

Catalog designation

FA157/GR97AMS100

Parallel-shaft helical gear units F.. + Helical gear units R..

Product data

| | |
|--|--|
| Speed | [1/min] : 1400 / 0.44 |
| Overall gear ratio | : 3210.00 |
| Output torque Mamax | [Nm] : 20000 |
| Mounting position | : M2 |
| Base / top coat | : 5015 Sky blue (55250150) |
| Hollow shaft | [mm] : 120 |
| Design type | : Hollow shaft |
| Bore on input side (D1 x L1) | [mm] : 28 x 60 |
| Adapter flange diameter (G5) | [mm] : 250 |
| Lubricant quantity 1st gear unit | [Liter] : 105.5 |
| Lubricant quantity 2nd gear unit | [Liter] : 11.9 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 25.46 |
| Weight | [kg] : 888.00 |

Additional feature

Oil sight glass 1 oil sight glass
Oil sight glass 1 oil sight glass
Standard
Reinforced bearings: Without
2 off rubber buffers for the torque arm
Corrosion protection
Surface protection OS2 (medium environmental pollution)
Color: 5015 Sky blue (55250150)
Quantity Two oil seals
Material Oil seal Adapter NORMAL (Standard)

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You can find the exact net weight on the order confirmation. For technical reasons, the real weight may differ from this information.

DC Version 25.4 SP1

Created on: 8/27/2025 8:50:41 AM CEST/ LT2KUNAR

Information

This product
- is a special design

Catalog designation

KA107 AL180
Bevel-helical gear units K..

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Reference data

Transaction : 77243217
Item : 100
Serial number : 64.7724321701.0002X19

Product data

Speed [r/min] : 1400 / 96
Total ratio [i] : 14,64 / infinite
Ma max [Nm] : 3.040
Mounting position : M4A
Oil manufacturer designation : Mobil SHC 630
Lubricant / -volume [l] : CLP HC 220 Synth.Oil / 31,00
Corrosion protection : Yes
Surface protection : OS2 to technical data sheet
01802_94
Paint coat : Top coat RAL5015 (sky blue)

Gear unit : KA107
Ma max G [Nm] : 6890
Hollow shaft : 90mm
Design : Hollow shaft
Safety cover : None
Output oil seal : 2 oil seals
Documentation no. A : 25803662 28481607
Parts list : 382691795 / 0

Adapter : AL180
Coupling/bore D1 : w/o hole
Special design coupling : Adapter without coupling SEW
code 070
Parts list : 232810499 / - / - / - / -

Nameplate : English
Nameplate position : Attached to the gear unit
Opera.instr. A lang./quantity : Finnish / 0
Parts list/language/quantity : English / 0
Commodity code : 84834023
Weight : 298.00 kg

Catalog designation

KA107/TAMS160
Bevel-helical gear units K..

Product data

| | |
|--|---|
| Speed | [1/min] : 1400 / 53 |
| Overall gear ratio | : 26.32 |
| Output torque Mamax | [Nm] : 4760 |
| Mounting position | : M4A |
| Base / top coat | : 5015 Sky blue (55450150) |
| Hollow shaft | [mm] : 90 |
| Design type | : Hollow shaft |
| Bore on input side (D1 x L1) | [mm] : 42 x 110 |
| Adapter flange diameter (G5) | [mm] : 350 |
| Lubricant quantity 1st gear unit | [Liter] : 31.5 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 142.32 |
| Weight | [kg] : 314.80 |

Additional feature

Standard
Reinforced bearings: Without
T- Torque arm for shaft mount feature without mounting hardware
Corrosion protection
Surface protection OS4 (very high environmental pollution)
Lubricant: CLP HC 150 (-30 / +50 °C): 31.5 Liter
Color: 5015 Sky blue (55450150)
Material Oil seal Adapter NORMAL (Standard)

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DC Version 25.4 SP1

Created on: 8/27/2025 9:09:40 AM CEST/ LT2KUNAR

Catalog designation

KA47AMS71

Bevel-helical gear units K..

Product data

| | |
|--|---|
| Speed | [1/min] : 1400 / 11 |
| Overall gear ratio | : 131.87 |
| Output torque Mamax | [Nm] : 450 |
| Mounting position | : M1B |
| Base / top coat | : 5015 Sky blue (55350150) |
| Hollow shaft | [mm] : 35 |
| Design type | : Hollow shaft |
| Bore on input side (D1 x L1) | [mm] : 14 x 30 |
| Adapter flange diameter (G5) | [mm] : 160 |
| Lubricant quantity 1st gear unit | [Liter] : 0.8 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 0.63 |
| Weight | [kg] : 21.00 |

Additional feature

Reinforced bearings: Without

Corrosion protection

Surface protection OS3 (high environmental pollution)

Lubricant: CLP HC 150 (-30 / +50 °C): 0.8 Liter

Color: 5015 Sky blue (55350150)

Material Oil seal Adapter NORMAL (Standard)

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DC Version 25.4 SP1

Created on: 8/27/2025 9:14:17 AM CEST/ LT2KUNAR

Catalog designation

KA57AMS90

Bevel-helical gear units K..

Product data

| | |
|--|---|
| Speed | [1/min] : 1400 / 24 |
| Overall gear ratio | : 57.42 |
| Output torque Mamax | [Nm] : 630 |
| Mounting position | : M3-M2A (10°) |
| Base / top coat | : 5015 Sky blue (55450150) |
| Hollow shaft | [mm] : 40 |
| Design type | : Hollow shaft |
| Bore on input side (D1 x L1) | [mm] : 24 x 50 |
| Adapter flange diameter (G5) | [mm] : 200 |
| Lubricant quantity 1st gear unit | [Liter] : 2.4 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 3.84 |
| Weight | [kg] : 32.00 |

Additional feature

Reinforced bearings: Without

Corrosion protection

Surface protection OS4 (very high environmental pollution)

Lubricant: CLP HC 150 (-30 / +50 °C): 2.4 Liter

Color: 5015 Sky blue (55450150)

Material Oil seal Adapter NORMAL (Standard)

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DC Version 25.4 SP1

Created on: 8/27/2025 9:21:13 AM CEST/ LT2KUNAR

Catalog designation

KA77AMS132S/M
Bevel-helical gear units K..

Product data

| | |
|--|--|
| Speed | [1/min] : 1400 / 31 |
| Overall gear ratio | : 45.16 |
| Output torque Mamax | [Nm] : 1550 |
| Mounting position | : M1A |
| Base / top coat | : 5015 Sky blue (55350150) |
| Hollow shaft | [mm] : 50 |
| Design type | : Hollow shaft |
| Bore on input side (D1 x L1) | [mm] : 38 x 80 |
| Adapter flange diameter (G5) | [mm] : 300 |
| Lubricant quantity 1st gear unit | [Liter] : 2.1 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 27.44 |
| Weight | [kg] : 71.00 |

Additional feature

Standard
Reinforced bearings: Without
Corrosion protection
Surface protection OS3 (high environmental pollution)
Lubricant: CLP HC 150 (-30 / +50 °C); 2.1 Liter
Color: 5015 Sky blue (55350150)
Material Oil seal Adapter NORMAL (Standard)

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DC Version 25.4 SP1

Created on: 8/27/2025 9:36:58 AM CEST/ LT2KUNAR

Catalog designation

KA87AMS160

Bevel-helical gear units K..

