



TX200 series industrial robots



Nominal load 100 kg 60 kg Reach Edveem zais 1 and () 2194 mm 2584 mm Number of degrees of freedom 6 6 Respectivelity - 150 2833 ± 0.06 mm ± 0.17 mm Axis 1 (A) ± 180° ± 180° Axis 2 (B) ± 120° ± 120° Axis 2 (B) ± 120° ± 120° Axis 6 (F) ± 270° ± 270° Axis 6 (F) ± 270° ± 270° Maximum reach between axis 1 and 5 (R. M) 2000 mm 2400 mm Minimum reach between axis 2 and 5 (R. M) 1750 mm 2150 mm Minimum reach between axis 1 and 5 (R. M) 380 mm 528 mm Minimum reach between axis 1 and 5 (R. M) 380 mm 528 mm Minimum reach between axis 1 and 5 (R. M) 380 mm 1000 rgm Axis 1 150°/s 150°/s Axis 3 150°/s 150°/s Axis 6 200 kg.m² 15 kg.m² Axis 6 20 kg.m² 15 kg.m² Maxis 0 Alaxis 20 elenid valves in option Size 100 controls 1200 kg 100 kg Maxis 2 100 kg 1200 kg Axis 6 20 kg.m² 15 kg.m² 100 kg 1200 kg 100 kg <tr< th=""><th></th><th>MODEL</th><th>TX200</th><th>TX200L</th><th>Motion range</th></tr<>		MODEL	TX200	TX200L	Motion range	
Maximum load ¹¹ 130 kg 80 kg Nominal load 100 kg 60 kg Reach (between axis 1 and 6) 2194 mm 2694 mm Aris 1 (A) ± 180° ± 1,1 mm Aris 2 (B) ± 120° ± 120° Aris 3 (C) ± 140°/± 120°/± Aris 3 (C) ± 1420° ± 220° Aris 4 (D) ± 220° ± 220° Aris 4 (D) ± 180° ± 210° Maximum meach between axis 1 and 5 (R, m1) 365 mm 628 mm Maximum meach between axis 2 and 5 (R, m2) 545 mm 628 mm Maximum meach between axis 2 and 5 (R, m2) 545 mm 628 mm Maximum meach between axis 2 and 5 (R, m2) 545 mm 628 mm Aris 2 150°/s 150°/s Aris 4 260°/s 280°/s Aris 5 280°/s 280°/s Aris 5 200 kg.m² 120 kg Maximum speedi 12.5 m/s 14.5 m/s Maximum speedi 12.5 m/s 14.5 m/s Brakes Al axis 2 belend/white/sheat		Characteri	istics			
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Brakes All axis Pneumatic 2 solenoid valves in option 5/2-way monostable (compressed air) 3 direct line between the base and the forearm Lectrical 1 female 19-contact socket (7 twisted pairs including 2 shielded, 3 power contacts) Cleanroom standard - ISO 14644-1 5 Protection class (*wrist) according to standard NF EN 60529 IP65 (*67) Stäubli CS8 series controller CS8C HP Working temperature according to standard directive NF EN 60 204-1 + 5°C to + 40°C Humidity according to standard directive NF EN 60 204-1 30% à 95% max. non-condensing 7 lios 20% à 95% max. non-condensing 7 lios 20% à 95% max. non-condensing 7 lisk it generates positive pressure in an environment with high dust levels or with substalled liquid splashing. This kit generates positive pressure in an environment with high dust levels or with substalled liquid splashing. This kit generates positive pressure in an environment with high dust levels or with substalled liquid splashing. This kit generates positive pressure in an environment with high dust levels or with substalled liquid splashing. This kit generates positive pressure in an environment with high dust levels or with substalled and widding environments. The arm components are pairted individually providing additional arm protection against oxidation and corrosion. Factory installation only and required with Pressurization kit.	Maxi	Axis 6	20 kg.m ²	15 kg.m ²		
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Protection class (*wrist) according to standard NF EN 60529 IP65 (*67) (1) Under special conditions, consult us. Stäubli CS8 series controller CS8C HP (2) Software configurable up to ±18000°. Stäubli CS8 series controller IP65 (*67) (3) Vertical outlet version: designed to offer additional connection protection at robot base or for use in clean and/or humid environment. Factory installation only. Working temperature according to standard directive NF EN 60 204-1 + 5°C to + 40°C Humidity according to standard directive NF EN 60 204-1 30% à 95% max. non-condensing NF EN 60 204-1 Floor/Shel/Ceiling (*) Attachment methods Floor/Shel/Ceiling (*) Vertical cable outlet version (*) • (*) Version HE (Humid Environment) (*) • (*) Market specific versions • (*) CB Cleanroom = class 4 cleanliness = ISO 14644-1 • (*)	Fore conne	Electrical	(7 twisted pairs including 2 shielded,			
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CB Cleanroom - class 4 cleanliness - ISO 14644-1		. ,	versions		oxidation and corrosion. Factory installation	
(6) Contact our sales team.	CP C			• (6)	only and required with Pressurization kit.	
		icani Joini - Jiass 4 Gledininess - 130 14044-1	• • •	•,	(6) Contact our sales team.	

