



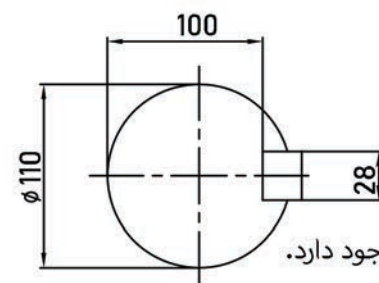
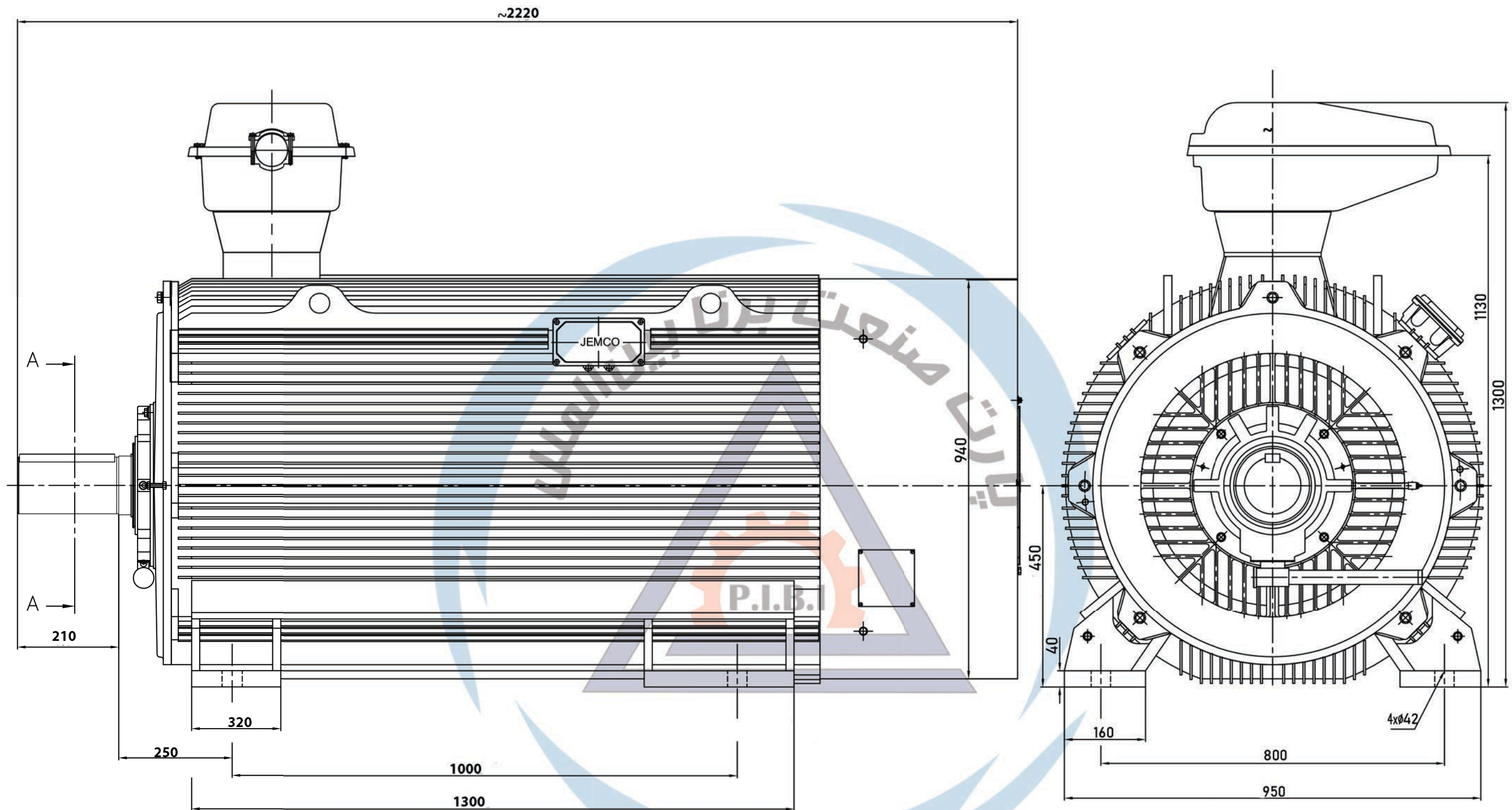
# DATA SHEET JEMCO



الکتروموتور ۵۶۰ کیلووات ۱۵۰۰ دور ماشینهای الکتریکی جوبین (جمکو)

