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SLANVERT



N3 Pulse Series

**High performance pulse
servo system**

SLANVERT

The Art Of Technology



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- Power range : 0.2~10kW
- Pulse Command : Pulse + Direction (Positive and Negative Logic), AB Quadrature 4x,CW+CCW
- Supports frequency division output function to form a semi-closed-loop system
- High performance: carrier frequency: 8kHz, current loop frequency: 16kHz. Velocity Loop Frequency: 16kHz, Position Loop Frequency: 4kHz
- High usability: support rigid table adjustment parameters, one-click self-tuning, single parameter adjustment parameters
- High speed: collector input is up to 200kHz, differential input is up to 4MHz. Smaller pulse subdivision, higher position control accuracy



Powerful Debugging Tools

- Parameter configuration, self-tuning, curve analysis, etc.



High Speed

- Supports up to 4M pulse differential input
- Supports up to 200k pulse collector input
- Supports up to 4M pulse division output
- Smaller pulse subdivision and higher position control accuracy



Flexible IO Functions

- AI
- DI
- DO
- Low/high speed input



Multiple Inputs Voltage

- Single-phase AC220V
- Three-phase AC380V



Compact Volumetric Design

- Reduces Volume by 20%
- Reliable EMC design



High Usability

- Support rigid table adjustment parameters
- Support one-click self-tuning
- Support for single-parameter tuning parameters
- Greatly shortens servo tuning time, enhancing ease of use.



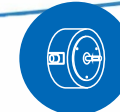
Enhanced Vibration Suppression

- Built-in four resonance suppression filters
- Second-order torque low-pass filter
- Input Integer Filter
- Positional Trap Filter
- Solving vibration problems at low, medium and high frequencies



Quick & Easy Panel

- Integrated rigidity table, debugging is more simple and convenient
- Integrated point-and-click, self-learning and more
- information diagnosis



Rich Encoder Types

- Tamagawa Protocol Encoders



High-performance Drive

High-performance Servo Motor

- High torque range
- High dynamic response

- Carrier frequency: 8kHz
- Current loop frequency: 16kHz
- Velocity loop frequency: 16kHz
- Position loop frequency: 4kHz
- Adopting FPGA current loop architecture. Current loop response bandwidth up to 3KHz. Smaller control delay and faster following

Industries



Automobile



Mechanics and industrial robots



Lithium battery



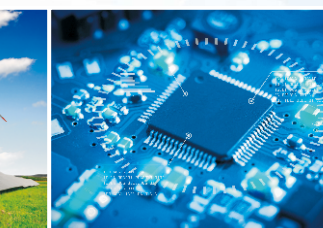
Consumer electronics



Printing



New energy



Semiconductor and electronic technology



Entertainment



Food packaging

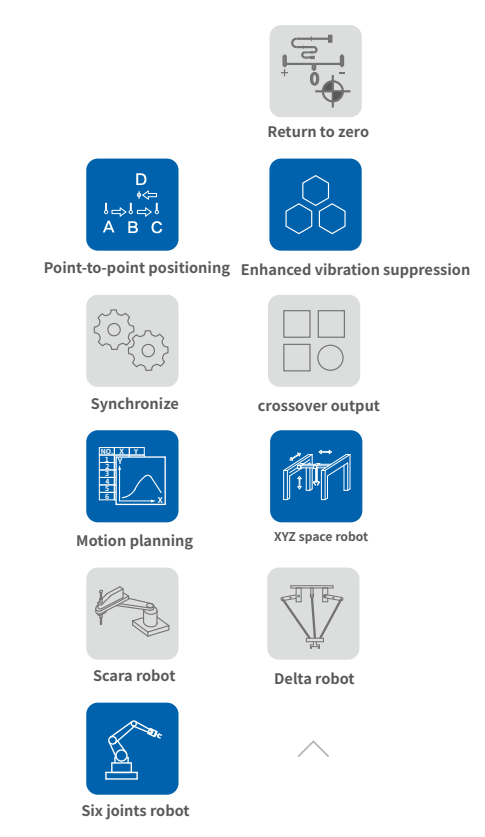


N3 Series

High performance pulse servo system

The N3 series pulse-type servo drive are perfectly matched the KMT series servo motors, suitable for various application of motion control .Arbitrary switching of position control, speed control and torque control is possible. Through optimized design, N3 servo systemcan offer users an excellent performance, rich functions, stable reliability, and convenient flexibility.

