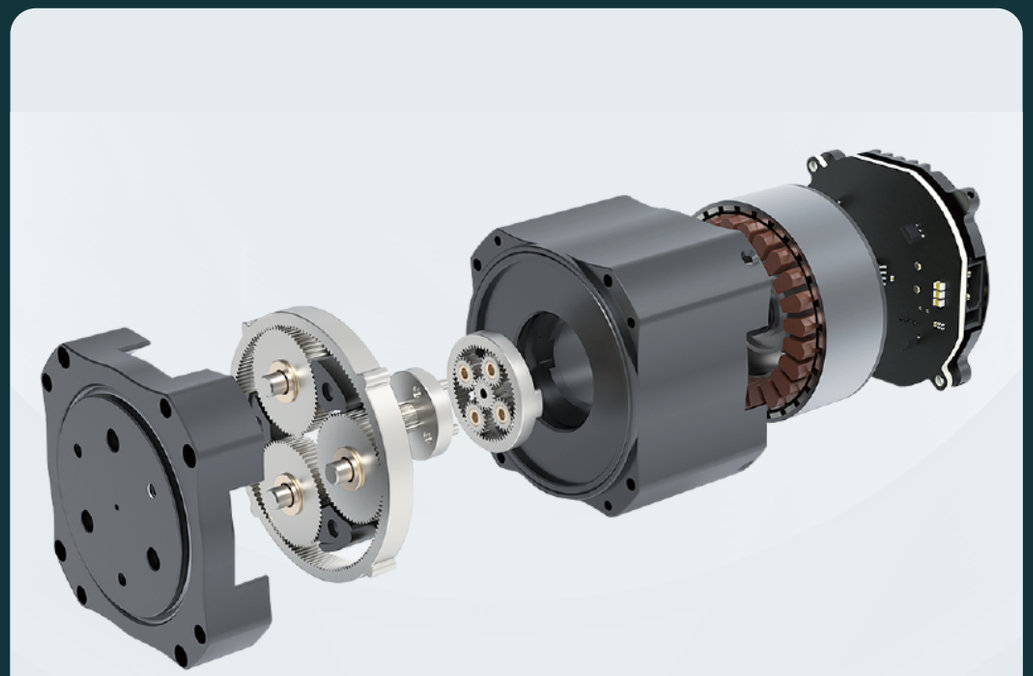
Robotics Product Catalog

Humanoid robots, robotic arms and servo joint modules



EXPLODED VIEW / SERVO JOINT MODULE

01

Humanoid robots

XTR-H100 / XTR-H200 / XTR-H300

02

Robotic arms

XTR-A600 / XTR-A700

03

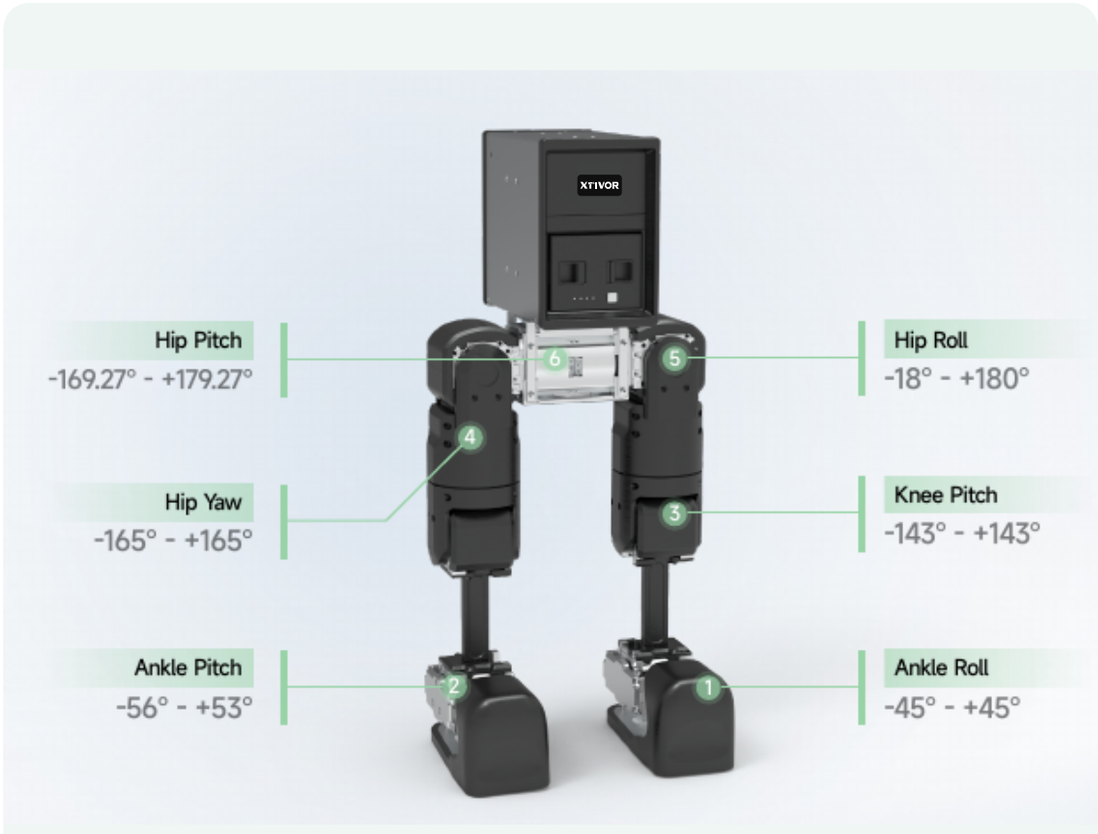
Servo joint modules

Planetary / Ultra-thin / Hollow-bore

H SERIES

XTR-H100

JOINT MOTION RANGES



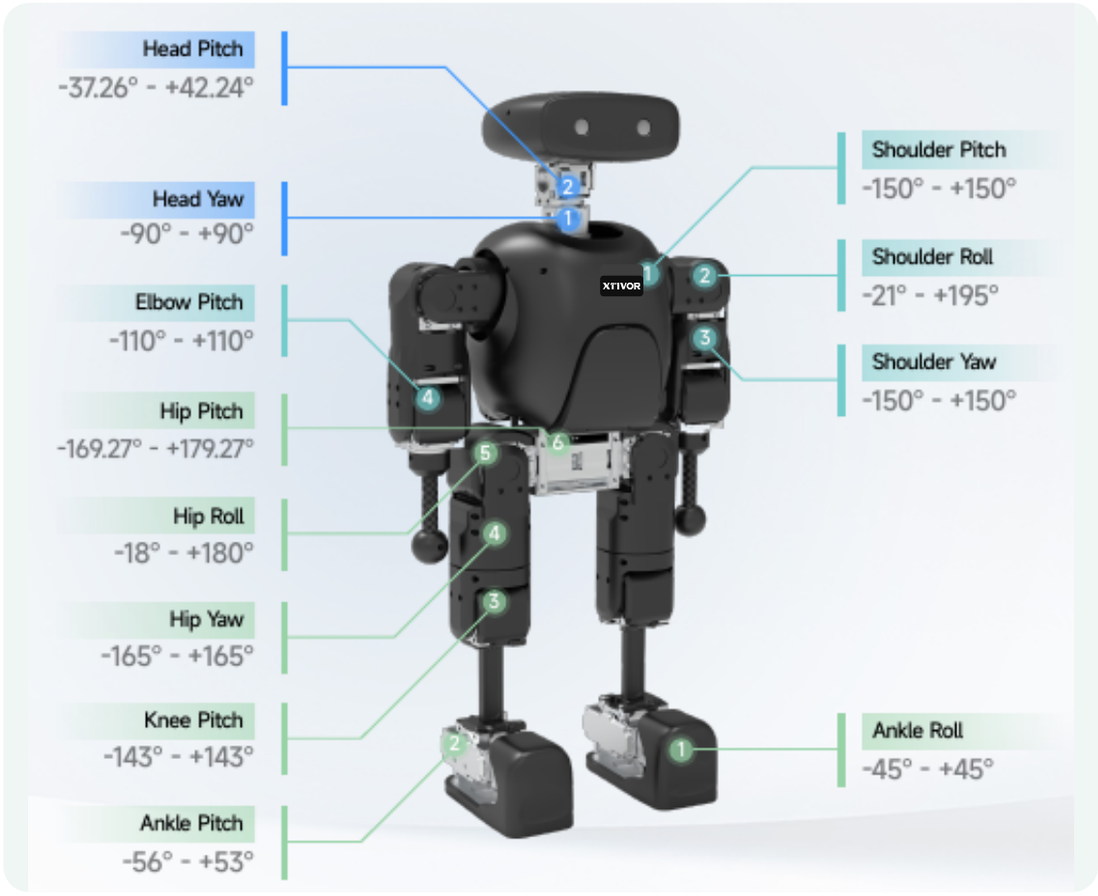
SPECIFICATIONS	XTR-H100	XTR-H100-P
Standing height	520 mm	520 mm
Weight with battery	7 kg	7 kg
Degrees of freedom	12	12
Peak joint torque	16 N·m	16 N·m
Nominal battery voltage	24 V	24 V
Rated battery capacity	5,000 mAh	5,000 mAh
Processor	RK3588	Orin NX
High-performance IMU	Included	Included
High-performance low-level controller	Included	Included
SDK interface	Included	Included
Visual navigation SDK	-	-
Depth camera	-	-
Battery with BMS and charger	Included	Included
Remote control	Included	Included
Built-in motions	Waist twist, hip twist, splits, lunge	Waist twist, hip twist, splits, lunge
Guide price	**USD 27,000+**	**USD 37,000+**

Indicative rounded prices. Exact configuration and volume pricing on request; shipping and taxes confirmed separately.