TX200L dimensions

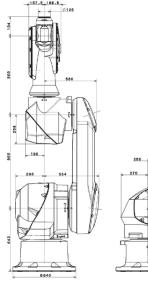
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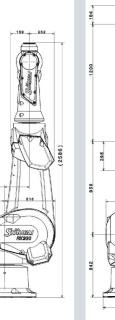
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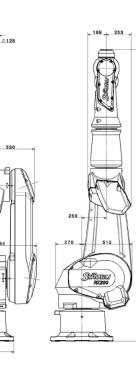
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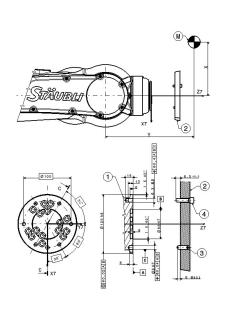
Wrist

2986

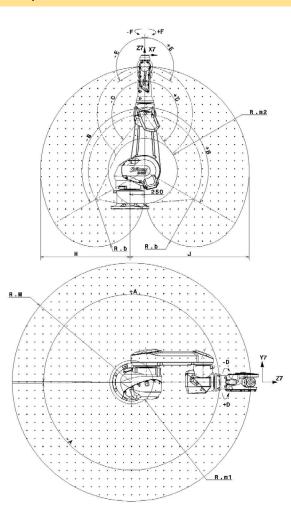




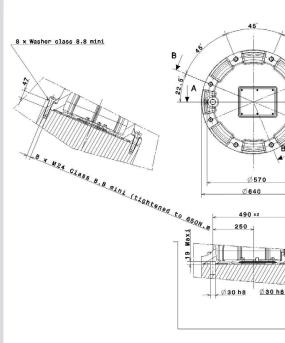








Mounting (not for vertical cable outlet option)



FIN

19 Max



Product benefits

The TX200 robot series feature unique benefits to fit in all environments providing the best possible process quality and increased productivity.

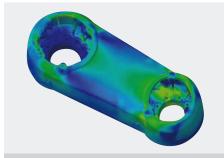
WRIST IP67 rating, high robustness, limited build-up on wrist.



VERTICAL CABLE OUTLET VERSION Better cable protections, use in in clean and/or humid environment.



FOREARM CONNECTIONS Electrical and pneumatic connections close to the tool, user lines already installed



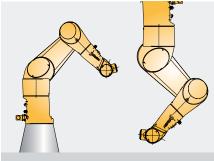
RIGID STRUCTURE Better dynamic performance.



ENCLOSED STRUCTURE Easy to clean and use in clean or hostile environments.



ENVIRONMENT The robot is available in different versions : Cleanroom, Humid Environment (HE), Food and Life Science applications.



MULTIPLE ATTACHMENT METHODS Adaptability and flexibility (floor, ceiling).



LARGE WORK ENVELOPE The short robot base enables it to work, shelf mounted on an injection molding machine for example.



LIMITED RETENTION AREAS Hygienic design with limited retention areas. Easy to clean for Food of Life Science applications.

D181.573.04

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Stäubli Faverges SCA Headquarters FR-74210 FAVERGES (Annecy) Tel.: +33 4 50 65 62 87 Fax: +33 4 50 65 61 30 robot.sales@staubli.com **Stäubli Tec-Systems GmbH** DE-95448 BAYREUTH Tel.: +49 921 883 0 Fax: +49 921 883 244 robot.de@staubli.com

