

VA TECH ELIN EBG**CUSTOMER: HORMOZGAN CEMENT CO.**

Proforma Invoice No: OW4403063/2

SPARE PART PRICE LISTE		
ITEM	QTY	DESCRIPTION
		SPARE PARTS
		6,3 kV - slip ring motors
2	1	MV - SR - Motor (Fan mill) 2500 kW/742 rpm
		type HRR-010 B06,
		rated power: 2500 kW
		rated voltage: 6300 kV, 50 Hz
		speed: 992 rpm
		spare type for ser. No.: 525323 94001 &
		525348 94001
		dimension see draw. No. 6098794
		weight net: appr. 15.300 kg
		see techn. data sheet
		Country of origin: Austria
		Customs tariff No.: 8501 5399
		delivery time: appr. 8 month
		1 wooden case: gross weight appr. 16.700 kg
		dim.: appr. 425 x 280 x 260 cm
		Total Price for item 2
		for delivery FCA (EX works) Weiz
		Freight charges for delivery of item 2
		CPT TEHRAN by truck
		TOTAL PRICES FOR DELIVERY OF ITEM 2
		CPT TEHRAN BY TRUCK

VA TECH ELIN EBG
HORMOZGAN CEMENT
P/O No. OW4403063

Main terminal box

- Degree of protection
- Amount of connections
- Position from DE
- Cable entrance
- Size of cable entrance

- : 1
- : IP 55
- : 3
- : on the right hand side
- : from bottom
- : 3x (59-70) mm

Star point terminal box

- : none

Rotor terminal box

- Position from DE
- Degree of protection
- with filter
- Amount of connections
- Cable entrance
- Size of cable entrance

- : 1
- : on the right hand side
- : IP 23
- : yes
- : 3
- : from bottom
- : 9x Pg 42 (34-45) mm

Auxiliary terminal box

- Position, from DE
- Separated for

- : 2
- : on the right hand side
- : RTD's and space heater

Balancing quality

- : G 2,5 acc. to DIN ISO 1940 – 1 (The rotor will be balanced by means of half key in accordance with DIN VDE 0530 part 14.)

Smoothness of running Tests

- : Grade N according to EN 60034-14 at rigid mounting
- : routine test in our factory acc. to EMG standard test schedule

Accessories:

- 3 RTD's (Pt 100) in the stator winding, without monitoring equipment
- 1 RTD (Pt 100) on each bearing side, without monitoring equipment
- RTD's in 3-wire design from terminal box, with 1x Pg 21
- 1 space heater (220V), lead to aux. terminal box with 1x Pg 16

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Item (525323 94001 & 525348 94001) : 2 Mill fan motor
 Type : HRR-010 B08
 Kind of motor : Three phase asynchronous motor with slip-ring ratio,
 Designed, proofed and tolerances : EN 60034

Rated output (P_N) : 2500 kW
 Duty : S1
 Rated voltage (U_N) : 6300 V +/- 5 %
 Connection : Star
 Frequency : 50 Hz
 Rated speed : 992 rpm
 Direction of rotation : clockwise
 Overspeed : 1200 rpm for max. 2 minutes

Efficiency (eta) : 95,8 %
 Power factor (cosPhi) : 0,87

Full load current (FLC) : 275 A
 Rated torque (FLT) : 24067 Nm
 Break down torque (M_k) : 2,3 x FLT
 Moment of inertia (J) : 320 kgm²
 Mass of motor, appr. : 15100 kg

Driven load : fan
 Load moment of inertia (J) : unknown
 Load torque curve : unknown
 Starting frequency : could not be checked

Method of starting : by means of a rotor starter (not included in price and scope of supply)
 Continuous contact brushes : yes
 Rotor voltage U_{20} : 1760 V
 Rotor current I_2 : 732 A

Insulation / temperature rise : F / F
 Degree of protection : IP 54
 Method of cooling : IC 511 tube cooled
 Mounting : IM 1001 (B3)
 Shaft end(s) : 1, normal, cylindrical
 Type of bearings : regreaseable antifriction bearings
 - Lubrication : grease
 Coupling : direct, flexible
 Additional load : none
 : none