H SERIES

XTR-H200

JOINT MOTION RANGES



SPECIFICATIONS	XTR-H200	XTR-H200-P
Standing height	650 mm	650 mm
Weight with battery	10.15 kg	10.9 kg
Degrees of freedom	22	22
Peak joint torque	16 N·m	16 N·m
Nominal battery voltage	24 V	24 V
Rated battery capacity	5,000 mAh	5,000 mAh
Runtime at a steady 0.5 m/s	60 min	60 min
Maximum speed	1.1 m/s	1.1 m/s
Processor	RK3588	Orin NX
High-performance IMU	Included	Included
High-performance low-level controller	Included	Included
SDK interface	Included	Included
Visual navigation SDK	-	Included
Depth camera	-	D435i
Battery with BMS and charger	Included	Included
Remote control	Included	Included
Voice interaction module	8-mic array and speaker	8-mic array and speaker
Built-in motions	Dance, kung fu, soccer	Dance, kung fu, soccer
Guide price	**USD 40,000+**	**USD 54,000+**

OPTIONAL ACCESSORIES



Gripper
USD 5,000+



1-DOF waist
USD 3,000+



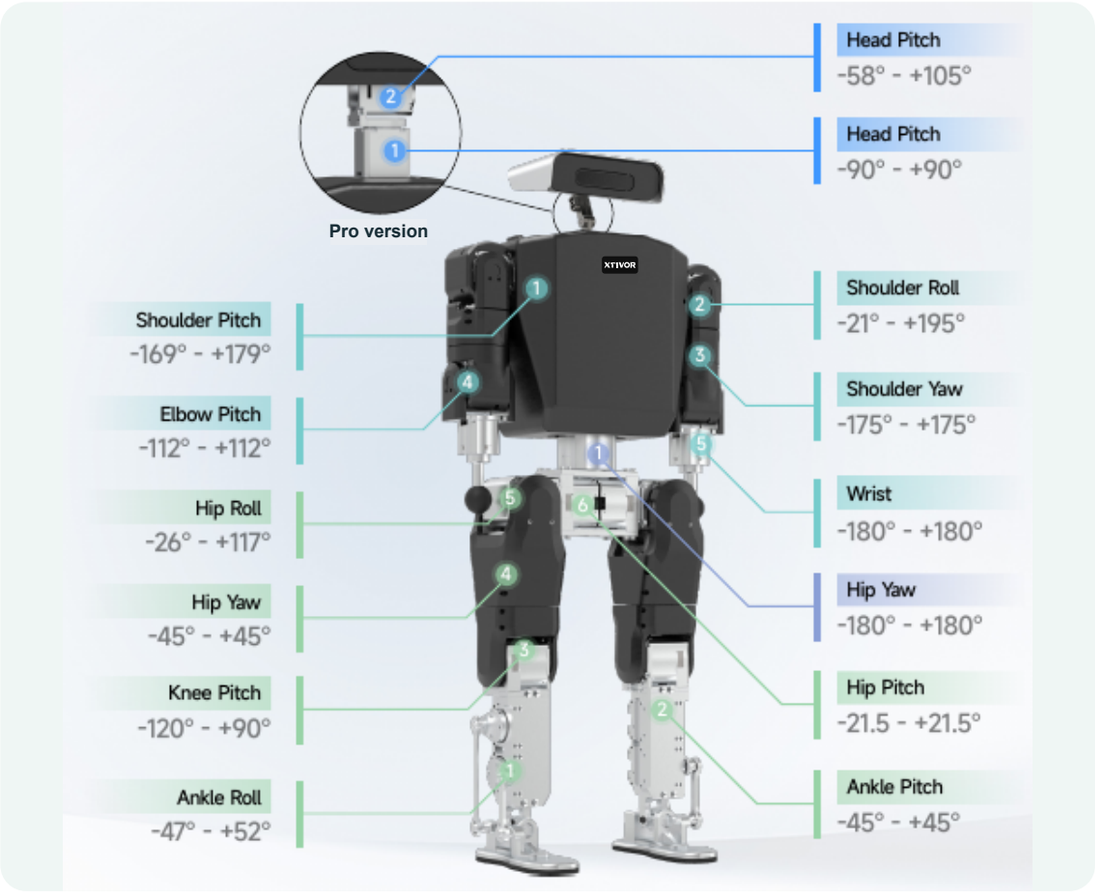
ZED Mini upgrade
USD 3,000+

ZED Mini camera upgrade available on Orin versions only.
Indicative rounded prices. Exact configuration and volume pricing on request; shipping and taxes confirmed separately.

H SERIES

XTR-H300

JOINT MOTION RANGES



SPECIFICATIONS	XTR-H300	XTR-H300-P
Standing height	830 mm	886 mm
Weight with battery	19.5 kg	19.8 kg
Degrees of freedom	23	25
Peak joint torque	36 N·m	36 N·m
Nominal battery voltage	48 V	48 V
Rated battery capacity	5,000 mAh	5,000 mAh
Maximum speed	1.15 m/s	1.15 m/s
Processor	RK3588	Orin NX
High-performance IMU	Included	Included
High-performance low-level controller	Included	Included
SDK interface	Included	Included
Visual navigation SDK	-	Included
Depth camera	-	D435i
Battery with BMS and charger	Included	Included
Remote control	Included	Included
Built-in motions	One-handed wave	One- and two-handed waves, handshake, cheering
Guide price	**USD 66,000+**	**USD 81,000+**

Joint labels and ranges follow the source diagram.

OPTIONAL ACCESSORIES



Gripper
USD 5,000+



ZED Mini upgrade
USD 2,000+

ZED Mini camera upgrade available on Orin versions only.

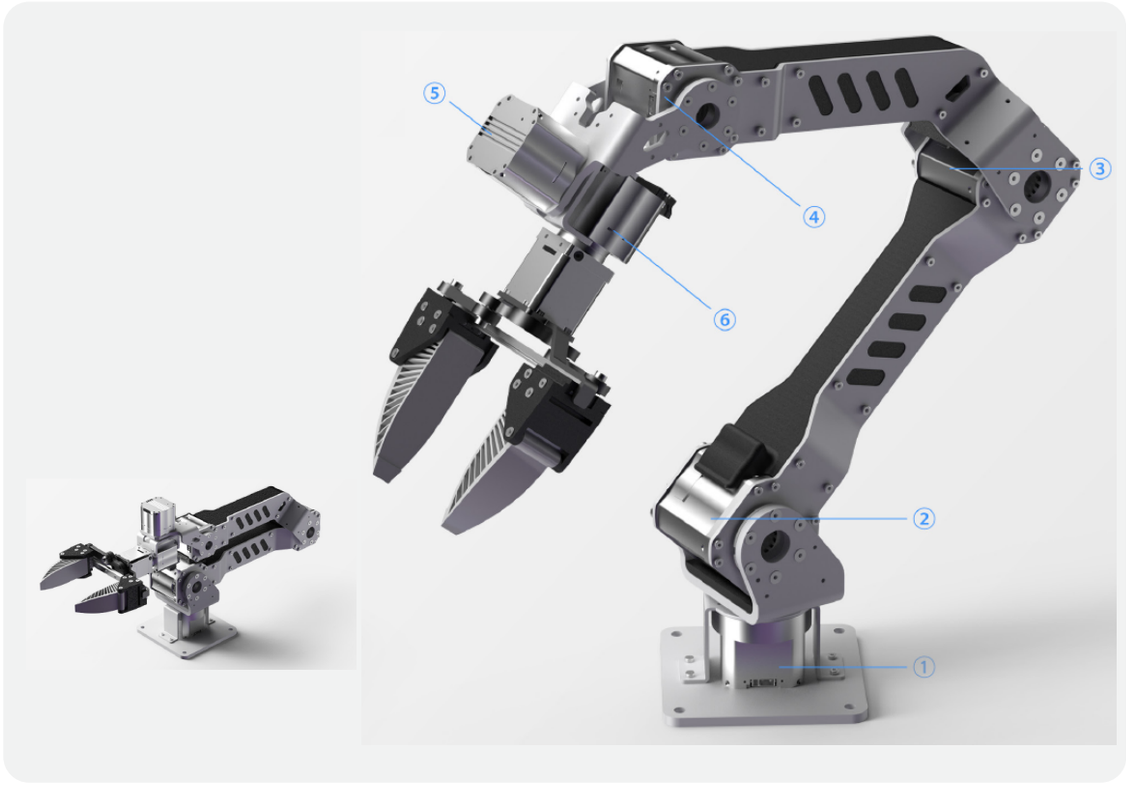
Indicative rounded prices. Exact configuration and volume pricing on request; shipping and taxes confirmed separately.

ROBOTIC ARMS

XTR-A600

6-axis robotic arm

USD 10,000+



SPECIFICATIONS	
Standing dimension	**860 mm**
Folded dimension	**460 mm**
Weight	**4.35 kg**
Operating voltage	**24 V**
Maximum payload	**3.5 kg**
Max. end-effector speed	**0.8 m/s**
Degrees of freedom	**6**
Peak joint torque	**36 N·m**
Communication	**CAN FD**

JOINT MOTION RANGES	
Axis 1	**-180° to +180°**
Axis 2	**0° to +200°**
Axis 3	**0° to +230°**
Axis 4	**-90° to +90°**
Axis 5	**-90° to +90°**
Axis 6	**-180° to +180°**

JOINT MOTOR MODELS

XTR-J107

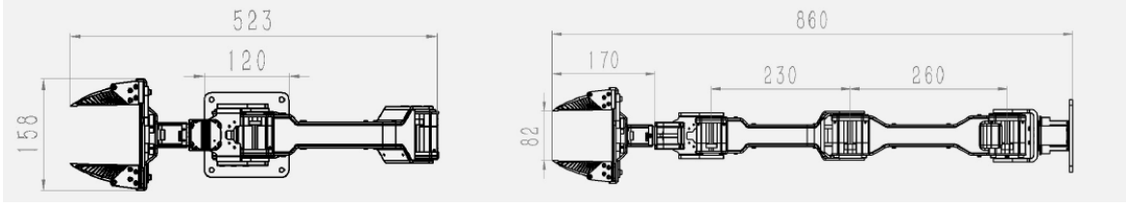
XTR-J106

XTR-J105

XTR-J102 (XTR-J102)

XTR-J101

INSTALLATION DIMENSIONS



HARDWARE

Single-DOF gripper

High-performance low-level controller

SOFTWARE

Low-level control SDK

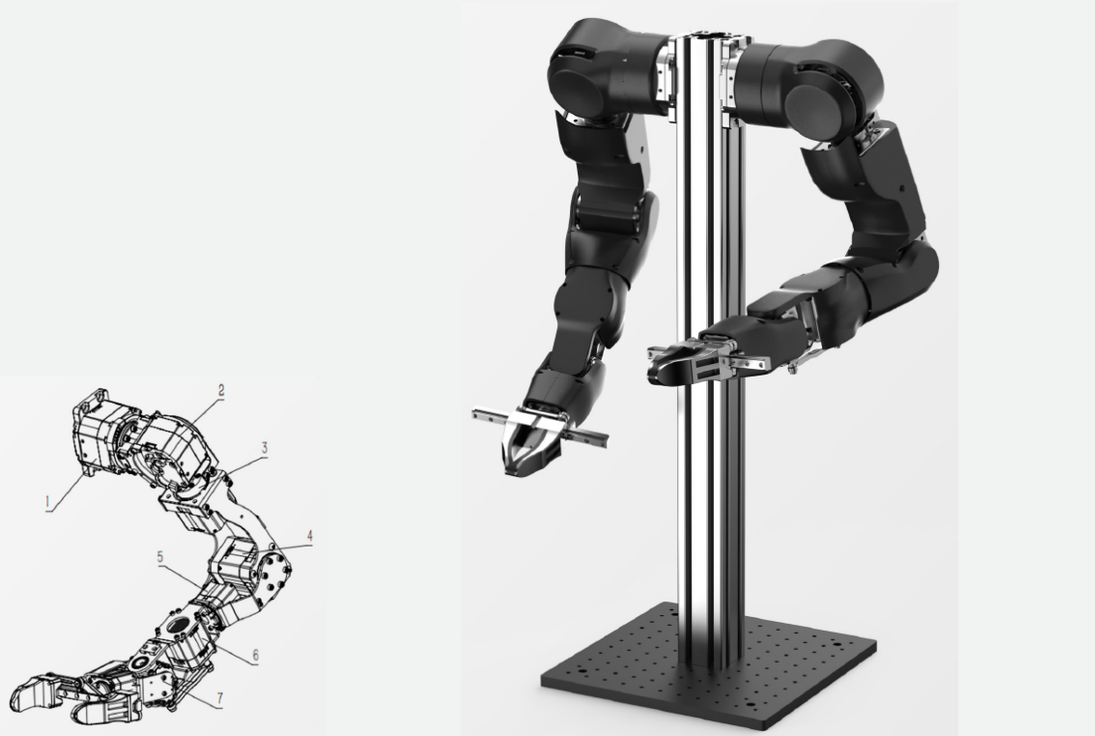
Open-source motion control algorithms

Indicative rounded prices. Exact configuration and volume pricing on request; shipping and taxes confirmed separately.

