

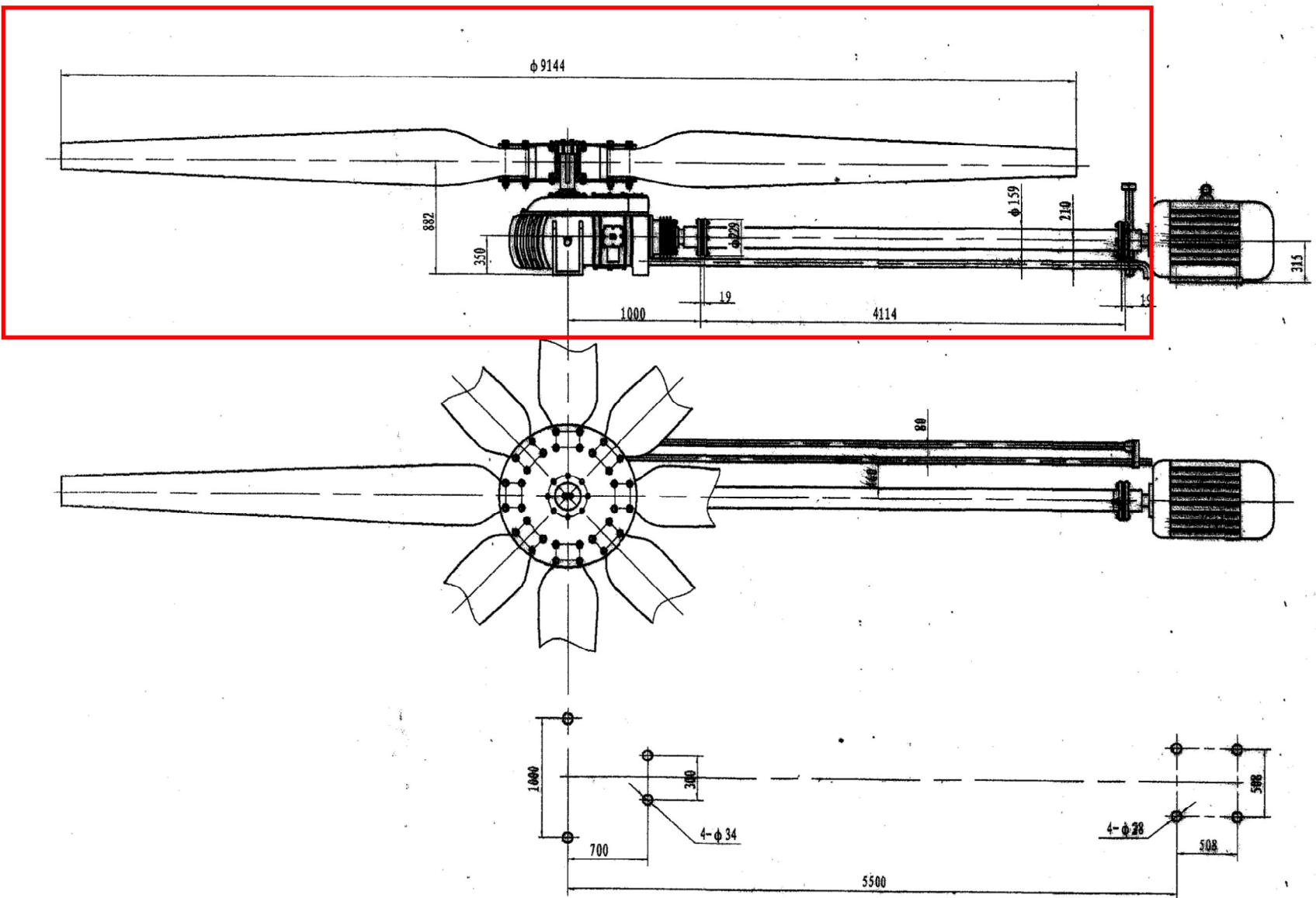


Figure 1 Assembly dimension figure of LF-92 I EZ<sub>6</sub> type fan

Table 1

| parameters                    |                                  |                | Fan Type                           | LF-92 I EZ 6                |     |
|-------------------------------|----------------------------------|----------------|------------------------------------|-----------------------------|-----|
| Performance Parameter of Fan  | Rotation Speed                   |                | r/min                              | 127                         |     |
|                               | Volume                           |                | $\times 10^4 \text{ m}^3/\text{h}$ | 240                         |     |
|                               | Total Pressure                   |                | Pa                                 | 170.05                      |     |
|                               | Blade Angle                      |                |                                    | 10°                         |     |
|                               | Number of Blades                 |                |                                    | 8                           |     |
|                               | Shaft Power                      |                | kW                                 | 131.9                       |     |
|                               | Efficiency                       |                | %                                  | 85.9                        |     |
|                               | Fan Weight                       |                | Kg                                 | 3162                        |     |
|                               | Gear Weight                      |                | Kg                                 | 1600                        |     |
| motor                         | Type                             |                |                                    | YPT315L <sub>2</sub> -4-WTH |     |
|                               | Power                            |                | kW                                 | 185                         |     |
|                               | Rotation Speed                   |                | r/min                              | 1500                        |     |
|                               | Weight                           |                | Kg                                 | 1650                        |     |
| Dynamic Load Parameter of Fan | Impeller                         | Weight         | Kg                                 | 1065                        |     |
|                               |                                  | Axial Force    | N                                  | 10914                       |     |
|                               |                                  | Torque Moment  | Kg · m <sup>2</sup>                | 19372                       |     |
|                               | Max Allowable Vibration Volocity |                |                                    | mm/s                        | 6.3 |
|                               | Vibration Rate                   | Rotor          | Hz                                 | 2.1                         |     |
|                               |                                  | Motor          | Hz                                 | 25                          |     |
| Torque Reaction               | Gearbox                          | R1             | N                                  | 19873                       |     |
|                               |                                  | R2             | N                                  | 13911                       |     |
|                               |                                  | R3             | N                                  | 1188                        |     |
|                               | Motor                            | Normal Load R4 | N                                  | 2339                        |     |
|                               |                                  | Max load R4    | N                                  | 5145                        |     |

