2267	3260	2378	3260		
	28.5	1099	3.6	III	60.97	2264	3260	2373	3260		
	25.7	1219	3.3	III	67.64	2259	3260	2367	3260		
	22.6	1386	2.9	III	76.88	2251	3260	2357	3260		
	20.4	1535	2.6	III	85.18	2244	3260	2346	3260		
	18.4	1703	2.3	III	94.50	2234	3260	2333	3260		
	16.2	1936	2.0	III	107.42	2219	3260	2313	3260		
	15.6	2007	2.0	III	111.36	2214	3260	2307	3260		
	13.8	2261	1.8	II	125.45	2194	3260	2280	3260		
	12.3	2544	1.6	II	141.13	2170	3260	2247	3260		
	10.9	2862	1.4	II	158.78	2090	3260	2204	3260		
9.7	3218	1.2	I	178.56	1949	3260	2149	3260			
8.6	3626	1.1	I	201.16	1799	3260	2076	3260			
7.7	4079	1.0	I	226.30	1624	3260	1981	3260			
0.50	204.6	153	30.7	III	8.48	2489	4496	2993	4496	SK672.1 - 80LH/4 HM	71
	138.1	226	22.3	III	12.56	2488	4496	3372	4496		
	94.2	332	16.3	III	18.41	2487	4496	3372	4496		
	30.6	1021	3.5	III	56.65	2471	4496	3372	4496		
0.50	76.0	411	9.7	III	22.82	2486	4496	3372	4496	SK673.1 - 80LH/4 HM	68
	68.9	454	9.7	III	25.19	2485	4496	3372	4496		
	62.8	498	9.2	III	27.61	2485	4496	3372	4496		
	56.1	557	8.4	III	30.92	2484	4496	3372	4496		
	50.8	615	8.6	III	34.12	2482	4496	3372	4496		
	46.6	671	8.4	III	37.23	2481	4496	3372	4496		
	41.8	749	7.6	III	41.54	2479	4496	3372	4496		
	38.7	808	7.0	III	44.85	2478	4496	3372	4496		
	35.1	892	6.3	III	49.50	2475	4496	3372	4496		
	31.5	993	5.7	III	55.12	2472	4496	3372	4496		
	28.7	1090	5.2	III	60.45	2468	4496	3372	4496		
	26.3	1189	4.8	III	65.95	2464	4496	3372	4496		
	23.6	1327	4.3	III	73.64	2458	4496	3372	4496		
	20.7	1509	3.8	III	83.70	2449	4496	3372	4496		
	18.3	1710	3.3	III	94.86	2438	4496	3372	4496		
16.8	1865	3.0	III	103.48	2428	4496	3372	4496			



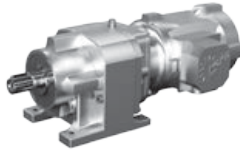
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Motor Power $P_n$ [hp]	Output Speed $n_2$ [rpm]	Output Torque $T_2$ [lb-in]	Service Factor $f_b$	AGMA Class	Gear Ratio $i_{tot}$	Standard Bearings		Heavy Duty Bearings (VL)		Gearmotor Type	Weight [lb]
						$F_R$ OHL [lb]	$F_A$ Thrust [lb]	$F_{RVL}$ OHL [lb]	$F_{AVL}$ Thrust [lb]		
0.50	15.0	2089	2.7	III	115.89	2412	4496	3372	4496	SK673.1 - 80LH/4 HM	68
	13.3	2353	2.4	III	130.55	2391	4496	3372	4496		
	12.1	2583	2.2	III	143.30	2371	4496	3369	4496		
	10.7	2910	1.9	II	161.45	2338	4496	3346	4496		
	9.8	3207	1.8	II	177.94	2304	4496	3323	4496		
	9.5	3278	1.7	II	181.88	2295	4496	3317	4496		
	8.9	3499	1.6	II	194.11	2267	4496	3297	4496		
	7.9	3947	1.4	II	219.00	2202	4496	3253	4496		
	7.9	3971	1.4	II	220.32	2199	4496	3251	4496		
	7.0	4474	1.3	I	248.20	2114	4496	3194	4496		
6.2	5033	1.1	I	279.23	2002	4496	3121	4496			
5.7	5490	1.0	I	304.61	1896	4496	3054	4496			
0.75	750.0	62	6.1	III	2.32	629	830	-	-	SK172.1 - 90SH/4 HM	42
	698.8	67	5.7	III	2.49	629	857	-	-		
	639.7	73	5.6	III	2.72	629	877	-	-		
	595.9	78	5.7	III	2.92	629	877	-	-		
	540.4	86	5.6	III	3.22	629	877	-	-		
	502.9	92	5.2	III	3.46	629	877	-	-		
	459.1	101	5.2	III	3.79	629	877	-	-		
	417.3	111	5.2	III	4.17	629	877	-	-		
	376.6	123	5.2	III	4.62	629	877	-	-		
	338.5	137	5.3	III	5.14	629	877	-	-		
	301.6	154	4.4	III	5.77	629	877	-	-		
	270.6	172	4.2	III	6.43	629	877	-	-		
	245.8	189	3.8	III	7.08	629	877	-	-		
	222.2	209	3.5	III	7.83	629	877	-	-		
	199.5	233	3.3	III	8.72	629	877	-	-		
177.7	262	2.9	III	9.79	629	877	-	-			
152.8	304	2.5	III	11.39	629	877	-	-			
0.75	664.1	70	11.4	III	2.62	823	1690	965	1690	SK372.1 - 90SH/4 HM	49
	608.4	76	10.4	III	2.86	845	1764	992	1764		
	557.7	83	10.6	III	3.12	868	1848	1021	1848		
	507.3	92	10.6	III	3.43	892	1929	1052	1929		
	460.3	101	10.5	III	3.78	919	1991	1086	1991		
	416.3	112	10.3	III	4.18	947	2059	1123	2059		
	373.4	124	10.0	III	4.66	977	2133	1164	2133		
	332.1	140	10.1	III	5.24	1011	2215	1208	2215		
	292.4	159	8.9	III	5.95	1048	2293	1259	2293		
	264.4	176	8.1	III	6.58	1078	2293	1301	2293		
252.5	184	8.2	III	6.89	1089	2293	1319	2293			
240.7	193	7.8	III	7.23	1100	2293	1339	2293			

# NORDBLOC.1 In-Line Power Selection Tables



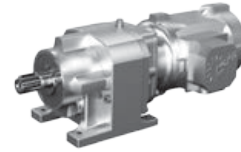
Motor Power $P_n$ [hp]	Output Speed $n_2$ [rpm]	Output Torque $T_2$ [lb-in]	Service Factor $f_b$	AGMA Class	Gear Ratio $i_{tot}$	Standard Bearings		Heavy Duty Bearings (VL)		Gearmotor Type	Weight [lb]
						$F_R$ OHL [lb]	$F_A$ Thrust [lb]	$F_{RVL}$ OHL [lb]	$F_{AVL}$ Thrust [lb]		
0.75	211.7	220	7.3	III	8.22	1135	2293	1395	2293	SK372.1 - 90SH/4 HM	49
	185.1	251	6.7	III	9.40	1172	2293	1455	2293		
	169.3	275	6.1	III	10.28	1193	2293	1496	2293		
	150.6	309	5.4	III	11.55	1229	2293	1553	2293		
	134.3	346	5.1	III	12.96	1254	2293	1609	2293		
	119.4	389	4.3	III	14.57	1289	2293	1669	2293		
	105.5	441	3.8	III	16.50	1305	2293	1732	2293		
	94.6	492	3.6	III	18.40	1302	2293	1792	2293		
	84.4	551	3.1	III	20.62	1298	2293	1798	2293		
	75.7	614	2.9	III	23.00	1293	2293	1796	2293		
	67.3	691	2.4	III	25.85	1286	2293	1791	2293		
	57.8	804	2.0	III	30.11	1275	2293	1783	2293		
	51.4	904	1.9	II	33.84	1263	2293	1775	2293		
0.75	93.4	498	3.4	III	18.63	1301	2293	1794	2293	SK373.1 - 90SH/4 HM	51
	84.8	548	3.4	III	20.52	1298	2293	1798	2293		
	76.5	608	3.1	III	22.74	1293	2293	1797	2293		
	74.3	625	3.0	III	23.41	1292	2293	1796	2293		
	67.1	693	2.7	III	25.94	1286	2293	1791	2293		
	58.4	795	2.3	III	29.77	1276	2293	1784	2293		
	52.4	887	2.0	III	33.20	1265	2293	1777	2293		
	46.7	995	1.8	II	37.23	1252	2293	1767	2293		
	41.0	1134	1.6	II	42.46	1231	2293	1752	2293		
	37.0	1257	1.5	II	47.05	1210	2293	1738	2293		
	32.2	1443	1.3	I	54.00	1174	2293	1713	2293		
	28.9	1609	1.1	I	60.22	1137	2293	1687	2293		
	26.9	1728	1.0	I	64.70	1106	2293	1667	2293		
23.4	1984	0.9	*	74.27	1030	2293	1617	2293			
0.75	213.5	218	14.6	III	8.15	1968	3372	2400	3372	SK572.1 - 90SH/4 HM	66
	195.1	238	13.7	III	8.92	2014	3372	2400	3372		
	173.3	268	13.2	III	10.04	2086	3372	2400	3372		
	154.7	301	12.1	III	11.25	2155	3372	2399	3372		
	137.2	339	11.2	III	12.68	2228	3372	2399	3372		
	127.3	365	9.9	III	13.67	2270	3372	2398	3372		
	113.1	411	9.3	III	15.38	2282	3372	2397	3372		
	105.7	440	8.1	III	16.46	2282	3372	2397	3372		
	88.9	523	6.8	III	19.57	2280	3372	2395	3372		
	64.4	721	4.9	III	27.00	2276	3372	2389	3372		
	60.2	772	4.4	III	28.91	2274	3372	2387	3372		
	48.8	952	3.4	III	35.65	2269	3372	2380	3372		
	41.1	1132	2.9	III	42.38	2262	3372	2371	3372		
	38.0	1223	2.3	III	45.77	2258	3372	2365	3372		
	32.0	1454	2.3	III	54.41	2247	3372	2350	3372		