ROBOTIC ARMS

XTR-A700

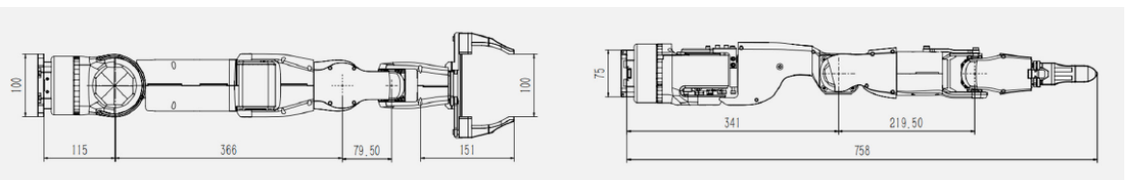
7-axis robotic arm



SPECIFICATIONS	
Hanging dimension at zero	**689 mm**
Arm span	**1,596 mm**
Weight per arm	**6 kg**
Maximum payload	**5 kg**
Max. end-effector speed	**3.6 m/s**
Degrees of freedom	**7**
Peak joint torque	**60 N·m**
Communication	**CAN FD**

JOINT MOTION RANGES	
Axis 1	**-180° to +90°**
Axis 2	**-15° to +195°**
Axis 3	**-90° to +90°**
Axis 4	**-60° to +130°**
Axis 5	**-90° to +90°**
Axis 6	**-45° to +45°**
Axis 7	**-90° to +90°**

INSTALLATION DIMENSIONS



JOINT MOTOR MODELS

XTR-J110

XTR-J108

XTR-J107

XTR-J105

XTR-J103 (XTR-J103)

XTR-J102 (XTR-J102)

MODEL INDEX

Servo Joint Modules

Planetary, ultra-thin and hollow-bore configurations

Model		Configuration	Rated torque	Stall torque	Weight	Page
XTR-J102	(XTR-J102)	Planetary	2 N·m	10 N·m	237 g	08
XTR-J103	(XTR-J103)	Planetary, crossed-roller bearing	2 N·m	10 N·m	237 g	09
XTR-J104		Planetary	3.5 N·m	13 N·m	322 g	10
XTR-J105		Planetary	6 N·m	21 N·m	323 g	11
XTR-J106		Planetary, crossed-roller bearing	6 N·m	21 N·m	345 g	12
XTR-J107		Planetary	10 N·m	36 N·m	565 g	13
XTR-J108		Planetary, crossed-roller bearing	10 N·m	36 N·m	570 g	14
XTR-J109		Planetary	4 N·m	12 N·m	390 g	15
XTR-J110		Planetary, crossed-roller bearing	18 N·m	60 N·m	850 g	16
XTR-J111		Ultra-thin	10 N·m	36 N·m	558 g	17
XTR-J112		Ultra-thin	20 N·m	50 N·m	808 g	18
XTR-J114		Hollow-bore	2 N·m	10 N·m	237 g	19
XTR-J113		Hollow-bore	4 N·m	16 N·m	385 g	20

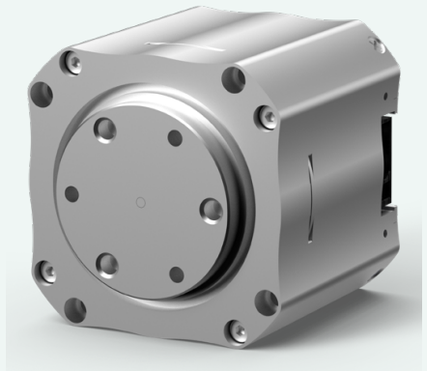
Source specifications revised March 2, 2026. Installation drawings retain their original annotations.

PLANETARY JOINT MODULE

XTR-J102

XTIVOR product code XTR-J102

USD 200+



RATED TORQUE	RATED SPEED	RATED OUTPUT POWER
2 N·m	40 rpm	8.5 W

MECHANICAL

Length and width	44 mm
Height	43.4 mm
Weight	237 g

MODULE PERFORMANCE

Reduction ratio	30:1
Rated voltage	24 V
Rated current	0.7 A
Rated torque	2 N·m
Stall torque	10 N·m
Rated speed	40 rpm
No-load speed	160 rpm
Rated output power	8.5 W

MOTOR

Torque constant	0.272 N·m/A
Pole pairs	14

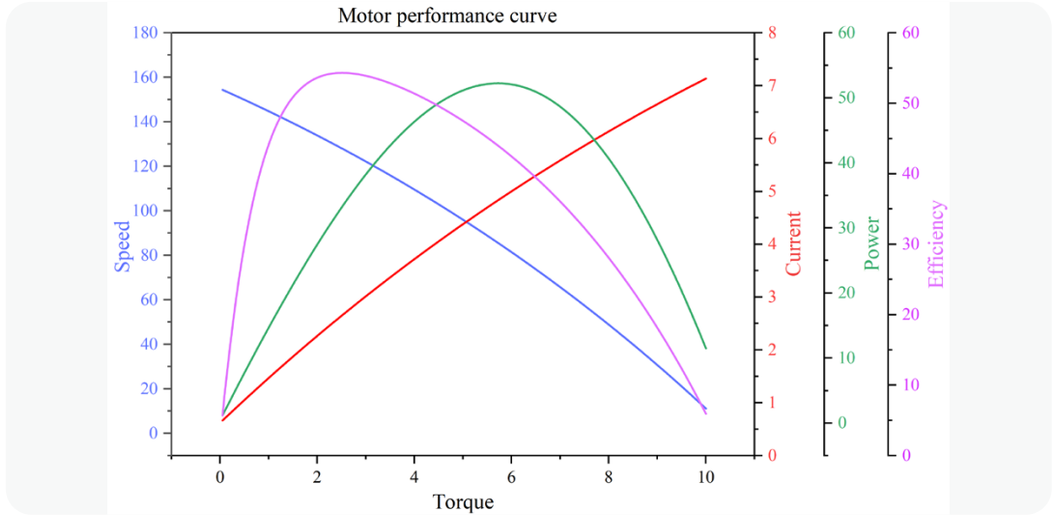
ELECTRICAL AND CONTROL

Voltage range	12 to 50.4 V
Peak current	10 A
Speed control accuracy	±10%
Torque control accuracy	±10%
Communication	CAN FD / CAN
Response time	140 µs
Input encoder resolution	14 bit
Output encoder resolution	14 bit
Bus bit rate	5 Mbps
Control frequency	3 kHz

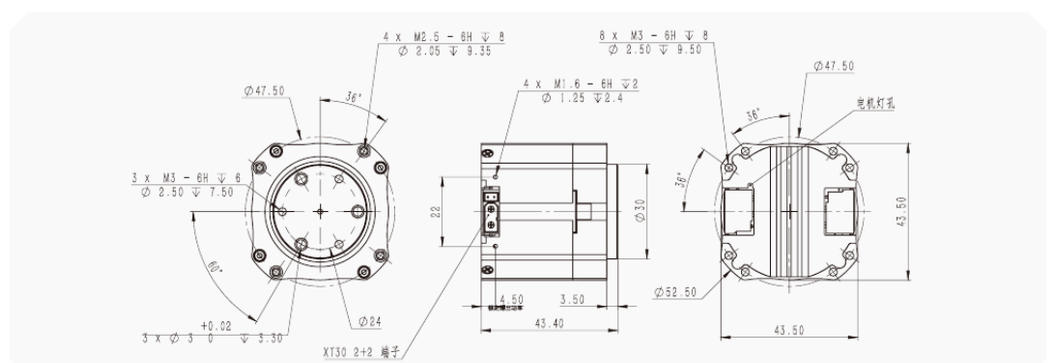
GEARBOX

Backlash	<10 arcmin
Positioning repeatability	<12 arcmin
Absolute positioning accuracy	<15 arcmin

TORQUE-SPEED CURVE



INSTALLATION DIMENSIONS



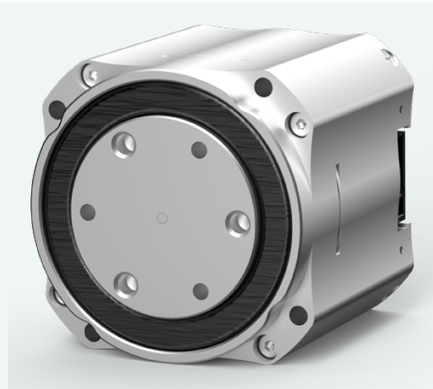
Indicative rounded prices. Exact configuration and volume pricing on request; shipping and taxes confirmed separately.