Product data

| | |
|--|--|
| Speed | [1/min] : 1400 / 56 |
| Overall gear ratio | : 24.92 |
| Output torque Mamax | [Nm] : 2500 |
| Mounting position | : M1B |
| Base / top coat | : 5015 Sky blue (55350150) |
| Hollow shaft | [mm] : 60 |
| Design type | : Hollow shaft |
| Bore on input side (D1 x L1) | [mm] : 42 x 110 |
| Adapter flange diameter (G5) | [mm] : 350 |
| Lubricant quantity 1st gear unit | [Liter] : 3.7 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 87.18 |
| Weight | [kg] : 120.00 |

Additional feature

Standard

Reinforced bearings: Without

Corrosion protection

Surface protection OS3 (high environmental pollution)

Lubricant: CLP HC 150 (-30 / +50 °C): 3.7 Liter

Color: 5015 Sky blue (55350150)

Material Oil seal Adapter NORMAL (Standard)

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DC Version 25.4 SP1

Created on: 8/27/2025 9:44:31 AM CEST/ LT2KUNAR

Catalog designation

KA87/TAMS132S/M
Bevel-helical gear units K..

Product data

| | |
|--|--|
| Speed | [1/min] : 1400 / 80 |
| Overall gear ratio | : 17.42 |
| Output torque Mamax | [Nm] : 1900 |
| Mounting position | : M1A |
| Base / top coat | : 5015 Sky blue (55250150) |
| Hollow shaft | [mm] : 60 |
| Design type | : Hollow shaft |
| Bore on input side (D1 x L1) | [mm] : 38 x 80 |
| Adapter flange diameter (G5) | [mm] : 300 |
| Lubricant quantity 1st gear unit | [Liter] : 3.7 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 48.77 |
| Weight | [kg] : 113.60 |

Additional feature

Standard
Reinforced bearings: Without
Breather valve Breather valve made of stainless steel
T- Torque arm for shaft mount feature without mounting hardware
Corrosion protection
Surface protection OS2 (medium environmental pollution)
Lubricant: CLP PG 220 (-25 / +80 °C): 3.7 Liter
Color: 5015 Sky blue (55250150)
Quantity Two oil seals
Material Oil seal Adapter NORMAL (Standard)

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DC Version 25.4 SP1

Created on: 8/27/2025 9:51:21 AM CEST/ LT2KUNAR

Catalog designation

KA97/A/T

Bevel-helical gear units K..

Product data

| | |
|--|--|
| Speed | [1/min] : 1400 / 37 |
| Overall gear ratio | : 38.30 |
| Output torque Mamax | [Nm] : 4300 |
| Mounting position | : M3A |
| Base / top coat | : 5015 Sky blue (55350150) |
| Hollow shaft | [mm] : 70 |
| Design type | : Hollow shaft |
| Lubricant quantity 1st gear unit | [Liter] : 15.7 |
| Pinion bore | [mm] : 28 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 19.57 |
| Weight | [kg] : 169.40 |

Additional feature

Standard

Breather valve Breather valve made of stainless steel

T- Torque arm for shaft mount feature without mounting hardware

Corrosion protection

Surface protection OS3 (high environmental pollution)

Lubricant: CLP PG-220-NSF-H1 (-25 / +40 °C): 15.7 Liter

Color: 5015 Sky blue (55350150)

Quantity Two oil seals

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DC Version 25.4 SP1

Created on: 8/27/2025 10:41:32 AM CEST/ LT2KUNAR

Catalog designation

ME3FS190/B

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Reference data

| | |
|---------------|-------------------------|
| Transaction | : 77178780 |
| Item | : 300 |
| Serial number | : 64.7717878003.0001.19 |

Product data

| | |
|--------------------------------|---|
| Industry | : Energy |
| Type of application | : Screw-type compressor |
| Type of driving machine | : AC-motor/inverter |
| Operating time per day | : More than 10 hours |
| Operating cycle / hour ED [%] | : 100 |
| Altitude [m above MSL] | : 0...< 1000 |
| Installation site | : Large rooms and halls (Va >= 1.4 m/s) |
| Ambient conditions | : normal |
| Ambient temp. min./max. [°C] | : 5 / 50 |
| Noise level required | : No |
| Motor power, nominal PM [kW] | : 355,00 |
| Operating power PK1 [kW] | : 254,00 |
| Input speed [r/min] | : 1500,0 |
| Ratio | : 20,38 |
| Output speed [rpm] | : 74 |
| Operating torque MK2 [Nm] | : 20700 |
| Nominal power PN1 [kW] | : 500,00 |
| Nominal gear torque MN2 [Nm] | : 65000 |
| Service factor Fs | : 3,14 |
| Reference value for Fs | : Operating torque output Mk2 |
| Outp. torque MK2 at n2 max[Nm] | : 20700 |
| Outp. torque MK2 at n2 min[Nm] | : 20700 |
| Input power Pk1 at n1 max [kW] | : 254,00 |
| Input power Pk1 at n1 min [kW] | : 38,0000 |
| Speed HSS, n1 max [1/min] | : 2392 |
| Speed HSS, n1 min [1/min] | : 359 |
| Speed LSS, n2 max [1/min] | : 117 |
| Speed LSS, n2 min [1/min] | : 17 |
| Direct. of rotat. output shaft | : Both |
| Add. forces at input shaft end | : None |
| Add.forces at output shaft end | : With additional forces |
| Radial force outp.shaft FR3[N] | : 110000,000 |
| Point force applicat. FR3 [mm] | : 90 |
| Mounting position | : M3 |
| IGP mounting | : No |
| Mounting surface | : F1 |
| Shaft position | : 13 |
| Shaft/hub connection | : Key |
| Input shaft [mm] | : 70X70,5 |
| Output shaft [mm] | : 180X240 |
| Final gear position | : - |
| Type of output shaft | : Solid shaft |

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| | |
|------------------------------|---|
| Housing fixation | : Foot mounting |
| Type of lubrication | : Splash lubrication |
| Oil level check | : Oil level glass |
| ISO code | : CLP HC 220 Synth.Oil |
| Scope of delivery lubricant | : With oil filling |
| Lubricant quantity [l] | : 80,000 |
| Guard color | : RAL1003 Signal Yellow |
| Fan guard surface protection | : OS2, to technical data sheet 01802_94 |
| Fan variant | : Radial |
| Number of fans | : 2 |
| Fan position | : Fan on shaft end 1 and 2 |
| Scope of delivery fan guard | : Fan guard included in delivery |
| Housing material | : Nodular cast iron as standard |
| Type of gear unit venting | : Plastic design Argo-Hytos / L1.0406 Main filter fineness (oil side): 2µm (fleece) Prefilter fineness (air side)2µm |
| Sealing system HSS | : Standard oil seal Regreasable |
| Noise level required | : No |
| HSS oil seal quantity | : 2 |
| Sealing system LSS | : Dust-protected, oil seal with dust protection cover |
| ID oil seal grease | : synthetic |
| Bearing variant output shaft | : Standard |
| Oil quantity check | : 72,000 |
| Surface protection | : OS2 to technical data sheet 01802_94 |
| Nameplate | : English / XSPEC_108X80 |
| Commodity code | : 84834021 |
| Weight | : 0.99 kg |

Catalog designation

SA77/TAMS112
Helical-worm gear units S..