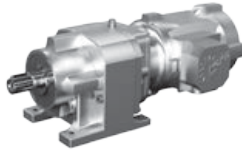
# NORDBLOC.1 In-Line Power Selection Tables

Motor Power $P_n$ [hp]	Output Speed $n_2$ [rpm]	Output Torque $T_2$ [lb-in]	Service Factor $f_b$	AGMA Class	Gear Ratio $i_{tot}$	Standard Bearings		Heavy Duty Bearings (VL)		Gearmotor Type	Weight [lb]
						$F_R$	$F_A$	$F_{RVL}$	$F_{AVL}$		
						OHL [lb]	Thrust [lb]	OHL [lb]	Thrust [lb]		
0.75	99.9	465	8.2	III	17.42	2281	3260	2396	3260	SK573.1 - 90SH/4 HM	66
	90.5	513	7.4	III	19.22	2280	3260	2395	3260		
	81.6	570	6.7	III	21.32	2279	3260	2394	3260		
	73.1	636	6.0	III	23.79	2278	3260	2392	3260		
	65.0	715	5.3	III	26.77	2276	3260	2389	3260		
	56.3	826	4.7	III	30.93	2273	3260	2385	3260		
	50.0	930	4.2	III	34.80	2269	3260	2381	3260		
	45.8	1016	3.9	III	38.02	2266	3260	2377	3260		
	41.3	1127	3.5	III	42.18	2262	3260	2371	3260		
	40.1	1159	3.4	III	43.40	2261	3260	2369	3260		
	36.3	1281	3.1	III	47.95	2255	3260	2362	3260		
	35.1	1325	3.0	III	49.60	2253	3260	2359	3260		
	31.2	1491	2.7	III	55.80	2245	3260	2348	3260		
	28.5	1629	2.4	III	60.97	2237	3260	2337	3260		
	25.7	1807	2.2	III	67.64	2225	3260	2322	3260		
	25.7	1807	2.2	III	67.64	2225	3260	2322	3260		
	22.6	2054	1.9	II	76.88	2208	3260	2298	3260		
	20.4	2276	1.8	II	85.18	2190	3260	2274	3260		
	18.4	2525	1.6	II	94.50	2167	3260	2244	3260		
	16.2	2870	1.3	I	107.42	2069	3260	2196	3260		
15.9	2915	1.4	II	109.12	2039	3260	2189	3260			
15.6	2975	1.3	I	111.36	2017	3260	2180	3260			
12.8	3644	1.1	I	136.40	1767	3260	2060	3260			
9.7	4770	0.8	*	178.56	1305	3260	1776	3260			
0.75	226.6	205	22.9	III	7.68	2488	4496	2895	4496	SK672.1 - 90SH/4 HM	77
	205.2	227	20.7	III	8.48	2488	4496	2991	4496		
	200.9	231	20.3	III	8.66	2488	4496	3011	4496		
	188.1	247	19.0	III	9.25	2488	4496	3077	4496		
	167.8	277	18.2	III	10.37	2488	4496	3194	4496		
	152.9	304	16.6	III	11.38	2487	4496	3293	4496		
	138.5	336	15.0	III	12.56	2487	4496	3372	4496		
	127.0	366	14.0	III	13.70	2487	4496	3372	4496		
	113.4	410	13.2	III	15.35	2486	4496	3372	4496		
	100.9	461	11.7	III	17.25	2485	4496	3372	4496		
	94.5	492	11.0	III	18.41	2485	4496	3372	4496		
	84.4	551	9.8	III	20.62	2484	4496	3372	4496		
	48.7	955	5.1	III	35.75	2473	4496	3372	4496		
	39.1	1190	3.3	III	44.55	2463	4496	3372	4496		
30.7	1513	2.3	III	56.65	2448	4496	3372	4496			
0.75	76.2	610	6.5	III	22.82	2482	4496	3372	4496	SK673.1 - 90SH/4 HM	79
	69.1	673	6.6	III	25.19	2481	4496	3372	4496		
	63.0	738	6.2	III	27.61	2479	4496	3372	4496		

# NORDBLOC.1 In-Line Power Selection Tables



Motor Power $P_n$ [hp]	Output Speed	Output Torque	Service Factor	AGMA Class	Gear Ratio	Standard Bearings		Heavy Duty Bearings (VL)		Gearmotor Type	Weight [lb]
	$n_2$	$T_2$	$f_b$			$F_R$	$F_A$	$F_{RVL}$	$F_{AVL}$		
	[rpm]	[lb-in]				OHL [lb]	Thrust [lb]	OHL [lb]	Thrust [lb]		
0.75	56.3	826	5.7	III	30.92	2477	4496	3372	4496	SK673.1 - 90SH/4 HM	79
	51.0	912	5.8	III	34.12	2474	4496	3372	4496		
	46.7	995	5.7	III	37.23	2471	4496	3372	4496		
	41.9	1110	5.1	III	41.54	2467	4496	3372	4496		
	38.8	1198	4.7	III	44.85	2463	4496	3372	4496		
	35.2	1322	4.3	III	49.50	2457	4496	3372	4496		
	31.6	1473	3.8	III	55.12	2450	4496	3372	4496		
	28.8	1615	3.5	III	60.45	2442	4496	3372	4496		
	26.4	1762	3.2	III	65.95	2433	4496	3372	4496		
	23.6	1967	2.9	III	73.64	2419	4496	3372	4496		
	20.8	2236	2.5	III	83.70	2398	4496	3372	4496		
	18.3	2534	2.2	III	94.86	2371	4496	3369	4496		
	16.8	2765	2.0	III	103.48	2348	4496	3353	4496		
	15.0	3096	1.8	II	115.89	2310	4496	3327	4496		
	12.9	3597	1.6	II	134.64	2245	4496	3282	4496		
	11.8	3924	1.4	II	146.88	2195	4496	3248	4496		
10.8	4313	1.3	I	161.45	2129	4496	3204	4496			
7.9	5886	1.0	I	220.32	1756	4496	2971	4496			
1.00	756.5	84	4.5	III	2.32	629	813	-	-	SK172.1 - 100SH/4 HM	55
	704.8	90	4.2	III	2.49	629	839	-	-		
	645.2	98	4.1	III	2.72	629	875	-	-		
	601.0	105	4.2	III	2.92	629	877	-	-		
	545.0	116	4.1	III	3.22	629	877	-	-		
	507.2	125	3.8	III	3.46	629	877	-	-		
	463.1	137	3.8	III	3.79	629	877	-	-		
	420.9	151	3.8	III	4.17	629	877	-	-		
	379.9	167	3.8	III	4.62	629	877	-	-		
	341.4	186	4.0	III	5.14	629	877	-	-		
	272.9	232	3.1	III	6.43	629	877	-	-		
	247.9	256	2.8	III	7.08	629	877	-	-		
	224.1	283	2.6	III	7.83	629	877	-	-		
	201.3	315	2.5	III	8.72	629	877	-	-		
179.3	354	2.1	III	9.79	629	877	-	-			
154.1	411	1.8	II	11.39	629	877	-	-			
1.00	669.8	95	8.4	III	2.62	802	1670	957	1670	SK372.1 - 100SH/4 HM	62
	613.6	103	7.7	III	2.86	822	1743	984	1743		
	562.5	113	7.9	III	3.12	844	1824	1012	1824		
	511.7	124	7.9	III	3.43	867	1912	1043	1912		
	464.3	137	7.8	III	3.78	891	1972	1077	1973		
	419.9	151	7.6	III	4.18	917	2039	1113	2039		
	376.6	168	7.4	III	4.66	946	2111	1153	2112		
334.9	189	7.5	III	5.24	976	2192	1197	2192			