PLANETARY JOINT MODULE

XTR-J103

Alternate model code XTR-J103 / Crossed-roller bearing

USD 200+



RATED TORQUE	RATED SPEED	RATED OUTPUT POWER
2 N·m	40 rpm	8.5 W

MECHANICAL

Length and width	44 mm
Height	44.9 mm
Weight	237 g

MODULE PERFORMANCE

Reduction ratio	30:1
Rated voltage	24 V
Rated current	0.7 A
Rated torque	2 N·m
Stall torque	10 N·m
Rated speed	40 rpm
No-load speed	160 rpm
Rated output power	8.5 W

MOTOR

Torque constant	0.272 N·m/A
Pole pairs	14

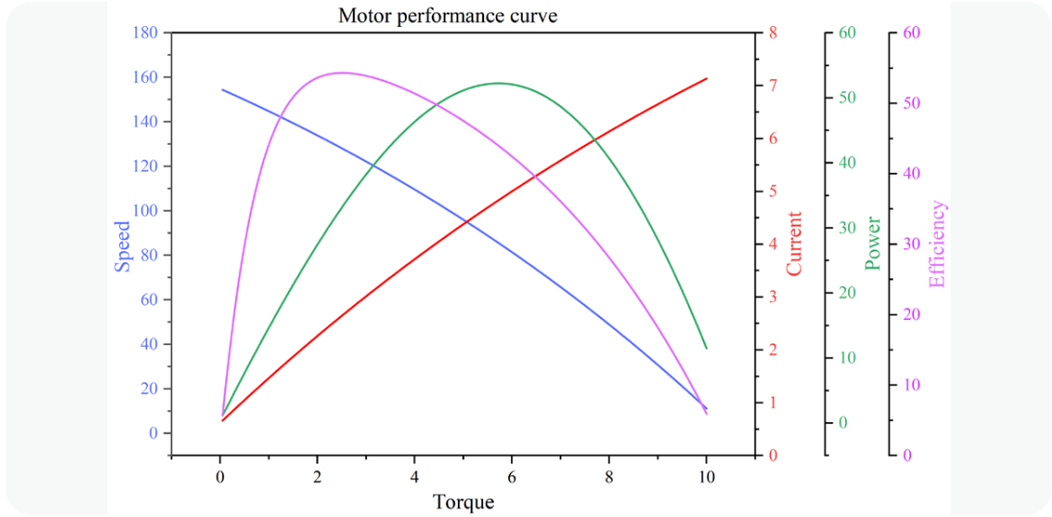
ELECTRICAL AND CONTROL

Voltage range	12 to 50.4 V
Peak current	10 A
Speed control accuracy	±10%
Torque control accuracy	±10%
Communication	CAN FD / CAN
Response time	140 µs
Input encoder resolution	14 bit
Output encoder resolution	14 bit
Bus bit rate	5 Mbps
Control frequency	3 kHz

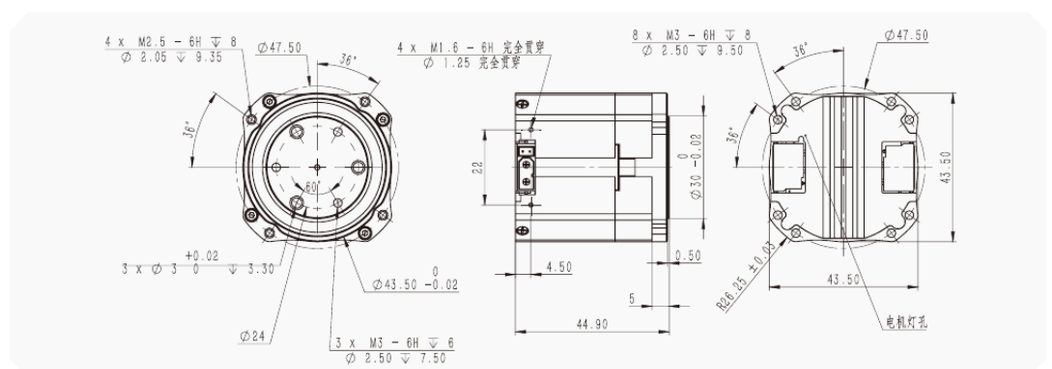
GEARBOX

Backlash	<10 arcmin
Positioning repeatability	<12 arcmin
Absolute positioning accuracy	<15 arcmin

TORQUE-SPEED CURVE



INSTALLATION DIMENSIONS

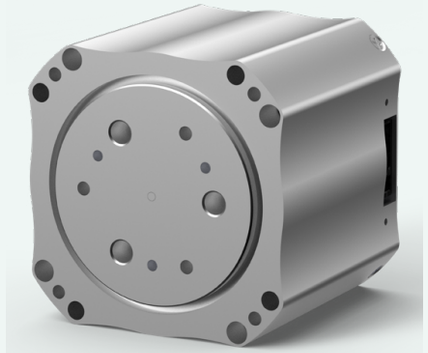


Indicative rounded prices. Exact configuration and volume pricing on request; shipping and taxes confirmed separately.

PLANETARY JOINT MODULE

XTR-J104

USD 200+



RATED TORQUE	RATED SPEED	RATED OUTPUT POWER
3.5 N·m	82 rpm	30 W

MECHANICAL

Length and width	50 mm
Height	47.4 mm
Weight	322 g

MODULE PERFORMANCE

Reduction ratio	22:1
Rated voltage	24 V
Rated current	2 A
Rated torque	3.5 N·m
Stall torque	13 N·m
Rated speed	82 rpm
No-load speed	123 rpm
Rated output power	30 W

MOTOR

Torque constant	0.54 N·m/A
Pole pairs	14

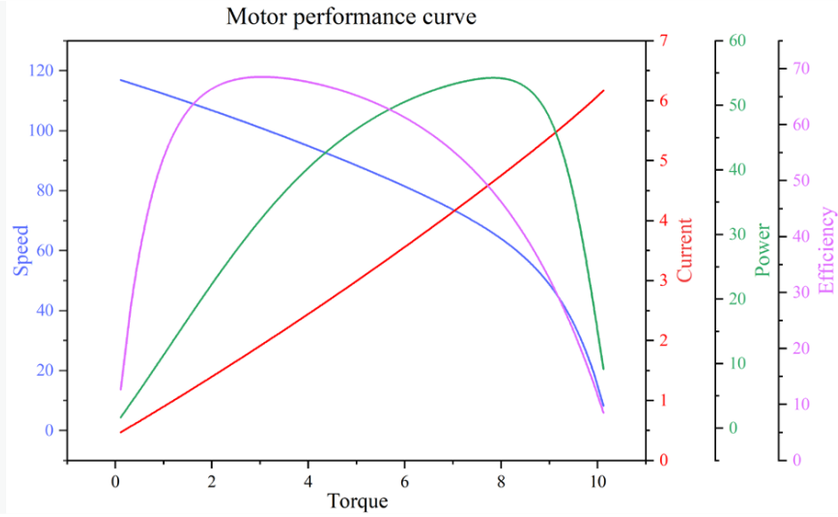
ELECTRICAL AND CONTROL

Voltage range	12 to 50.4 V
Peak current	10 A
Speed control accuracy	±10%
Torque control accuracy	±10%
Communication	CAN FD / CAN
Response time	140 µs
Input encoder resolution	14 bit
Output encoder resolution	14 bit
Bus bit rate	5 Mbps
Control frequency	3 kHz

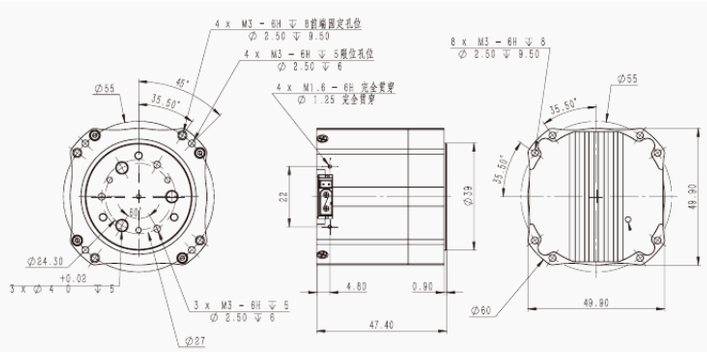
GEARBOX

Backlash	<10 arcmin
Positioning repeatability	<12 arcmin
Absolute positioning accuracy	<15 arcmin

TORQUE-SPEED CURVE



INSTALLATION DIMENSIONS

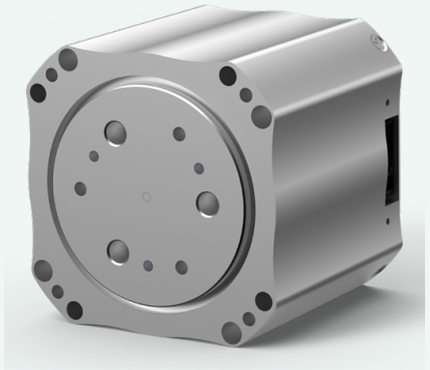


Indicative rounded prices. Exact configuration and volume pricing on request; shipping and taxes confirmed separately.

PLANETARY JOINT MODULE

XTR-J105

USD 200+



RATED TORQUE	RATED SPEED	RATED OUTPUT POWER
6 N·m	50 rpm	30 W

MECHANICAL

Length and width	50 mm
Height	47.4 mm
Weight	323 g

MODULE PERFORMANCE

Reduction ratio	36:1
Rated voltage	24 V
Rated current	2 A
Rated torque	6 N·m
Stall torque	21 N·m
Rated speed	50 rpm
No-load speed	75 rpm
Rated output power	30 W

MOTOR

Torque constant	0.54 N·m/A
Pole pairs	14

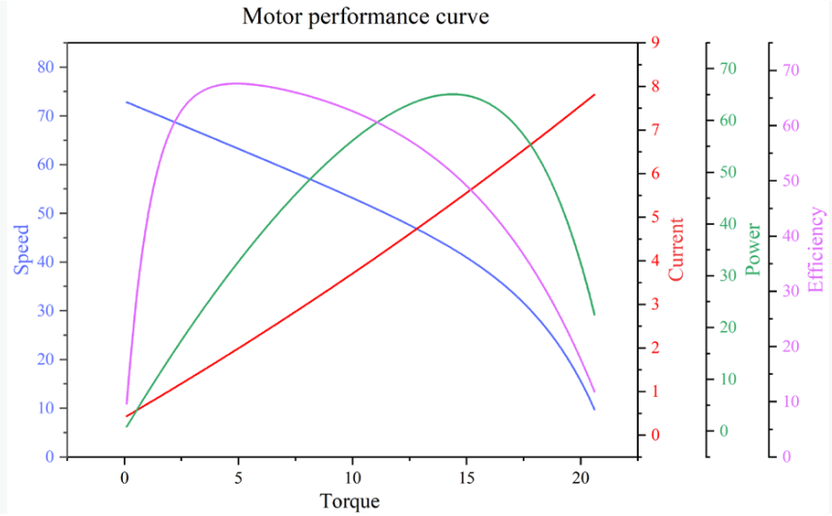
ELECTRICAL AND CONTROL

Voltage range	12 to 50.4 V
Peak current	10 A
Speed control accuracy	±10%
Torque control accuracy	±10%
Communication	CAN FD / CAN
Response time	140 µs
Input encoder resolution	14 bit
Output encoder resolution	14 bit
Bus bit rate	5 Mbps
Control frequency	3 kHz

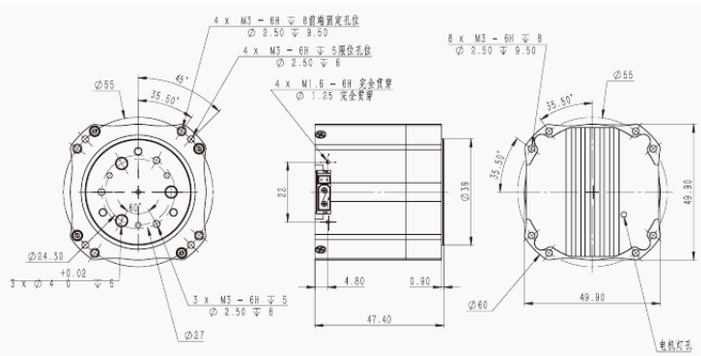
GEARBOX

Backlash	<10 arcmin
Positioning repeatability	<12 arcmin
Absolute positioning accuracy	<15 arcmin

TORQUE-SPEED CURVE



INSTALLATION DIMENSIONS



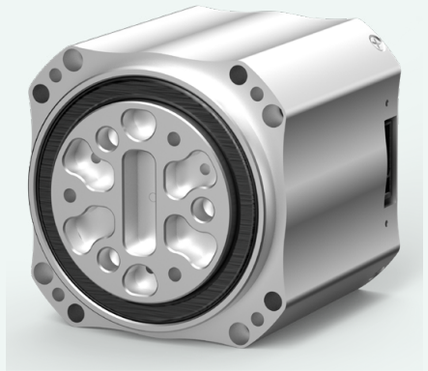
Indicative rounded prices. Exact configuration and volume pricing on request; shipping and taxes confirmed separately.