Product data

| | |
|--|--|
| Speed | [1/min] : 1400 / 67 |
| Overall gear ratio | : 20.99 |
| Output torque Mamax | [Nm] : 705 |
| Mounting position | : M4A |
| Base / top coat | : 5015 Sky blue (55350150) |
| Hollow shaft | [mm] : 60 |
| Design type | : Hollow shaft |
| Bore on input side (D1 x L1) | [mm] : 28 x 60 |
| Adapter flange diameter (G5) | [mm] : 250 |
| Lubricant quantity 1st gear unit | [Liter] : 5.8 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 10.41 |
| Weight | [kg] : 70.60 |

Additional feature

Reinforced bearings: Without
T- Torque arm for shaft mount feature with mounting hardware
Corrosion protection
Surface protection OS3 (high environmental pollution)
Lubricant: CLP HC 150 (-30 / +30 °C): 5.8 Liter
Color: 5015 Sky blue (55350150)
Material Oil seal Adapter NORMAL (Standard)

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DC Version 25.4 SP1

Created on: 8/27/2025 12:22:47 PM CEST/ LT2KUNAR

Catalog designation

X3KA210/HU/B

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Reference data

| | |
|---------------|-------------------------|
| Transaction | : 77243149 |
| Item | : 100 |
| Serial number | : 64.7724314901.0001.19 |

Product data

| | |
|--------------------------------|---|
| Industry | : Energy |
| Type of application | : Crushers |
| Type of driving machine | : AC-motor |
| Operating time per day | : More than 10 hours |
| Operating cycle / hour ED [%] | : 100 |
| Altitude [m above MSL] | : 0...< 1000 |
| Installation site | : Large rooms and halls (Va >= 1.4 m/s) |
| Ambient conditions | : normal |
| Housing design | : Universal |
| Ambient temp. min./max. [°C] | : -25 / 50 |
| Noise level required | : No |
| Motor power, nominal PM [kW] | : 160,00 |
| Operating power PK1 [kW] | : 160,00 |
| Input speed [r/min] | : 1500,0 |
| Ratio | : 44,85 |
| Output speed [rpm] | : 33 |
| Operating torque MK2 [Nm] | : 44133 |
| Nominal power PN1 [kW] | : 326,00 |
| Nominal gear torque MN2 [Nm] | : 90000 |
| Service factor Fs | : 2,03 |
| Reference value for Fs | : Nominal motor power PM |
| Outp. torque MK2 at n2 max[Nm] | : 44000 |
| Outp. torque MK2 at n2 min[Nm] | : 44000 |
| Speed HSS, n1 max [1/min] | : 1500 |
| Speed HSS, n1 min [1/min] | : 1500 |
| Add. forces at input shaft end | : None |
| Add.forces at output shaft end | : None |
| Mounting position | : M1 |
| IGP mounting | : No |
| Mounting surface | : F1 |
| Shaft position | : 03 |
| Direct. of rotat. output shaft | : Both |
| Input shaft [mm] | : 80m6 x 170 |
| LSS type | : Hollow shaft with keyway |
| Output shaft [mm] | : 190 |
| Housing fixation | : Foot mounting |
| Type of lubrication | : Splash lubrication |
| Oil level check | : Oil level glass |
| Oil drain valve angle [°] | : 0 |
| ISO code | : CLP HC 220 Synth.Oil |
| Scope of delivery lubricant | : With oil filling |
| Lubricant quantity [l] | : 100,000 |

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| | |
|--------------------------------|---|
| Fan guard surface protection | : OS2, to technical data sheet 01802_94 |
| Number of fans | : 1 |
| Scope of delivery fan guard | : Fan guard included in delivery |
| Cover size | : Protruding on both sides |
| Useful shaft end fan mounting | : 80X115 |
| Housing material | : EN-GJL-250 |
| Breather position | : Enclosed in delivery |
| Type of gear unit venting | : Plastic design Argo-Hytos / L1.0406 Main filter fineness (oil side): 2µm (fleece) Prefilter fineness (air side)2µm |
| Sealing system HSS | : Dust-protected, oil seal with dust protection cover |
| Noise level required | : No |
| HSS-seal qty of grease nipples | : 0 |
| HSS oil seal material | : FKM |
| HSS oil seal quantity | : 1 |
| Sealing system LSS | : Dust-protected, oil seal with dust protection cover |
| LSS-seal qty of grease nipples | : 0 |
| LSS oil seal material | : FKM |
| LSS oil seal quantity | : 2 |
| LSS oil seal arrangement | : Double inside sealing |
| ID oil seal grease | : synthetic |
| Bearing variant output shaft | : Reinforced axial 1 |
| Bearing variant pinion shaft | : Standard |
| Bearing type input shaft | : Standard |
| Oil quantity check | : 95,000 |
| Surface protection | : OS2 to technical data sheet 01802_94 |
| Nameplate | : English |
| Commodity code | : 84834023 |
| Weight | : 0.99 kg |

Information

This product
- has been built taking into account a special assembly instruction

Catalog designation

RF107/II2GD EDRN160M4/3D/TF/AL
Helical gear units R.. + Explosion-proof AC motors EDR..

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Reference data

| | |
|---------------|-------------------------|
| Transaction | : 77270434 |
| Item | : 300 |
| Serial number | : 01.7727043403.0001.19 |

Product data

| | |
|--------------------------------|--|
| Speed [r/min] | : 1473 / 28 |
| Max. output speed [r/min] | : 40 |
| Max. input speed [r/min] | : 2100 |
| Total ratio [i] | : 52,68 / infinite |
| Output torque [Nm] | : 3760 |
| Max. input torque [Nm] | : 71,00 |
| Max. overhung load [N] | : 23300 |
| Service factor SEW-FB | : 1,15 |
| Mounting position | : M2 |
| Term.box.pos.[°] / cable entry | : 0 (R) / normal |
| Lubricant / -volume [l] | : CLP HC 220 Synth.Oil / 15,90 |
| Corrosion protection | : Yes |
| Surface protection | : OS2 to technical data sheet 01802_94 |
| Paint coat | : Top coat RAL7031 (blue gray) |
| Assembly specifications | : ATEX gear unit to assembly instructions 63123797 |
| Test certificate | : Create test report 2.2 according to EN 10204 |
| Frequency inverter duty | : Gear unit on a frequency controlled motor given free for the max permissible speed and input torque. The duty of the frequency controlled gear and motor is to find in the operating instructions. |
| Gear unit | : RF107/II2GD |
| Output shaft end | : 70x140 mm lg. |
| Flange | : 350mm |
| Output oil seal | : 2 oil seals FKM |
| Explosion-proof gear unit, gas | : II 2G EX H IIC T4 GB |
| Explosion-proof gear unit,dust | : II 2D EX H IIIC T120°C DB |
| Enclosure reducer [IP] | : 65 |
| Ambient temp. gear unit [°C] | : -20 ... +40 |
| Documentation no. A | : 24804134 28497872 |
| Documentation no. B | : 24804398 |
| Parts list | : 012630996 / 0 |

