

ER280-3100

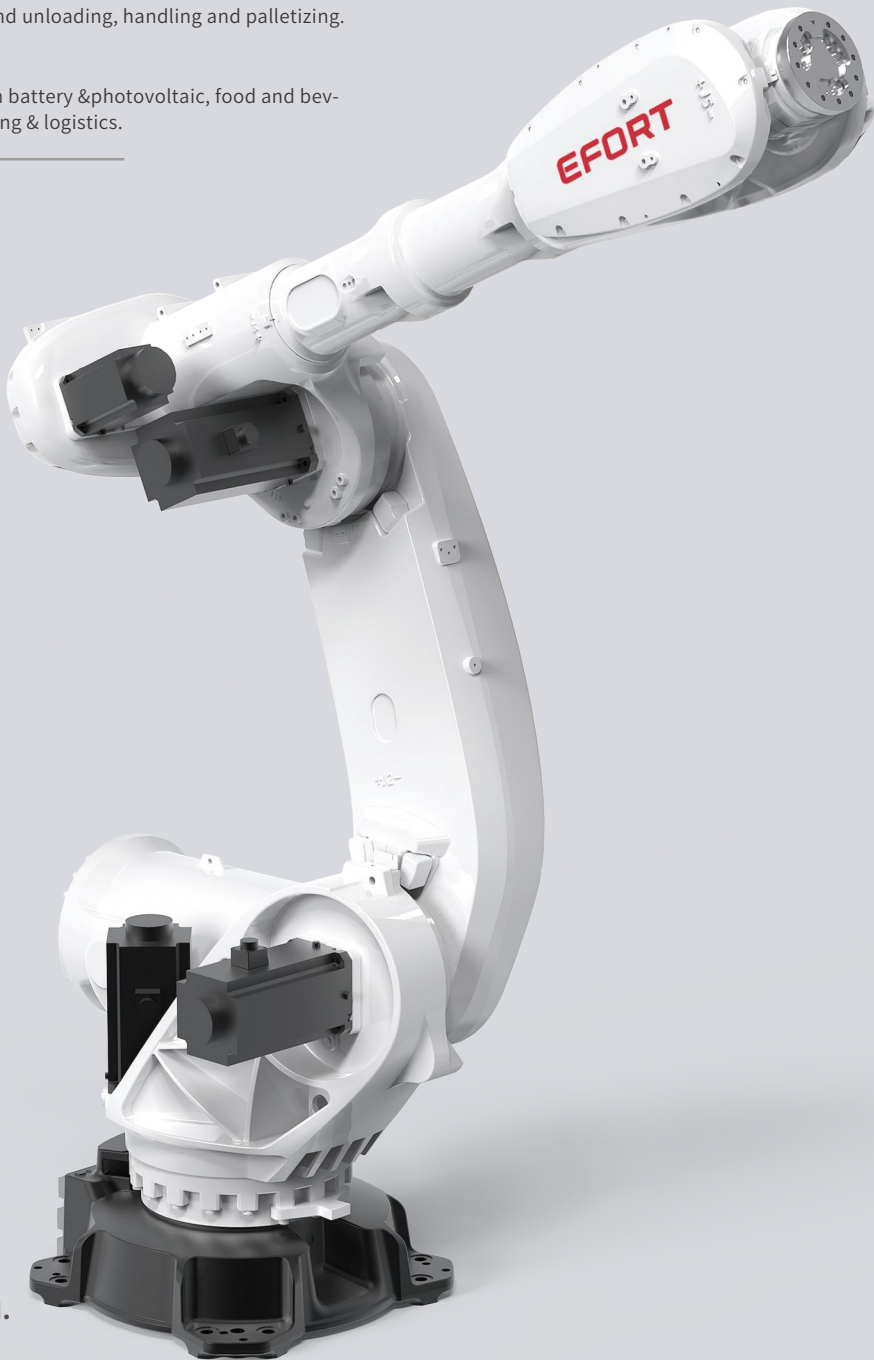
ER280-3100,
Maxium payload 280 kg with maxium reach 3098 mm.

- Highlights

The all-new heavy-duty platform product features fully rigid gear connections on all axes, delivering superior robot wrist torque performance. With a 50% improvement in repeat positioning accuracy, leading its class, the ro-bot is capable of handling various high-precision applications. Combining a high-rigidity transmission design with advanced trajectory algo-rith-ms, it demonstrates enhanced dynamic performance and ensures stable high-s-speed operation.
- Applications

Applicable to scenarios such as loading and unloading, handling and palletizing.
- Industries

Suitable for fields like automotive, lithium battery & photovoltaic, food and bev-erage, building materials, and warehousing & logistics.