PLANETARY JOINT MODULE

XTR-J106

Crossed-roller bearing

USD 200+



RATED TORQUE	RATED SPEED	RATED OUTPUT POWER
6 N·m	50 rpm	30 W

MECHANICAL

Length and width	50 mm
Height	47.4 mm
Weight	345 g

MODULE PERFORMANCE

Reduction ratio	36:1
Rated voltage	24 V
Rated current	2 A
Rated torque	6 N·m
Stall torque	21 N·m
Rated speed	50 rpm
No-load speed	75 rpm
Rated output power	30 W

MOTOR

Torque constant	0.54 N·m/A
Pole pairs	14

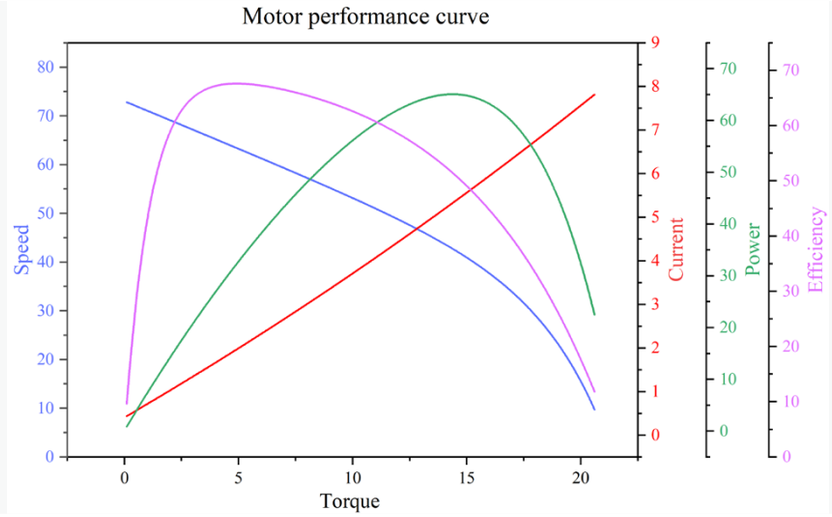
ELECTRICAL AND CONTROL

Voltage range	12 to 50.4 V
Peak current	10 A
Speed control accuracy	±10%
Torque control accuracy	±10%
Communication	CAN FD / CAN
Response time	140 µs
Input encoder resolution	14 bit
Output encoder resolution	14 bit
Bus bit rate	5 Mbps
Control frequency	3 kHz

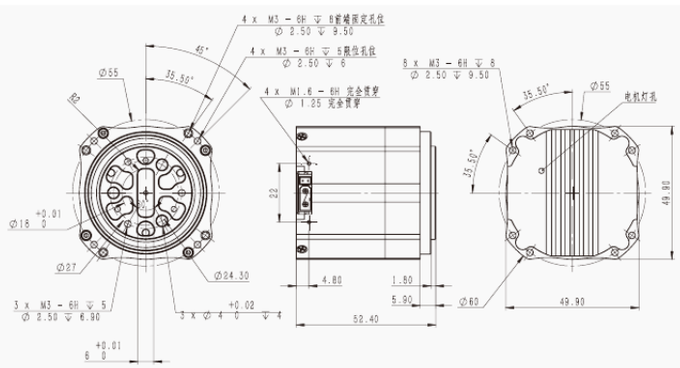
GEARBOX

Backlash	<10 arcmin
Positioning repeatability	<12 arcmin
Absolute positioning accuracy	<15 arcmin

TORQUE-SPEED CURVE



INSTALLATION DIMENSIONS

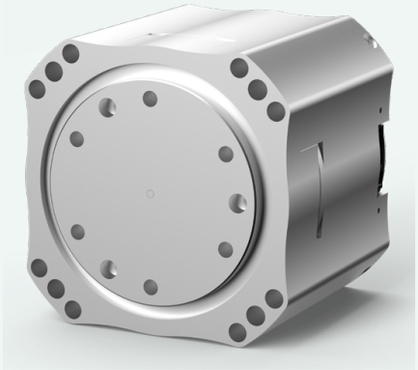


Indicative rounded prices. Exact configuration and volume pricing on request; shipping and taxes confirmed separately.

PLANETARY JOINT MODULE

XTR-J107

USD 300+



RATED TORQUE	RATED SPEED	RATED OUTPUT POWER
10 N·m	50 rpm	52 W

MECHANICAL

Length and width	60 mm
Height	56 mm
Weight	565 g

MODULE PERFORMANCE

Reduction ratio	36:1
Rated voltage	24 V
Rated current	3 A
Rated torque	10 N·m
Stall torque	36 N·m
Rated speed	50 rpm
No-load speed	60 rpm
Rated output power	52 W

MOTOR

Torque constant	0.531 N·m/A
Pole pairs	14

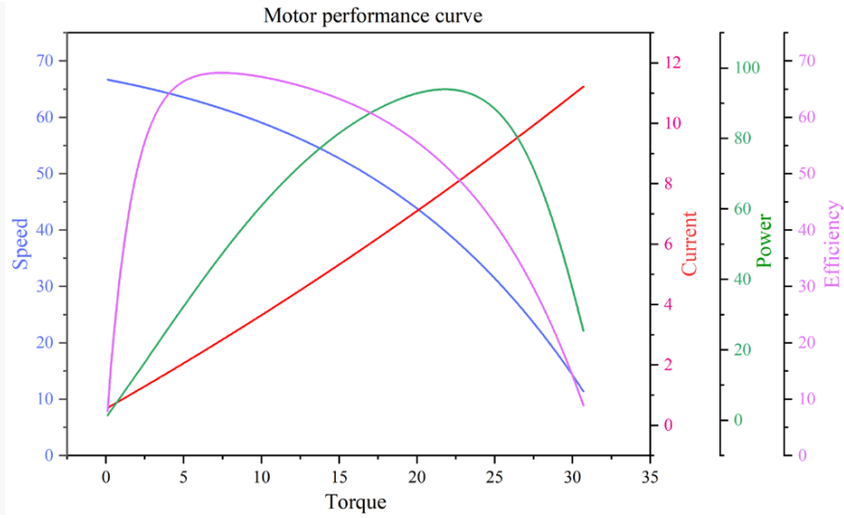
ELECTRICAL AND CONTROL

Voltage range	12 to 50.4 V
Peak current	15 A
Speed control accuracy	±10%
Torque control accuracy	±10%
Communication	CAN FD / CAN
Response time	140 µs
Input encoder resolution	14 bit
Output encoder resolution	14 bit
Bus bit rate	5 Mbps
Control frequency	3 kHz

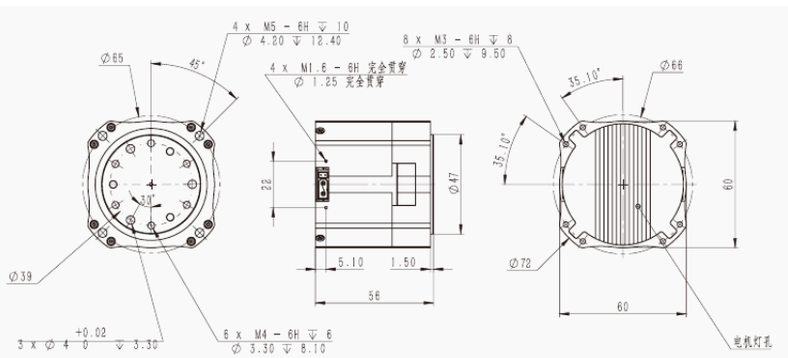
GEARBOX

Backlash	<10 arcmin
Positioning repeatability	<12 arcmin
Absolute positioning accuracy	<15 arcmin

TORQUE-SPEED CURVE



INSTALLATION DIMENSIONS



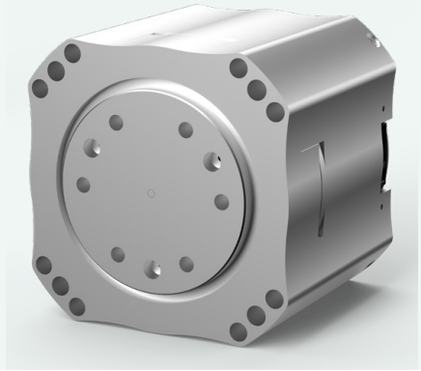
Indicative rounded prices. Exact configuration and volume pricing on request; shipping and taxes confirmed separately.

PLANETARY JOINT MODULE

XTR-J108

Crossed-roller bearing

USD 300+



RATED TORQUE	RATED SPEED	RATED OUTPUT POWER
10 N·m	50 rpm	52 W

MECHANICAL

Length and width	60 mm
Height	56 mm
Weight	570 g

MODULE PERFORMANCE

Reduction ratio	36:1
Rated voltage	24 V
Rated current	3 A
Rated torque	10 N·m
Stall torque	36 N·m
Rated speed	50 rpm
No-load speed	60 rpm
Rated output power	52 W

MOTOR

Torque constant	0.531 N·m/A
Pole pairs	14

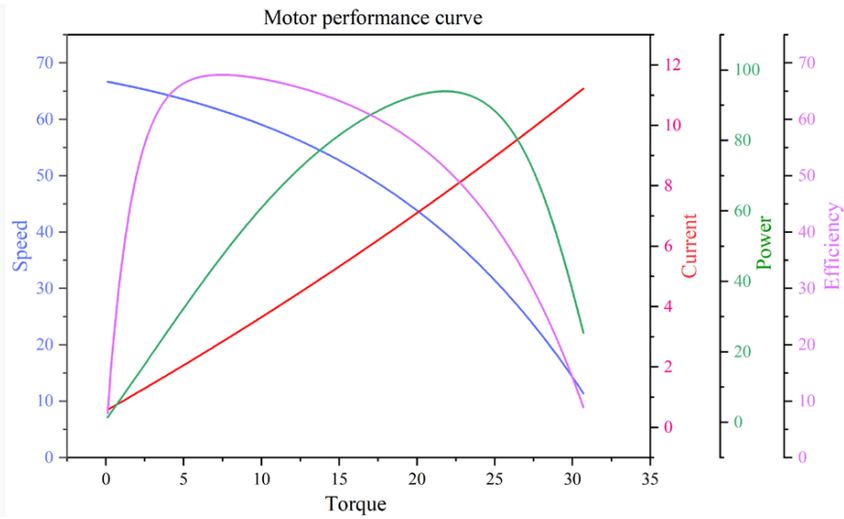
ELECTRICAL AND CONTROL

Voltage range	12 to 50.4 V
Peak current	15 A
Speed control accuracy	±10%
Torque control accuracy	±10%
Communication	CAN FD / CAN
Response time	140 µs
Input encoder resolution	14 bit
Output encoder resolution	14 bit
Bus bit rate	5 Mbps
Control frequency	3 kHz