| | |
|---------------------------------|---|
| Motor | : EDRN160M4/3D/TF/AL |
| Output oil seal material | : FKM |
| Motor power [kW] | : 11 |
| Motor frequency [Hz] | : 50 |
| Cyclic duration factor S1-S10 | : S1 |
| System voltage [V] | : 400 |
| Motor voltage [V] / conn. type | : 230/400 delta/star |
| Nominal current [A] | : 36,50 / 21,00 |
| cos phi | : 0,81 |
| Wiring diagram | : R13T / 681510506 |
| Connection | : Terminal board with anti-twist frame |
| Thermal cl.[°C]/Enclosure[IP] | : 155(F) / 55 |
| Thermal class utilization [°C] | : 155(F) |
| International efficiency class | : IE3 |
| Efficiency at 50/75/100% Pn [%] | : 91,1 / 91,7 / 91,4 |
| CE mark | : Yes |
| Design specification (EX) | : EU directive 2014/34/EU (ATEX) |
| EX protection (motor) | : ATEX (EU) 3D (category 3: dust) Protection types tc for zone 22 |
| EX standard dust | : EN60079-31 |
| EX labeling dust | : II3D EX TC IIIB T120°C DC |
| EX group dust | : IIIB (suitable for non-conductive dusts and lint) |
| Max. surface temperature/class | : T120°C |
| Equipment Protect. Level Dust | : Dc |
| Ventilation | : AL = metal fan |
| Motor protection | : TF = PTC Temperature sensor |
| Terminal box | : Terminal box lower part made of aluminum with tapped hole 2xM40, 2xM16 |
| Inverter operating mode | : VFC - Voltage mode Flux Control of the inverter e.g. MOVITRAC® / MOVIDRIVE® or comparable |
| Max. amperage delta [A] | : 55 |
| Max. amperage star [A] | : 31.5 |
| Max.configur.motor speed [rpm] | : 2100 |
| Inverter frequencies D [Hz] | : 5,0 / 10 / 25 / 71 |
| Inverter voltages D [V] | : 26 / 46 / 115 / 327 |
| Inverter currents D [A] | : 29.5 / 31.0 / 36.5 / 37.0 |
| Inverter speeds D [rpm] | : 130 / 279 / 721 / 2100 |
| Inverter torques D [Nm] | : 45 / 57 / 71 / 71 |
| Inverter frequencies Y [Hz] | : 5,0 / 10 / 25 / 50 / 72 |
| Inverter voltages Y [V] | : 45 / 80 / 200 / 400 / 400 |
| Inverter currents Y [A] | : 17.1 / 17.9 / 21.0 / 21.0 / 22.0 |
| Inverter speeds Y [rpm] | : 130 / 279 / 721 / 1469 / 2100 |
| Inverter torques Y [Nm] | : 45 / 57 / 71 / 71 / 49 |
| Documentation no. A | : 22127909 23556455 |
| Documentation no. B | : 22128174 23556722 |
| Spare parts list | : You can find the SWPL (spare and wearing parts list) under the serial number in the Online Support. |
| Nameplate | : English |
| Nameplate position | : 270° |
| Nameplate language 2nd set | : English |
| Nameplate position 2nd set | : Loosely enclosed in a plastic bag |
| Opera.instr. A lang./quantity | : English / 1 |
| Opera.instr. B lang./quantity | : Lithuanian / 4 |

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Created on: 2/28/2025 10:39:03 AM CEST / LT2KUNAR

| | |
|------------------------------|--------------|
| Parts list/language/quantity | : German / 0 |
| Commodity code | : 85015230 |
| Weight | : 286.00 kg |

Information

This product

- has been built taking into account a special assembly instruction

Catalog designation

R137/II2GD EDRN132S4/3D/KCC/TF/VE

Helical gear units R.. + Explosion-proof AC motors EDR..

Click these icons for further information in Online Support



Reference data

| | |
|---------------|-------------------------|
| Transaction | : 77270434 |
| Item | : 1100 |
| Serial number | : 01.7727043411.0001.19 |

Product data

| | |
|--------------------------------|--|
| Speed [r/min] | : 1461 / 11 |
| Max. output speed [r/min] | : 21 |
| Max. input speed [r/min] | : 2700 |
| Total ratio [i] | : 128,18 / infinite |
| Output torque [Nm] | : 4610 |
| Max. input torque [Nm] | : 36,00 |
| Max. overhung load [N] | : 58900 |
| Service factor SEW-FB | : 1,75 |
| Mounting position | : M3 |
| Term.box.pos.[°] / cable entry | : 0 (R) / position 2 |
| Lubricant / -volume [l] | : CLP HC 220 Synth.Oil / 29,50 |
| Corrosion protection | : Yes |
| Surface protection | : OS2 to technical data sheet 01802_94 |
| Paint coat | : Top coat RAL7031 (blue gray) |
| Assembly specifications | : ATEX gear unit to assembly instructions 63123797 |
| Test certificate | : Create test report 2.2 according to EN 10204 |
| Frequency inverter duty | : Gear unit on a frequency controlled motor given free for the max permissible speed and input torque. The duty of the frequency controlled gear and motor is to find in the operating instructions. |
| Gear unit | : R137/II2GD |
| Output shaft end | : 90x170 mm lg. with key |
| Output oil seal | : 2 oil seals FKM |
| Explosion-proof gear unit, gas | : II 2G EX H IIC T4 GB |
| Explosion-proof gear unit,dust | : II 2D EX H IIIC T120°C DB |
| Enclosure reducer [IP] | : 65 |
| Ambient temp. gear unit [°C] | : -20 ... +40 |
| Documentation no. A | : 24804134 28497872 |
| Documentation no. B | : 24804398 |
| Parts list | : 012560696 / 0 |
| Motor | : EDRN132S4/3D/KCC/TF/VE |

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Created on: 2/28/2025 10:39:45 AM CEST/ LT2KUNAR

