

1. Specification of Robot

[1] Robot Arm

| 1. Model | BX200X-C | | | | | | | | | | | | | | |
|--|---|-------------------------|--------------------------------|--|-------------|--------------------------------|-----|----------|-------------------------|-----|----------|-------------------------|-----|---------|-------------------------|
| 2. Type | Articulated robot | | | | | | | | | | | | | | |
| 3. Degree of freedom | 6 axes (Option 7 axes) | | | | | | | | | | | | | | |
| 4. Axis specification | Operating axis | Max. operating range | Max. speed | | | | | | | | | | | | |
| | Arm rotation (JT1) | +180° ~ -180° | 125°/s | | | | | | | | | | | | |
| | Arm out-in (JT2) | +76° ~ -60° | 102°/s | | | | | | | | | | | | |
| | Arm up-down (JT3) | +90° ~ -110° | 85°/s | | | | | | | | | | | | |
| | Wrist swivel (JT4) | +210° ~ -210° | 105°/s | | | | | | | | | | | | |
| | Wrist bend (JT5) | +125° ~ -125° | 120°/s | | | | | | | | | | | | |
| | Wrist twist (JT6) | +210° ~ -210° | 200°/s | | | | | | | | | | | | |
| 5. Repeatability | ±0.3 mm (at the tool mounting surface) | | | | | | | | | | | | | | |
| 6. Max. payload | 200 kg | | | | | | | | | | | | | | |
| 7. Max. linear interpolation speed | 5000 mm/s | | | | | | | | | | | | | | |
| 8. Load capacity of wrist | <table border="1"> <thead> <tr> <th></th> <th>Max. torque</th> <th>Moment of inertia[*]</th> </tr> </thead> <tbody> <tr> <td>JT4</td> <td>1334 N·m</td> <td>199.8 kg·m²</td> </tr> <tr> <td>JT5</td> <td>1334 N·m</td> <td>199.8 kg·m²</td> </tr> <tr> <td>JT6</td> <td>588 N·m</td> <td>154.9 kg·m²</td> </tr> </tbody> </table> | | | | Max. torque | Moment of inertia [*] | JT4 | 1334 N·m | 199.8 kg·m ² | JT5 | 1334 N·m | 199.8 kg·m ² | JT6 | 588 N·m | 154.9 kg·m ² |
| | | Max. torque | Moment of inertia [*] | | | | | | | | | | | | |
| JT4 | 1334 N·m | 199.8 kg·m ² | | | | | | | | | | | | | |
| JT5 | 1334 N·m | 199.8 kg·m ² | | | | | | | | | | | | | |
| JT6 | 588 N·m | 154.9 kg·m ² | | | | | | | | | | | | | |
| <p>Note[*] Each value in this table shows allowable moment of inertia of JT4/JT5/JT6 when max. allowed torque is applied to each axis. If more detailed data is required for your application, please contact Kawasaki.</p> | | | | | | | | | | | | | | | |
| 9. Driving motor | Brushless AC Servomotor | | | | | | | | | | | | | | |
| 10. Working range | See attached drawing | | | | | | | | | | | | | | |
| 11. Mass | 1450 kg (without options) | | | | | | | | | | | | | | |
| 12. Color | Munsell 10GY9/1 equivalent | | | | | | | | | | | | | | |
| 13. Installation | Floor mounting | | | | | | | | | | | | | | |
| 14. Environment cond. | (Temperature) 0 ~ 45 °C, (Humidity) 35 ~ 85 %, no dew, nor frost allowed | | | | | | | | | | | | | | |
| 15. Dressing | Cable length between flange and tool is 1.5m. Consult Kawasaki when non-standard dressing will be applied. | | | | | | | | | | | | | | |
| 16. Options | Adjustable mechanical stoppers JT1/JT2/JT3 | | | | | | | | | | | | | | |
| | Adapter bracket for tool | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| 17. Others | Consult Kawasaki about maintenance parts and spare parts. | | | | | | | | | | | | | | |