

**FUKUTA®**

ENJOY

**e power**

**Traction Motor** IM/PM series

INNOVATION / ENTHUSIASM / CREDIBILITY

電動馬達 IM/PM系列

[www.fukuta-motor.com.tw](http://www.fukuta-motor.com.tw)



## » AC TRACTION MOTOR

### High Efficiency Induction Motor - IM series

|             | KW  | Peak KW | Rating RPM | MAX RPM | Rating torque (Nm) | MAX torque (Nm) | Weight (kg) |
|-------------|-----|---------|------------|---------|--------------------|-----------------|-------------|
| ECIW-180110 | 28  | 85      | 6000       | 18000   | 45                 | 135             | 20          |
| ECIW-180135 | 35  | 100     | 6000       | 18000   | 55.7               | 159.5           | 36          |
| ECIW-180160 | 45  | 120     | 6000       | 15000   | 71.6               | 191             | 45          |
| ECIW-210130 | 50  | 135     | 6000       | 16000   | 79.8               | 214.8           | 48          |
| ECIW-210152 | 60  | 160     | 6000       | 16000   | 95.5               | 254.6           | 61          |
| ECIW-210200 | 75  | 210     | 6000       | 14000   | 119.4              | 334.25          | 80          |
| ECIW-248120 | 85  | 245     | 6000       | 15000   | 135.3              | 389.9           | 77          |
| ECIW-248145 | 100 | 300     | 6000       | 15000   | 159.1              | 477.5           | 81          |
| ECIW-248165 | 120 | 335     | 6000       | 13000   | 191                | 533.2           | 94          |
| ECIW-280240 | 75  | 187     | 2500       | 4000    | 286.5              | 714.3           | 165         |
| ECIW-400350 | 180 | 360     | 2000       | 4000    | 859.4              | 1718.9          | 320         |

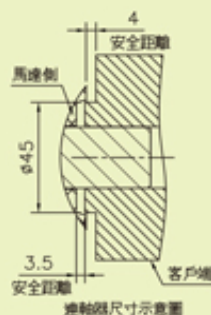
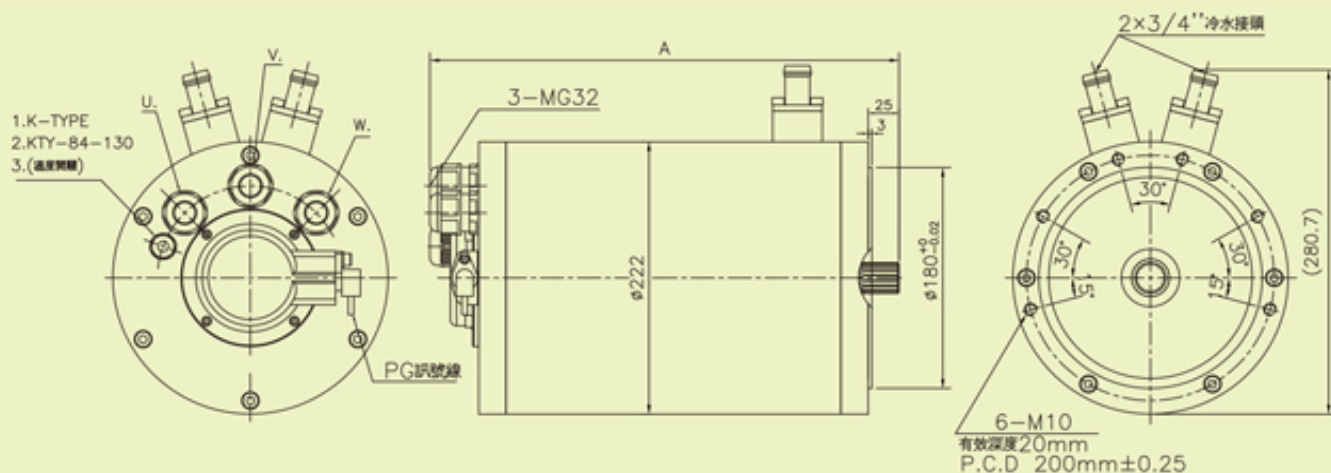
### High Efficiency synchronous Motor - PM series

|             | KW | Peak KW | Rating RPM | MAX RPM | Rating torque (Nm) | MAX torque (Nm) | Weight (kg) |
|-------------|----|---------|------------|---------|--------------------|-----------------|-------------|
| ECPW-180110 | 22 | 50      | 4000       | 14000   | 52.5               | 130             | 19          |
| ECPW-180135 | 30 | 65      | 4000       | 14000   | 71.6               | 155             | 34          |
| ECPW-180160 | 30 | 70      | 3500       | 12000   | 81.8               | 191             | 40          |
| ECPW-220110 | 45 | 110     | 4500       | 14000   | 95.5               | 238.7           | 47          |
| ECPW-220150 | 65 | 150     | 4500       | 14000   | 138                | 318             | 59          |
| ECPW-220180 | 80 | 165     | 4000       | 12000   | 190                | 400             | 78          |
| ECPW-280240 | 75 | 185     | 2000       | 3000    | 358.1              | 883.3           | 154         |