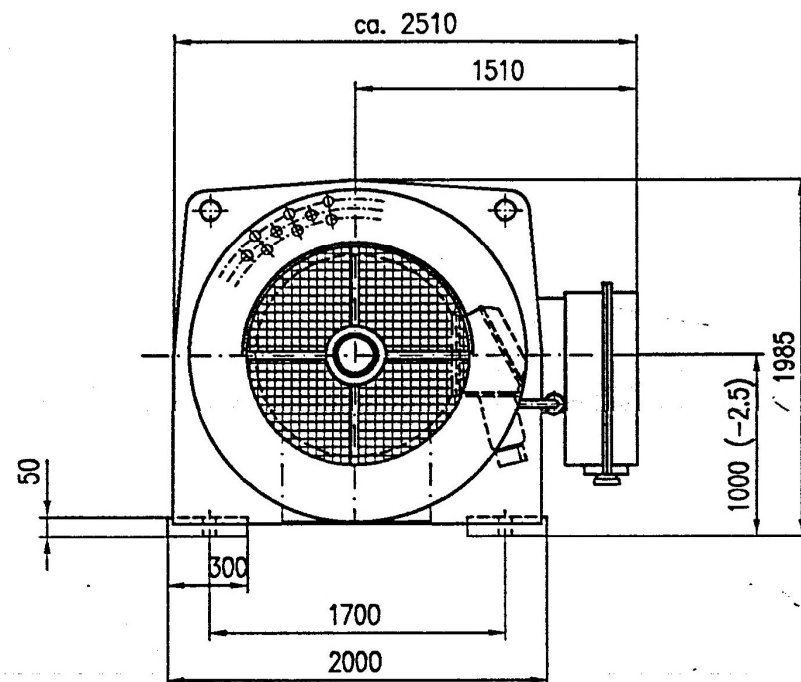
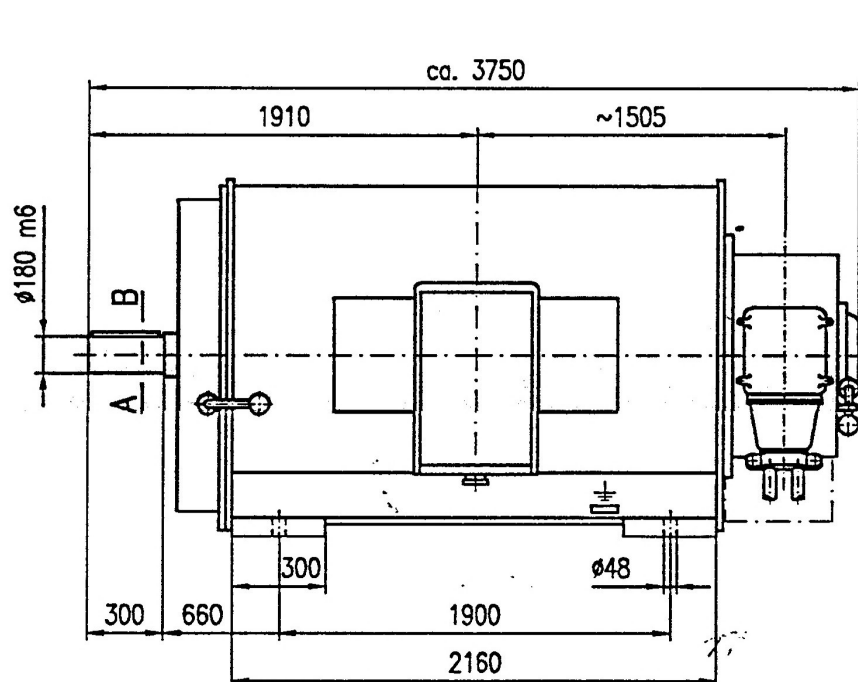
Installation : outdoors
 Ambient temperature min. / max. : -20 / +50 °C
 Altitude of installation, max. : 500 m above sea level
 Climatic protection stage : K2 (Protection against 100 % air humidity and chemically aggressive atmosphere)

Final painting : Standard RAL 5012

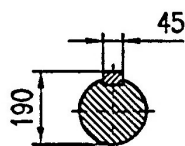
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Alle Maße in (mm) / Dimensions are indicated in (mm)



Schnitt A-B
Section A-B



HRR 010 B..

Drehstrom-Asynchronmotor mit Schleifringläufer
Three-phase slip-ring induction motor

ELIN EBG
Motoren

6098794

B3, IP 54, IC 511 bis / up to 10500 V
4-12 polig / 4-12 pole Wälzlager / Roller bearings

Abt. / Dept.: EMG-TP2	Blatt / Sheet
Datum / Date: 31.07.2001	von / of
Änderung / Mod.: (1) Ansatz KK	
Bearbeiter / Person in charge: Ing. Kremser	
Format A4	



ELIN
Motoren

A Trasys Company

ELIN Motoren GmbH
Elin-Motoren-Straße 1
8160 Preding/Weiz
Austria

05

3-Phase Asynchronous-Motor HRR010B06

fab. no. 526793 11001

2500 kW

S1

year of fabr.: 2011

DIN EN 60034

Y 6300 V +/-5%

275 A

ambient temp. -20/+50 °C



U V W

992 1/min



V U W

50 Hz

$\cos\phi = 0.87$

I.Cl. F / F

IP 54 / IP 23

rotor

Y 1760 V

870 A

3 slot- and 2 bearing therm. PT100

space heater: 2x 1090 W 230 V

05

CE

mass: 15200 kg