STANDARD BOTS

Thor

30 kg payload robot

USD

$49,500

Performance		
	Power consumption	Depends on program and payload; range up to 4kW
	Ambient temperature range	0-55ºC
	Humidity	90%RH (non-condensing)
	Operation	Collaborative or high-speed non-collaborative

Specification		
	Payload capacity	30 kg (66 lbs)
	Reach	2 m (78 in)
	Max TCP speed	4 m/s
	Degrees of freedom	6

Physical		
	Footprint	Ø 296 mm
	Materials	Anodized aluminum, rubber
	Cable length, robot arm	2m (79 in)
	Weight, including cable	79 kg (174 lbs)
	IP design	IP69K
	Noise	Depends on program; typically less than 58dB
	Robot mounting	Floor mount [1]

Tooltip connector		
	Tool connector type	M8 8-pin female
	Compatibility	Electrical and mechanical compatibility with largest gripper ecosystems
	Native gripper support	Two-finger, three-finger, and suction grippers
	Tool I/O ports[2]	Digital In: 2
		Digital Out: 2 (Open-drain or push-pull, 1A)
		Analog In: 2 (24V tolerant)
		Analog Out: 0
		RS-485 / UART max data rate: 10mbps
	Tool power supply[2]	12V/24V, 6 A continuous max

Control box		
	IP classification	IP44
	IP class cleanroom	N/A
	Ambient temperature range	0-55º C
	I/O ports	Digital In: 16 (24V Tolerant)
		Digital Out: 16 (24V 0.7A Out continuous)
		24V 0.7A (3A combined if using internal power)
		24V 0.7A (12A combined with external power supply)
		Analog In: 4 (24V Tolerant)
	Communication[3]	24V I/O
		TCP/IP
		Modbus TCP
		EthernetIP
	Power source	90 ~ 264VAC, 47-63Hz
	Humidity	90%RH (non-condensing)
	Control box size (WxHxD)	460 mm x 430 mm x 315 mm (18.1 in x 16.9 in x 12.4 in)
	Weight	14.4kg (31.7 lbs)
	Materials	Powder coated steel

Movement		
	Repeatability	+/- 0.025 mm
	Shoulder 1 & 2	Working range: ±360º
		Maximum speed: ±173º/sec
	Elbow	Working range: ±360º
		Maximum speed: ±198º/sec
	Wrist 1, 2 & 3	Working range: ±360º
		Maximum speed: ±277º/sec

1. Ceiling/wall mount enabled in software update.
2. Hardware supported. Software support coming later this year via software update.
3. More industrial protocols to be enabled via software update.