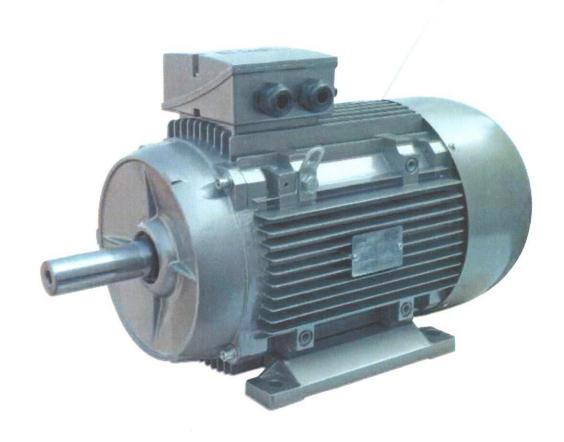
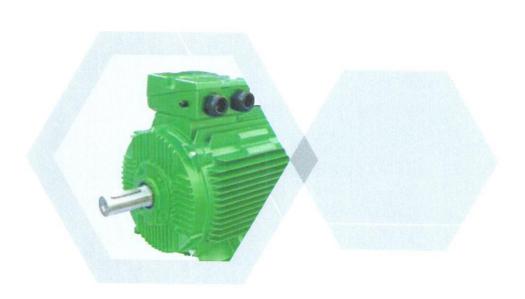


PRODUCT LINE





Mining motors:

CAG Electric Machinery

Series: XB-low voltage mines motors

Area: Exd I Power: 2,2-315kW Seat No: H90-355-Full stell Poles: 2-10 Voltage: 380 to 1140V Frequency: 50Hz Insulation class: F/H Protection: IP55 Cooling: IC411

Alternative: Form: IM:B3,B5,B35



Series: XBQ-motor for shearer traction

Area: Exd I Power: 22-75kW Poles: 4 Voltage: 380,660,1140V Frequency: 50Hz Insulation class: H Protection: IP44 Cooling: water



Series: XBH-High voltage mines motors

Area: Exd I
Power: 110-315kW
Seat No: H280-355-Full stell
Poles: 4
Voltage: 3300V
Frequency: 50Hz
Insulation class: F/H
Protection: IP55
Cooling: IC411, IC3W7
Alternative:
Form: IM:B3, B5, B35



Series: XBU-motor for roadheader

Area: Exd I Power: 11–200kW Poles: 4 Voltage: 660,1140V Frequency: 50Hz Insulation class: H Protection: IP55 Cooling: IC411,01 Mounting: IMB5



Special mining machines:

Series: XBCS-motor for shearer

Area: Exd I Power: 160-400kW Poles: 4 Voltage: 660, 1140, 3300V Frequency: 50Hz Insulation class:H Protection: IP55 Cooling: water



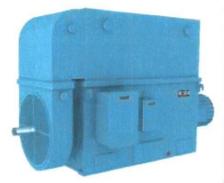
Series: HBSG-mines transformers

Type: dry type transformers Area: Exd I Insulation class: H Protection: IP55



Series: HR-slip ring motors

Power: 220-11200kW Seat No: H355-1120-steel Poles: 2-24 Voltage: 3kV, 6kV, 10kV Frequency: 50/60Hz Insulation class: F/H Protection: IP55 Cooling: IC06,411, 416,81W, 86W, 611, 616.



Frequency convertors:

High voltage:

Series: GDH - high voltage invertas

Power: 175-7100kW Input voltage: 3-10kV Output frequency: 0-120Hz Operation mode: Vector device Overload: 120% for 1min, 160% fo 1sec Cooling: AIR Protection: IP20



Frequency convertors:

Low voltage:

Standard:

Output frequency: 0-400Hz

Voltage: 400 or 690V

Control mode: V/F sensorless vector control

Overload: 150%–1min, 180%–10sec, 200%–1sec

Filter: C3 as standard for GD1 and GD2

Braking modul: to 30kW

Cooling: AIR

Protection: IP20

Frequency Setting: Digital setting, analog setting, pulse frequency setting, multi-stage speed running setting, simple PLC setting, PID setting, MODBUS communication setting. Realize the shifting between the set combination and set channel. (Profibus on request)

Type:

Series: GD1-threephase, 0,75kW-15kW

Series: GD2-threephase, 1,5kW-500kW

Series: GD3-threephase, 300kW-2000kW



Flame proof motors:

Series: HB-low voltage motors

Area: Exd II, BT1-4, IICT1-4
Power: 0,75-355kW
Seat No: H80-400-cast iron
Poles: 2-10
Voltage: 230 to 690V
Frequency: 50/60Hz
Insulation class: F/H
Protection: IP55
Cooling: IC411



Series: HBH-high voltage motors

Area: Exd II, BT1-4, IICT1-4
Power: 185-1800kW
Seat No: H355-800-cast iron
Poles: 2-10
Voltage: 3kV, 6kV, 10kV
Frequency: 50/60Hz
Insulation class: F/H
Protection: IP55
Cooling: IC411,511



Electric motors:

Low voltage motors:

Series: HA-three phase motors

Power: 0,04–55kW Seat No: H56–H160 Aluminium H160-H250-cast iron Poles: 2,4,6,8 Efficiency: IE1,IE2,IE3 Standard voltage: 230/400V - 400/690V Frequency: 50/60Hz Insulation class: F Protection: IP55





Series: HG- three phase motors

Power:11-355kW Seat No: H160-H355-cast iron Poles: 2,4,6,8,10 Efficiency: IE1,IE2,IE3 Standard voltage: 230/400V - 400/690V Frequency: 50/60Hz Insulation class: F/H Protection: IP55 Cooling: IC411, 416 Alternative: two speeds,brake motors

Form IM: B5,B35



Series: HGH-three phase motors

Power: 355-1200kW Seat No: H355-H500-cast iron Poles: 2,4,6,8,10,12 Efficiency: IE2 Standard voltage: 230/400V - 400/690V Frequency: 50/60Hz Insulation class: F/H Protection: IP55 Cooling: IC411, 416 Alternative: Form IM: B5



Series: HM-single phase motors

Power:0,04-3kW Seat No: H56-H112 aluminium frame Poles: 2,4,6 Standard voltage:230V Frequency: 50/60Hz Insulation class:F Protection: IP55 Cooling: IC411, 416 Alternative: Form IM: B5,B14,B35,B34



High voltage motors:

Series: HJ-scuirrell cage motors

Power: 200-2000kW Seat No: H355-H630-cast iron Poles: 2,4,6,8,10,12 Voltage: 3kV, 6kV, 10kV Frequency: 50/60Hz Insulation class: F/H Protection: IP55 Cooling: IC01,411, 416 Alternative: Form IM:B3,B35



Series: HK-scuirrell cage motors

Power: 180-5500kW Seat No: H355-1120-steel Poles: 2-24 Voltage: 3kV, 6kV, 10kV Frequency: 50/60Hz Insulation class: F/H Protection: IP55 Cooling: IC06,411, 416,81W, 86W, 611,616.

