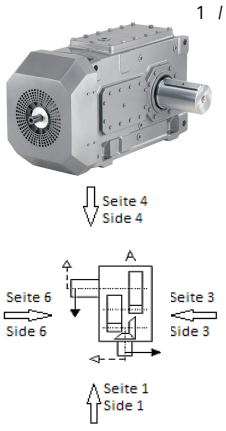
FLENDER

Datasheet FLENDER Gear units B3DH11A22.4

Conveyor No. 911CV01



Client order no.:
Order no.:
Offer no.:
Remarks:

Item no.:
Consignment no.:
Project:

Gear unit - Basic data

Catalog	MD 20.1 - 2009
Type	B3DH
Size	11
Gear unit design	A
Special ratio	No
Actual ratio	21.643 [i_N = 22.40]
Nominal torque	63,500 Nm
Nominal power	460.83 kW
Service factor f1_actual	2.1
Driving at	High-speed shaft
Mass moment of inertia for high-speed shaft J1	0.28297 kgm²
Mass moment of inertia for low-speed shaft J2	132.54865 kgm²

Power data

Prime mover	Electric motors
Power P1	(Y23) 219 kW
Torque T1	1,394.3 Nm
Starting torque TA	3485.75 Nm
Max. permitted starting torque TA_zul	5,867 Nm
Limitation of starting torque TA	not required
Speed n1	(Y20) 1,500 1/min
Driven machine	Conveyor, Belt conveyor >= 150 kW
Power P2	(Y21) 219 kW
Torque T2	30,176.83 Nm
Speed of rotation n2	69.31 1/min
Selected factor f1 for driven machine	2
Direction of load	Continuous
Peak loads / [h]	1-5
Peak torque factor f3	0.5
Operating cycle per hour	100 %

High-speed shaft:

Shaft seal	Taconite E
Shaft design	Standard shaft
Shaft dimension	d1 = 70 m6; l3 = 105; G3 = 990 (mm)

Low-speed shaft:

Shaft seal	Taconite F-F
Shaft design	Standard shaft
Shaft dimension	D2/D3 =165 H7/170; G4 =270.0; G5 =400.0 (mm)
Shrink disk	HSD 220-32
Protective cover	Yes, signal yellow

Installation specification

Installation altitude	(G31) 1001 m - 2000 m
Place of installation	(G37) Outdoors
Wind velocity	4 m/s
Min. ambient temperature	(Y01) -10 °C
Max. ambient temperature	(Y02) 40 °C
Oil type	(H00) Mineral oil
Oil viscosity	(H11) ISO VG 320
Oil quantity	76 l
Oil information	Oil is not included in delivery!

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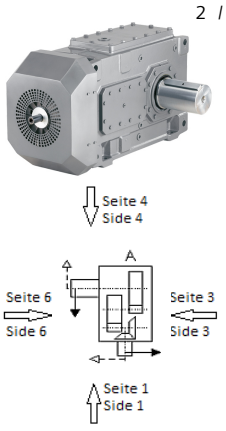

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Oil supply

Oil supply	Dip lubrication

Additional cooling

Thermal capacity factor kTH	0.90
Fan	(H60) Radial fan
Fan cover	Yes, signal yellow
Cooling coil	Without

Options 1

Visual oil level indicator	Oil dipstick
Oil drain	Oil drain plug
Housing material	GG-20
Air filter	Standard air filter according to F 5125 type 1
Backstop	(L00) Standard design
Direction of rotation	(L93) Clockwise

Options 2

Unspecified inspection document	Factory certificate acc. DIN EN 10204-2.1
Unspecified inspection certificate	(D97) Insp.certificate acc. DIN EN 10204-2.2
Rating plate	Stick-on label foil
Name plate marked with	Power P2

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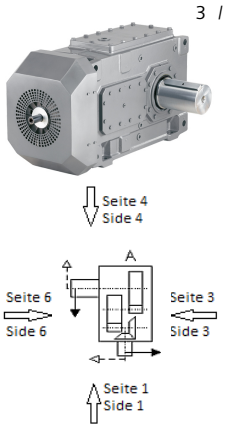

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Corrosion protection

Corrosion protection selected acc.	Corrosivity categ. acc. DIN EN ISO 12944-2
Corrosivity category	(C82) C3 medium climatic loads
Term of protection class	(C86) Medium
Coating system	(B41) Coating system 002
Color	(C00) RAL 5015 sky blue

Additional forces

High-speed shaft:

ATEX

null

Einzeldokumente

- Datenblatt (PDF)
- Maßblatt PDF (dauert ca. 1 Minute)
- Maßblatt DXF (dauert ca. 1 Minute)
- 3D PDF (dauert ca.1 Minute)
- 3D STEP (dauert ca.1 Minute)

Component documentation

- Datasheet (PDF)
- Dim draw PDF (takes approx 1 min)
- Dim draw DXF (takes approx 1 min)
- 3D PDF (takes approx 1 min)
- 3D STEP (takes approx 1 min)