



# DATA SHEET JEMCO



## Subject: Low voltage squirrel cage induction motors

|                          |        |                  |                                |  |   |      |
|--------------------------|--------|------------------|--------------------------------|--|---|------|
| Customer                 |        |                  | Manufacturer <b>Jemco</b>      |  |   |      |
| Motor Type               |        | YD1182-4A0       |                                | Average sound pressure level   | No load   | load |
| Frame Size               | 180L   | Number of poles  | 4                              |  |   |      |
| Mounting design          | B3     | Type of encloser | IP-55                          | Direction of rotation both <input type="checkbox"/> CW <input type="checkbox"/> CCW <input type="checkbox"/> |   |      |
| EX-Protective system     |        |                  | Bearing DE/NDE 6208-2z/6208-2z |  |   |      |
| 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             |        |                  | 22 KW                          |  | Location of Terminal Box  |      |
| rated voltage            |        |                  | 380V                           |  | Number of terminals   |      |
| connection               |        |                  | DELTA                          |  | Cable entry thread  |      |
| Ferquency                | 50 HZ. | speed            | 1470                           | rpm  | Net weight approx. 182 Kg   |      |
| Rated current            |        |                  | 43                             |  | A   |      |
| Starting Current (IA/IN) |        |                  | 7                              |  | Test  |      |
| Power Factor             |        | 4/4              | 3/4                            | 1/2  | Additional data and remarks:<br>1- Bearing Brand<br>European :SKF,FAG |      |
|                          |        | 0.86             |                                |  |   |      |
| Efficiency               |        | 4/4              | 3/4                            | 1/2  |   |      |
| Rated torque             |        | (Mn)             |                                | 143 Nm   |   |      |
| starting torque          |        | (Ma/MN)=         |                                |  |   |      |
| Break-down torque        |        | (Mk/MN)= 2%      |                                |  |   |      |
| Rotor class              |        |                  |                                |  |   |      |
| Rotor voltage            |        |                  | Rotor current                  |  |   |      |
| Moment of inertia        |        |                  |                                | 0.156 Kgm2   |   |      |
| Torque characteristic    |        |                  |                                |  |   |      |
| Attachments              |        |                  |                                |  |   |      |
|                          | Date   | Name             | Tolerances acc. To             |  |   | NO.  |
| Designed                 |        |                  |                                |  |   |      |
| checked                  |        |                  |                                |  |   |      |

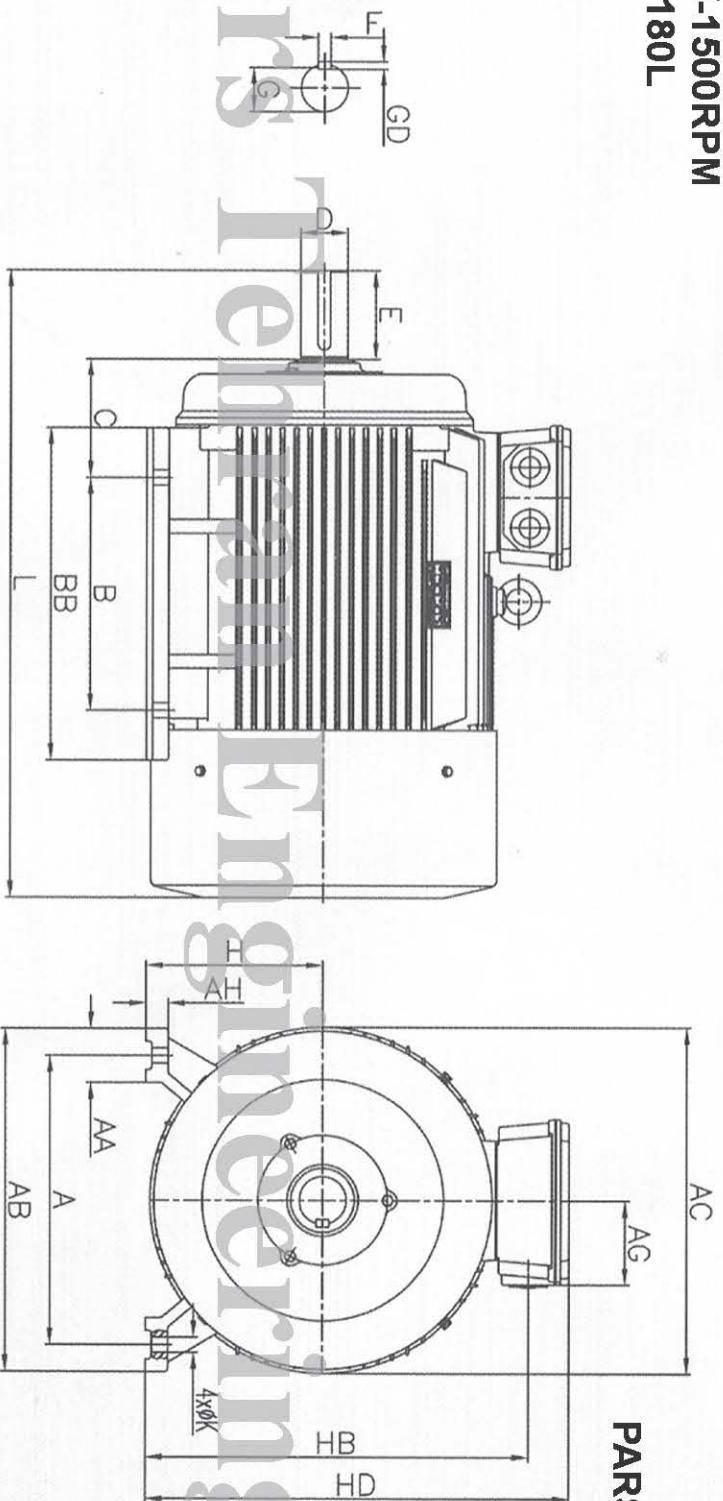
# YD1182-4A0

22KW-1500RPM

180L



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  |
|------------|------------|-------|-----|-----|-----|-----|----|-----|----|------|----|------|----|-----|-----|-----|----|----|-----|-------|-----|
| 180L       | YD1182-4A0 | 4     | 180 | 279 | 279 | 121 | 48 | 110 | 14 | 51.5 | 9  | 14.5 | 70 | 349 | 349 | 352 | 95 | 22 | 454 | 700.5 | 404 |

