## **SIEMENS**

### **Industry**

#### Datasheet for FLENDER Gear Unit B4SH12E355

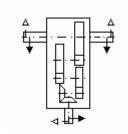
Design according to brochure: MD 20.1 (Gear units), Edition 2009

Ordering Data 2LP0024-2BC00-0PJ0-Z

A20 +B01 +B15 +B28 +B41 +C00 +D97 +G30 +G36 +H00 +H10

+Y20 +Y21 +Y23 +Y99

{Y20: 1500 rpm}{Y21: 32.67 kW}{Y23: 33 kW}



Client-Order-No: Item-No: 100

Order-No: Consignment-No:

Quotation-No: Project:

#### Gear unit - Basic data

Туре	B - (B) Bevel-helical gear unit 4 - stage S - (S) Solid shaft H - (H) Horizontal
Installation size	12
gear design	E
Actual ratio	361.214 (iN = 355)
Tolerance for special ratio	-
Nominal output torque	T2N = 78000 [Nm]
Nominal power rating	P2N = 33.92 [kW]
Service factor (T2N / T2)	1.04
mass	0.r.

Explosion protection according to ATEX: No

Shaft 1 (	left, f	ront):

Seal: Radial shaft seal

Dimension: d1 = 35 m6; l1 = 80; G1 = 1080 (mm)

Shaft 1 ( right):

Seal: 
Dimension: -

Shaft 2 (left):

Seal: Radial shaft seal

Dimension: d2 = 180 n6; l2 = 300; G2 = 270 (mm)

Shaft 2 (right):

Seal: Radial shaft seal

Dimension: d2 = 180 n6; I2 = 300; G2 = 270 (mm)

# Power data Prime mover: Electric motors - Motor IEC 200L

Y23	Motor power	$P_1 = 33.00 [kW]$
-	Starting torque	$T_A = 627.09 [Nm]$
Y20	Speed Shaft 1	$n_1 = 1500 [rpm]$
Driven ma	achine	
Y21	Output power	$P_2 = 32.67 \text{ [kW]}$
-	Output torque	-
-	Speed Shaft 2	$n_2 = 4.15 [rpm]$
-	Operating cycle per hour	100 %
-	Daily term	> 10 [h / day]

- FEM rating - Factor for driven machine f1 = 1.5
- Peak torque f3 = 0.5

#### Application specification

G30	Altitude up:	1000 [m]
G36	Place of installation:	Large halls, workshops (wind velocity > 1.4 m/s)
-/-	Ambient temperature	-10.00 [°C] up to 30.00 [°C]
H00	Oil grade	Mineral oil (CLP)
H10	Oil viscosity	ISO VG 460 Oil not included

#### Oil supply

- Dip lubrication

#### Additional cooling

0 without (PG = 60.2 kW)

#### Conservation

A../B.../... K.150.06.06.01.002. Color RAL 5015 sky blue (see details

#### Other options

with declaration of compliance with the order

acc. to DIN 10204-2.1

D97 with test report acc. to DIN EN 10204-2.2

Plates out of weather and temperature resistant foil

#### Motor connection

#### Brake console

#### Mounting parts

Direction of rotation of gear output shaft: CW & CCW

rotation

- Air Filter Standard air filter acc.to F 5125 type 1

## **SIEMENS**

## Industry

The data are for the standard product and could be changed by Y99.

#### **Details of conservation: (identification keys)**

A20	Application Mechanical engineering, general
B01	Climatic stress temperate climate zones, central european conditions
B15	Internal corrosion prevention Castrol Alpha SP 220 S, up to 24 months
B28	External corrosion prevention TECTYL 846 K-19
B41	Coating system Standard coating, finishing coat, moderate climatic zones
C00	Color: Color RAL 5015 sky blue

#### Y99: Additional plaintext

Same to 4041332-20-1