



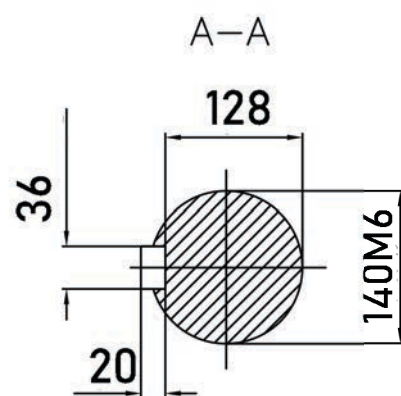
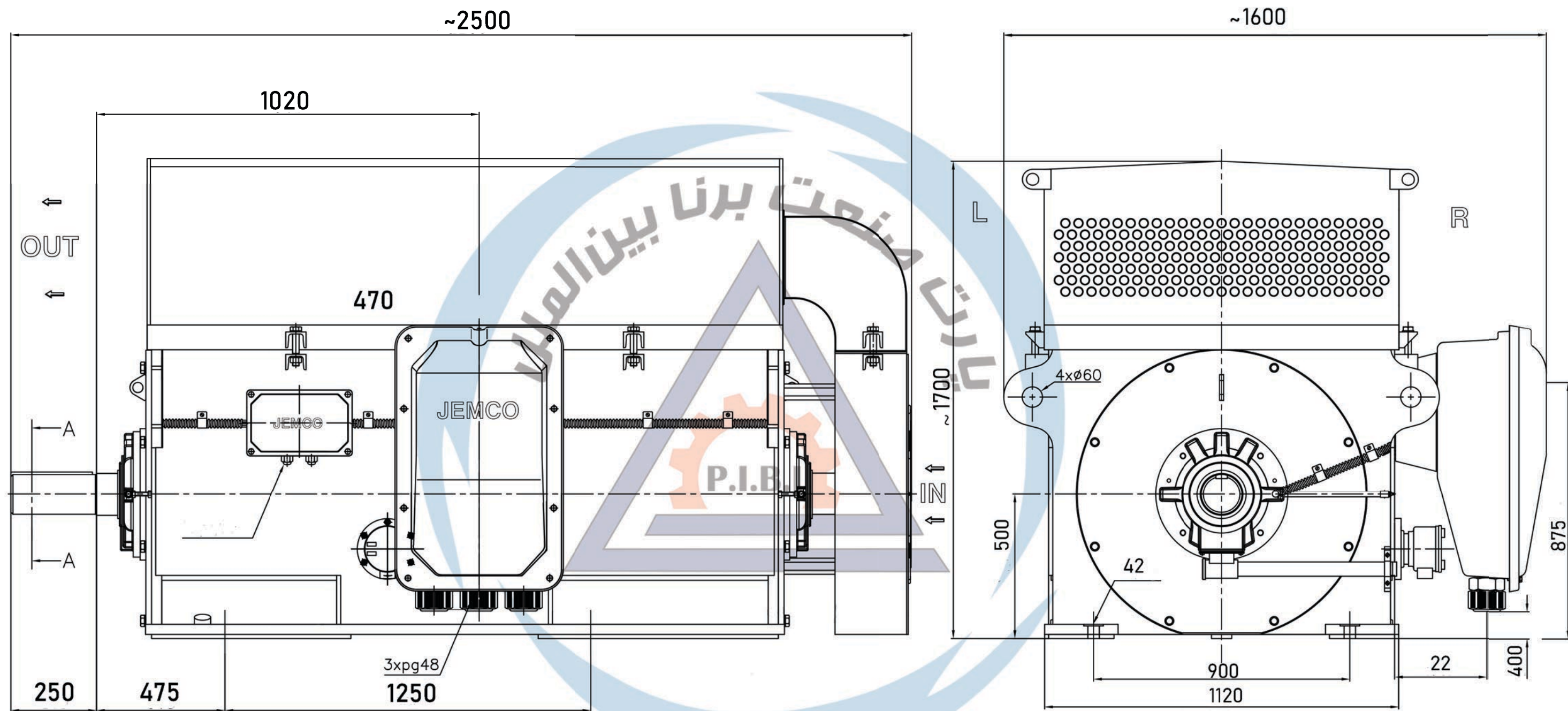
# DATA SHEET JEMCO