Application



Ordering Information

N3 RP - 1R8SA-E-□

1 2 3 4 5 6 7 8

N3:series

Code No.	Type
N3	N3:series

R : Model type

Code No.	Representative type
R	Standard servo unit

E : Control interface method

Code No.	Description
E	EtherCAT type
P	Pulse type

4R2 : Rated output current

Code No.	Description
1R8	1.8 Arms
2R8	2.8 Arms
3R5	3.5 Arms
4R2	4.2 Arms
5R4	5.4 Arms
6R8	6.8 Arms
8R3	8.3 Arms
060	6.0 Arms
100	10.0 Arms
120	12.0Arms
140	14.0Arms
210	21.0 Arms
250	25.0Arms

Home Definition

Code No.	Description
None	Standard type
SG	STO+Gantry
SM	STO+RS485

E : First encoder type

Code No.	Description
E	Communication encoder

A : Voltage level and input method

Code No.	Description
A	Single-phase AC220V
C	Three-phase AC380V

S : Capacity level

Code No.	Description
S	Standard capacity type
P see Note 2)	Enhanced capacity type

Note: 1) The naming rules are only used for model analysis and cannot be used for ordering. Please consult before ordering.
2) Under the same current capability, increasing the capacitance will provide stronger output power, which is suitable for situations with more frequent current surges.
3) *Products in the pipeline, please contact for details.



N3RP series

High performance pulse servo system



General Specifications

Usage environment

Storage temperature	-20~70℃
Transport temperature	-20~70℃
Operating temperature	0~45℃
Relative air humidity	Below 90%RH, no condensation
Vibration resistance	4.9m/s ²
Impact strength	19.6m/s ²
Use altitude	Below 1000m; When use above 1000m, derate by 1.1% for every 100m,Maximum operating altitude is 2000m.
Working environment	No corrosive, no flammable gases, no oil droplets, no conductive dust, no dust
IP	IP20
Flammability rating	V0

Voltage

Range	Single-phase AC 200V~AC 240V or three-phase AC 345V~AC 440V
Frequency	50/60Hz ±5%
PWM frequency/control method	8kHz && sine wave current drive

Inputs\Outputs

Digital Input Signal	Functions can be configured: forward overtravel switch, reverse overtravel switch, home switch, etc.
Digital Output Signal	Functions can be configured: servo ready, zero speed signal, speed arrival, position arrival,Position proximity signal, torque limit in progress, warning, servo fault, etc.

IO

DI	7*DI, 200μs refresh period
DO	5*DO, single maximum withstand voltage DC30V, maximum continuous current DC 50mA
AI	2*AI, 12bit precision, ±10V voltage input type

Supported Functions

Electronic Gear Ratios	Built-in two sets of electronic gear ratios, support gear ratio switching function
Limit switch	Stop immediately when the forward overtravel switch and reverse overtravel switch are actuated.
Fault detection	Over-current, over-voltage, under-voltage, overload, main circuit detection abnormality, radiator overheating, over-speed, encoder abnormality, parameter abnormality, etc.
Display function	5-digit LED display, power indicator CHARGE
Vibration suppression	4 traps, 50Hz~5000Hz, 4 traps can be set adaptively
Usability	Self-tuning, velocity observer, model tracking
Debugging interface	USB
otherwise	Status Display, Alarm Logging, JOG Allowed, etc.

AC220V N3 Technical Specifications

Model	1R8SA	2R8SA	4R2SA	060PA	100SA	180SA
Input Power	AC 200V ~ AC 240V					
Frequency	50/60 Hz					
Power	200 W	400 W	750 W	1.0kW	1.5kW	4kW
Input Current	2.3 Arms	4Arms	7.9Arms	9.6 Arms	12.8 Arms	18.7 Arms
Rated Output Current	1.8 Arms	2.8 Arms	4.2Arms	6 Arms	10 Arms	18Arms
Max Output Current	5.8 Arms	8.4 Arms	12.9Arms	18.2 Arms	30.0 Arms	45 Arms
Overload Factor	300%	300%	300%	300%	300%	250%
IO	7 DI ; 5 DO					
Built-in Breaking Resistor	×	×	×	×	25Ω/80W	20Ω/100W
Min Resistance of External Braking Resistor	50Ω	50Ω	50Ω	25Ω	15Ω	10Ω
Dimension Information WxHxD(mm)	35x170x155		50x170x155		85x165x190	85*270*251.7
Size Specification	E1		E2		E3	E4



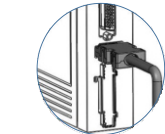
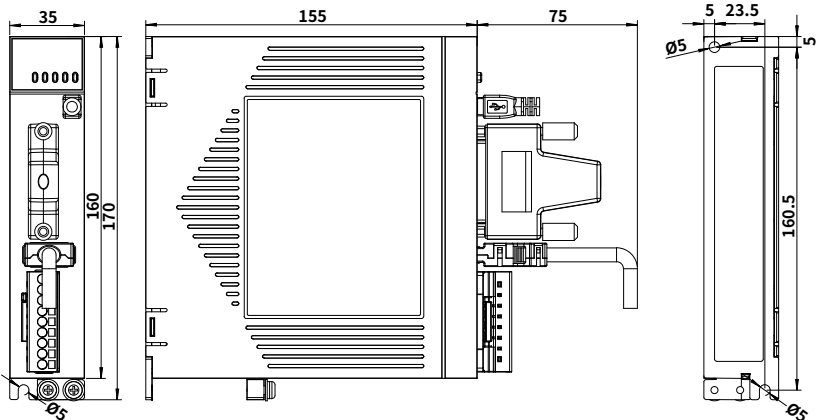
AC380V N3 Technical Specifications