| | |
|------------------------------------|--|
| Output oil seal material | : FKM |
| Motor power [kW] | : 5.5 |
| Motor frequency [Hz] | : 50 |
| Cyclic duration factor S1-S10 | : S1 |
| System voltage [V] | : 400 |
| Motor voltage [V] / conn. type | : 230/400 delta/star |
| Nominal current [A] | : 18,20 / 10,50 |
| cos phi | : 0,84 |
| Wiring diagram | : C13T / 681980309 |
| Connection | : KCC = 6 terminals with cage clamps in a row |
| Thermal cl.[°C]/Enclosure[IP] | : 155(F) / 55 |
| Thermal class utilization [°C] | : 155(F) |
| International efficiency class | : IE3 |
| Efficiency at 50/75/100% Pn [%] | : 90,6 / 90,6 / 89,6 |
| CE mark | : Yes |
| Design specification (EX) | : EU directive 2014/34/EU (ATEX) |
| EX protection (motor) | : ATEX (EU) 3D (category 3: dust) Protection types tc for zone 22 |
| EX standard dust | : EN60079-31 |
| EX labeling dust | : II3D EX TC IIIB T120°C DC |
| EX group dust | : IIIB (suitable for non-conductive dusts and lint) |
| Max. surface temperature/class | : T120°C |
| Equipment Protect. Level Dust | : Dc |
| Forced cooling fan | : VE = forced cooling fan (for 3GD) |
| Forced cooling fan voltage [V] | : Delta: 200...303VAC, 50Hz Star: 346...525VAC, 50Hz Delta: 220...332VAC, 60Hz Star: 380...575VAC, 60Hz |
| Forced cool. fan rated current | : 50Hz 3Ph Y 0.24A / 3Ph D 0.42A 60Hz 3Ph Y 0.20A / 3Ph D 0.36A |
| Flow rate air [m3/h] | : 295 |
| Forced cool.fan wir.diagr.no. | : 691370017 |
| Motor protection | : TF = PTC Temperature sensor |
| Terminal box | : Terminal box lower part made of aluminum with tapped hole 2xM32, 1xM16 |
| Inverter operating mode | : VFC - Voltage mode Flux Control of the inverter e.g. MOVITRAC® / MOVIDRIVE® or comparable |
| Max. amperage delta [A] | : 27.5 |
| Max. amperage star [A] | : 15.7 |
| Max.configur.motor speed [rpm] | : 2700 |
| Inverter frequencies D [Hz] | : 5,0 / 10 / 25 / 87 / 92 |
| Inverter voltages D [V] | : 29 / 52 / 115 / 400 / 400 |
| Inverter currents D [A] | : 18.4 / 18.4 / 18.4 / 18.7 / 18.7 |
| Inverter speeds D [rpm] | : 120 / 268 / 707 / 2562 / 2700 |
| Inverter torques D [Nm] | : 36 / 36 / 36 / 36 / 34 |
| Inverter frequencies Y [Hz] | : 5,0 / 10 / 25 / 50 / 94 |
| Inverter voltages Y [V] | : 50 / 90 / 200 / 400 / 400 |
| Inverter currents Y [A] | : 10.6 / 10.6 / 10.6 / 10.7 / 10.8 |
| Inverter speeds Y [rpm] | : 120 / 268 / 707 / 1453 / 2700 |
| Inverter torques Y [Nm] | : 36 / 36 / 36 / 36 / 19 |
| Documentation no. A | : 22127909 23556455 |
| Documentation no. B | : 22128174 23556722 |
| Spare parts list | : You can find the SWPL (spare and wearing parts list) under the serial number in the Online Support. |

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Created on: 2/28/2025 10:39:45 AM CEST / LT2KUNAR

| | |
|-------------------------------|-------------------------------------|
| Nameplate | : English |
| Nameplate position | : 270° |
| Nameplate language 2nd set | : English |
| Nameplate position 2nd set | : Loosely enclosed in a plastic bag |
| Opera.instr. A lang./quantity | : English / 1 |
| Opera.instr. B lang./quantity | : Lithuanian / 8 |
| Parts list/language/quantity | : German / 0 |
| Commodity code | : 85015220 |
| Weight | : 329.00 kg |

Information

This product
- has been built taking into account a special assembly instruction

Catalog designation

FAZ107/II2GD EDRN132S4/3D/KCC/TF/VE
Parallel-shaft helical gear units F.. + Explosion-proof AC motors EDR..

Click these icons for further information in Online Support



Reference data

Transaction : 77330783
Item : 500
Serial number : 01.7733078305.0001.19

Product data

Speed [r/min] : 1461 / 8.2
 Max. output speed [r/min] : 15
 Max. input speed [r/min] : 2700
 Total ratio [i] : 178,64 / infinite
 Output torque [Nm] : 6420
 Max. input torque [Nm] : 36,00
 Max. overhung load [N] : 65000
 Service factor SEW-FB : 1,20
 Mou. pos. / Pivoting angle [°] : M1-M2 / 10
 Term.box.pos.[°] / cable entry : 0 (R) / normal
 Lubricant / -volume [l] : CLP HC 220 Synth.Oil / 25,30
 Corrosion protection : Yes
 Surface protection : OS2 to technical data sheet
 01802_94
 Paint coat : Top coat RAL7031 (blue gray)
 Assembly specifications : ATEX gear unit to assembly
 instructions 63123797
 Frequency inverter duty : Gear unit on a frequency
 controlled motor given free for
 the max permissible speed and
 input torque. The duty of the
 frequency controlled gear and
 motor is to find in the operating
 instructions.
 Gear unit : FAZ107/II2GD
 Hollow shaft : 80mm
 Design : B14-flange-mounted version and
 hollow shaft
 Safety cover : None
 Flange : 210mm centering shoulder
 Output oil seal : 2 oil seals FKM
 Explosion-proof gear unit, gas : II 2G EX H IIC T4 GB
 Explosion-proof gear unit,dust : II 2D EX H IIIC T120°C DB
 Enclosure reducer [IP] : 65
 Ambient temp. gear unit [°C] : -20 ... +40
 Documentation no. A : 24804126 28497864
 Documentation no. B : 24804134 28497872
 Documentation no. C : 24804398 28498135

| | |
|--------------------------------|--|
| Parts list | : 422831095 / 0 |
| Motor | : EDRN132S4/3D/KCC/TF/VE |
| Output oil seal material | : FKM |
| Motor power [kW] | : 5.5 |
| Motor frequency [Hz] | : 50 |
| Cyclic duration factor S1-S10 | : S1 |
| System voltage [V] | : 400 |
| Motor voltage [V] / conn. type | : 230/400 delta/star |
| Nominal current [A] | : 18,20 / 10,50 |
| cos phi | : 0,84 |
| Wiring diagram | : C13T / 681980309 |
| Connection | : KCC = 6 terminals with cage clamps in a row |
| Thermal cl.[°C]/Enclosure[IP] | : 155(F) / 55 |
| Thermal class utilization [°C] | : 155(F) |
| International efficiency class | : IE3 |
| Efficiency | |
| at 50/75/100% Pn [%] | : 90,6 / 90,6 / 89,6 |
| CE mark | : Yes |
| Design specification (EX) | : EU directive 2014/34/EU (ATEX) |
| EX protection (motor) | : ATEX (EU) 3D (category 3: dust) Protection types tc for zone 22 |
| EX standard dust | : EN60079-31 |
| EX labeling dust | : II3D EX TC IIIB T120°C DC |
| EX group dust | : IIIB (suitable for non-conductive dusts and lint) |
| Max. surface temperature/class | : T120°C |
| Equipment Protect. Level Dust | : Dc |
| Forced cooling fan | : VE = forced cooling fan (for 3GD) |
| Forced cooling fan voltage [V] | : Delta: 200...303VAC, 50Hz Star: 346...525VAC, 50Hz Delta: 220...332VAC, 60Hz Star: 380...575VAC, 60Hz |
| Forced cool. fan rated current | : 50Hz 3Ph Y 0.24A / 3Ph D 0.42A 60Hz 3Ph Y 0.20A / 3Ph D 0.36A |
| Flow rate air [m3/h] | : 295 |
| Forced cool.fan wir.diagr.no. | : 691370017 |
| Motor protection | : TF = PTC Temperature sensor |
| Terminal box | : Terminal box lower part made of aluminum with tapped hole 2xM32, 1xM16 |
| Inverter operating mode | : VFC - Voltage mode Flux Control of the inverter e.g. MOVITRAC® / MOVIDRIVE® or comparable |
| Max. amperage delta [A] | : 27.5 |
| Max. amperage star [A] | : 15.7 |
| Max.configur.motor speed [rpm] | : 2700 |
| Inverter frequencies D [Hz] | : 5,0 / 10 / 25 / 87 / 92 |
| Inverter voltages D [V] | : 29 / 52 / 115 / 400 / 400 |
| Inverter currents D [A] | : 18.4 / 18.4 / 18.4 / 18.7 / 18.7 |
| Inverter speeds D [rpm] | : 120 / 268 / 707 / 2562 / 2700 |
| Inverter torques D [Nm] | : 36 / 36 / 36 / 36 / 34 |
| Inverter frequencies Y [Hz] | : 5,0 / 10 / 25 / 50 / 94 |
| Inverter voltages Y [V] | : 50 / 90 / 200 / 400 / 400 |
| Inverter currents Y [A] | : 10.6 / 10.6 / 10.6 / 10.7 / 10.8 |
| Inverter speeds Y [rpm] | : 120 / 268 / 707 / 1453 / 2700 |
| Inverter torques Y [Nm] | : 36 / 36 / 36 / 36 / 19 |
| Documentation no. A | : 22127895 23556447 |
| Documentation no. B | : 22127909 23556455 |
| Documentation no. C | : 22128174 23556722 |

