

ER230-3100F

EFORT

ER230-3100F,
Maxium payload 230 kg with maxium reach 3098 mm.

Highlights

The all-new heavy-duty platform product, featuring high-rigidity gear connections combined with advanced algorithms, ensures higher precision, greater rigidity, and more stable high-speed operation. Special coating materials and processes, along with sealed protection design, give the robot excellent high-temperature and corrosion resistance, ensuring stable long-term operation in environments up to 60°C and under mild acid-alkali corrosive conditions. The customized housing design, along with professional protection treatment applied to power and communication cable connectors, meets IP67 protection standards, easily addressing requirements for waterproofing, dust resistance, and oil contamination resistance.

Applications

It can be used for scenarios such as casting, forging, and other metal hot-working processes, as well as high-temperature, high-humidity, and corrosive environments.

Industries

Suitable for fields like automotive, home appliances, metal, and building materials.

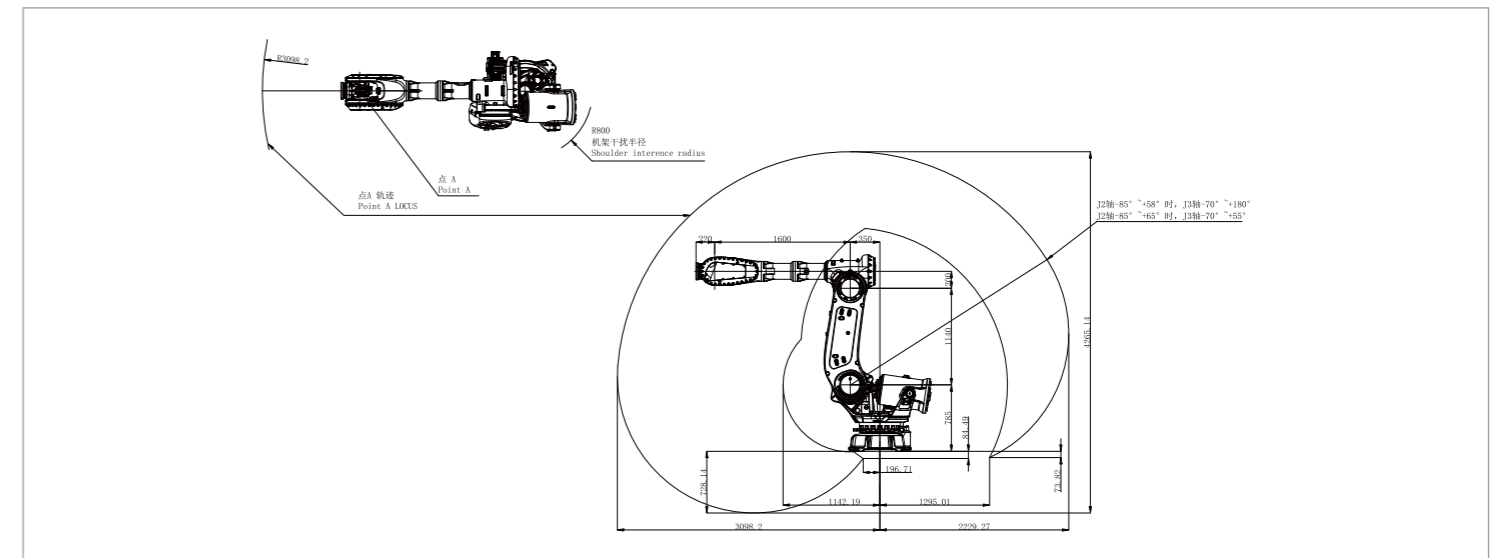


SPECIFICATIONS

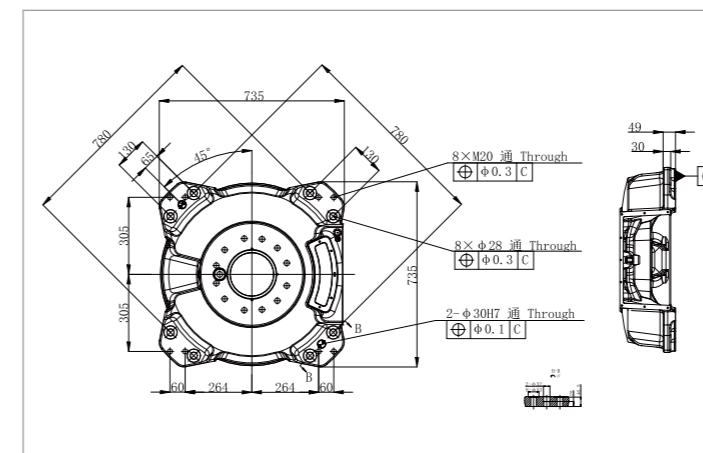
Model	ER230-3100F	
Type	Articulated	
Controlled axes	6 Axes	
Max. payload on wrist	230 kg	
Repeatability	±0.05 mm	
Robot weight	1630 kg	
Reach	3098 mm	
Robot IP grade	IP67	
Cabinet IP grade	IP54	
Drive mode	AC servo drive	
Installation	Floor	
Installation enviroment	Ambient temperature	0~60 °C
	Ambient 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°

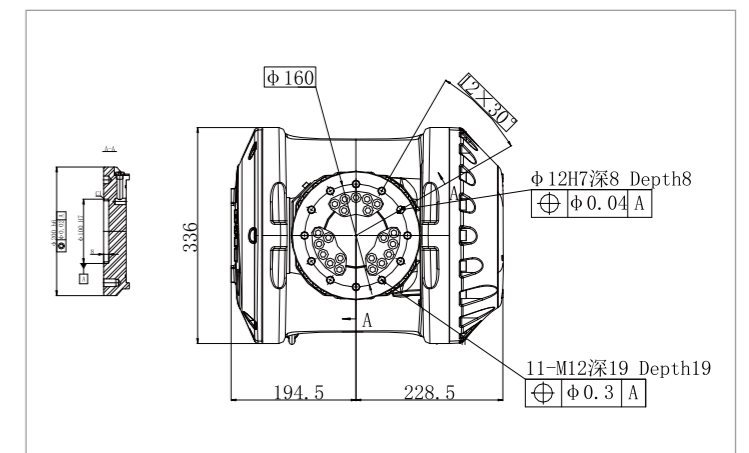
OPERATING SPACE



BASE MOUNTING SIZE



END FLANGE MOUNTING SIZE



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