Model	5R4SC	6R8SC	8R3SC	100SC	120SC	140SC	210SC	250SC
Input Power	AC 345V ~ AC 440V							
Frequency	50/60 Hz							
Power	2kW	3kW	4kW	5kW	6kW	7kW	9kW	10kW
Three-phase Input Current*	3.6Arms	6.6Arms	6.6Arms	8.0Arms	12.0Arms	12.0Arms	21.0Arms	21.0Arms
Rated Output Current	5.4Arms	6.8Arms	8.3Arms	10.0Arms	12.0Arms	14.0Arms	21.0Arms	25.0Arms
Max Output Current	14.0Arms	20.0Arms	20.0Arms	29.8Arms	36.0Arms	41.3Arms	63.0Arms	65.0Arms
Overload Factor	250%	300%	250%	290%	300%	290%	300%	250%
IO	7 DI ; 5 DO							
Built-in Braking Resistor	100Ω/80W	50Ω/80W	50Ω/80W	50Ω/80W	35Ω/100W	35Ω/100W	35Ω/100W	35Ω/100W
Min Resistance of External Braking Resistor	50Ω	50Ω	50Ω	50Ω	50Ω	50Ω	20Ω	20Ω
Dimension Information WxHxD(mm)	85*165*190				85*270*251.7			
Size Specification	E3				E4			
Recommended Circuit Breaker Current	Three-phase input current x				Matching motor power Matching drive power (Note 2)			

- Note: 1. Please refer to the braking resistor selection table in the drive accessories section for the specific selection of external braking resistor.
2. For example: 250SC drive 10kW full load three-phase input current is 21A, matching 9kW servo motor, the recommended circuit breaker current is 21 * 9/10 = 18.9A.
3. The data with “*” is the data under three-phase 380V voltage test.

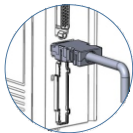
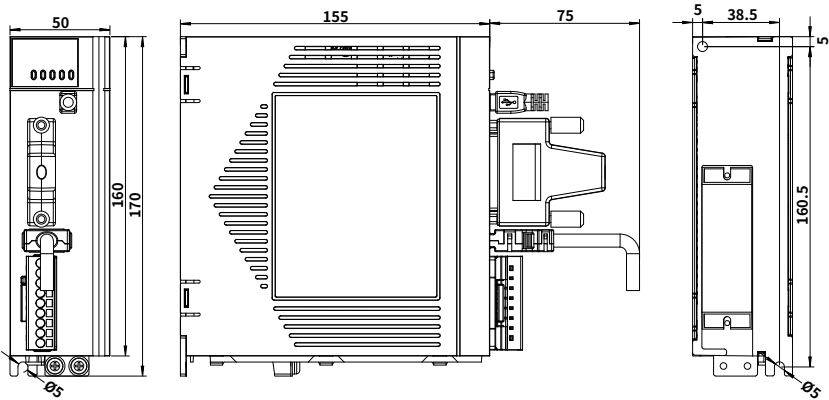


AC220Vclass N3 ServoDrive Dimensions



Note: When wiring the drive, route the cables downward to avoid damage from liquids flowing into the drive along the cables in the field.

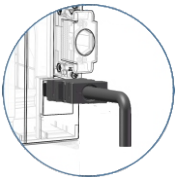
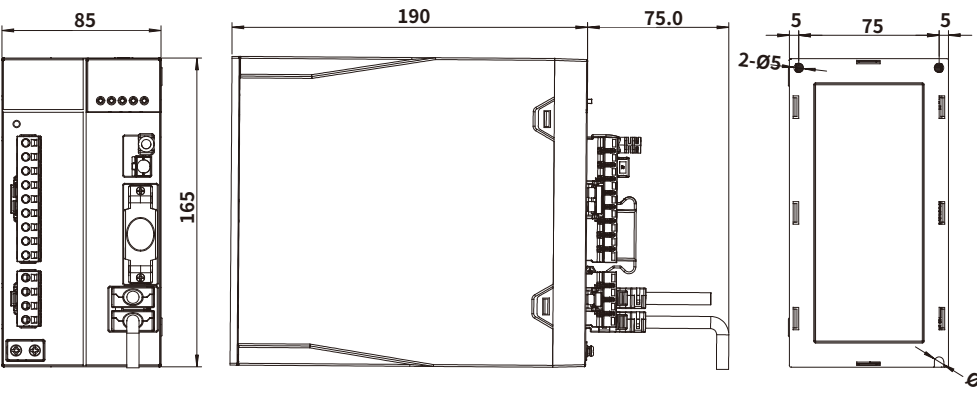
No.	Drives model	Specifications: W×H×D(mm)
1	N3RP-1R8SA	E1
2	N3RP-2R8SA	35X170X155



Note: When wiring the drive, route the cables downward to avoid damage from liquids flowing into the drive along the cables in the field.