# NORDBLOC.1 In-Line Power Selection Tables

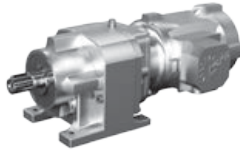
Motor Power $P_n$ [hp]	Output Speed $n_2$ [rpm]	Output Torque $T_2$ [lb-in]	Service Factor $f_b$	AGMA Class	Gear Ratio $i_{tot}$	Standard Bearings		Heavy Duty Bearings (VL)		Gearmotor Type	Weight [lb]
						$F_R$	$F_A$	$F_{RVL}$	$F_{AVL}$		
						OHL [lb]	Thrust [lb]	OHL [lb]	Thrust [lb]		
1.00	295.0	215	6.6	III	5.95	1009	2282	1246	2282	SK372.1 - 100SH/4 HM	62
	266.7	238	6.0	III	6.58	1037	2293	1287	2293		
	254.7	249	6.0	III	6.89	1044	2293	1305	2293		
	242.7	261	5.8	III	7.23	1053	2293	1324	2293		
	213.5	297	5.4	III	8.22	1082	2293	1379	2293		
	186.7	340	5.0	III	9.40	1112	2293	1437	2293		
	170.7	371	4.5	III	10.28	1127	2293	1476	2293		
151.9	417	4.0	III	11.55	1156	2293	1531	2293			
1.00	215.3	294	10.8	III	8.15	1923	3372	2399	3372	SK572.1 - 100SH/4 HM	79
	196.7	322	10.2	III	8.92	1963	3372	2399	3372		
	174.8	363	9.8	III	10.04	2030	3372	2398	3372		
	156.0	406	8.9	III	11.25	2093	3372	2398	3372		
	138.4	458	8.3	III	12.68	2159	3372	2397	3372		
	128.4	494	7.3	III	13.67	2194	3372	2396	3372		
	114.1	556	6.5	III	15.38	2265	3372	2394	3372		
	106.6	595	6.1	III	16.46	2279	3372	2393	3372		
89.7	707	5.1	III	19.57	2277	3372	2390	3372			
1.00	100.7	629	6.0	III	17.42	2278	3260	2392	3260	SK573.1 - 100SH/4 HM	79
	91.3	694	5.5	III	19.22	2277	3260	2390	3260		
	82.3	770	4.9	III	21.32	2275	3260	2388	3260		
	73.8	859	4.4	III	23.79	2272	3260	2385	3260		
	65.6	967	3.9	III	26.77	2269	3260	2380	3260		
	56.7	1117	3.5	III	30.93	2264	3260	2373	3260		
	50.4	1257	3.1	III	34.80	2258	3260	2365	3260		
	46.2	1373	2.9	III	38.02	2253	3260	2358	3260		
	40.4	1568	2.5	III	43.40	2243	3260	2345	3260		
	35.4	1792	2.2	III	49.60	2229	3260	2327	3260		
	31.5	2015	2.0	III	55.80	2214	3260	2307	3260		
28.8	2202	1.8	II	60.97	2200	3260	2289	3260			
20.6	3077	1.3	I	85.18	2023	3260	2176	3260			
1.00	228.5	277	16.9	III	7.68	2488	4496	2877	4496	SK672.1 - 100SH/4 HM	93
	207.0	306	15.3	III	8.48	2487	4496	2971	4496		
	202.7	313	15.0	III	8.66	2487	4496	2992	4496		
	189.7	334	14.0	III	9.25	2487	4496	3057	4496		
	169.2	375	13.5	III	10.37	2487	4496	3173	4496		
	154.2	411	12.3	III	11.38	2486	4496	3270	4496		
	139.7	454	11.1	III	12.56	2486	4496	3372	4496		
	128.1	495	10.4	III	13.70	2485	4496	3372	4496		
	114.3	554	9.7	III	15.35	2484	4496	3372	4496		
	101.7	623	8.7	III	17.25	2482	4496	3372	4496		
	95.3	665	8.1	III	18.41	2482	4496	3372	4496		
85.1	745	7.2	III	20.62	2480	4496	3372	4496			

# NORDBLOC.1 In-Line Power Selection Tables



Motor Power $P_n$ [hp]	Output Speed $n_2$ [rpm]	Output Torque $T_2$ [lb-in]	Service Factor $f_b$	AGMA Class	Gear Ratio $i_{tot}$	Standard Bearings		Heavy Duty Bearings (VL)		Gearmotor Type	Weight [lb]
						$F_R$ OHL [lb]	$F_A$ Thrust [lb]	$F_{RVL}$ OHL [lb]	$F_{AVL}$ Thrust [lb]		
1.00	76.9	824	4.8	III	22.82	2477	4496	3372	4496	SK673.1 - 100SH/4 HM	93
	69.7	910	4.9	III	25.19	2475	4496	3372	4496		
	63.6	997	4.6	III	27.61	2472	4496	3372	4496		
	56.8	1117	4.2	III	30.92	2468	4496	3372	4496		
	51.4	1232	4.3	III	34.12	2463	4496	3372	4496		
	47.1	1345	4.2	III	37.23	2458	4496	3372	4496		
	42.2	1500	3.8	III	41.54	2450	4496	3372	4496		
	39.1	1620	3.5	III	44.85	2444	4496	3372	4496		
	35.5	1788	3.2	III	49.50	2434	4496	3372	4496		
	31.8	1991	2.8	III	55.12	2420	4496	3372	4496		
1.50	756.5	123	3.1	III	2.32	613	785	-	-	SK172.1 - 100LH/4 HM	64
	704.8	132	2.9	III	2.49	625	809	-	-		
	645.2	144	2.8	III	2.72	629	843	-	-		
	601.0	155	2.9	III	2.92	629	869	-	-		
	545.0	171	2.8	III	3.22	629	877	-	-		
	507.2	183	2.6	III	3.46	629	877	-	-		
	463.1	201	2.6	III	3.79	629	877	-	-		
	420.9	221	2.6	III	4.17	629	877	-	-		
	379.9	245	2.6	III	4.62	629	877	-	-		
	341.4	272	2.7	III	5.14	629	877	-	-		
	304.2	306	2.2	III	5.77	629	877	-	-		
	272.9	341	2.1	III	6.43	629	877	-	-		
	247.9	375	1.9	II	7.08	629	877	-	-		
	224.1	415	1.7	II	7.83	629	877	-	-		
	201.3	462	1.7	II	8.72	629	877	-	-		
179.3	519	1.5	II	9.79	629	877	-	-			
154.1	603	1.2	I	11.39	629	877	-	-			
1.50	669.8	139	5.7	III	2.62	764	1645	947	1645	SK372.1 - 100LH/4 HM	71
	613.6	152	5.3	III	2.86	782	1715	973	1715		
	562.5	165	5.4	III	3.12	801	1794	1001	1794		
	511.7	182	5.4	III	3.43	821	1883	1031	1883		
	464.3	200	5.3	III	3.78	842	1947	1064	1947		
	419.9	221	5.2	III	4.18	864	2011	1099	2011		
	376.6	247	5.0	III	4.66	887	2081	1138	2081		
	334.9	278	5.1	III	5.24	912	2159	1180	2159		
	295.0	315	4.5	III	5.95	938	2246	1228	2246		
	266.7	349	4.1	III	6.58	960	2293	1267	2293		
	254.7	365	4.1	III	6.89	962	2293	1284	2293		
	242.7	383	3.9	III	7.23	964	2293	1302	2293		
	213.5	435	3.7	III	8.22	982	2293	1354	2293		
	186.7	498	3.4	III	9.40	998	2293	1409	2293		
	170.7	545	3.1	III	10.28	1000	2293	1445	2293		
	151.9	612	2.7	III	11.55	1016	2293	1497	2293		





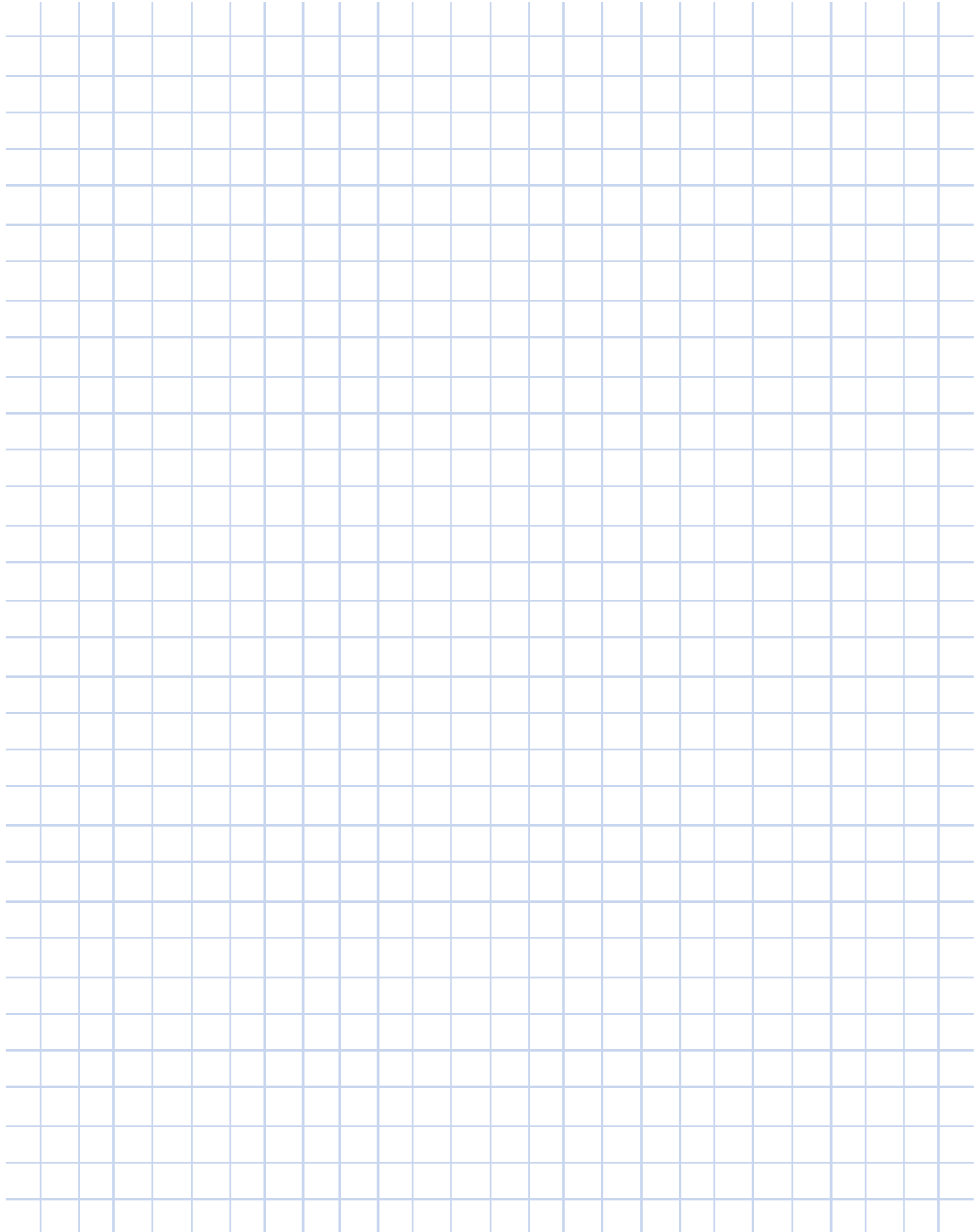
# NORDBLOC.1 In-Line Power Selection Tables