الکتروموتور ۹۰۰ کیلووات ۱۰۰۰ دور ماشینهای الکتریکی جوبن (جمکو)

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

|                                                         |                              |                   |                    |                                                                                                              |                                                                                                                                                                                                                                                                       |         |      |  |  |
|---------------------------------------------------------|------------------------------|-------------------|--------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|--|--|
| Customer                                                |                              |                   |                    | Manufacturer <b>Jemco</b>                                                                                    |                                                                                                                                                                                                                                                                       |         |      |  |  |
| Motor Type <b>YK1503-6AO</b>                            |                              |                   |                    | Average sound pressure level                                                                                 |                                                                                                                                                                                                                                                                       | No load | load |  |  |
| Frame Size <b>500</b>                                   | Number of poles <b>6</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>NU330-c3/6330-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>900KW</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>992 rpm</b>         |                   |                    | Net weight approx. <b>4790 Kg+-10%</b>                                                                       |                                                                                                                                                                                                                                                                       |         |      |  |  |
| Rated current <b>101 A</b>                              |                              |                   |                    | painting <b>RAL 7032</b>                                                                                     |                                                                                                                                                                                                                                                                       |         |      |  |  |
| Starting Current $(I_A/I_N)$ <b>6</b>                   |                              |                   |                    | Termal Protection <b>optional</b>                                                                            |                                                                                                                                                                                                                                                                       |         |      |  |  |
| Power Factor                                            |                              | 4/4               | 3/4                | 1/2                                                                                                          | Additional Sensor <b>optional</b>                                                                                                                                                                                                                                     |         |      |  |  |
|                                                         |                              | 0.85              |                    |                                                                                                              | Frame Material <b>Structural Steel</b>                                                                                                                                                                                                                                |         |      |  |  |
| Efficiency                                              |                              | 4/4               | 3/4                | 1/2                                                                                                          | Additional data and remarks:<br>1- permisslbie 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 |         |      |  |  |
|                                                         |                              | 95.2              |                    |                                                                                                              |                                                                                                                                                                                                                                                                       |         |      |  |  |
| Rated torque $(T_N)$ <b>8663</b>                        |                              |                   |                    |                                                                                                              |                                                                                                                                                                                                                                                                       |         |      |  |  |
| starting torque $(T_s/T_N)=$ <b>0.7</b>                 |                              |                   |                    |                                                                                                              |                                                                                                                                                                                                                                                                       |         |      |  |  |
| Break-down torque $(T_{max}/T_N)=$ <b>1.8</b>           |                              |                   |                    |                                                                                                              |                                                                                                                                                                                                                                                                       |         |      |  |  |
| Rotor class/material <b>squirrel cage</b> <b>copper</b> |                              |                   |                    |                                                                                                              |                                                                                                                                                                                                                                                                       |         |      |  |  |
| Rotor voltage                                           |                              | Rotor current     |                    |                                                                                                              |                                                                                                                                                                                                                                                                       |         |      |  |  |
| Rotor inertia                                           |                              | <b>54.00 Kgm2</b> |                    |                                                                                                              |                                                                                                                                                                                                                                                                       |         |      |  |  |
| cooling method                                          |                              | <b>IC611</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 900 Kw-6000Vlt-1000RPM |       |                                                          |                   |                 |
| Type Of Construction:               | IMB3  | Drawn                                                    |                   | Title:          |
| Protection:                         | IP55  | Checked                                                  |                   |                 |
| Ref.Dwg.No.                         |       | Approved                                                 |                   |                 |
| Cooling:                            | IC611 |                                                          | Engineering Dept. | Outline drawing |
| Project No.                         | 1     | Date                                                     | Name              |                 |
| Sheet:                              | 1/1   | Jovain electrical machines Co. (JEMCO) Engineering Dept. |                   | Order No.:      |
| Size:                               | A3    |                                                          |                   | YK1503-6A0      |