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Created on: 2/28/2025 10:40:08 AM CEST / LT2KUNAR

| | |
|-------------------------------|---|
| Spare parts list | : You can find the SWPL (spare and wearing parts list) under the serial number in the Online Support. |
| Nameplate | : English |
| Nameplate position | : 270° |
| Nameplate language 2nd set | : English |
| Nameplate position 2nd set | : Loosely enclosed in a plastic bag |
| Opera.instr. A lang./quantity | : German / 1 |
| Opera.instr. B lang/quantity | : English / 1 |
| Opera.instr. C lang/quantity | : Lithuanian / 1 |
| Parts list/language/quantity | : German / 0 |
| Commodity code | : 85015220 |
| Weight | : 319.00 kg |

Catalog designation

FAZ127/A

Parallel-shaft helical gear units F..

Product data

| | |
|---|---|
| Speed | [1/min] : 1400 / 22 |
| Overall gear ratio | : 63.91 |
| Output torque Mamax | [Nm] : 12000 |
| Mounting position | : M1 |
| Base / top coat | : 5015 Sky blue (51350150) |
| Hollow shaft | [mm] : 100 |
| Design type | : B14 flange-mounted design with hollow shaft |
| Lubricant quantity 1st gear unit | [Liter] : 39 |
| Flange diameter | [mm] : 250 (Centering shoulder) |
| Pinion bore | [mm] : 32 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 76.63 |
| Weight | [kg] : 444.00 |

Additional feature

Standard

Fixed high plastic safety cover without gasket

Color: 5015 Sky blue (51350150)

Quantity Two oil seals

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You can find the exact net weight on the order confirmation. For technical reasons, the real weight may differ from this information.

DC Version 25.4 SP1

Created on: 8/27/2025 12:58:35 PM CEST/ LT2KUNAR

Catalog designation

R107/A

Helical gear units R..

Product data

| | |
|--|--|
| Speed | [1/min] : 1400 / 12 |
| Overall gear ratio | : 115.63 |
| Output torque Mamax | [Nm] : 4300 |
| Mounting position | : M1 |
| Base / top coat | : 5015 Sky blue (51350150) |
| Output shaft | [mm] : 70x140 |
| Design type | : Foot-mounted design |
| Lubricant quantity 1st gear unit | [Liter] : 6 |
| Pinion bore | [mm] : 18 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 20.44 |
| Weight | [kg] : 156.00 |

Additional feature

Output shaft: 70x140 mm

Oil sight glass 1 oil sight glass

Color: 5015 Sky blue (51350150)

Quantity Two oil seals

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You can find the exact net weight on the order confirmation. For technical reasons, the real weight may differ from this information.

DC Version 25.4 SP1

Created on: 8/27/2025 1:37:00 PM CEST/ LT2KUNAR

Catalog designation

R97R57/A

Helical gear units R.. + Helical gear units R..

Product data

| | |
|--|---|
| Speed | [1/min] : 1400 / 0.86 |
| Overall gear ratio | : 1623.00 |
| Output torque Mamax | [Nm] : 3000 |
| Mounting position | : M1 |
| Base / top coat | : 5015 Sky blue (55150150) |
| Output shaft | [mm] : 60x120 |
| Design type | : Foot-mounted design |
| Lubricant quantity 1st gear unit | [Liter] : 9.8 |
| Lubricant quantity 2nd gear unit | [Liter] : 0.8 |
| Pinion bore | [mm] : 10 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 0.38 |
| Weight | [kg] : 131.00 |

Additional feature

Output shaft: 60x120 mm

Surface protection OS1 (low environmental pollution)

Color: 5015 Sky blue (55150150)

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DC Version 25.4 SP1

Created on: 8/27/2025 2:59:49 PM CEST/ LT2KUNAR

Catalog designation

K67/A

Bevel-helical gear units K..

Product data

| | |
|--|---|
| Speed | [1/min] : 1400 / 36 |
| Overall gear ratio | : 38.39 |
| Output torque Mamax | [Nm] : 800 |
| Mounting position | : M1A |
| Base / top coat | : 5015 Sky blue (55150150) |
| Output shaft | [mm] : 40x80 |
| Design type | : Foot-mounted design |
| Lubricant quantity 1st gear unit | [Liter] : 1.1 |
| Pinion bore | [mm] : 16 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 2.41 |
| Weight | [kg] : 31.00 |

Additional feature

Output shaft: 40x80 mm

Standard

Surface protection OS1 (low environmental pollution)

Color: 5015 Sky blue (55150150)

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DC Version 25.4 SP1

Created on: 8/27/2025 3:04:04 PM CEST/ LT2KUNAR

Catalog designation

R47/A

Helical gear units R..

Product data

| | |
|--|---|
| Speed | [1/min] : 1400 / 12 |
| Overall gear ratio | : 114.17 |
| Output torque Mamax | [Nm] : 300 |
| Mounting position | : M1 |
| Base / top coat | : 5015 Sky blue (55150150) |
| Output shaft | [mm] : 30x60 |
| Design type | : Foot-mounted design |
| Lubricant quantity 1st gear unit | [Liter] : 0.7 |
| Pinion bore | [mm] : 10 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 0.34 |
| Weight | [kg] : 14.00 |

Additional feature

Output shaft: 30x60 mm

Surface protection OS1 (low environmental pollution)

Color: 5015 Sky blue (55150150)

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You can find the exact net weight on the order confirmation. For technical reasons, the real weight may differ from this information.

DC Version 25.4 SP1

Created on: 8/27/2025 3:08:44 PM CEST/ LT2KUNAR

Catalog designation

K47/A

Bevel-helical gear units K..