1. All the above specification is only for reference. The motor features and system are customized design.
2. For the Liquid Cooling power systems, please contact us for more information.



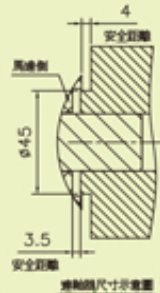
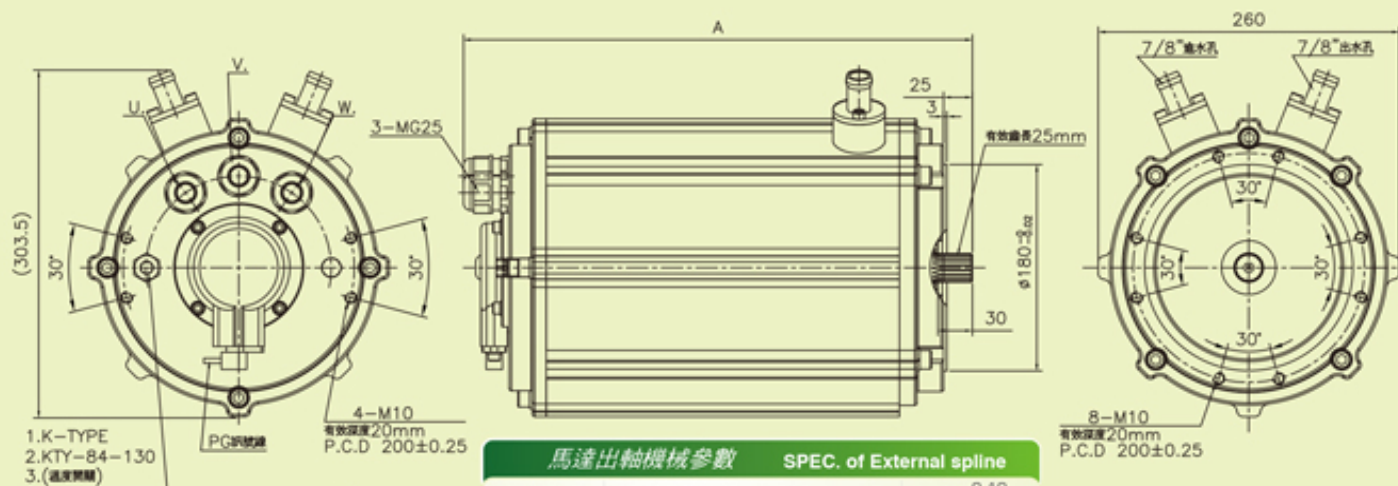
## EC-180



| 馬達出軸機械參數 |                           | SPEC. of External spline                                              |
|----------|---------------------------|-----------------------------------------------------------------------|
| 齒外徑      | Major Diameter            | $\varnothing 25 \begin{smallmatrix} -0.10 \\ -0.12 \end{smallmatrix}$ |
| 齒底徑      | Minor Diameter            | $\varnothing 22$                                                      |
| 模數       | Module                    | M1.25                                                                 |
| 壓力角      | Pressure Angle            | 20°                                                                   |
| 齒數       | Number Of tooth           | 18T                                                                   |
| 節圓直徑     | Pitch Circle Diameter     | $\varnothing 22.5$                                                    |
| 跨齒厚(3T)  | Span Measurement of Teeth | $10.22 \begin{smallmatrix} -0.05 \\ -0.08 \end{smallmatrix}$          |
| 齒深       | Depth of Tooth            | 1.5mm                                                                 |

| Model       | 尺寸  |
|-------------|-----|
| IM series   | A   |
| ECIW-180110 | 329 |
| ECIW-180135 | 354 |
| ECIW-180160 | 379 |
| PM series   |     |
| ECPW-180110 | 329 |
| ECPW-180135 | 354 |
| ECPW-180160 | 379 |