**Subject: Medium voltage squirrel cage induction motors**

|                                                         |                              |                 |                    |                                                                                                              |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
|---------------------------------------------------------|------------------------------|-----------------|--------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|--|--|--|
| Customer                                                |                              |                 |                    | Manufacturer <b>Jemco</b>                                                                                    |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| Motor Type <b>YJS450-4</b>                              |                              |                 |                    | Average sound pressure level                                                                                 |                                                                                                                                                                                                                                                                        | No load | load |  |  |  |
| Frame Size <b>450</b>                                   | Number of poles <b>4</b>     |                 |                    |                                                                                                              |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| Mounting design <b>IM B3</b>                            | Type of encloser <b>IP55</b> |                 |                    | Direction of rotation both <input type="checkbox"/> CW <input type="checkbox"/> CCW <input type="checkbox"/> |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| EX-Protective syster <b>safe</b>                        |                              |                 |                    | Bearing DE/NDE <b>6324-C3 / 6322-C3</b>                                                                      |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| Duty type <b>S1</b>                                     | Starting                     |                 |                    | Lubrication <b>Li Base Grease</b>                                                                            |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| Ambient Temperture <b>40 C</b>                          |                              |                 |                    | Type of lubrication <b>K3N Din 51825</b>                                                                     |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| Thermal classification <b>F</b>                         | Tempertur rise <b>B</b>      |                 |                    | typical Test <b>IEC60034-1</b>                                                                               |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| Term motor protection <b>optional</b>                   |                              |                 |                    | outline dimention drawing No. <b>available</b>                                                               |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| Retad output <b>560KW</b>                               |                              |                 |                    | Location of Terminal Box <b>optional</b>                                                                     |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| rated voltage <b>6000V+-5%</b>                          |                              |                 |                    | Additional Sensor <b>optional</b>                                                                            |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| connection <b>DELTA</b>                                 |                              |                 |                    | space heater <b>optional</b>                                                                                 |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| Ferquency <b>50 HZ.</b>                                 | speed <b>1486 rpm</b>        |                 |                    | Net weight approx. <b>3900 Kg+-10%</b>                                                                       |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| Rated current <b>64.7 A</b>                             |                              |                 |                    | painting <b>RAL 7032</b>                                                                                     |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| Starting Current $(I_A/I_N)$ <b>6.38</b>                |                              |                 |                    | Termal Protection <b>optional</b>                                                                            |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| Power Factor                                            |                              | 4/4             | 3/4                | 1/2                                                                                                          | Additional Sensor <b>optional</b>                                                                                                                                                                                                                                      |         |      |  |  |  |
|                                                         |                              | 0.88            |                    |                                                                                                              | Frame Material <b>Structural Steel</b>                                                                                                                                                                                                                                 |         |      |  |  |  |
| Efficiency                                              |                              | 4/4             | 3/4                | 1/2                                                                                                          | Additional data and remarks:<br>1- permisslibie percentage Voltage imbalance not greater than 1%<br>2-Cold Starting per Hour(3)<br>3- Hot Starting per Hour(2)<br>4- Maximum Hot starting Time not more than 60 second<br>5- Maximum cold Time not more than 80 second |         |      |  |  |  |
|                                                         |                              | 94.5            |                    |                                                                                                              |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| Rated torque $(T_N)$                                    |                              |                 |                    |                                                                                                              |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| starting torque $(T_s/T_N)=$ <b>0.87</b>                |                              |                 |                    |                                                                                                              |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| Break-down torque $(T_{max}/T_N)=$ <b>1.83</b>          |                              |                 |                    |                                                                                                              |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| Rotor class/material <b>squirrel cage</b> <b>copper</b> |                              |                 |                    |                                                                                                              |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| Rotor voltage                                           |                              | Rotor current   |                    |                                                                                                              |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| Rotor inertia                                           |                              | <b>148 Kgm2</b> |                    |                                                                                                              |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| cooling method                                          |                              | <b>IC411</b>    |                    |                                                                                                              |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| altitude of instalation                                 |                              | <b>1000m</b>    |                    |                                                                                                              |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
|                                                         | Date                         | Name            | Tolerances acc. To |                                                                                                              | NC.                                                                                                                                                                                                                                                                    |         |      |  |  |  |
| Designed                                                |                              |                 |                    |                                                                                                              |                                                                                                                                                                                                                                                                        |         |      |  |  |  |
| checked                                                 |                              |                 |                    |                                                                                                              |                                                                                                                                                                                                                                                                        |         |      |  |  |  |



کلیه ابعاد بر حسب میلی متر است  
امکان تولید الکتروموتور بر طبق ابعاد مورد نظر مشتری وجود دارد.  
سایر ولتاژها نیز قابل طراحی و تولید می باشد.

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Additional Information.:

## Electromotor 560 Kw-6Kv-4Pole

Type Of Construction:  
IMB3

Protection:  
IP55

Cooling:  
IC411

Sheet: 1/1

Size: A3

Drawn

Checked

Approved

Date

Jovain electrical machines Co.  
(JEMCO)  
Engineering Dept.

Title:

Outline drawing

Order No.:

YJS 450-4