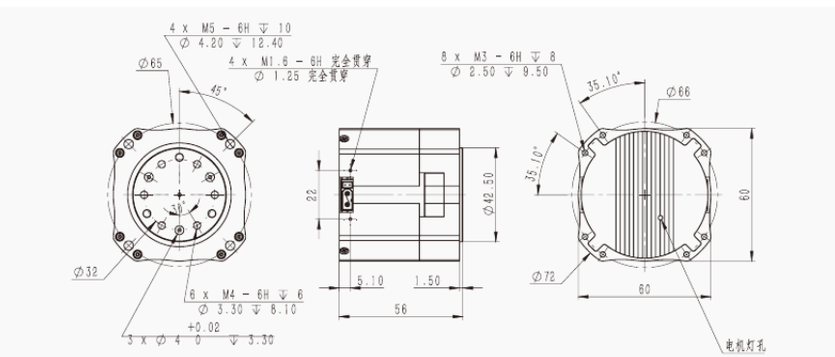
GEARBOX

Backlash	<10 arcmin
Positioning repeatability	<12 arcmin
Absolute positioning accuracy	<15 arcmin

TORQUE-SPEED CURVE



INSTALLATION DIMENSIONS

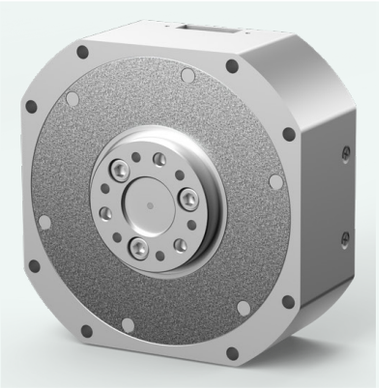


Indicative rounded prices. Exact configuration and volume pricing on request; shipping and taxes confirmed separately.

PLANETARY JOINT MODULE

XTR-J109

USD 200+



RATED TORQUE	RATED SPEED	RATED OUTPUT POWER
4 N·m	250 rpm	92 W

MECHANICAL

Length and width	75 mm
Height	35 mm
Weight	390 g

MODULE PERFORMANCE

Reduction ratio	7:1
Rated voltage	24 V
Rated current	5.6 A
Rated torque	4 N·m
Stall torque	12 N·m
Rated speed	250 rpm
No-load speed	270 rpm
Rated output power	92 W

MOTOR

Torque constant	0.602 N·m/A
Pole pairs	14

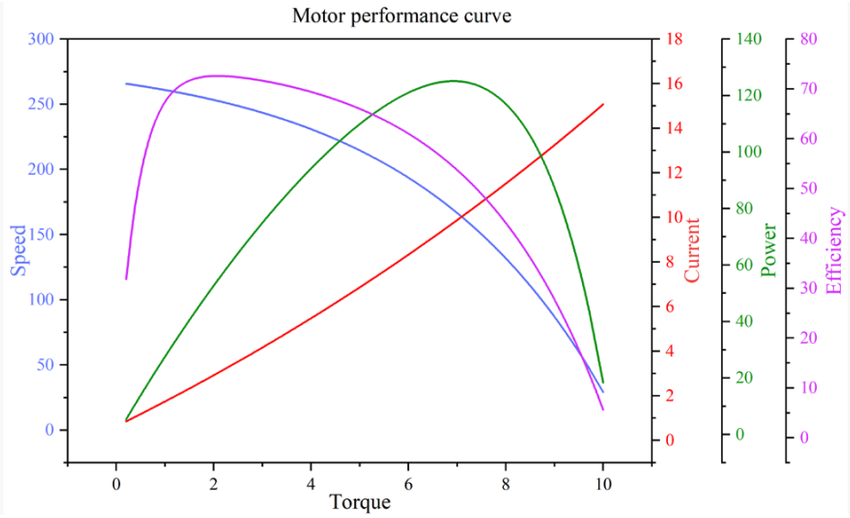
ELECTRICAL AND CONTROL

Voltage range	12 to 50.4 V
Peak current	20 A
Speed control accuracy	±10%
Torque control accuracy	±10%
Communication	CAN FD / CAN
Response time	140 µs
Input encoder resolution	14 bit
Output encoder resolution	14 bit
Bus bit rate	5 Mbps
Control frequency	3 kHz

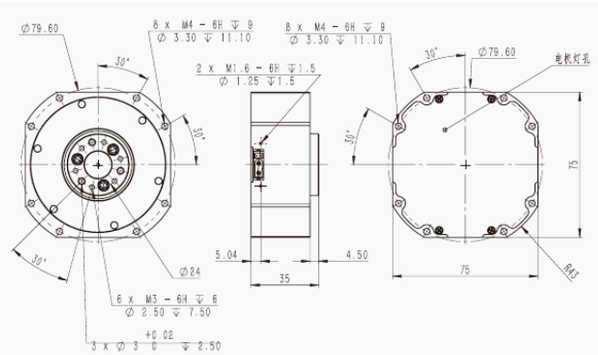
GEARBOX

Backlash	<10 arcmin
Positioning repeatability	<12 arcmin
Absolute positioning accuracy	<15 arcmin

TORQUE-SPEED CURVE



INSTALLATION DIMENSIONS



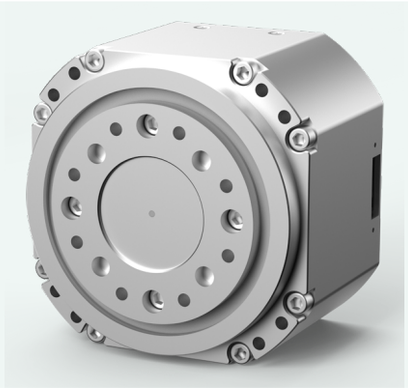
Indicative rounded prices. Exact configuration and volume pricing on request; shipping and taxes confirmed separately.

PLANETARY JOINT MODULE

XTR-J110

Crossed-roller bearing

USD 400+



RATED TORQUE	RATED SPEED	RATED OUTPUT POWER
18 N·m	50 rpm	94 W

MECHANICAL

Length and width	75 mm
Height	56 mm
Weight	850 g

MODULE PERFORMANCE

Reduction ratio	35:1
Rated voltage	24 V
Rated current	4.2 A
Rated torque	18 N·m
Stall torque	60 N·m
Rated speed	50 rpm
No-load speed	60 rpm
Rated output power	94 W

MOTOR

Torque constant	0.602 N·m/A
Pole pairs	14

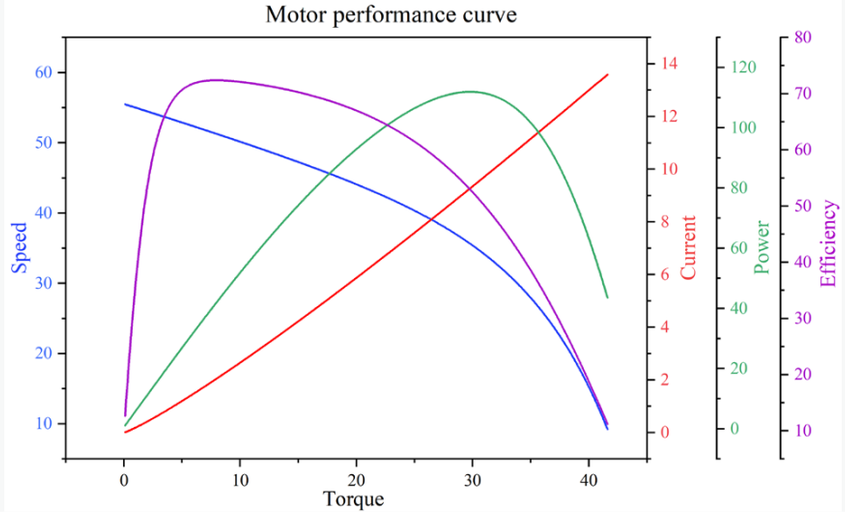
ELECTRICAL AND CONTROL

Voltage range	12 to 50.4 V
Peak current	20 A
Speed control accuracy	±10%
Torque control accuracy	±10%
Communication	CAN FD / CAN
Response time	140 µs
Input encoder resolution	14 bit
Output encoder resolution	14 bit
Bus bit rate	5 Mbps
Control frequency	3 kHz

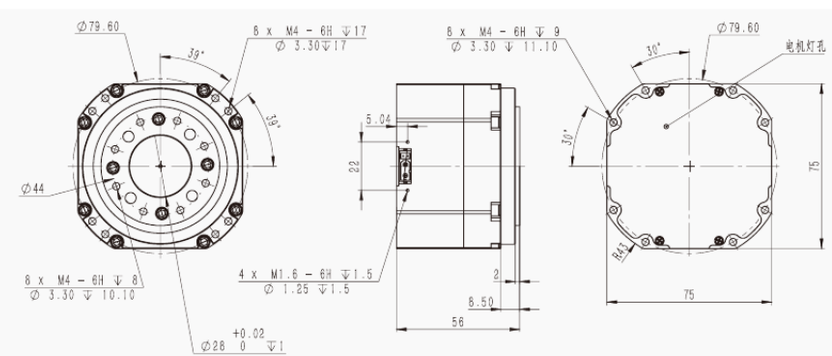
GEARBOX

Backlash	<10 arcmin
Positioning repeatability	<12 arcmin
Absolute positioning accuracy	<15 arcmin

TORQUE-SPEED CURVE



INSTALLATION DIMENSIONS

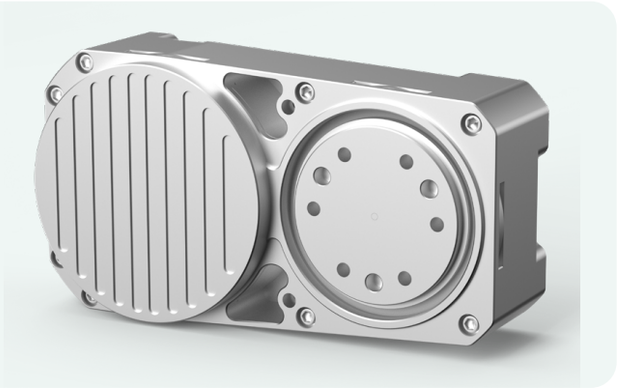


Indicative rounded prices. Exact configuration and volume pricing on request; shipping and taxes confirmed separately.

