



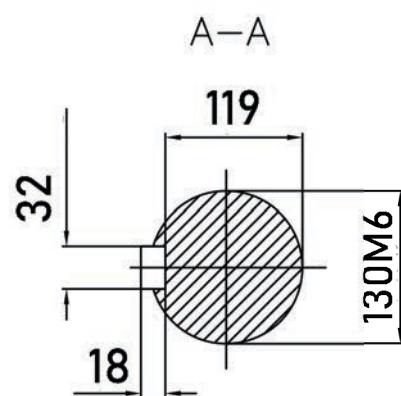
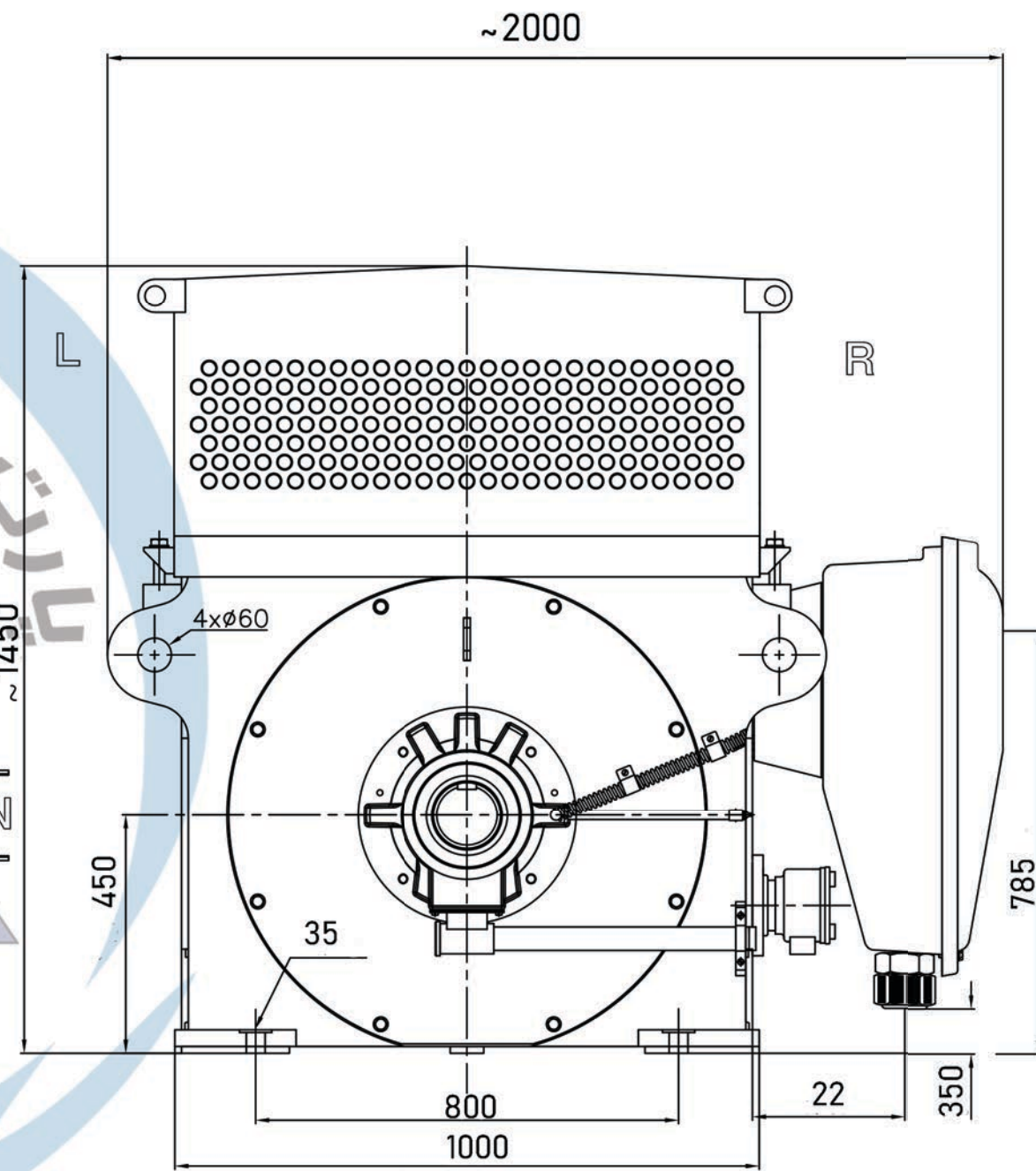
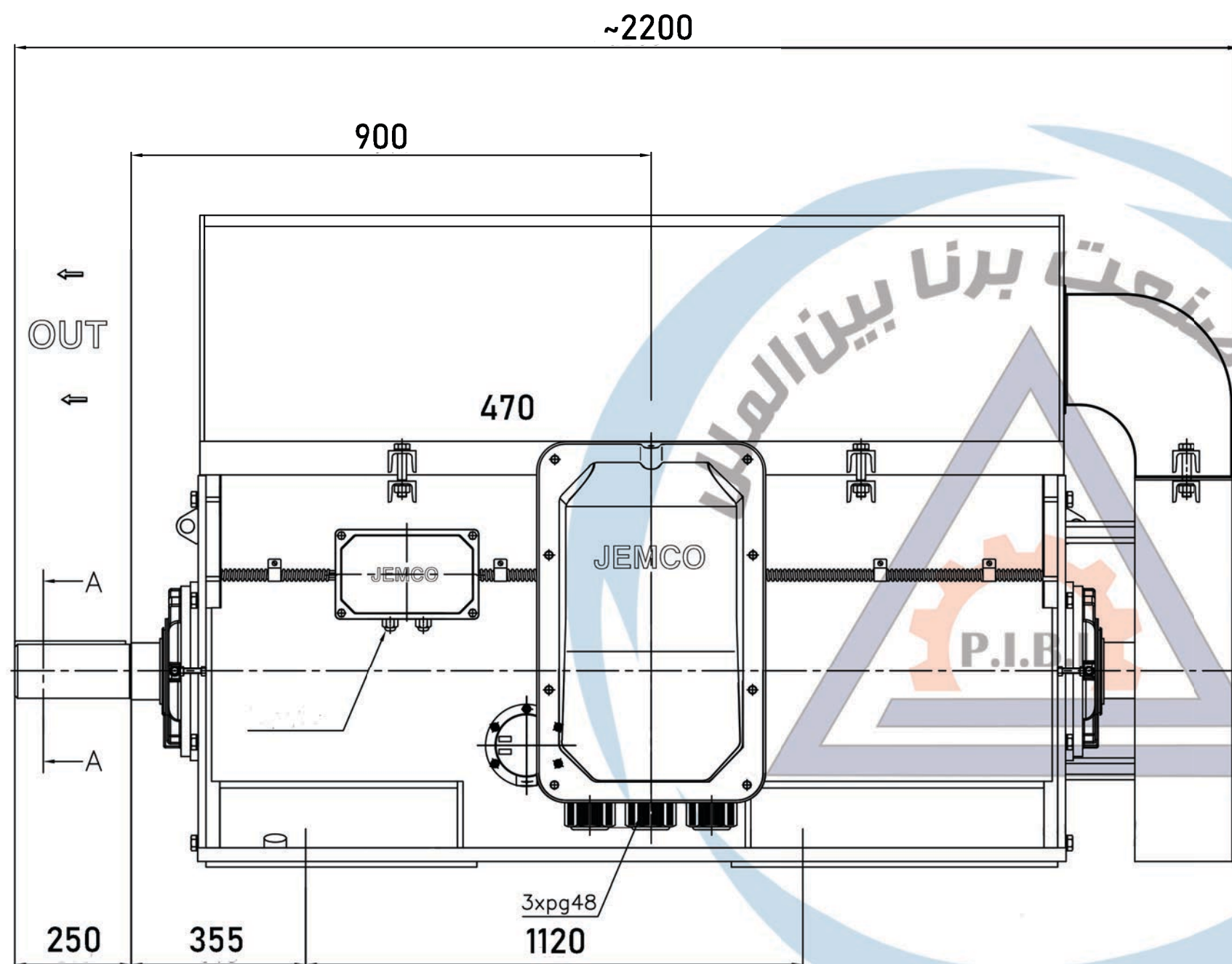
# DATA SHEET JEMCO



الکتروموتور ۵۰۰ کیلووات ۱۰۰۰ دور ماشینهای الکتریکی جوبین (جمکو)

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

|                                                               |  |                               |  |                                                                                                                     |  |         |  |                                                                                                                                                                                                                                                                             |  |                         |  |
|---------------------------------------------------------------|--|-------------------------------|--|---------------------------------------------------------------------------------------------------------------------|--|---------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------|--|
| Customer                                                      |  |                               |  | Manufacturer <b>Jemco</b>                                                                                           |  |         |  |                                                                                                                                                                                                                                                                             |  |                         |  |
| Motor Type <b>YK1452-6AO</b>                                  |  |                               |  | Average sound pressure level                                                                                        |  | No load |  | load                                                                                                                                                                                                                                                                        |  |                         |  |
| Frame Size <b>450</b>                                         |  | Number of poles <b>6</b>      |  |                                                                                                                     |  |         |  |                                                                                                                                                                                                                                                                             |  |                         |  |
| Mounting design <b>IM B3</b>                                  |  | Type of encloser <b>IP55</b>  |  | Direction of rotation <b>both</b> <input type="checkbox"/> CW <input type="checkbox"/> CCW <input type="checkbox"/> |  |         |  |                                                                                                                                                                                                                                                                             |  |                         |  |
| EX-Protective syster <b>safe</b>                              |  |                               |  | Bearing DE/NDE <b>NU328-c3/6328-c3</b>                                                                              |  |         |  |                                                                                                                                                                                                                                                                             |  |                         |  |