Motor Power $P_n$ [hp]	Output Speed $n_2$ [rpm]	Output Torque $T_2$ [lb-in]	Service Factor $f_b$	AGMA Class	Gear Ratio $i_{tot}$	Standard Bearings		Heavy Duty Bearings (VL)		Gearmotor Type	Weight [lb]
						$F_R$ OHL [lb]	$F_A$ Thrust [lb]	$F_{RVL}$ OHL [lb]	$F_{AVL}$ Thrust [lb]		
1.50	601.0	155	9.7	III	2.92	1373	2894	1761	2894	SK572.1 - 100LH/4 HM	88
	536.7	173	9.7	III	3.27	1421	3059	1827	3059		
	458.2	203	9.6	III	3.83	1490	3322	1924	3322		
	415.9	224	9.1	III	4.22	1534	3372	1986	3372		
	374.2	248	8.9	III	4.69	1581	3372	2054	3372		
	335.6	277	8.6	III	5.23	1632	3372	2129	3372		
	298.5	311	8.5	III	5.88	1688	3372	2212	3372		
	278.6	334	8.5	III	6.30	1724	3372	2262	3372		
	234.3	397	7.8	III	7.49	1807	3372	2392	3372		
	215.3	432	7.4	III	8.15	1842	3372	2397	3372		
	196.7	473	6.9	III	8.92	1870	3372	2396	3372		
	174.8	532	6.7	III	10.04	1929	3372	2395	3372		
	156.0	596	6.1	III	11.25	1979	3372	2393	3372		
	138.4	672	5.7	III	12.68	2032	3372	2391	3372		
	128.4	724	5.0	III	13.67	2055	3372	2389	3372		
	114.1	815	4.5	III	15.38	2112	3372	2386	3372		
	106.6	872	4.2	III	16.46	2152	3372	2383	3372		
	89.7	1037	3.5	III	19.57	2229	3372	2376	3372		
80.3	1157	3.1	III	21.85	2227	3372	2370	3372			
71.4	1302	2.8	III	24.58	2255	3372	2361	3372			
56.1	1657	2.2	III	31.28	2236	3372	2336	3372			
1.50	100.7	923	4.1	III	17.42	2114	3260	2381	3260	SK573.1 - 100LH/4 HM	88
	91.3	1018	3.7	III	19.22	2160	3260	2377	3260		
	82.3	1129	3.4	III	21.32	2206	3260	2371	3260		
	73.8	1260	3.0	III	23.79	2252	3260	2364	3260		
	65.6	1418	2.7	III	26.77	2249	3260	2354	3260		
	56.7	1639	2.4	III	30.93	2237	3260	2337	3260		
	50.4	1844	2.1	III	34.80	2224	3260	2320	3260		
	46.2	2014	2.0	III	38.02	2212	3260	2304	3260		
	40.4	2299	1.7	II	43.40	2190	3260	2274	3260		
	35.4	2628	1.5	II	49.60	2149	3260	2233	3260		
	31.5	2956	1.3	I	55.80	2048	3260	2187	3260		
	28.8	3230	1.2	I	60.97	1934	3260	2142	3260		
20.6	4512	0.9	*	85.18	1454	3260	1863	3260			
1.50	659.8	141	17.6	III	2.66	2019	3288	2019	3288	SK672.1 - 100LH/4 HM	99
	613.6	152	17.5	III	2.86	2067	3400	2067	3400		
	571.7	163	17.4	III	3.07	2117	3522	2117	3522		
	530.2	175	17.2	III	3.31	2170	3656	2170	3656		
	490.2	190	16.8	III	3.58	2227	3804	2227	3804		
	452.3	206	17.2	III	3.88	2286	3969	2286	3969		
	415.9	224	16.6	III	4.22	2351	4132	2351	4132		
380.7	244	16.3	III	4.61	2420	4253	2420	4253			

# NORDBLOC.1 In-Line Power Selection Tables



Motor Power $P_n$ [hp]	Output Speed $n_2$ [rpm]	Output Torque $T_2$ [lb-in]	Service Factor $f_b$	AGMA Class	Gear Ratio $i_{tot}$	Standard Bearings		Heavy Duty Bearings (VL)		Gearmotor Type	Weight [lb]
						$F_R$ OHL [lb]	$F_A$ Thrust [lb]	$F_{RVL}$ OHL [lb]	$F_{AVL}$ Thrust [lb]		
1.50	346.8	268	15.8	III	5.06	2488	4385	2495	4385	SK672.1 - 100LH/4 HM	99
	314.0	296	14.6	III	5.59	2488	4496	2577	4496		
	286.8	324	13.9	III	6.12	2487	4496	2653	4496		
	260.0	358	12.9	III	6.75	2487	4496	2740	4496		
	228.5	407	11.5	III	7.68	2486	4496	2857	4496		
	207.0	449	10.4	III	8.48	2485	4496	2951	4496		
	202.7	459	10.2	III	8.66	2485	4496	2970	4496		
	189.7	490	9.6	III	9.25	2485	4496	3034	4496		
	169.2	549	9.2	III	10.37	2484	4496	3148	4496		
	154.2	603	8.4	III	11.38	2483	4496	3243	4496		
	139.7	665	7.6	III	12.56	2481	4496	3348	4496		
	128.1	726	7.1	III	13.70	2480	4496	3372	4496		
	114.3	813	6.6	III	15.35	2477	4496	3372	4496		
	101.7	914	5.9	III	17.25	2474	4496	3372	4496		
	95.3	975	5.5	III	18.41	2472	4496	3372	4496		
	85.1	1092	4.9	III	20.62	2468	4496	3372	4496		
	60.4	1540	3.2	III	29.08	2447	4496	3372	4496		
53.9	1726	3.1	III	32.58	2436	4496	3372	4496			
1.50	76.9	1209	3.3	III	22.82	2463	4496	3372	4496	SK673.1 - 100LH/4 HM	101
	69.7	1334	3.3	III	25.19	2457	4496	3372	4496		
	63.6	1463	3.1	III	27.61	2451	4496	3372	4496		
	56.8	1638	2.9	III	30.92	2441	4496	3372	4496		
	51.4	1807	2.9	III	34.12	2431	4496	3372	4496		
	47.1	1972	2.9	III	37.23	2419	4496	3372	4496		
	42.2	2201	2.6	III	41.54	2402	4496	3372	4496		
	39.1	2376	2.4	III	44.85	2387	4496	3372	4496		
	35.5	2622	2.2	III	49.50	2365	4496	3365	4496		
31.8	2920	1.9	II	55.12	2334	4496	3343	4496			