ULTRA-THIN JOINT MODULE

XTR-J111

USD 400+



RATED TORQUE	RATED SPEED	RATED OUTPUT POWER
10 N·m	50 rpm	52 W

MECHANICAL

Length and width	115 × 61.9 mm
Height	37 mm
Weight	558 g

MODULE PERFORMANCE

Reduction ratio	35:1
Rated voltage	24 V
Rated current	3 A
Rated torque	10 N·m
Stall torque	36 N·m
Rated speed	50 rpm
No-load speed	60 rpm
Rated output power	52 W

MOTOR

Torque constant	0.531 N·m/A
Pole pairs	14

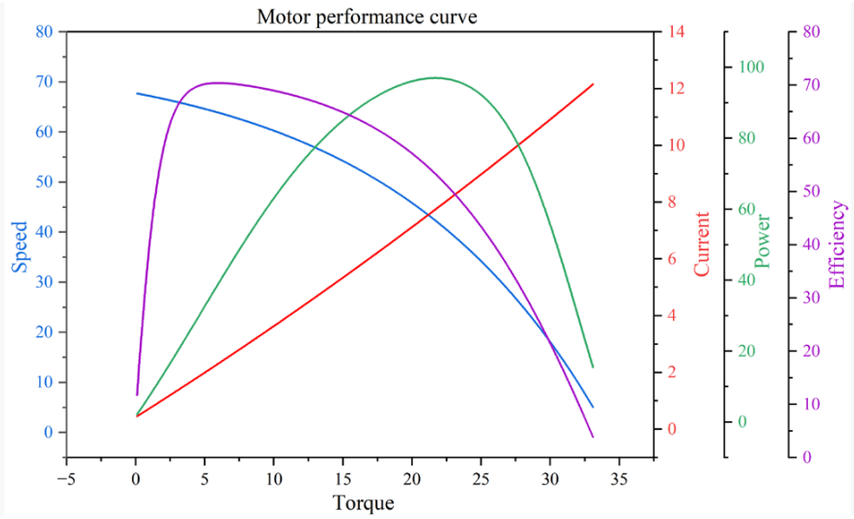
ELECTRICAL AND CONTROL

Voltage range	12 to 50.4 V
Peak current	15 A
Speed control accuracy	±10%
Torque control accuracy	±10%
Communication	CAN FD / CAN
Response time	140 µs
Input encoder resolution	14 bit
Output encoder resolution	14 bit
Bus bit rate	5 Mbps
Control frequency	3 kHz

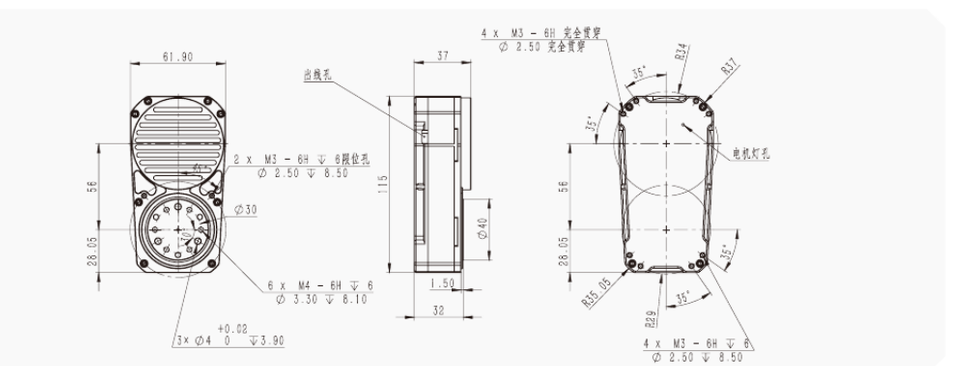
GEARBOX

Backlash	<10 arcmin
Positioning repeatability	<12 arcmin
Absolute positioning accuracy	<15 arcmin

TORQUE-SPEED CURVE



INSTALLATION DIMENSIONS

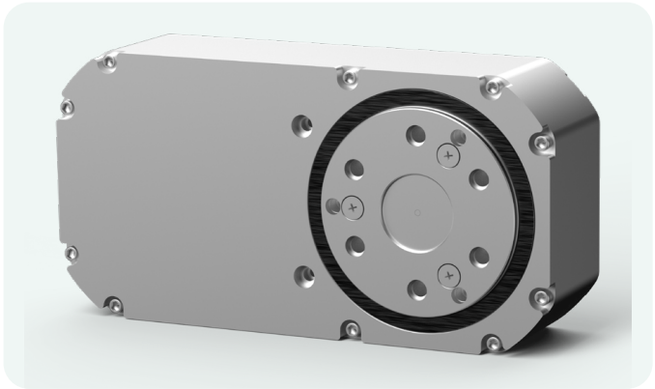


Indicative rounded prices. Exact configuration and volume pricing on request; shipping and taxes confirmed separately.

ULTRA-THIN JOINT MODULE

XTR-J112

USD 400+



RATED TORQUE	RATED SPEED	RATED OUTPUT POWER
20 N·m	40 rpm	84 W

MECHANICAL

Length and width	140.5 × 71.5 mm
Height	36.9 mm
Weight	808 g

MODULE PERFORMANCE

Reduction ratio	33:1
Rated voltage	24 V
Rated current	4.8 A
Rated torque	20 N·m
Stall torque	50 N·m
Rated speed	40 rpm
No-load speed	48 rpm
Rated output power	84 W

MOTOR

Torque constant	0.59 N·m/A
Pole pairs	14

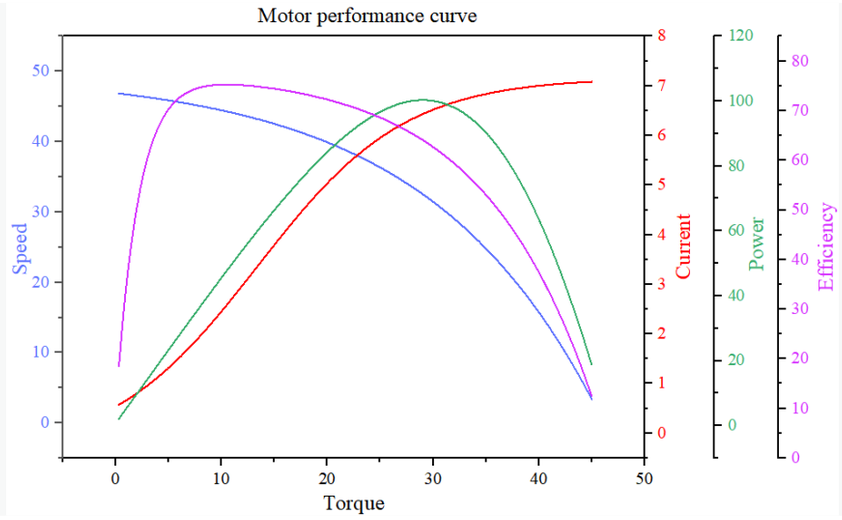
ELECTRICAL AND CONTROL

Voltage range	12 to 50.4 V
Peak current	20 A
Speed control accuracy	±10%
Torque control accuracy	±10%
Communication	CAN FD / CAN
Response time	140 µs
Input encoder resolution	14 bit
Output encoder resolution	14 bit
Bus bit rate	5 Mbps
Control frequency	3 kHz

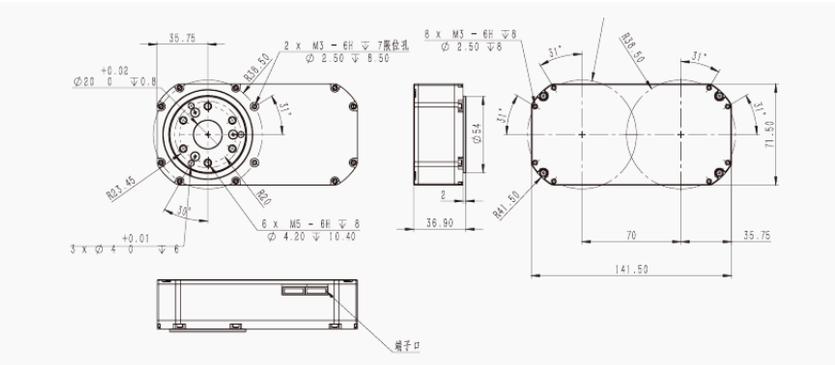
GEARBOX

Backlash	<10 arcmin
Positioning repeatability	<12 arcmin
Absolute positioning accuracy	<15 arcmin

TORQUE-SPEED CURVE



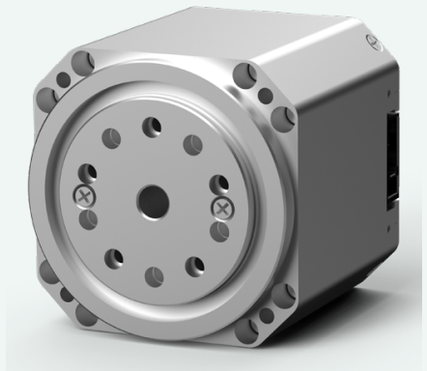
INSTALLATION DIMENSIONS



Indicative rounded prices. Exact configuration and volume pricing on request; shipping and taxes confirmed separately.

