

# TX200 range

6 axis industrial robots





## Characteristics

MODEL	TX200	TX200L
Maximum load	130 kg (150 kg under conditions)	80 kg (100 kg under conditions)
Nominal load	100 kg <sup>(2)</sup>	60 kg <sup>(2)</sup>
Reach d'action (between axis 1 and 6)	2194 mm	2594 mm
Number of degrees of freedom	6	6
Repetability – ISO 9283	± 0,06 mm	± 0,1 mm
Stäubli series controller	CS8C HP	CS8C HP
Weight	980 kg	1000 kg

MAXIMUM SPEED		
Axis 1	160°/s	160°/s
Axis 2	160°/s	160°/s
Axis 3	165°/s	165°/s
Axis 4	260°/s	260°/s
Axis 5	360°/s	360°/s
Axis 6	450°/s	450°/s
Maximum speed at load gravity center	12 m/s	14 m/s
Maximum inertia axis 5	45 kg.m <sup>2</sup>	40 kg.m <sup>2</sup>
Maximum intertia Axis 6	20 kg.m <sup>2</sup>	15 kg.m <sup>2</sup>
Brakes	All a	ixes

WORK ENVELOPPE		
Maximum reach between axis 1 and 5 (R.M)	2000 mm	2400 mm
Minimum reach between axis 1 and 5 (R.m1)	365 mm	528 mm
Minimum reach between axis 2 and 5 (R.m2)	545 mm	690 mm
Minimum reach between axis 3 and 5 (R.b)	800 mm	1200 mm

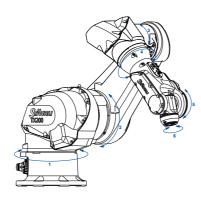
RANGE OF MOTION		
Axis 1 (A)	± 180°	± 180°
Axis 2 (B)	+ 120°/-115°	+ 120°/-115°
Axis 3 (C)	+145°/-140°	+145°/-140°
Axis 4 (D)	± 270°	± 270°
Axis 5 (E)	± 120°	± 120°
Axis 6 (F)	± 270° (1)	± 270° (1)

INSTALLATION ENVIRONNEMENT	
Working temperature according to NF EN 60 204-1	+5°C to +40°C
Humidity according to standard directive NF EN 60 204-1	30% to 95% max. non-condensing
Attachment methods	Floor/Ceiling
Vertical cable outlet version	•
Pressurized version	•

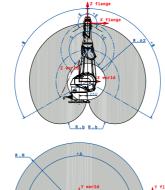
FOREARM CONNECTIONS		
Pneumatic		2 solenoid valves in option 5/2-way monostable (compressed air) 3 direct lines between the base and the forearm
	Standard	1 female 19-contact socket (7 twisted pairs including 2 shielded, 3 power contacts)
Electrical	Ethernet option	A 19-contact female cylindrical connector with 5 twisted pairs and 3 power contacts + 4-contact female cylindrical connector M12 code D for a Cat 5e Ethernet link.
Cleanroom standard ISO 14644-1		5
Protection class according to EN 60529		IP65 / IP67
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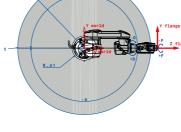
MARKET SPECIFIC VERSIONS	
ESD (ElectroStatic Discharge) version	•
HE (Humid Environment) version	•
Plastics – Euromap 12/67 and SPI interface	•
Stericlean version	•
NSF H1 Food graded oil	•

#### Motion range



#### Work envelope

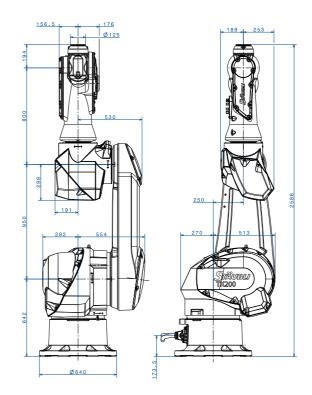




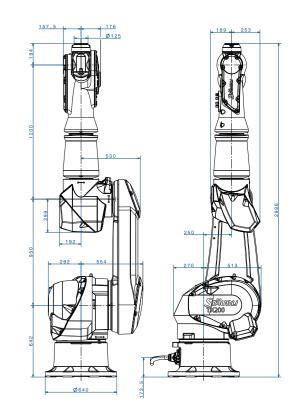
#### (1) Software configurable up to $\pm$ 18 000°.

#### TX200 dimensions

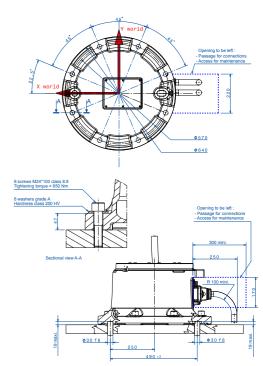
Wrist



#### **TX200L** dimensions



### **Mounting** (not for vertical cable outlet option)





<sup>(2)</sup> For ceiling version, consult us.



Stäubli Units O Representatives/Agents

### Global presence of the Stäubli Group

www.staubli.com