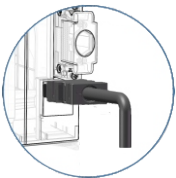
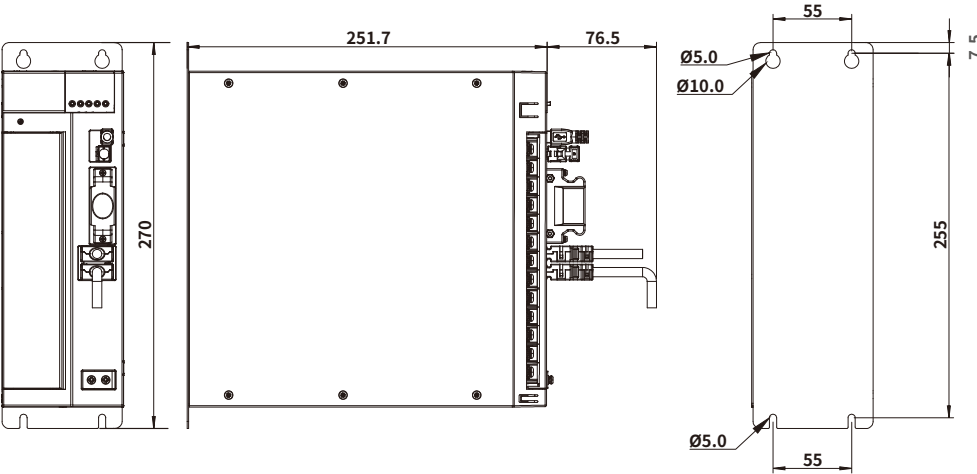
No.	Drives model	Specifications: W×H×D(mm)
1	N3RP-4R2SA	E2
2	N3RP-060PA	50X170X155

AC380Vclass N3 ServoDrive Dimensions



Note: When wiring the drive, route the cables downward to avoid damage from liquids flowing into the drive along the cables in the field.

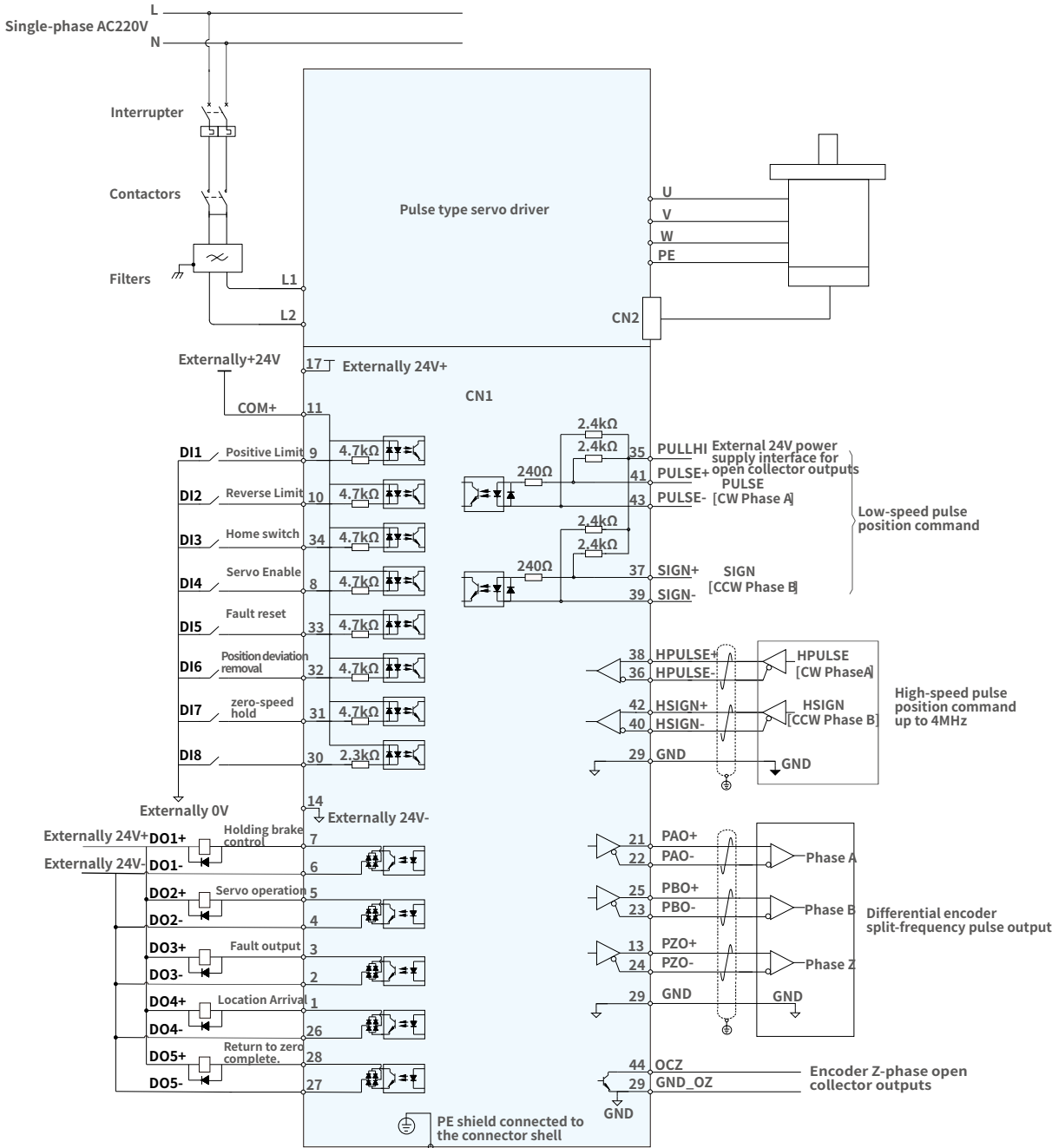
No.	Drives model	Specifications: W×H×D(mm)
1	N3RP-100SA-E	E3 85X165X190
2	N3RP-5R4SC-E	
3	N3RP-6R8SC-E	
4	N3RP-8R3SC-E	
5	N3RP-100SC-E	