|    |      |      |   |   |   |   |    |      |      |   |   |   |   |
|----|------|------|---|---|---|---|----|------|------|---|---|---|---|
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- |                     |                   |                            |                   |
|---------------------|-------------------|----------------------------|-------------------|
| 1-platen            | 2- hub            |                            |                   |
| 3-key (pin)         | 4-reducer         | 5-alarm of oil temperature | 6-street elbow    |
| 7-air pipe          | 8-vibration alarm | 9-street elbow             | 10-air pipe       |
| 11-oil pipe         | 12-semi coupler   | 13-air pipe                | 14-elastic film   |
| 15-connecting shaft | 16-air pipe       | 17-oil pipe                | 18-clamping plate |
| 19-oil leveler      | 20-angle iron     | 21-U-bolt                  | 22-semi coupler   |
| 23-motor            | 24-bolt           | 25-blade                   | 26-lower clamp    |
| 27-upper clamp      | 28-split pin      | 29-bolt                    |                   |

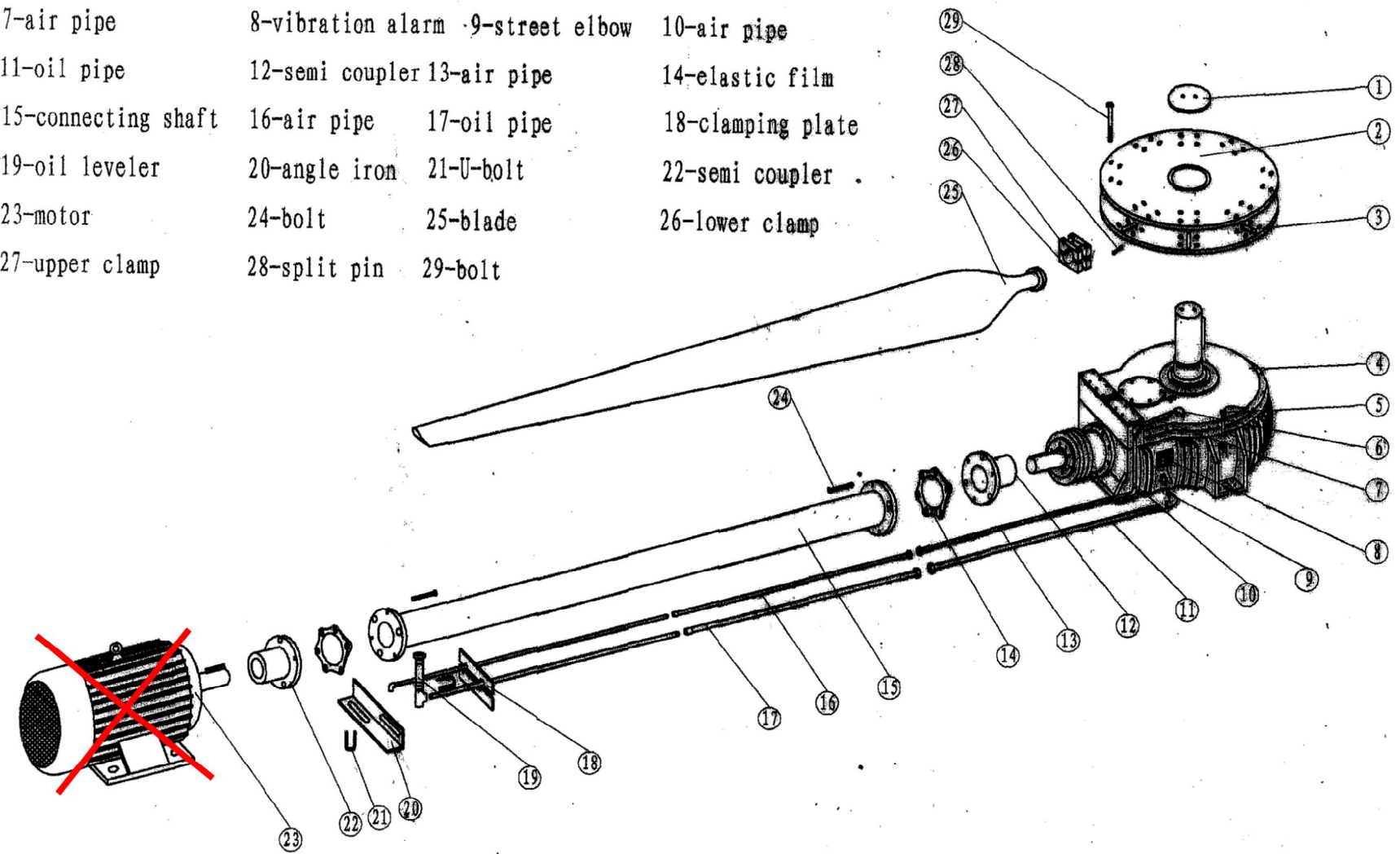


Figure 5 General assembly figure of the fan with single shaft

NAME PLATE GEARBOX