## EC-210



| 馬達出軸機械參數 |                           | SPEC. of External spline                                              |
|----------|---------------------------|-----------------------------------------------------------------------|
| 齒外徑      | Major Diameter            | $\varnothing 25 \begin{smallmatrix} -0.10 \\ -0.12 \end{smallmatrix}$ |
| 齒底徑      | Minor Diameter            | $\varnothing 22$                                                      |
| 模數       | Module                    | M1.25                                                                 |
| 壓力角      | Pressure Angle            | 20°                                                                   |
| 齒數       | Number Of tooth           | 18T                                                                   |
| 節圓直徑     | Pitch Circle Diameter     | $\varnothing 22.5$                                                    |
| 跨齒厚(3T)  | Span Measurement of Teeth | $10.22 \begin{smallmatrix} -0.05 \\ -0.08 \end{smallmatrix}$          |
| 齒深       | Depth of Tooth            | 1.5mm                                                                 |

| Model       | 尺寸    |
|-------------|-------|
| IM series   | A     |
| ECIW-210130 | 369.5 |
| ECIW-210152 | 391.5 |
| ECIW-210200 | 439.5 |

## EC-220

Model

| IM series   | A     | B   |
|-------------|-------|-----|
| ECPW-220110 | 355.5 | 85  |
| ECPW-220150 | 395.5 | 125 |
| ECPW-220180 | 425.5 | 155 |

**EC-248**

**SPEC. of External spline**

|         |                           |                                         |
|---------|---------------------------|-----------------------------------------|
| 齒外径     | Major Diameter            | ø 25 <sup>+0.10</sup> <sub>-0.12</sub>  |
| 齒底徑     | Minor Diameter            | ø 22                                    |
| 模數      | Module                    | M1.25                                   |
| 壓力角     | Pressure Angle            | 20°                                     |
| 齒數      | Number Of tooth           | 18T                                     |
| 節圓直徑    | Pitch Circle Diameter     | ø22.5                                   |
| 跨齒厚(3T) | Span Measurement of Teeth | 10.22 <sup>+0.05</sup> <sub>-0.08</sub> |
| 齒深      | Depth of Tooth            | 1.5mm                                   |

Model尺寸

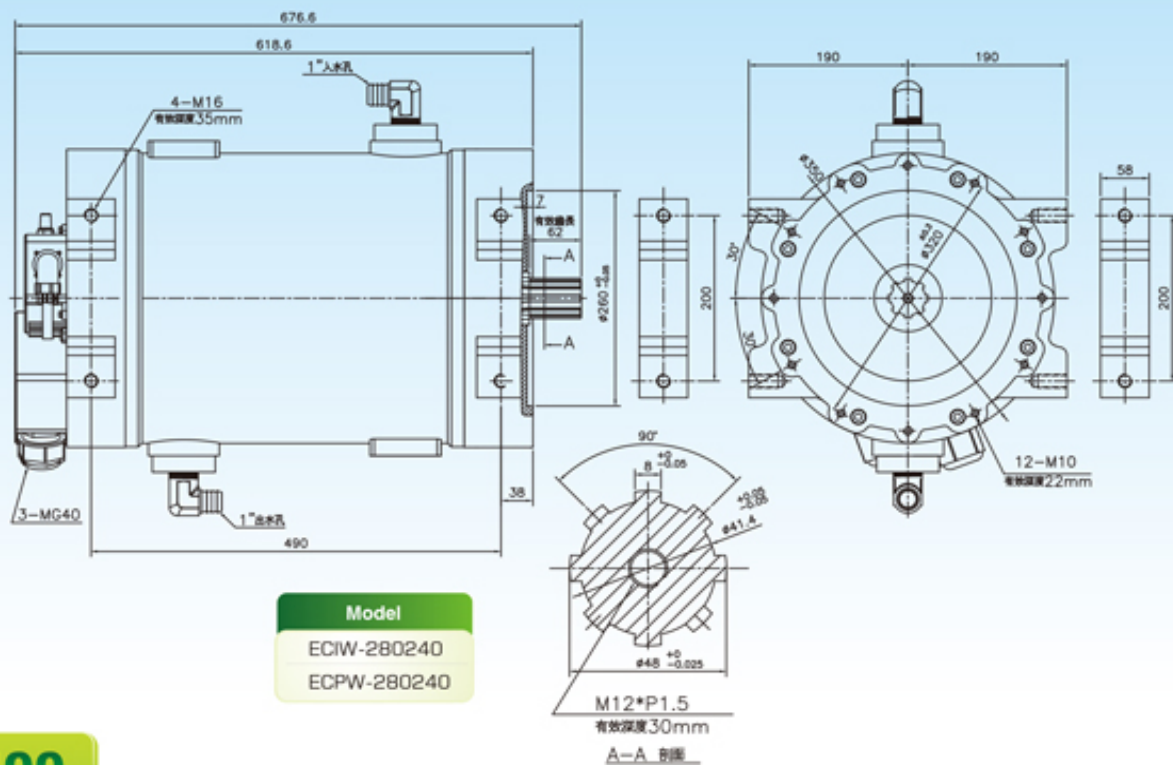
| IM series   | A   | B  |
|-------------|-----|----|
| ECIW-248120 | 393 | 10 |
| ECIW-248145 | 416 | 12 |
| ECIW-248165 | 438 | 14 |