Note: When wiring the drive, route the cables downward to avoid damage from liquids flowing into the drive along the cables in the field.

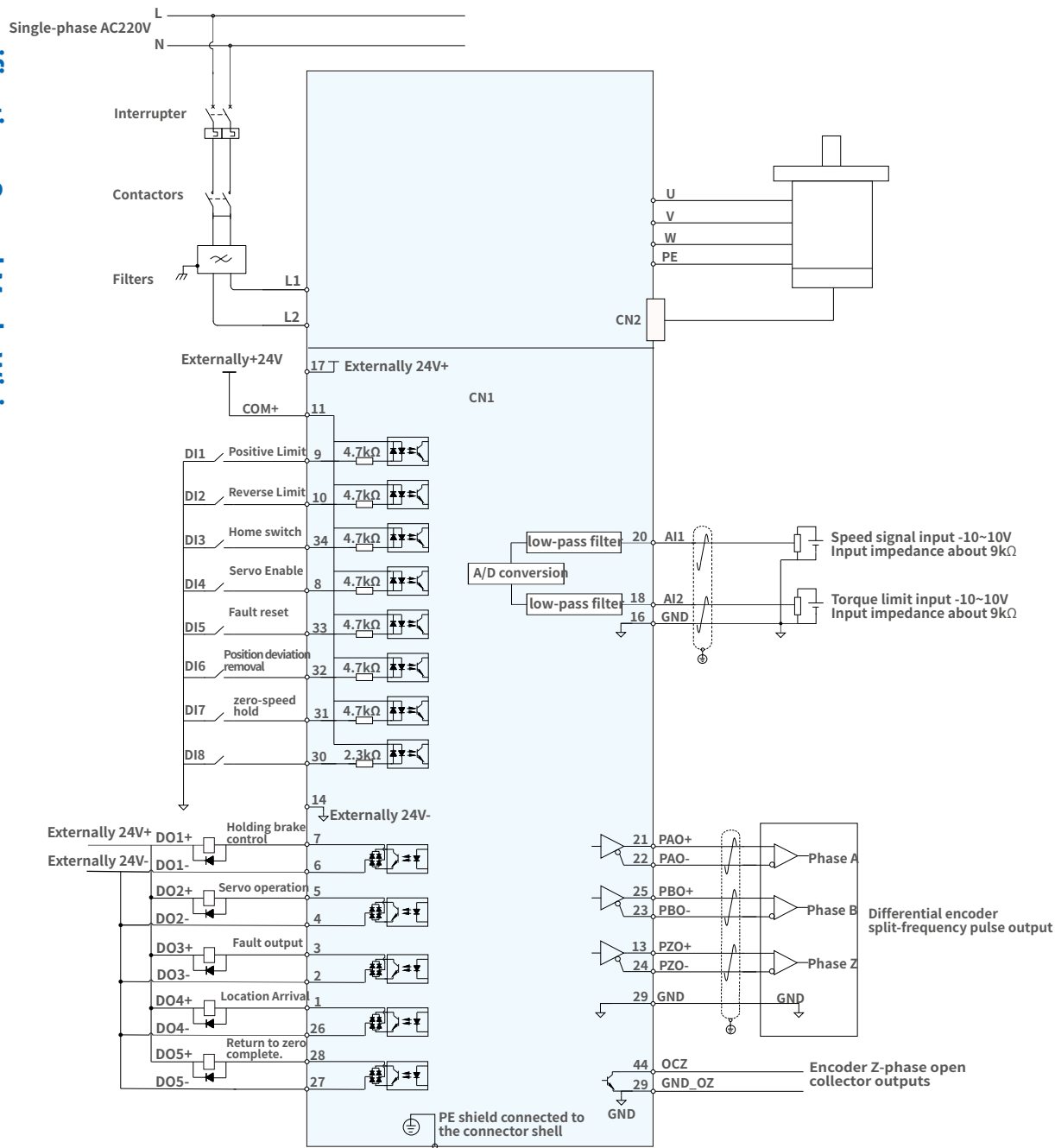
No.	Drives model	Specifications: W×H×D(mm)
1	N3RP-180SA-E	E4 85X270X251.7
2	N3RP-120SC-E	
3	N3RP-140SC-E	
4	N3RP-210SC-E	
5	N3RP-250SC-E	

