# ER130-4-2800



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Maxium payload 130 kg with maxium reach 2816 mm.

## ■ Highlights

The new topology optimization design features the machine light weight and high stiffness, with great dynamic response performance.Intelligent palletizing application visualization software increas the efficiency by 20% to help customers

Multiple specific application software could be integrated, with soft PLC and a variety of field bus interface, which enable customers easily face various application challenges;

High performance collision detection function helps safety realization.

## Applications

It can be used in handling operations, palletizing, etc.

#### Industries

Suitable for metal parts, photovoltaic, logistics, cement, food and beverage and other industries.



## **EFORT Intelligent Robot Co., Ltd.**

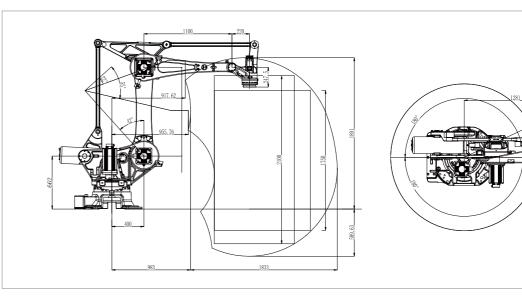
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## **SPECIFICATIONS**

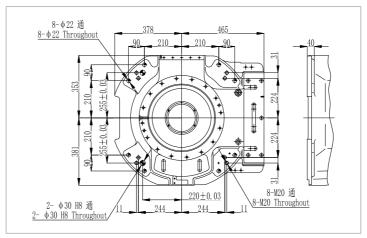
| Model                      |                        | ER130-4-2800                      |
|----------------------------|------------------------|-----------------------------------|
| Туре                       |                        | Articulated                       |
| Controlled axes            |                        | 4 Axes                            |
| Max. payload on wrist      |                        | 130 kg                            |
| Repeatability              |                        | ±0.1 mm                           |
| Robot weight               |                        | 970 kg                            |
| Reach                      |                        | 2816 mm                           |
| Robot IP grade             |                        | IP54/IP65 (Optional)              |
| Cabinet IP grade           |                        | IP54                              |
| Installation<br>enviroment | Ambient<br>temperature | 0~45 °C                           |
|                            | Ambient<br>humidity    | RH≤80% (No dew nor frost allowed) |
|                            | Vibration acceleration | 4.9 m/s <sup>2</sup> (<0.5 G)     |

| Drive mode                      |       | AC servo drive     |
|---------------------------------|-------|--------------------|
| Installation                    |       | Floor, Wall        |
| Allowable load moment at wrist  | J 4   | 36.25 N∙m          |
| Allowable load inertia at wrist | J 4   | 50 kg⋅m²           |
|                                 | J1    | 110°/sec           |
|                                 | J2    | 110°/sec           |
| Maximum speed                   | 13    | 105°/sec           |
|                                 | J 4   | 330°/sec           |
|                                 | J1    | ±180°              |
|                                 | J2    | +42°/-85°          |
| Motion range                    | 13    | +85°/-55°          |
|                                 | J 4   | ±360°              |
|                                 | J2+J3 | -115°<(J2+J3)<+20° |

## **OPERATING SPACE**



## **BASE MOUNTING SIZE**



## **END FLANGE MOUNTING SIZE**