Product data

| | |
|--|---|
| Speed | [1/min] : 1400 / 13 |
| Overall gear ratio | : 104.37 |
| Output torque Mamax | [Nm] : 450 |
| Mounting position | : M4A |
| Base / top coat | : 5015 Sky blue (55150150) |
| Output shaft | [mm] : 30x60 |
| Design type | : Foot-mounted design |
| Lubricant quantity 1st gear unit | [Liter] : 1.9 |
| Pinion bore | [mm] : 12 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 0.26 |
| Weight | [kg] : 20.00 |

Additional feature

Output shaft: 30x60 mm

Surface protection OS1 (low environmental pollution)

Color: 5015 Sky blue (55150150)

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You can find the exact net weight on the order confirmation. For technical reasons, the real weight may differ from this information.

DC Version 25.4 SP1

Created on: 8/27/2025 3:11:32 PM CEST/ LT2KUNAR

Catalog designation

R87/A
Helical gear units R..

Product data

| | |
|--|---|
| Speed | [1/min] : 1400 / 23 |
| Overall gear ratio | : 60.35 |
| Output torque Mamax | [Nm] : 1550 |
| Mounting position | : M1 |
| Base / top coat | : 5015 Sky blue (55150150) |
| Output shaft | [mm] : 50x100 |
| Design type | : Foot-mounted design |
| Lubricant quantity 1st gear unit | [Liter] : 2.3 |
| Pinion bore | [mm] : 16 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 2.91 |
| Weight | [kg] : 58.00 |

Additional feature

Output shaft: 50x100 mm
Surface protection OS1 (low environmental pollution)
Color: 5015 Sky blue (55150150)

Catalog designation

K87/A

Bevel-helical gear units K..

Product data

| | |
|--|--|
| Speed | [1/min] : 1400 / 28 |
| Overall gear ratio | : 49.16 |
| Output torque Mamax | [Nm] : 2700 |
| Mounting position | : M1A |
| Base / top coat | : 5015 Sky blue (55150150) |
| Output shaft | [mm] : 60x120 |
| Design type | : Foot-mounted design |
| Lubricant quantity 1st gear unit | [Liter] : 3.7 |
| Pinion bore | [mm] : 22 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 13.94 |
| Weight | [kg] : 92.00 |

Additional feature

Output shaft: 60x120 mm

Standard

Surface protection OS1 (low environmental pollution)

Color: 5015 Sky blue (55150150)

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You can find the exact net weight on the order confirmation. For technical reasons, the real weight may differ from this information.

DC Version 25.4 SP1

Created on: 8/27/2025 3:20:09 PM CEST/ LT2KUNAR

Catalog designation

RF87/A
Helical gear units R..

Product data

| | |
|--|---|
| Speed | [1/min] : 1400 / 9.8 |
| Overall gear ratio | : 142.41 |
| Output torque Mamax | [Nm] : 1550 |
| Mounting position | : M1 |
| Base / top coat | : 5015 Sky blue (55150150) |
| Output shaft | [mm] : 50x100 |
| Design type | : B5 flange-mounted design |
| Lubricant quantity 1st gear unit | [Liter] : 2.3 |
| Flange diameter | [mm] : 300 |
| Pinion bore | [mm] : 12 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 1.86 |
| Weight | [kg] : 58.00 |

Additional feature

Output shaft: 50x100 mm
Surface protection OS1 (low environmental pollution)
Color: 5015 Sky blue (55150150)

Catalog designation

R37/A

Helical gear units R..

Product data

| | |
|--|---|
| Speed | [1/min] : 1400 / 31 |
| Overall gear ratio | : 44.81 |
| Output torque Mamax | [Nm] : 200 |
| Mounting position | : M1 |
| Base / top coat | : 5015 Sky blue (55150150) |
| Output shaft | [mm] : 25x50 |
| Design type | : Foot-mounted design |
| Lubricant quantity 1st gear unit | [Liter] : 0.3 |
| Pinion bore | [mm] : 10 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 0.19 |
| Weight | [kg] : 11.00 |

Additional feature

Output shaft: 25x50 mm

Surface protection OS1 (low environmental pollution)

Color: 5015 Sky blue (55150150)

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DC Version 25.4 SP1

Created on: 8/27/2025 3:27:10 PM CEST/ LT2KUNAR

Catalog designation

RF77/A

Helical gear units R..

Product data

| | |
|--|---|
| Speed | [1/min] : 1400 / 27 |
| Overall gear ratio | : 52.07 |
| Output torque Mamax | [Nm] : 820 |
| Mounting position | : M1 |
| Base / top coat | : 5015 Sky blue (55150150) |
| Output shaft | [mm] : 40x80 |
| Design type | : B5 flange-mounted design |
| Lubricant quantity 1st gear unit | [Liter] : 1.2 |
| Flange diameter | [mm] : 300 |
| Pinion bore | [mm] : 16 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 1.14 |
| Weight | [kg] : 36.00 |

Additional feature

Output shaft: 40x80 mm

Surface protection OS1 (low environmental pollution)

Color: 5015 Sky blue (55150150)

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DC Version 25.4 SP1

Created on: 8/27/2025 3:30:29 PM CEST/ LT2KUNAR

Catalog designation

FA77/GR37/A

Parallel-shaft helical gear units F.. + Helical gear units R..

Product data

| | |
|--|---|
| Speed | [1/min] : 1400 / 1.5 |
| Overall gear ratio | : 910.00 |
| Output torque Mamax | [Nm] : 1500 |
| Mounting position | : M6 |
| Base / top coat | : 5015 Sky blue (55250150) |
| Hollow shaft | [mm] : 50 |
| Design type | : Hollow shaft |
| Lubricant quantity 1st gear unit | [Liter] : 6.3 |
| Lubricant quantity 2nd gear unit | [Liter] : 0.35 |
| Pinion bore | [mm] : 10 / 16 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 0.32 |
| Weight | [kg] : 68.00 |

Additional feature

Oil sight glass 1 oil sight glass
Oil sight glass 1 oil sight glass
Standard
2 off rubber buffers for the torque arm
Corrosion protection
Surface protection OS2 (medium environmental pollution)
Color: 5015 Sky blue (55250150)

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DC Version 25.4 SP1

Created on: 8/27/2025 3:34:56 PM CEST/ LT2KUNAR

Catalog designation

KAZ97R57/A

Bevel-helical gear units K.. + Helical gear units R..

Product data

| | |
|---|---|
| Speed | [1/min] : 1400 / 4.1 |
| Overall gear ratio | : 342.00 |
| Output torque Mamax | [Nm] : 4300 |
| Mounting position | : M1A |
| Base / top coat | : 5015 Sky blue (55250150) |
| Hollow shaft | [mm] : 70 |
| Design type | : B14 flange-mounted design with hollow shaft |
| Lubricant quantity 1st gear unit | [Liter] : 7 |
| Lubricant quantity 2nd gear unit | [Liter] : 0.8 |
| Flange diameter | [mm] : 180 (Centering shoulder) |
| Pinion bore | [mm] : 16 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 4.86 |
| Weight | [kg] : 193.00 |

Additional feature

Oil sight glass 1 oil sight glass

Standard

Corrosion protection

Surface protection OS2 (medium environmental pollution)

Color: 5015 Sky blue (55250150)

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DC Version 25.4 SP1

Created on: 8/27/2025 3:44:03 PM CEST/ LT2KUNAR

Catalog designation

FA157/GR97/A

Parallel-shaft helical gear units F.. + Helical gear units R..