E1/E2Specifications Position Mode Wiring
N3RP Drive Wiring Diagram



- Notes:
- Internal 24V power supply range 20-28V, maximum operating current 200mA.
 - DI input power supply needs to be connected externally, supply voltage range 12-24VDC, the maximum does not exceed 30VDC.
 - High-speed / low-speed pulse port wiring please use twisted shielded wire, the shield must be connected to PE at both ends, GND and the host computer signal ground reliable connection.
 - DO output power supply needs to be connected externally, power supply range 5-24 V. Maximum permissible voltage of DO port is DC30V, maximum permissible current is 50mA.
 - Encoder crossover output cable please use twisted shielded cable, the shield must be connected to PE at both ends, GND and the upper computer signal ground reliable connection.

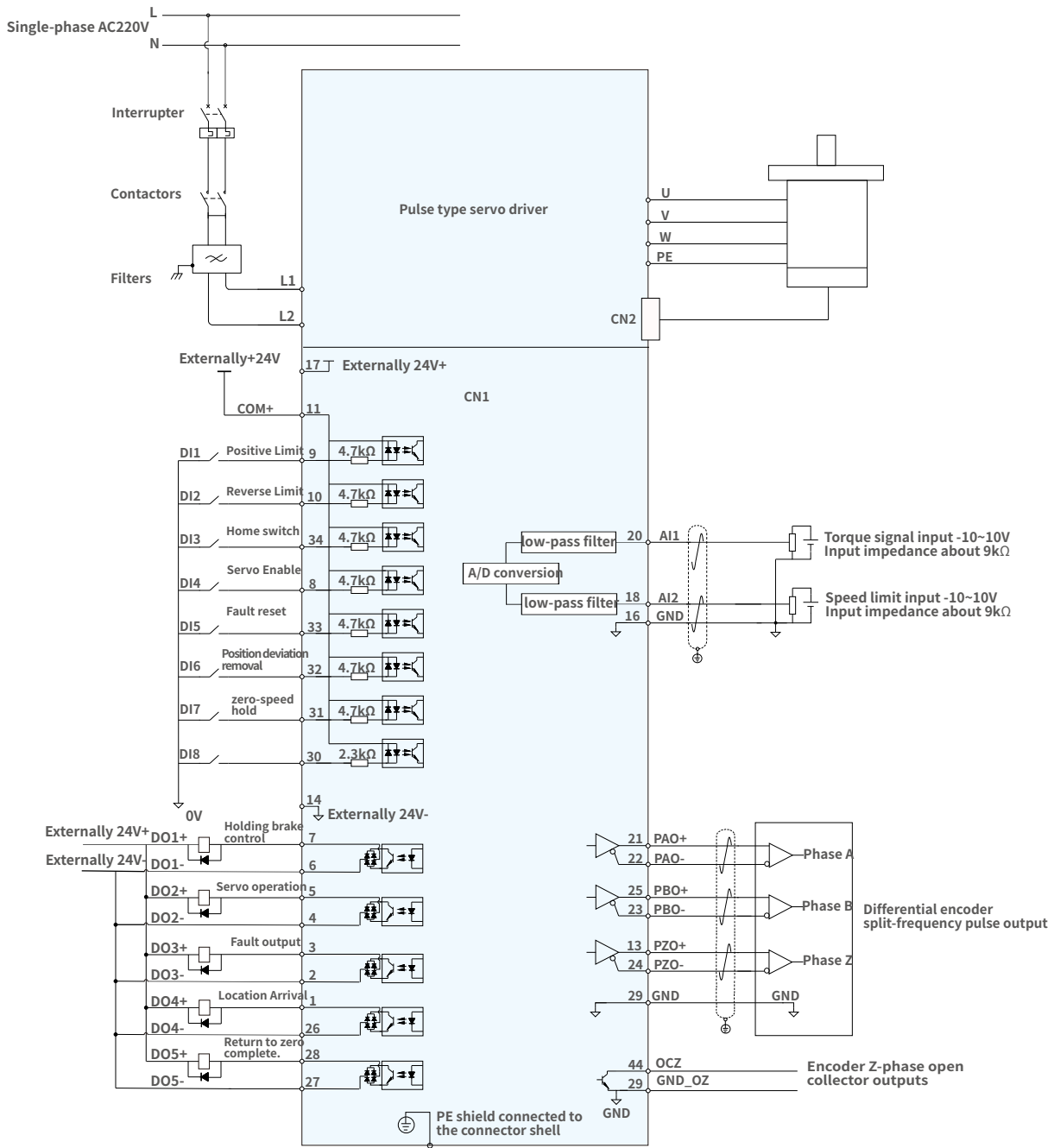
E1/E2 Specifications Speed Mode Wiring
N3RP Drive Wiring Diagram



