



# DATA SHEET JEMCO



## Subject: Low voltage squirrel cage induction motors

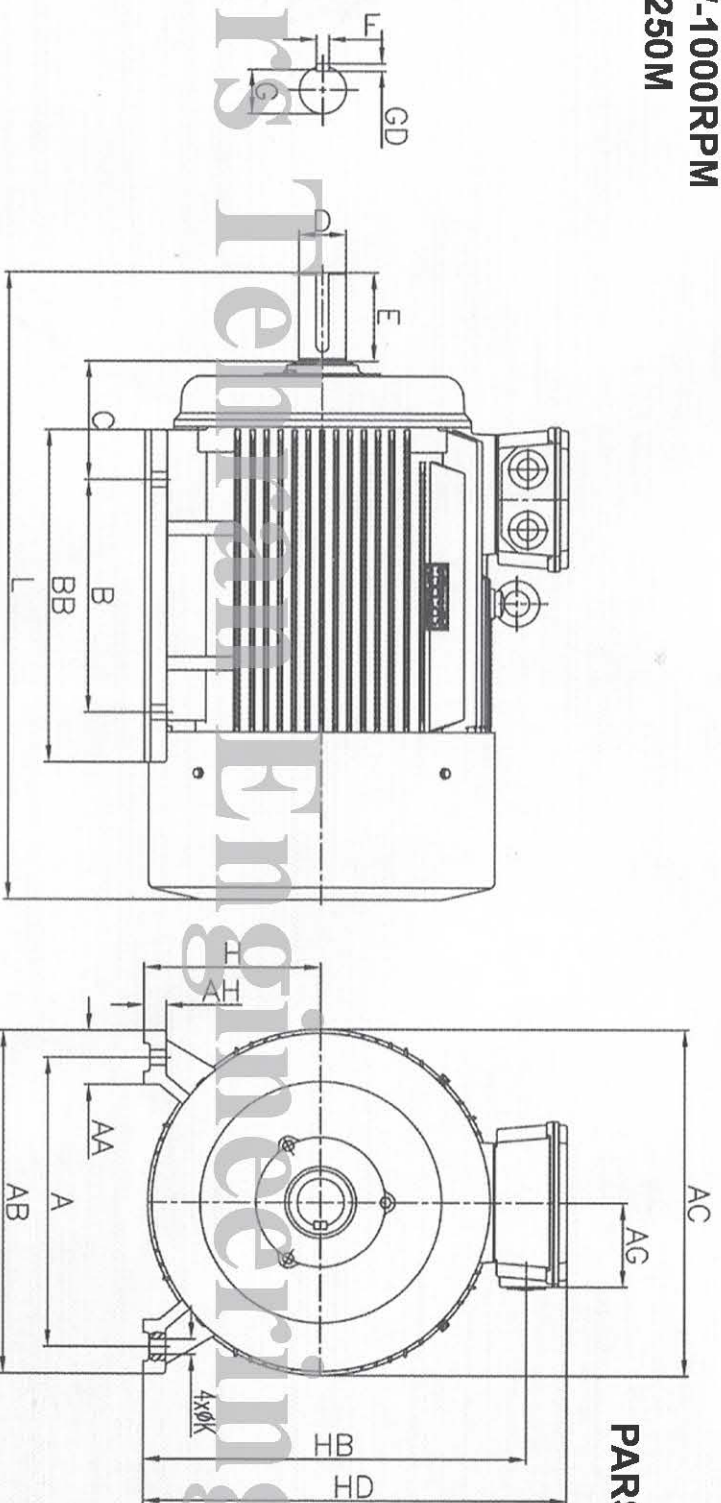
|                        |        |                                    |   |   |         |      |
|------------------------|--------|------------------------------------|---|---|---------|------|
| Customer               |        |                                    | Manufacturer <span style="float: right;">Jemco</span>             |   |         |      |
| Motor Type             |        | YD1251-6A0                         |   | Average sound pressure level  | No load | load |
| Frame Size             | 250M   | Number of poles                    | 6   |   |         |      |
| Mounting design        | B3     | Type of encloser                   | IP-55   | Direction of rotation <span style="float: right;">both <input type="checkbox"/> CW <input type="checkbox"/> CCW <input type="checkbox"/></span> |         |      |
| EX-Protective system   |        |                                    | Bearing DE/NDE <span style="float: right;">6208-2z/6208-2z</span> |   |         |      |
| Duty type              | S1     | Starting                           |   | Lubrication   |         |      |
| Ambient Temperture     |        | 55 C                               |   | Type of lubrication   |         |      |
| Thermal classification | F      | Tempertur rise                     | B   | Relubrication   |         |      |
| Term motor protection  |        |                                    | outline dimation drawing No.                                      |   |         |      |
| Retad output           |        | 37 KW                              |   | Location of Terminal Box  |         |      |
| rated voltage          |        | 380V                               |   | Number of terminals   |         |      |
| connection             |        | DELTA                              |   | Cable entry thread  |         |      |
| Ferquency              | 50 HZ. | speed                              | 977 rpm   | Net weight approx. <span style="float: right;">412 Kg</span>  |         |      |
| Rated current          |        | 67 A                               |   | Test  |         |      |
| Starting Current       |        | (I <sub>A</sub> /I <sub>N</sub> )  |   | Additional data and remarks:  |         |      |
| Power Factor           | 4/4    | 3/4                                | 1/2   | 1- Bearing Brand<br>European :SKF,FAG   |         |      |
|                        | 0.91   |                                    |   |   |         |      |
| Efficiency             | 4/4    | 3/4                                | 1/2   |   |         |      |
|                        | 90.8%  |                                    |   |   |         |      |
| Rated torque           |        | (M <sub>N</sub> )                  |   | 361 Nm  |         |      |
| starting torque        |        | (M <sub>A</sub> /M <sub>N</sub> )= |   |   |         |      |
| Break-down torque      |        | (M <sub>K</sub> /M <sub>N</sub> )= |   | 2%  |         |      |
| Rotor class            |        |                                    |   |   |         |      |
| Rotor voltage          |        | Rotor current                      |   |   |         |      |
| Moment of inertia      |        | 0.925 Kgm <sup>2</sup>             |   |   |         |      |
| Torque characteristic  |        |                                    |   |   |         |      |
| Attachments            |        |                                    |   |   |         |      |
|                        | Date   | Name                               | Tolerances acc. To  |   |         | NO.  |
| Designed               |        |                                    |   |   |         |      |
| checked                |        |                                    |   |   |         |      |

# YD1251-6A0

37KW-1000RPM  
250M



PARS TEHRAN ENG. CO.



For motor

Dimension symbols to

| Frame size | Type NO.   | poles | H   | A   | B   | C   | D  | E   | F  | G  | GD | K  | AA | AB  | BB  | AC  | AG  | HA | HD  | L   | HB  |
|------------|------------|-------|-----|-----|-----|-----|----|-----|----|----|----|----|----|-----|-----|-----|-----|----|-----|-----|-----|
| 250M       | YD1251-6A0 | 6     | 250 | 406 | 349 | 168 | 65 | 140 | 18 | 69 | 11 | 24 | 80 | 484 | 455 | 485 | 133 | 30 | 610 | 916 | 546 |