# FUKUTA®



## EC-280

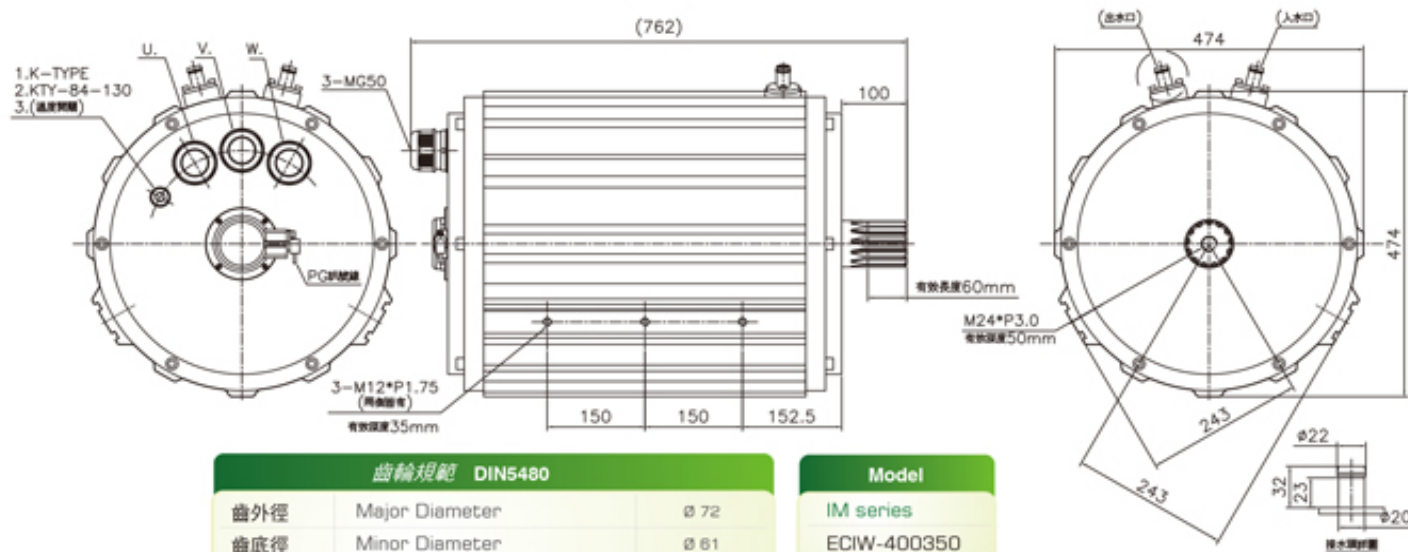


### Model

ECIW-280240

ECPW-280240

## EC-400



### 齒輪規範 DIN5480

|         |                           |                                       |
|---------|---------------------------|---------------------------------------|
| 齒外徑     | Major Diameter            | Ø 72                                  |
| 齒底徑     | Minor Diameter            | Ø 61                                  |
| 模數      | Module                    | M5                                    |
| 壓力角     | Pressure Angle            | 30°                                   |
| 齒數      | Number Of tooth           | 13T                                   |
| 節圓直徑    | Pitch Circle Diameter     | Ø65                                   |
| 跨齒厚(3T) | Span Measurement of Teeth | 37.784 <sup>-0</sup> <sub>-0.05</sub> |
| 齒深      | Depth of Tooth            | Ø 65                                  |
| 跨銷距     | Measurement Between Pins  | 81.44 <sup>-0</sup> <sub>-0.05</sub>  |
| 量測棒徑    | Measuring Rod Diameter    | Ø 10                                  |

### Model

IM series

ECIW-400350



# 極速傳動 無遠弗屆

Top speed transmission without limitation



Welcome Website

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