# 93.1 Helical-Bevel Power Selection Tables



Motor Power $P_n$ [hp]	Output Speed	Output Torque	Service Factor	AGMA Class	Gear Ratio	Standard Unit		B5 Flange Unit		Gearmotor Type	Weight [lb]
	$n_2$	$T_2$	$f_b$			$F_R$	$F_A$	$F_{RF}$	$F_{AF}$		
	[rpm]	[lb-in]				OHL [lb]	Thrust [lb]	OHL [lb]	Thrust [lb]		
0.50	485	65	9.1	III	3.58	872	1593	730	1593	SK93072.1 - 80LH/4 HM	35
	437	72	8.4	III	3.97	902	1681	755	1681		
	373	84	6.9	III	4.65	945	1778	792	1778		
	336	93	6.4	III	5.17	977	1836	818	1836		
	298	105	6.1	III	5.83	1014	1907	849	1907		
	260	120	5.0	III	6.67	1063	1976	890	1976		
	229	137	4.7	III	7.58	1107	2023	927	2023		
	200	156	4.2	III	8.67	1124	2023	961	2023		
	176	178	3.8	III	9.85	1124	2023	1000	2023		
	156	200	2.9	III	11.11	1124	2023	1036	2023		
	136	230	2.3	III	12.78	1124	2023	1080	2023		
	108	288	2.0	III	16.00	1124	2023	1124	2023		
83.4	375	1.9	II	20.80	1124	2023	1124	2023			
0.50	485	65	12.1	III	3.58	1065	1782	855	1782	SK93172.1 - 80LH/4 HM	40
	451	69	11.4	III	3.85	1090	1841	875	1841		
	403	78	12.1	III	4.30	1114	1943	906	1943		
	355	88	10.7	III	4.89	1114	2073	945	2073		
	330	95	10.0	III	5.26	1114	2150	967	2150		
	301	104	7.8	III	5.77	1114	2245	995	2245		
	266	118	7.0	III	6.53	1113	2327	1037	2327		
	250	125	7.8	III	6.94	1113	2372	1058	2372		
	222	141	7.0	III	7.83	1113	2465	1098	2465		
	208	150	6.8	III	8.33	1113	2512	1113	2512		
	192	163	5.1	III	9.03	1113	2570	1113	2570		
	183	171	5.5	III	9.49	1112	2617	1112	2617		
	171	183	4.6	III	10.15	1112	2663	1112	2663		
	160	195	5.1	III	10.83	1112	2698	1112	2698		
	142	220	4.6	III	12.18	1111	2698	1111	2698		
	141	222	4.3	III	12.34	1111	2698	1111	2698		
	125	250	3.8	III	13.87	1110	2698	1110	2698		
	114	275	3.0	III	15.23	1109	2698	1109	2698		
83.9	373	2.5	III	20.67	1104	2698	1104	2698			
70.0	447	2.4	III	24.80	1100	2698	1100	2698			
61.4	509	1.9	II	28.24	1095	2698	1095	2698			
0.50	466	67	23.9	III	3.72	1496	2561	1151	2561	SK93372.1 - 80LH/4 HM	51
	403	78	21.2	III	4.31	1496	2740	1207	2740		
	338	92	17.7	III	5.13	1496	2980	1278	2980		
	298	105	15.9	III	5.83	1496	3180	1332	3180		
	260	120	15.1	III	6.67	1496	3372	1391	3372		
	248	126	14.1	III	7.01	1496	3372	1413	3372		
	212	148	12.5	III	8.19	1496	3372	1487	3372		
190	164	11.8	III	9.11	1495	3372	1495	3372			



# 93.1 Helical-Bevel Power Selection Tables

Motor Power $P_n$ [hp]	Output Speed $n_2$ [rpm]	Output Torque $T_2$ [lb-in]	Service Factor $f_b$	AGMA Class	Gear Ratio $i_{tot}$	Standard Unit		B5 Flange Unit		Gearmotor Type	Weight [lb]
						$F_R$ OHL [lb]	$F_A$ Thrust [lb]	$F_{RF}$ OHL [lb]	$F_{AF}$ Thrust [lb]		
0.50	170	184	8.8	III	10.22	1495	3372	1495	3372	SK93372.1 - 80LH/4 HM	51
	168	186	10.5	III	10.33	1495	3372	1495	3372		
	155	202	9.6	III	11.20	1495	3372	1495	3372		
	138	226	7.2	III	12.56	1494	3372	1494	3372		
	123	255	7.6	III	14.12	1494	3372	1494	3372		
	110	286	5.7	III	15.84	1493	3372	1493	3372		
	52.9	591	3.0	III	32.80	1483	3372	1483	3372		
	47.1	663	2.5	III	36.80	1480	3372	1480	3372		
41.8	747	2.2	III	41.46	1476	3372	1476	3372			
0.50	308	102	27.0	III	5.64	1901	3861	1810	3861	SK93672.1 - 80LH/4 HM	75
	233	134	23.0	III	7.44	1901	4450	1901	4450		
	208	150	20.6	III	8.33	1901	4496	1901	4496		
	185	169	18.6	III	9.39	1901	4496	1901	4496		
	171	183	17.5	III	10.16	1901	4496	1901	4496		
	152	205	15.6	III	11.39	1901	4496	1901	4496		
	135	231	13.9	III	12.84	1901	4496	1901	4496		
	120	260	10.8	III	14.40	1900	4496	1900	4496		
	112	280	11.5	III	15.56	1900	4496	1900	4496		
	99.4	315	8.9	III	17.46	1900	4496	1900	4496		
40.1	780	3.5	III	43.28	1889	4496	1889	4496			
35.7	875	3.2	III	48.56	1886	4496	1886	4496			
0.50	196	160	30.8	III	8.85	2351	5620	2351	5620	SK93772.1 - 80LH/4 HM	99
	154	203	25.0	III	11.28	2350	5620	2350	5620		
	139	225	23.4	III	12.50	2350	5620	2350	5620		
	126	249	21.5	III	13.79	2350	5620	2350	5620		
	113	278	20.1	III	15.42	2350	5620	2350	5620		
	102	308	18.5	III	17.08	2350	5620	2350	5620		
	92.1	340	16.7	III	18.84	2349	5620	2349	5620		
	90.5	346	16.1	III	19.17	2349	5620	2349	5620		
	82.1	381	14.6	III	21.14	2349	5620	2349	5620		
	76.8	407	14.1	III	22.59	2349	5620	2349	5620		
	70.4	444	13.1	III	24.64	2348	5620	2348	5620		
	68.5	457	12.2	III	25.34	2348	5620	2348	5620		
	62.7	498	11.2	III	27.65	2348	5620	2348	5620		
	29.1	1076	3.6	III	59.68	2336	5620	2336	5620		
25.9	1207	3.6	III	66.96	2332	5620	2332	5620			
0.75	486	96	6.1	III	3.58	866	1565	725	1565	SK93072.1 - 90SH/4 HM	46
	438	106	5.7	III	3.97	895	1648	749	1648		
	374	124	4.6	III	4.65	935	1748	783	1748		
	337	138	4.3	III	5.17	966	1803	809	1803		
	298	156	4.1	III	5.83	1001	1870	838	1870		

# 93.1 Helical-Bevel Power Selection Tables



Motor Power $P_n$	Output Speed	Output Torque	Service Factor $f_b$	AGMA Class	Gear Ratio $i_{tot}$	Standard Unit		B5 Flange Unit		Gearmotor Type	Weight [lb]
	$n_2$	$T_2$				$F_R$	$F_A$	$F_{RF}$	$F_{AF}$		
	[rpm]	[lb-in]	[lb]	[lb]	[lb]	[lb]	[lb]	[lb]			
0.75	486	96	8.1	III	3.58	1059	1761	851	1761	SK93172.1 - 90SH/4 HM	51
	452	103	7.7	III	3.85	1083	1819	870	1819		
	405	115	8.2	III	4.30	1113	1918	900	1918		
	356	131	7.2	III	4.89	1113	2044	937	2044		
	331	141	6.7	III	5.26	1113	2118	959	2118		
	302	154	5.3	III	5.77	1113	2215	986	2215		
	266	174	4.7	III	6.53	1112	2289	1028	2289		
	251	185	5.3	III	6.94	1112	2332	1048	2332		
	222	209	4.7	III	7.83	1111	2422	1086	2422		
	209	223	4.6	III	8.33	1111	2466	1107	2466		
183	254	3.7	III	9.49	1110	2565	1110	2565			
0.75	468	99	16.1	III	3.72	1496	2547	1147	2547	SK93372.1 - 90SH/4 HM	62
	404	115	14.3	III	4.31	1496	2723	1203	2723		
	339	137	11.9	III	5.13	1496	2959	1272	2959		
	298	156	10.7	III	5.83	1495	3155	1326	3155		
	261	178	10.2	III	6.67	1495	3362	1384	3362		
	248	187	9.5	III	7.01	1495	3372	1404	3372		
	212	219	8.4	III	8.19	1494	3372	1477	3372		
	191	243	7.9	III	9.11	1494	3372	1494	3372		
	170	273	6.0	III	10.22	1493	3372	1493	3372		
	168	276	7.1	III	10.33	1493	3372	1493	3372		
	155	299	6.4	III	11.20	1493	3372	1493	3372		
	139	336	4.9	III	12.56	1492	3372	1492	3372		
	123	377	5.1	III	14.12	1491	3372	1491	3372		
	110	423	3.8	III	15.84	1489	3372	1489	3372		
	95	490	3.3	III	18.33	1487	3372	1487	3372		
	87	535	3.6	III	20.04	1485	3372	1485	3372		
	77	601	2.7	III	22.49	1482	3372	1482	3372		
	69	669	2.9	III	25.06	1479	3372	1479	3372		
62	751	2.2	III	28.11	1475	3372	1475	3372			
53	876	2.0	III	32.80	1467	3372	1467	3372			
47	983	1.7	II	36.80	1459	3372	1459	3372			
0.75	309	151	18.2	III	5.64	1901	3845	1805	3845	SK93672.1 - 90SH/4 HM	84
	234	199	15.5	III	7.44	1901	4426	1901	4426		
	209	223	13.9	III	8.33	1901	4496	1901	4496		
	185	251	12.5	III	9.39	1900	4496	1900	4496		
	171	271	11.8	III	10.16	1900	4496	1900	4496		
	153	304	10.5	III	11.39	1900	4496	1900	4496		
	136	343	9.4	III	12.84	1899	4496	1899	4496		
	121	385	7.3	III	14.40	1898	4496	1898	4496		
112	416	7.7	III	15.56	1898	4496	1898	4496			