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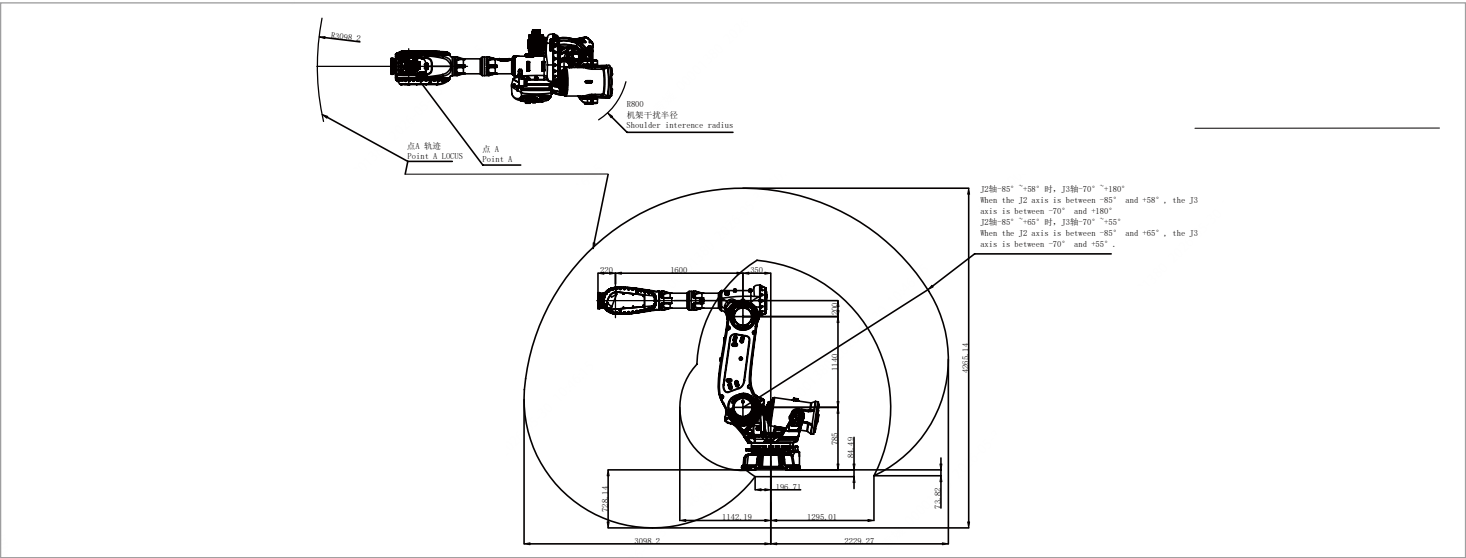
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SPECIFICATIONS

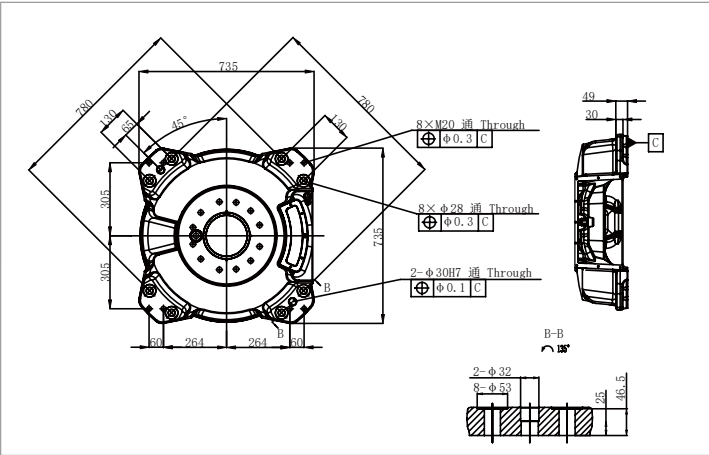
Model		ER280-3100
Type		Articulated
Controlled axes		6 Axes
Max. payload on wrist		280 kg
Repeatability		±0.05 mm
Robot weight		1600 kg
Reach		3098 mm
Robot IP grade		IP65/IP67 (Wrist)
Cabinet IP grade		IP54
Drive mode		AC servo drive
Installation		Floor
Installation enviroment	Ambient temperature	0~45 °C
	Ambient humidity	RH≤80% (No dew nor frost allowed)
	Vibration acceleration	4.9 m/s ² (<0.5 G)

Allowable load moment at wrist	J4	1830 N•m
	J5	1830 N•m
	J6	900 N•m
Allowable load inertia at wrist	J4	325 kg•m ²
	J5	325 kg•m ²
	J6	230 kg•m ²
Maximum speed	J1	105°/sec
	J2	100°/sec
	J3	110°/sec
	J4	140°/sec
	J5	110°/sec
	J6	180°/sec
Motion range	J1	±185°
	J2	+65°/-85°
	J3	+180°/-70°
	J4	±360°
	J5	±130°
	J6	±360°

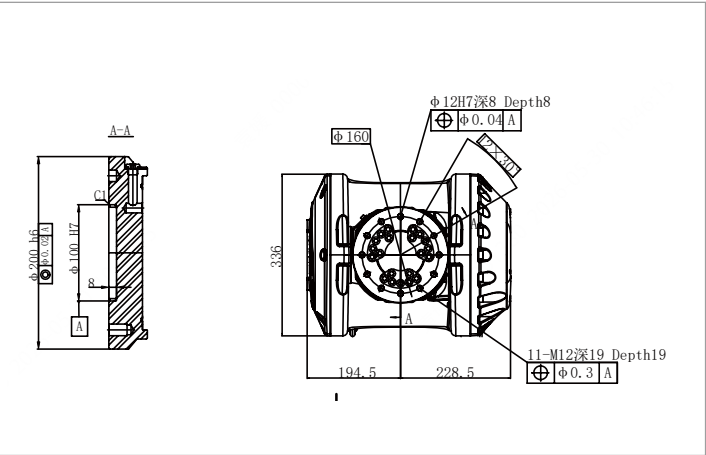
OPERATING SPACE



BASE MOUNTING SIZE



END FLANGE MOUNTING SIZE



*The final interpretation right belongs to EFORT Intelligent Robot Co., Ltd. Any updates will be made without prior notice.