| Duty type <b>S1</b>                                           |  | Starting                      |  | Lubrication <b>Li Base Grease</b>                                                                                   |  |         |  |                                                                                                                                                                                                                                                                             |  |                         |  |
| Ambient Temperture <b>40 C</b>                                |  | Tempertur rise <b>B</b>       |  | Type of lubrication <b>K3N Din 51825</b>                                                                            |  |         |  |                                                                                                                                                                                                                                                                             |  |                         |  |
| Thermal classification <b>F</b>                               |  | typical Test                  |  | <b>IEC60034-1</b>                                                                                                   |  |         |  |                                                                                                                                                                                                                                                                             |  |                         |  |
| Term motor protection <b>optional</b>                         |  | outline dimention drawing No. |  | <b>available</b>                                                                                                    |  |         |  |                                                                                                                                                                                                                                                                             |  |                         |  |
| Retad output <b>500KW</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>991 rpm</b>          |  | Net weight approx. <b>3820 Kg+-10%</b>                                                                              |  |         |  |                                                                                                                                                                                                                                                                             |  |                         |  |
| Rated current <b>57 A</b>                                     |  | painting                      |  | <b>RAL 7032</b>                                                                                                     |  |         |  |                                                                                                                                                                                                                                                                             |  |                         |  |
| Starting Current <b>(I<sub>A</sub>/I<sub>N</sub>) 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     |  | <b>Additional data and remarks:</b><br>1- permisslbie percentage Voltage imbalance not greater than1%<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 <b>(T<sub>N</sub>) 4818</b>                      |  |                               |  |                                                                                                                     |  |         |  |                                                                                                                                                                                                                                                                             |  |                         |  |