Notes:

- 1、Internal 24V power supply range 20-28V, maximum operating current 200mA.
- 2、DI input power supply needs to be connected externally, supply voltage range 12-24VDC, the maximum does not exceed 30VDC.
- 3、High-speed / low-speed pulse port wiring please use twisted shielded wire, the shield must be connected to PE at both ends, GND and the host computer signal ground reliable connection.
- 4、DO output power supply needs to be connected externally, power supply range 5-24 V. Maximum permissible voltage of DO port is DC30V, maximum permissible current is 50mA.
- 5、Encoder crossover output cable please use twisted shielded cable, the shield must be connected to PE at both ends, GND and the upper computer signal ground reliable connection.

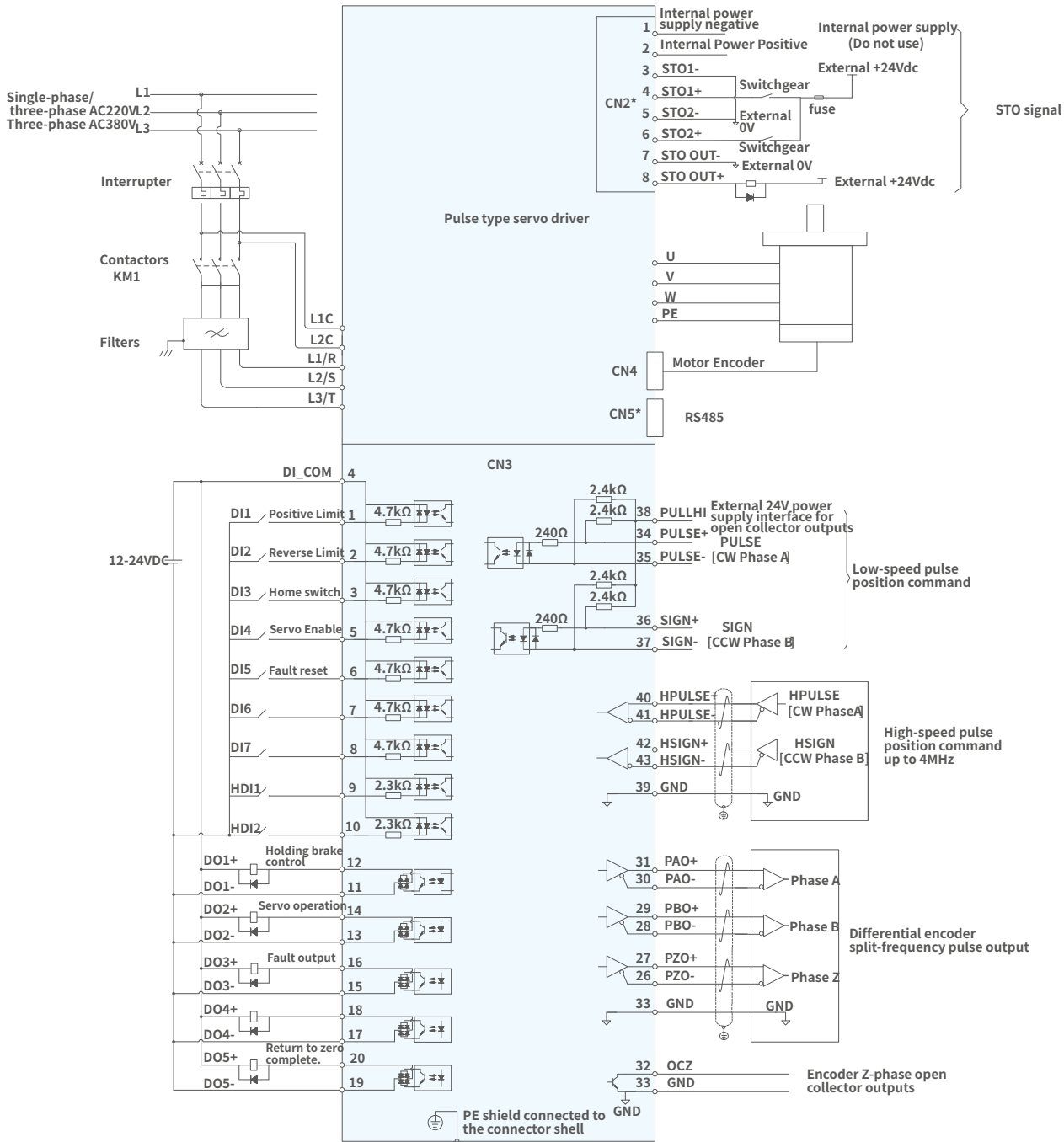
E1/E2 Specifications Torque Mode Wiring
N3RP Drive Wiring Diagram