# 93.1 Helical-Bevel Power Selection Tables

Motor Power $P_n$ [hp]	Output Speed $n_2$ [rpm]	Output Torque $T_2$ [lb-in]	Service Factor $f_b$	AGMA Class	Gear Ratio $i_{tot}$	Standard Unit		B5 Flange Unit		Gearmotor Type	Weight [lb]
						$F_R$ OHL [lb]	$F_A$ Thrust [lb]	$F_{RF}$ OHL [lb]	$F_{AF}$ Thrust [lb]		
0.75	99.7	466	6.0	III	17.46	1897	4496	1897	4496	SK93672.1 - 90SH/4 HM	84
	87.0	534	5.2	III	20.00	1896	4496	1896	4496		
	63.7	730	4.4	III	27.33	1890	4496	1890	4496		
	56.7	819	3.4	III	30.67	1887	4496	1887	4496		
	51.6	901	3.6	III	33.71	1884	4496	1884	4496		
	46.0	1010	2.8	III	37.82	1880	4496	1880	4496		
	40.2	1156	2.3	III	43.28	1873	4496	1873	4496		
35.8	1297	2.2	III	48.56	1865	4496	1865	4496			
0.75	197	236	20.8	III	8.85	2350	5620	2350	5620	SK93772.1 - 90SH/4 HM	110
	154	301	16.9	III	11.28	2350	5620	2350	5620		
	139	334	15.8	III	12.50	2349	5620	2349	5620		
	126	368	14.5	III	13.79	2349	5620	2349	5620		
	113	412	13.6	III	15.42	2349	5620	2349	5620		
	102	456	12.5	III	17.08	2348	5620	2348	5620		
	92.4	503	11.3	III	18.84	2348	5620	2348	5620		
	90.8	512	10.9	III	19.17	2347	5620	2347	5620		
	82.3	565	9.9	III	21.14	2347	5620	2347	5620		
	77.0	604	9.5	III	22.59	2346	5620	2346	5620		
	70.6	658	8.8	III	24.64	2345	5620	2345	5620		
	68.7	677	8.2	III	25.34	2345	5620	2345	5620		
	62.9	739	7.5	III	27.65	2344	5620	2344	5620		
	40.1	1161	4.8	III	43.44	2333	5620	2333	5620		
	37.1	1253	3.6	III	46.92	2330	5620	2330	5620		
33.1	1406	3.6	III	52.64	2325	5620	2325	5620			
29.2	1594	2.4	III	59.68	2317	5620	2317	5620			
26.0	1789	2.4	III	66.96	2309	5620	2309	5620			
1.00	33.5	129	4.5	III	3.58	855	1524	716	1524	SK93072.1 - 100SH/4 HM	60
	30.2	143	4.2	III	3.97	883	1602	740	1602		
	25.8	168	3.4	III	4.65	920	1710	771	1710		
	23.2	187	3.2	III	5.17	949	1761	795	1761		
	20.6	211	3.0	III	5.83	982	1825	823	1825		
1.00	490	129	6.0	III	3.58	1047	1727	841	1727	SK93172.1 - 100SH/4 HM	64
	456	139	5.7	III	3.85	1071	1782	860	1782		
	408	155	6.0	III	4.30	1107	1878	889	1878		
	359	177	5.4	III	4.89	1112	1998	925	1998		
	334	190	5.0	III	5.26	1112	2069	946	2069		
	304	208	3.9	III	5.77	1111	2170	972	2170		
	269	236	3.5	III	6.53	1110	2241	1013	2241		
	253	251	3.9	III	6.94	1110	2280	1032	2280		
	224	283	3.5	III	7.83	1109	2366	1068	2366		
	211	301	3.4	III	8.33	1108	2408	1088	2408		

# 93.1 Helical-Bevel Power Selection Tables



Motor Power $P_n$	Output Speed $n_2$	Output Torque $T_2$	Service Factor $f_b$	AGMA Class	Gear Ratio $i_{tot}$	Standard Unit		B5 Flange Unit		Gearmotor Type	Weight [lb]
						$F_R$	$F_A$	$F_{RF}$	$F_{AF}$		
						OHL [lb]	Thrust [lb]	OHL [lb]	Thrust [lb]		
<b>1.00</b>	472	134	11.9	III	3.72	1496	2514	1137	2514	<b>SK93372.1 - 100SH/4 HM</b>	75
	407	156	10.6	III	4.31	1495	2685	1192	2685		
	342	185	8.8	III	5.13	1495	2913	1260	2913		
	301	211	7.9	III	5.83	1495	3102	1312	3102		
	263	241	7.5	III	6.67	1494	3317	1369	3317		
	250	253	7.0	III	7.01	1494	3372	1387	3372		
	214	296	6.2	III	8.19	1493	3372	1460	3372		
	193	329	5.9	III	9.11	1492	3372	1492	3372		
	172	369	4.4	III	10.22	1491	3372	1491	3372		
	157	405	4.8	III	11.20	1490	3372	1490	3372		
140	454	3.6	III	12.56	1489	3372	1489	3372			
<b>1.00</b>	311	204	13.5	III	5.64	1901	3797	1791	3797	<b>SK93672.1 - 100SH/4 HM</b>	97
	263	241	11.6	III	6.68	1900	4360	1900	4360		
	211	301	10.3	III	8.33	1900	4496	1900	4496		
	187	339	9.3	III	9.39	1899	4496	1899	4496		
	173	367	8.8	III	10.16	1899	4496	1899	4496		
	154	411	7.8	III	11.39	1898	4496	1898	4496		
	137	464	6.9	III	12.84	1897	4496	1897	4496		
	122	520	5.4	III	14.40	1896	4496	1896	4496		
	113	562	5.7	III	15.56	1895	4496	1895	4496		
	101	631	4.4	III	17.46	1894	4496	1894	4496		
96.4	658	4.7	III	18.21	1894	4496	1894	4496			
70.5	899	3.6	III	24.88	1894	4496	1894	4496			
<b>1.00</b>	198	320	15.4	III	8.85	2350	5620	2350	5620	<b>SK93772.1 - 100SH/4 HM</b>	123
	156	407	12.5	III	11.28	2349	5620	2349	5620		
	140	451	11.7	III	12.50	2348	5620	2348	5620		
	127	498	10.8	III	13.79	2348	5620	2348	5620		
	114	557	10.0	III	15.42	2347	5620	2347	5620		
	103	617	9.3	III	17.08	2346	5620	2346	5620		
	93.2	680	8.3	III	18.84	2345	5620	2345	5620		
	91.5	692	8.1	III	19.17	2345	5620	2345	5620		
	83.0	764	7.3	III	21.14	2344	5620	2344	5620		
	77.7	816	7.1	III	22.59	2343	5620	2343	5620		
69.3	915	6.1	III	25.34	2340	5620	2340	5620			
<b>1.50</b>	33.5	190	3.1	III	3.58	838	1457	702	1457	<b>SK93072.1 - 100LH/4 HM</b>	68
	30.2	210	2.9	III	3.97	864	1525	724	1525		
	25.8	246	2.3	III	4.65	895	1644	750	1644		
	23.2	274	2.2	III	5.17	922	1688	772	1688		
	20.6	309	2.1	III	5.83	951	1744	797	1744		





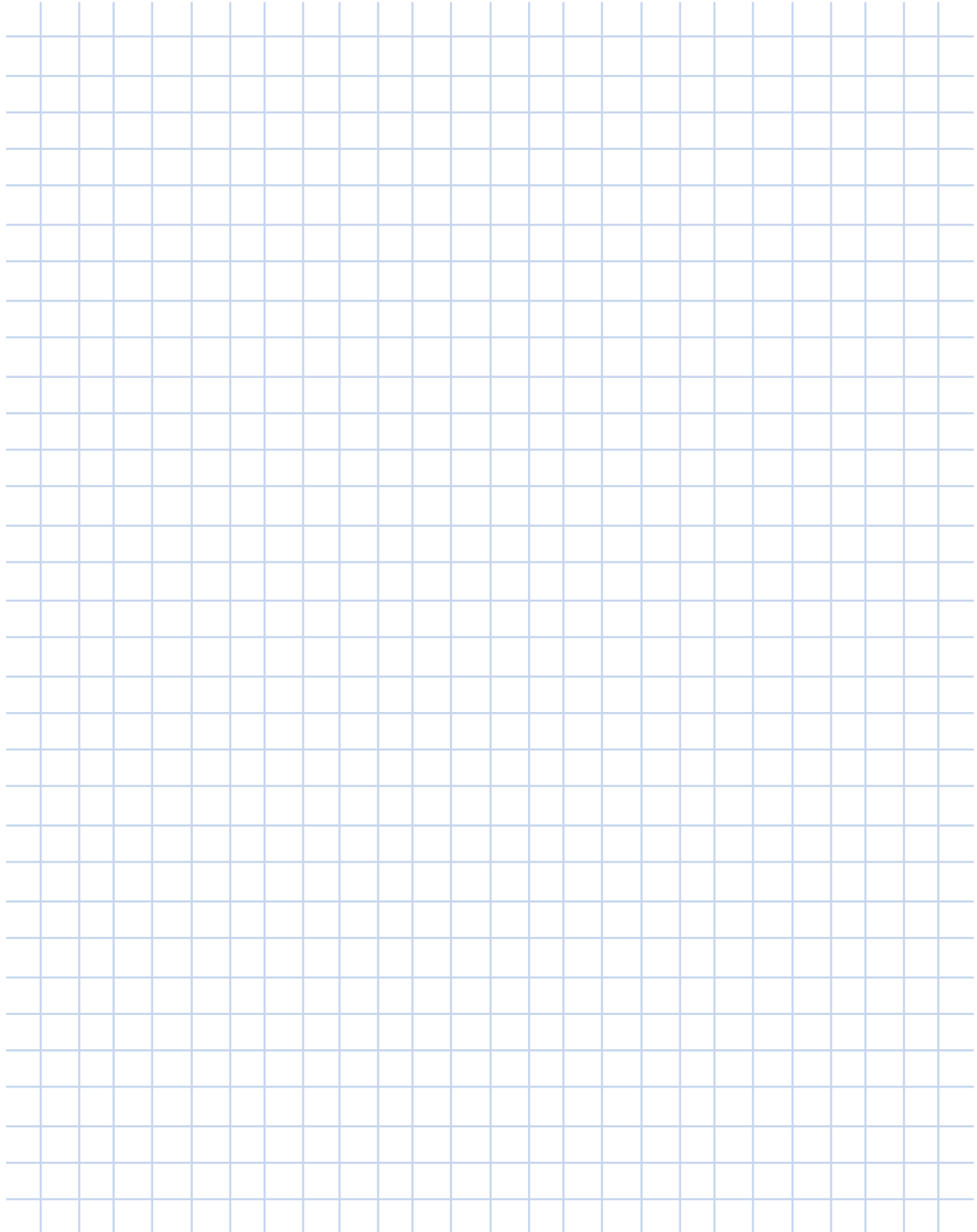
# 93.1 Helical-Bevel Power Selection Tables