| starting torque <b>(T<sub>s</sub>/T<sub>N</sub>)= 0.8</b>     |  |                               |  |                                                                                                                     |  |         |  |                                                                                                                                                                                                                                                                             |  |                         |  |
| Break-down torque <b>(T<sub>max</sub>/T<sub>N</sub>)= 1.8</b> |  |                               |  |                                                                                                                     |  |         |  |                                                                                                                                                                                                                                                                             |  |                         |  |
| Rotor class/material <b>squirrel cage</b>                     |  | <b>copper</b>                 |  |                                                                                                                     |  |         |  |                                                                                                                                                                                                                                                                             |  |                         |  |
| Rotor voltage                                                 |  | Rotor current                 |  |                                                                                                                     |  |         |  |                                                                                                                                                                                                                                                                             |  |                         |  |
| Rotor inertia <b>25.50 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 500 Kw-6000Vlt-1000RPM |             |                                                                                                  |      |                 |
| Type Of Construction:               | IMB3        | Drawn                                                                                            |      | Title:          |
| Protection:                         | IP55        | Checked                                                                                          |      | Outline drawing |
| Cooling:                            | IC611       | Approved                                                                                         |      |                 |
| Ref.Dwg.No.                         | Project No. | Date                                                                                             | Name | Order No.:      |
|                                     |             |                                                                                                  |      |                 |
| Sheet: 1/1                          | Size: A3    | Jovain electrical machines Co.<br>(JEMCO)<br>Engineering Dept.                                   |      |                 |
|                                     |             |  YK1452-6A0 |      |                 |