Product data

| | |
|--|--|
| Speed | [1/min] : 1400 / 1.8 |
| Overall gear ratio | : 764.00 |
| Output torque Mamax | [Nm] : 20000 |
| Mounting position | : M1 |
| Base / top coat | : 5015 Sky blue (55250150) |
| Hollow shaft | [mm] : 120 |
| Design type | : Hollow shaft |
| Lubricant quantity 1st gear unit | [Liter] : 73 |
| Lubricant quantity 2nd gear unit | [Liter] : 5.1 |
| Pinion bore | [mm] : 18 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 30.56 |
| Weight | [kg] : 829.00 |

Additional feature

Oil sight glass 1 oil sight glass
Oil sight glass 1 oil sight glass
Standard
2 off rubber buffers for the torque arm
Corrosion protection
Surface protection OS2 (medium environmental pollution)
Color: 5015 Sky blue (55250150)

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DC Version 25.4 SP1

Created on: 8/27/2025 3:48:52 PM CEST/ LT2KUNAR

Catalog designation

FA97/A/G

Parallel-shaft helical gear units F..

Product data

| | |
|--|--|
| Speed | [1/min] : 1400 / 38 |
| Overall gear ratio | : 36.64 |
| Output torque Mamax | [Nm] : 3070 |
| Mounting position | : M6 |
| Base / top coat | : 5015 Sky blue (55250150) |
| Hollow shaft | [mm] : 70 |
| Design type | : Hollow shaft |
| Lubricant quantity 1st gear unit | [Liter] : 20.2 |
| Pinion bore | [mm] : 22 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 16.66 |
| Weight | [kg] : 166.00 |

Additional feature

Oil sight glass 1 oil sight glass

Standard

2 off rubber buffers for the torque arm

Corrosion protection

Surface protection OS2 (medium environmental pollution)

Color: 5015 Sky blue (55250150)

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DC Version 25.4 SP1

Created on: 8/27/2025 3:52:13 PM CEST/ LT2KUNAR

Catalog designation

FA77/A/G

Parallel-shaft helical gear units F..

Product data

| | |
|--|---|
| Speed | [1/min] : 1400 / 15 |
| Overall gear ratio | : 94.93 |
| Output torque Mamax | [Nm] : 1500 |
| Mounting position | : M6 |
| Base / top coat | : 5015 Sky blue (55250150) |
| Hollow shaft | [mm] : 50 |
| Design type | : Hollow shaft |
| Lubricant quantity 1st gear unit | [Liter] : 6.3 |
| Pinion bore | [mm] : 16 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 3.00 |
| Weight | [kg] : 56.00 |

Additional feature

Oil sight glass 1 oil sight glass

Standard

2 off rubber buffers for the torque arm

Corrosion protection

Surface protection OS2 (medium environmental pollution)

Color: 5015 Sky blue (55250150)

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DC Version 25.4 SP1

Created on: 8/27/2025 3:56:34 PM CEST/ LT2KUNAR

global data

| | | |
|------------------------------|---|------------------|
| quantity | = | 1 |
| Catalog designation | = | KF77/A |
| input speed A [r/min] | = | 1,450 |
| calc. output speed A [r/min] | = | 25 |
| Service factor SEW-FB | = | 0.00 |
| Total ratio [i] | = | 58.34 |
| Mounting position / IM | = | M1A |
| Corrosion protection | = | Yes |
| Surface protection | = | OS1 |
| Color | = | RAL5015 Sky blue |

helical-bevel gear unit K077

| | | |
|---------------------------|---|-----------|
| Output shaft end | = | 02910349 |
| Flange | = | 300mm |
| Position output shaft | = | A |
| Position output flange | = | A |
| Position bevel gear wheel | = | B |
| Output oil seal qty. | = | 2 |
| ISO code | = | CLP 220 |
| Lubricant type | = | Miner.Oil |

name plate

| | | |
|---------------------------|---|---------------------|
| Nameplate (sets per unit) | = | 1 set of nameplates |
| Language | = | English |
| Nameplate position | = | Standard |

Catalog designation

KA97/TR57/A

Bevel-helical gear units K.. + Helical gear units R..

Product data

| | |
|--|---|
| Speed | [1/min] : 1400 / 1.9 |
| Overall gear ratio | : 743.00 |
| Output torque Mamax | [Nm] : 4300 |
| Mounting position | : M1B |
| Base / top coat | : 5015 Sky blue (55350150) |
| Hollow shaft | [mm] : 70 |
| Design type | : Hollow shaft |
| Lubricant quantity 1st gear unit | [Liter] : 7 |
| Lubricant quantity 2nd gear unit | [Liter] : 0.8 |
| Pinion bore | [mm] : 12 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 1.93 |
| Weight | [kg] : 191.40 |

Additional feature

Oil sight glass 1 oil sight glass

Oil sight glass 1 oil sight glass

Standard

T- Torque arm for shaft mount feature without mounting hardware

Corrosion protection

Surface protection OS3 (high environmental pollution)

Color: 5015 Sky blue (55350150)

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DC Version 25.4 SP1

Created on: 8/27/2025 4:14:01 PM CEST/ LT2KUNAR

Catalog designation

FHZ157R97/A

Parallel-shaft helical gear units F.. + Helical gear units R..

Product data

| | |
|---|---|
| Speed | [1/min] : 1400 / 2.1 |
| Overall gear ratio | : 680.00 |
| Output torque Mamax | [Nm] : 20000 |
| Mounting position | : M1 |
| Base / top coat | : 5015 Sky blue (55150150) |
| Hollow shaft | [mm] : 125 |
| Design type | : B14 flange-mounted design with hollow shaft and shrink disk |
| Permitted output overhung load with n=1400 | [N] : 0 |
| Lubricant quantity 1st gear unit | [Liter] : 73 |
| Lubricant quantity 2nd gear unit | [Liter] : 5.1 |
| Flange diameter | [mm] : 290 (Centering shoulder) |
| Pinion bore | [mm] : 18 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 31.59 |
| Weight | [kg] : 889.00 |

Additional feature

Oil sight glass 1 oil sight glass

Oil sight glass 1 oil sight glass

Standard

Surface protection OS1 (low environmental pollution)

Color: 5015 Sky blue (55150150)

Quantity Two oil seals

Catalog designation

K97/A

Bevel-helical gear units K..

Product data

| | |
|--|--|
| Speed | [1/min] : 1400 / 25 |
| Overall gear ratio | : 56.55 |
| Output torque Mamax | [Nm] : 4300 |
| Mounting position | : M1A |
| Base / top coat | : 5015 Sky blue (55150150) |
| Output shaft | [mm] : 70x140 |
| Design type | : Foot-mounted design |
| Lubricant quantity 1st gear unit | [Liter] : 7 |
| Pinion bore | [mm] : 28 |
| Mass moments of inertia (referring to the input side) | [10 ⁻⁴ kgm ²] : 29.03 |
| Weight | [kg] : 152.00 |

Additional feature

Output shaft: 70x140 mm

Oil sight glass 1 oil sight glass

Standard

Surface protection OS1 (low environmental pollution)

Color: 5015 Sky blue (55150150)

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DC Version 25.4 SP1

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