Motor Power $P_n$ [hp]	Output Speed $n_2$ [rpm]	Output Torque $T_2$ [lb-in]	Service Factor $f_b$	AGMA Class	Gear Ratio $i_{tot}$	Standard Unit		B5 Flange Unit		Gearmotor Type	Weight [lb]
						$F_R$ OHL [lb]	$F_A$ Thrust [lb]	$F_{RF}$ OHL [lb]	$F_{AF}$ Thrust [lb]		
1.50	490	190	4.1	III	3.58	1030	1673	827	1673	SK93172.1 - 100LH/4 HM	73
	456	204	3.9	III	3.85	1053	1724	846	1724		
	408	228	4.1	III	4.30	1086	1814	872	1814		
	359	259	3.7	III	4.89	1109	1926	905	1926		
	334	279	3.4	III	5.26	1109	1989	925	1989		
	304	306	2.7	III	5.77	1107	2082	949	2082		
	269	346	2.4	III	6.53	1105	2156	989	2156		
	253	368	2.6	III	6.94	1104	2190	1006	2190		
	224	415	2.4	III	7.83	1101	2269	1038	2269		
211	441	2.3	III	8.33	1100	2304	1056	2304			
1.50	472	197	8.1	III	3.72	1495	2468	1124	2468	SK93372.1 - 100LH/4 HM	84
	407	228	7.2	III	4.31	1494	2630	1177	2630		
	342	272	6.0	III	5.13	1494	2847	1242	2847		
	301	309	5.4	III	5.83	1493	3024	1292	3024		
	263	353	5.1	III	6.67	1492	3231	1346	3231		
	250	371	4.8	III	7.01	1491	3307	1362	3307		
	214	434	4.2	III	8.19	1489	3372	1432	3372		
	193	483	4.0	III	9.11	1488	3372	1473	3372		
	172	541	3.0	III	10.22	1485	3372	1485	3372		
157	593	3.3	III	11.20	1483	3372	1483	3372			
140	665	2.4	III	12.56	1480	3372	1480	3372			
1.50	403	231	12.1	III	4.36	1901	3323	1633	3323	SK93672.1 - 100LH/4 HM	108
	311	299	9.2	III	5.64	1900	3733	1772	3733		
	263	354	7.9	III	6.68	1899	4067	1865	4067		
	236	394	7.8	III	7.44	1898	4272	1898	4272		
	211	441	7.0	III	8.33	1898	4465	1898	4465		
	187	497	6.3	III	9.39	1896	4496	1896	4496		
	173	538	6.0	III	10.16	1896	4496	1896	4496		
	154	603	5.3	III	11.39	1894	4496	1894	4496		
	137	680	4.7	III	12.84	1892	4496	1892	4496		
	122	763	3.7	III	14.40	1889	4496	1889	4496		
	113	824	3.9	III	15.56	1887	4496	1887	4496		
	101	925	3.0	III	17.46	1883	4496	1883	4496		
	96.4	965	3.2	III	18.21	1882	4496	1882	4496		
70.5	1318	2.4	III	24.88	1865	4496	1865	4496			
1.50	343	271	16.5	III	5.12	2350	4521	2229	4521	SK93772.1 - 100LH/4 HM	132
	244	380	12.7	III	7.18	2349	5305	2349	5305		
	198	469	10.5	III	8.85	2348	5620	2348	5620		
	179	520	9.9	III	9.81	2347	5620	2347	5620		

# 93.1 Helical-Bevel Power Selection Tables



Motor Power $P_n$ [hp]	Output Speed $n_2$ [rpm]	Output Torque $T_2$ [lb-in]	Service Factor $f_b$	AGMA Class	Gear Ratio $i_{tot}$	Standard Unit		B5 Flange Unit		Gearmotor Type	Weight [lb]
						$F_R$ OHL [lb]	$F_A$ Thrust [lb]	$F_{RF}$ OHL [lb]	$F_{AF}$ Thrust [lb]		
1.50	156	598	8.5	III	11.28	2346	5620	2346	5620	SK93772.1 - 100LH/4 HM	132
	140	662	8.0	III	12.50	2345	5620	2345	5620		
	127	731	7.3	III	13.79	2344	5620	2344	5620		
	114	817	6.8	III	15.42	2342	5620	2342	5620		
	103	905	6.3	III	17.08	2340	5620	2340	5620		
	93.2	998	5.7	III	18.84	2338	5620	2338	5620		
	91.5	1016	5.5	III	19.17	2338	5620	2338	5620		
	83.0	1120	5.0	III	21.14	2335	5620	2335	5620		
	77.7	1197	4.8	III	22.59	2332	5620	2332	5620		
	69.3	1342	4.2	III	25.34	2328	5620	2328	5620		
	50.1	1856	3.1	III	35.04	2306	5620	2306	5620		
	44.6	2083	2.7	III	39.32	2295	5620	2295	5620		



# MINICASE™ SMID Worm Power Selection Tables



Motor Power $P_n$ [hp]	Output Speed	Output Torque	Service Factor	AGMA Class	Gear Ratio	Standard Bearings		Heavy Duty Bearings (VL)		Gearmotor Type	Weight [lb]
	$n_2$	$T_2$	$f_b$			$F_R$	$F_A$	$F_{RVL}$	$F_{AVL}$		
	[rpm]	[lb-in]				OHL [lb]	Thrust [lb]	OHL [lb]	Thrust [lb]		
0.50	347	81	4.2	III	5	590	414	-	-	SK1SMID40 - 80LH/4 HM	28
	231	116	3.4	III	7.5	673	414	-	-		
	174	151	2.5	III	10	720	414	-	-		
	139	184	2.0	III	12.5	720	414	-	-		
	116	207	2.1	III	15	720	414	-	-		
	86.8	262	1.5	II	20	720	412	-	-		
	69.4	313	1.2	I	25	720	410	-	-		
	57.8	332	1.3	I	30	720	410	-	-		
	43.4	407	1.0	I	40	720	407	-	-		
34.7	472	0.8	*	50	720	403	-	-			
0.50	347	83	7.0	III	5	1080	821	-	-	SK1SMID50 - 80LH/4 HM	32
	231	119	5.8	III	7.5	1080	844	-	-		
	174	156	4.3	III	10	1080	842	-	-		
	139	191	3.3	III	12.5	1080	842	-	-		
	116	218	3.5	III	15	1080	842	-	-		
	86.8	313	2.3	III	20	1080	842	-	-		
	69.4	336	2.0	III	25	1080	842	-	-		
	57.8	360	2.2	III	30	1080	842	-	-		
	43.4	443	1.7	II	40	1080	839	-	-		
	34.7	518	1.3	I	50	1080	837	-	-		
28.9	589	1.1	I	60	1080	837	-	-			
21.7	697	0.9	*	80	1080	835	-	-			
0.50	347	84	12.4	III	5	1260	560	-	-	SK1SMID63 - 80LH/4 HM	32
	231	121	10.2	III	7.5	1260	560	-	-		
	174	160	7.4	III	10	1260	560	-	-		
	139	198	5.8	III	12.5	1260	560	-	-		
	116	226	6.1	III	15	1260	560	-	-		
	86.8	291	4.4	III	20	1260	560	-	-		
	69.4	348	3.4	III	25	1260	560	-	-		
	57.8	381	3.7	III	30	1260	560	-	-		
	43.4	480	2.7	III	40	1260	560	-	-		
	34.7	563	2.2	III	50	1240	560	-	-		
	28.9	652	1.8	II	60	1240	560	-	-		
	21.7	770	1.4	II	80	1240	560	-	-		
	17.4	890	1.1	I	100	1210	540	-	-		