HOLLOW-BORE JOINT MODULE

XTR-J114



RATED TORQUE	RATED SPEED	RATED OUTPUT POWER
2 N·m	40 rpm	8.5 W

MECHANICAL

Length and width	44 mm
Height	44.9 mm
Weight	237 g

MODULE PERFORMANCE

Reduction ratio	31:1
Rated voltage	24 V
Rated current	0.7 A
Rated torque	2 N·m
Stall torque	10 N·m
Rated speed	40 rpm
No-load speed	160 rpm
Rated output power	8.5 W

MOTOR

Torque constant	0.272 N·m/A
Pole pairs	14

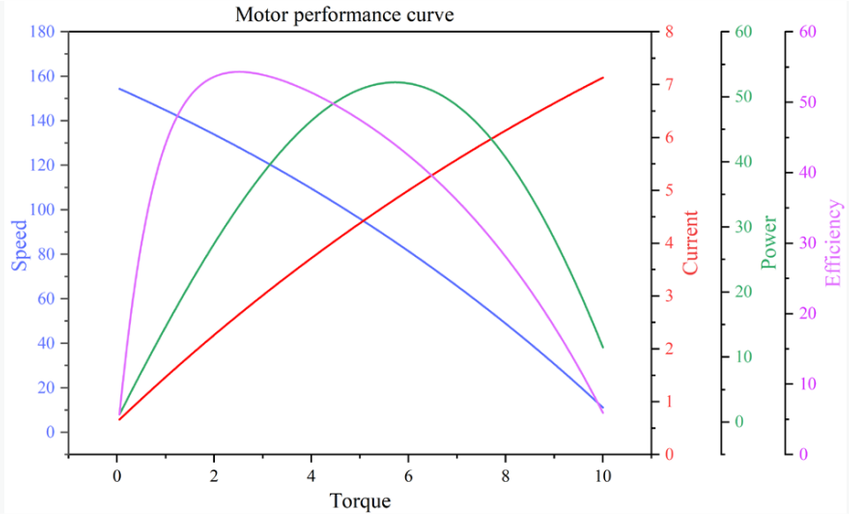
ELECTRICAL AND CONTROL

Voltage range	12 to 50.4 V
Peak current	10 A
Speed control accuracy	±10%
Torque control accuracy	±10%
Communication	CAN FD / CAN
Response time	140 µs
Input encoder resolution	14 bit
Output encoder resolution	14 bit
Bus bit rate	5 Mbps
Control frequency	3 kHz

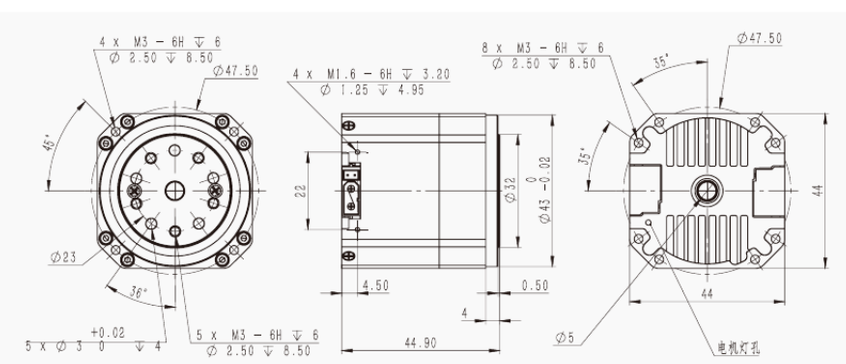
GEARBOX

Backlash	<10 arcmin
Positioning repeatability	<12 arcmin
Absolute positioning accuracy	<15 arcmin

TORQUE-SPEED CURVE



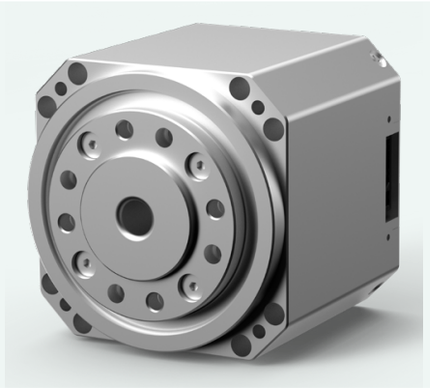
INSTALLATION DIMENSIONS



HOLLOW-BORE JOINT MODULE

XTR-J113

USD 300+



RATED TORQUE	RATED SPEED	RATED OUTPUT POWER
4 N·m	50 rpm	21 W

MECHANICAL

Length and width	50 mm
Height	53 mm
Weight	385 g

MODULE PERFORMANCE

Reduction ratio	31:1
Rated voltage	24 V
Rated current	2 A
Rated torque	4 N·m
Stall torque	16 N·m
Rated speed	50 rpm
No-load speed	103 rpm
Rated output power	21 W

MOTOR

Torque constant	0.54 N·m/A
Pole pairs	14

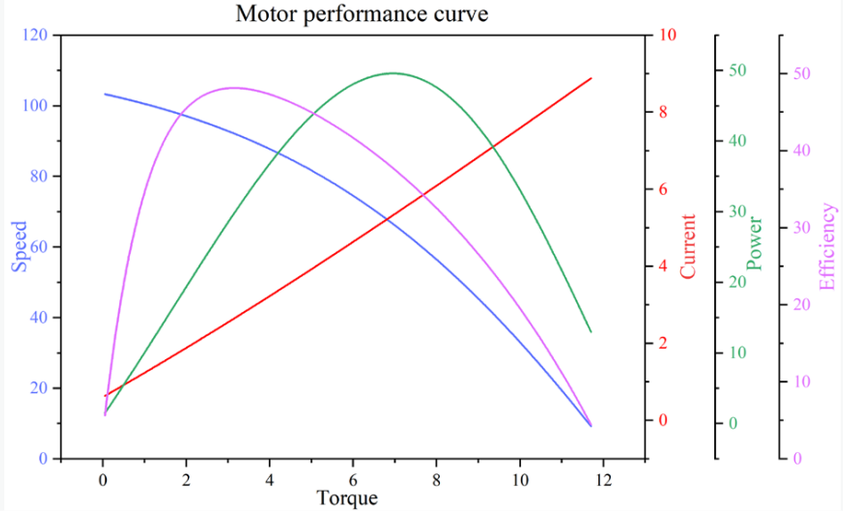
ELECTRICAL AND CONTROL

Voltage range	12 to 50.4 V
Peak current	10 A
Speed control accuracy	±10%
Torque control accuracy	±10%
Communication	CAN FD / CAN
Response time	140 µs
Input encoder resolution	14 bit
Output encoder resolution	14 bit
Bus bit rate	5 Mbps
Control frequency	3 kHz

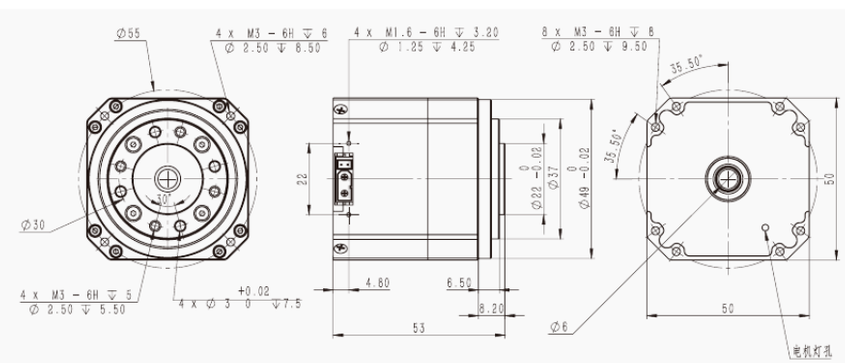
GEARBOX

Backlash	<10 arcmin
Positioning repeatability	<12 arcmin
Absolute positioning accuracy	<15 arcmin

TORQUE-SPEED CURVE



INSTALLATION DIMENSIONS

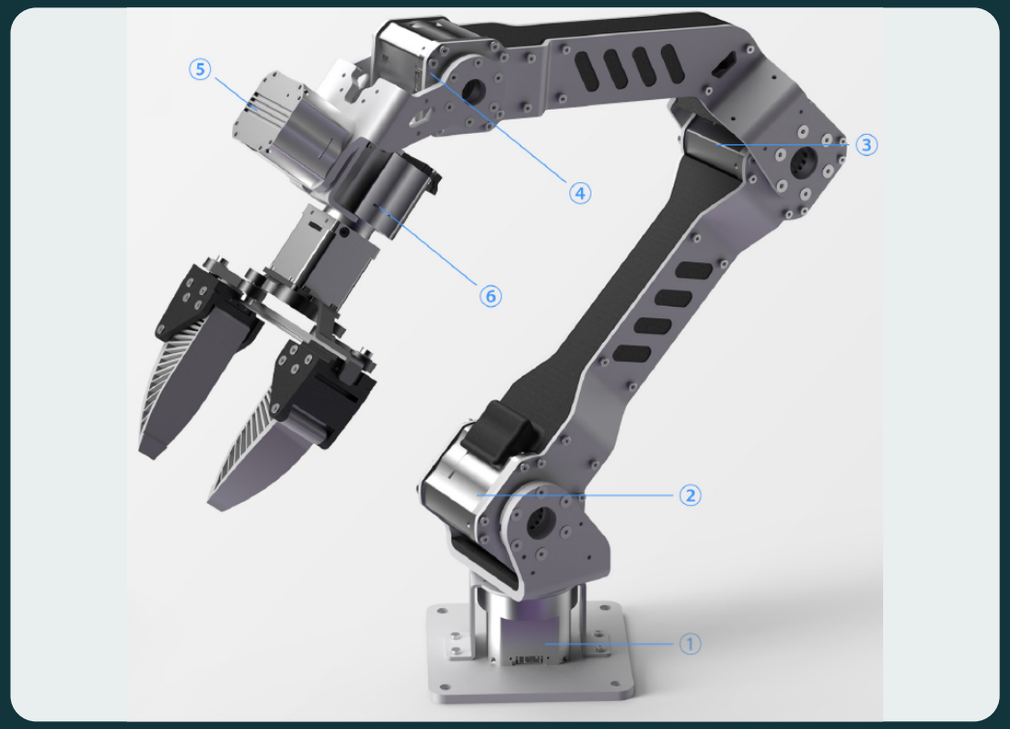


Indicative rounded prices. Exact configuration and volume pricing on request; shipping and taxes confirmed separately.

Robotics hardware for embodied AI

XTIVOR Robotics offers humanoid robots, robotic arms and servo joint modules for teams developing systems that move and interact with the physical world.

The portfolio spans complete robot platforms, manipulation hardware and joint-level components. It gives research teams, developers and system integrators a starting point for evaluating hardware, prototyping motion and selecting components for new designs.



XTR-A600 / SIX-AXIS ROBOTIC ARM

01

Humanoid robots

Compare XTR-H100, XTR-H200 and XTR-H300 configurations by degrees of freedom, onboard compute and available development tools.

02

Robotic arms

Explore six- and seven-axis configurations by payload, joint travel, control interface and installation dimensions.

03

Servo joint modules

Select planetary, ultra-thin or hollow-bore modules by rated torque, speed, size and control interface.

USD guide prices

Servo joint modules

NO.	PRODUCT TYPE	XTIVOR SKU	UNIT	GUIDE / USD
1	Joint module	**XTR-J101**	Each	**200+**
2	Joint module	**XTR-J102**	Each	**200+**
3	Joint module	**XTR-J103**	Each	**200+**
4	Joint module	**XTR-J104**	Each	**200+**
5	Joint module	**XTR-J105**	Each	**200+**
6	Joint module	**XTR-J106**	Each	**200+**
7	Joint module	**XTR-J107**	Each	**300+**
8	Joint module	**XTR-J108**	Each	**300+**
9	Joint module	**XTR-J109**	Each	**200+**
10	Joint module	**XTR-J110**	Each	**400+**

Indicative rounded prices. Exact configuration and volume pricing on request; shipping and taxes confirmed separately.

USD guide prices

Servo joint modules

NO.	PRODUCT TYPE	XTIVOR SKU	UNIT	GUIDE / USD
11	Joint module	**XTR-J111**	Each	**400+**
12	Joint module	**XTR-J112**	Each	**400+**
13	Joint module	**XTR-J113**	Each	**300+**

XTR-J114: price on request. Contact us to confirm configuration and availability.

Indicative rounded prices. Exact configuration and volume pricing on request; shipping and taxes confirmed separately.