DISTRIBUTOR ASSEMBLY PROGRAMME (D.A.P)
NORDBLOC.1® HELICAL-INLINE

Highlights of the Distributor Assembly Programme
- Modular structural concept designed for distributors
- Local availability of gear unit components
- Maximum flexibility through possible combinations of modules
- Simplified installation through prefabricated gear unit modules
- Shorter delivery times and less required storage places
- Installation without pressing or lifting tools possible
- Large speed ratio and torque range

Performance specifications
Configuration: Helical gear units
Motor output kW: (min/max) 0.12 – 4
Motor output HP: (min/max) 0.16 – 5
Number of gear stages: 2 – 3

Speed ratios, speeds
Smallest standard speed ratio: 4.17:1
Largest standard speed ratio: 115.01:1
Output speed (50Hz): 12 – 343 rpm
Output speed (60Hz): 15 – 417 rpm

Installation types
Housing with foot mounting: Standard
Optional flange mounting: Foot/B5 flange
External diameter, B5 flange: [mm] 120 - 200
External diameter, B5 flange: [Inch] 4.72 - 7.87

Options
- IEC
- NEMA

<table>
<thead>
<tr>
<th>Type</th>
<th>Speed ratio range</th>
<th>Max. input power*</th>
<th>Max torque*</th>
<th>Solid shaft</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min.</td>
<td>Max.</td>
<td>[kW]</td>
<td>[HP]</td>
</tr>
<tr>
<td>SK 172.1</td>
<td>4.17</td>
<td>70.00</td>
<td>1.3</td>
<td>2</td>
</tr>
<tr>
<td>SK 372.1</td>
<td>5.95</td>
<td>16.53</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>SK 373.1</td>
<td>19.85</td>
<td>94.72</td>
<td>1.5</td>
<td>2</td>
</tr>
<tr>
<td>SK 572.1</td>
<td>6.30</td>
<td>16.46</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>SK 573.1</td>
<td>22.36</td>
<td>115.01</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>SK 672.1</td>
<td>6.09</td>
<td>18.41</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>SK 673.1</td>
<td>23.73</td>
<td>103.48</td>
<td>4</td>
<td>5</td>
</tr>
</tbody>
</table>

* May vary depending on the speed ratio
Housings
- One-piece (UNICASE) housing
- Corrosion-resistant aluminium alloy
- High precision machining in a single step
- Precise alignment of shafts and gears

Gear wheels
- Gear wheel quality up to AGMA Class 13
- Own high performance hardening facility
- 275% momentary overload possible
- Case-hardened steel
- Typical gear wheel hardness 58 Rockwell C/720 HV

Shafts
- Drive and output shafts made from AISI 1015 or 4140
- Metric parallel key groove dimensions according to DIN 6885
- Inch-based parallel key groove dimensions according to DIN 6885
- Standard output shaft with threaded hole
- Customised shaft designs and materials

Bearings
- ABEC-1/P0 quality bearings
- Large output bearings
- High radial and axial loads possible

Installation
- Frictional and keyed torque transfer
- Standard reversing operation possible

Product options
**Motors**
- Motors: 0.12 – 4 kW
  0.16 – 5 HP
- IEC adapter: IEC 63 – IEC112
- NEMA adapter: 56C – N180TC

**Lubricants**
- ISO VG220 standard mineral oil
- Food-compatible or synthetic oil optional

**Shaft seals**
- NBR shaft sealing rings

**Motors**
- Motors: 0.12 – 4 kW
  0.16 – 5 HP
- IEC adapter: IEC 63 – IEC112
- NEMA adapter: 56C – N180TC

**Lubricants**
- ISO VG220 standard mineral oil
- Food-compatible or synthetic oil optional

**Shaft seals**
- NBR shaft sealing rings

NORD DRIVESYSTEMS Group
- Family business from Bargteheide near Hamburg with 4,000 employees
- Drive solutions for more than 100 branches of industry
- 7 production locations worldwide
- Present in 98 countries on 5 continents
- More information: www.nord.com

Headquarters:
Getriebebau NORD GmbH & Co. KG
Getriebebau-Nord-Str. 1
22941 Bargteheide, Germany
T +49 4532 289 0, F +49 4532 289 2253
info@nord.com

Member of the NORD DRIVESYSTEMS Group