# MINICASE™ SMID Worm Power Selection Tables

Motor Power $P_n$ [hp]	Output Speed $n_2$ [rpm]	Output Torque $T_2$ [lb-in]	Service Factor $f_b$	AGMA Class	Gear Ratio $i_{tot}$	Standard Bearings		Heavy Duty Bearings (VL)		Gearmotor Type	Weight [lb]
						$F_R$ OHL [lb]	$F_A$ Thrust [lb]	$F_{RVL}$ OHL [lb]	$F_{AVL}$ Thrust [lb]		
0.75	348	124	4.7	III	5	1080	817	-	-	SK1SMID50 - 90SH/4 HM	42
	232	179	3.9	III	7.5	1080	842	-	-		
	174	234	2.8	III	10	1080	842	-	-		
	139	295	2.2	III	12.5	1080	842	-	-		
	116	326	2.4	III	15	1080	842	-	-		
	87.0	418	1.7	II	20	1080	839	-	-		
	69.6	503	1.3	I	25	1080	839	-	-		
	58.0	538	1.5	II	30	1080	837	-	-		
	43.5	663	1.1	I	40	1080	835	-	-		
34.8	788	0.9	*	50	1080	833	-	-			
0.75	348	125	8.4	III	5	1418	779	-	-	SK1SMID63 - 90SH/4 HM	44
	232	181	6.8	III	7.5	1418	779	-	-		
	174	239	5.0	III	10	1418	779	-	-		
	139	295	3.9	III	12.5	1418	779	-	-		
	116	338	4.1	III	15	1418	779	-	-		
	87.0	435	2.9	III	20	1418	776	-	-		
	69.6	523	2.3	III	25	1418	774	-	-		
	58.0	571	2.5	III	30	1418	774	-	-		
	43.5	717	1.8	II	40	1418	772	-	-		
	34.8	842	1.4	II	50	1418	767	-	-		
	29.0	962	1.2	I	60	1418	763	-	-		
	21.8	1152	0.9	*	80	1418	756	-	-		

# Performance Data for HM/HMT PE – 230/460V & 332/575V - 60Hz



Inverter duty • TENV  
Synchronous speed 1800rpm @ 60Hz • 4-pole • Three-phase  
Voltages: 230/460V & 332/575– 60Hz • 1.15 Service Factor  
S1 Continuous Duty • 40°C Ambient • up to 3300ft Elevation  
Class B temperature rise • Class F insulation

## Premium Efficient - 230/460V - 60Hz

Motor Type	P <sub>n</sub> Full Load Power		N <sub>n</sub> Full-Load Speed	I <sub>n</sub> Full-Load Current	I <sub>a</sub> /I <sub>n</sub> Locked Rotor Current Ratio	T <sub>n</sub> Full-Load Torque	T <sub>a</sub> /T <sub>n</sub> Locked Rotor Torque Ratio	T <sub>k</sub> /T <sub>n</sub> Break Down Torque Ratio	pf Power Factor	η Efficiency			J <sub>m</sub> Motor Inertia
				230/460V						1/2	3/4	4/4	
	[hp]	[kW]	[rpm]	[A]	[%]	[lb-in]				[%]	[%]	[%]	
80 LH/4 HM or HMT	0.50	0.37	1735	1.78 / 0.89	650	17.97	4.2	4.3	0.68	69.8	75.6	78.2	0.045
90 SH/4 HM or HMT	0.75	0.55	1740	2.28 / 1.14	820	26.64	4.3	4.9	0.75	73.7	78.9	81.1	0.081
100 SH/4 HM or HMT	1.0	0.75	1755	2.94 / 1.47	880	36.11	4.2	4.9	0.78	79.9	83.9	85.5	0.142
100 LH/4 HM or HMT	1.5	1.1	1755	4.20 / 2.10	910	53.10	4.6	5.1	0.76	81.4	85.1	86.5	0.178

## Premium Efficient - 332/575V- 60Hz

Motor Type	P <sub>n</sub> Full Load Power		N <sub>n</sub> Full-Load Speed	I <sub>n</sub> Full-Load Current	I <sub>a</sub> /I <sub>n</sub> Locked Rotor Current Ratio	T <sub>n</sub> Full-Load Torque	T <sub>a</sub> /T <sub>n</sub> Locked Rotor Torque Ratio	T <sub>k</sub> /T <sub>n</sub> Break Down Torque Ratio	pf Power Factor	η Efficiency			J <sub>m</sub> Motor Inertia
				332/575V						1/2	3/4	4/4	
	[hp]	[kW]	[rpm]	[A]	[%]	[lb-in]				[%]	[%]	[%]	
80 LH/4 HM or HMT	0.50	0.37	1735	1.23 / 0.71	650	17.97	4.2	4.3	0.68	69.8	75.6	78.2	0.045
90 SH/4 HM or HMT	0.75	0.55	1740	1.58 / 0.91	820	26.64	4.3	4.9	0.75	73.7	78.9	81.1	0.081
100 SH/4 HM or HMT	1.0	0.75	1755	2.04 / 1.18	880	36.11	4.2	4.9	0.78	79.9	83.9	85.5	0.142
100 LH/4 HM or HMT	1.5	1.1	1755	2.96 / 1.71	910	53.10	4.6	5.1	0.76	81.4	85.1	86.5	0.178



## UNICASE™ SPEED REDUCERS



### HELICAL IN-LINE

- Foot or Flange Mount
- Torque up to 205,000 lb-in
- Gear ratios – 1.82:1 to over 300,000:1



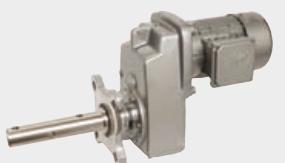
### NORDBLOC®.1 HELICAL IN-LINE

- Foot or Flange Mount
- Torque up to 26,550 lb-in
- Gear ratios – 1.88:1 to over 370:1



### PARALLEL HELICAL CLINCHER™

- Shaft, Flange or Foot Mount
- Torque up to 797,000 lb-in
- Gear ratios – 4.26:1 to over 300,000:1



### SCP SCREW CONVEYOR PACKAGE

- Shaft, or Flange Mount
- Torque up to 53,100 lb-in
- Gear ratios – 4.32:1 to over 1500:1



### RIGHT ANGLE

### HELICAL-BEVEL 2-STAGE

- Foot, Flange or Shaft Mount
- Torque up to 5,840 lb-in
- Gear ratios – 4.1:1 to 70:1



### RIGHT ANGLE HELICAL-BEVEL

- Foot, Flange or Shaft Mount
- Torque up to 283,000 lb-in
- Gear ratios – 8.04:1 to over 300,000:1



### RIGHT ANGLE HELICAL-WORM

- Foot, Flange or Shaft Mount
- Torque up to 27,585 lb-in
- Gear ratios – 4.40:1 to over 300,000:1

## HIGH PERFORMANCE MOTORS & BRAKEMOTORS



### INVERTER/VECTOR DUTY

- Standard or Energy Efficient
- Integral, NEMA or Metric IEC
- 1/6 to 250 hp

## UNICASE™ SPEED REDUCERS



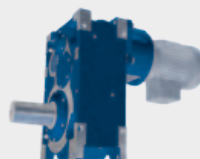
### MINICASE™ RIGHT ANGLE WORM

- Foot, Flange or Shaft Mount
- Torque up to 3,540 lb-in
- Gear ratios – 5:1 to 500:1



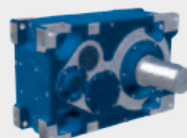
### FLEXBLOC™ WORM

- Modular bolt-on options
- Torque up to 4,683 lb-in
- Gear ratios – 5:1 to 3,000:1



### MAXXDRIVE™ LARGE INDUSTRIAL GEAR UNITS PARALLEL HELICAL

- Modular bolt-on options
- Torque up to 2,027,000 lb-in
- Gear ratios – 5:1 to 1,600:1



### MAXXDRIVE™ LARGE INDUSTRIAL GEAR UNITS HELICAL-BEVEL

- Modular bolt-on options
- Torque up to 2,027,000 lb-in
- Gear ratios – 5:1 to 1,600:1

## NORDAC AC VECTOR DRIVES



### SK180E FAMILY

- Distributed, simple speed control
- 380-480V, 3-phase to 3.0 hp
- 200-240V, 3-phase to 1.5 hp
- 200-240V, 1-phase to 1.5 hp
- 100-120V, 1-phase to 0.75 hp



### SK200E FAMILY

- Distributed, high performance
- 380-480V, 3-phase to 30 hp
- 200-240V, 3-phase to 15 hp
- 200-240V, 1-phase to 1.5 hp
- 100-120V, 1-phase to 1 hp



### SK500E FAMILY

- Compact, cabinet mount, high performance
- 380-480V, 3-phase, to 125 hp
- 200-240V, 3-phase, to 25 hp
- 200-240V, 1-phase, to 3 hp
- 100-120V, 1-phase, to 1.5 hp

## Global Vision, Local Support

NORD makes its wide product range easily available through a global network that includes representation in over 60 countries. By providing all of our customers with prompt delivery, and expert support services, we are firmly committed to exceeding customer expectations and being responsive to the ideas and specifications of every customer, anywhere in the world.





**Global Presence**

Allows for short lead times and quick response times throughout the world.

**Modular Design**

More than 20 million totally unique product combinations guarantees that you won't need to look anywhere else.

**Quality Manufacturing**

NORD produces maintenance free products that have a long life in order to save you money for the long haul.

**Dependable Service**

With emergency service available 24/7 we can help you out when you need us most.

**Innovative Products**

Our engineers are hard at work creating solutions to everyday problems.

**We Have you Covered**

NORD provides Gear Drives, Motors & AC inverters in order to provide you with a complete Drivesystem solution.



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