Notes:

- 1、Internal 24V power supply range 20-28V, maximum operating current 200mA.
- 2、DI input power supply needs to be connected externally, supply voltage range 12-24VDC, the maximum does not exceed 30VDC.
- 3、High-speed / low-speed pulse port wiring please use twisted shielded wire, the shield must be connected to PE at both ends, GND and the host computer signal ground reliable connection.
- 4、DO output power supply needs to be connected externally, power supply range 5-24 V. Maximum permissible voltage of DO port is DC30V, maximum permissible current is 50mA.
- 5、Encoder crossover output cable please use twisted shielded cable, the shield must be connected to PE at both ends, GND and the upper computer signal ground reliable connection.

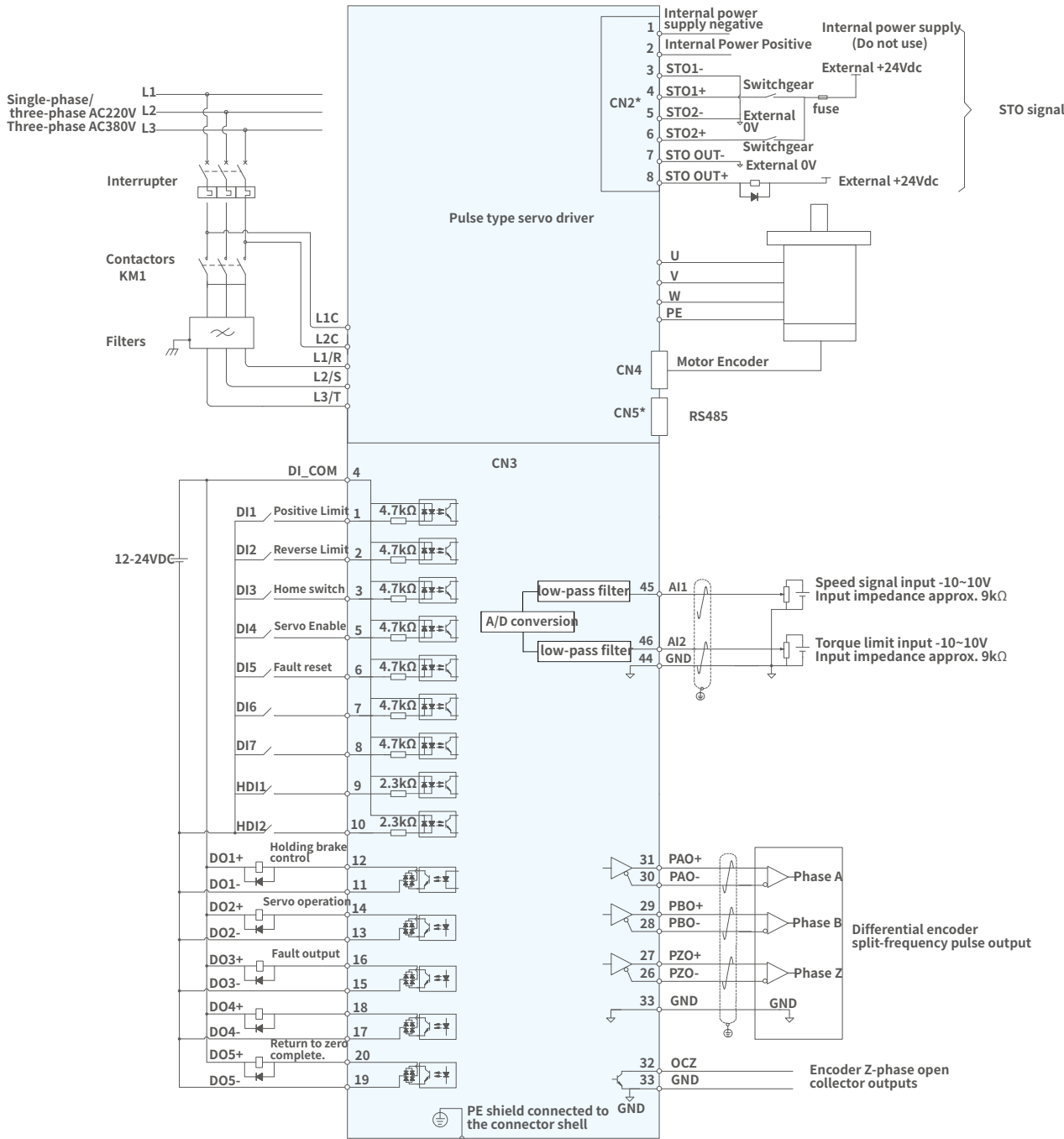
E3/E4 Specifications Position Mode Wiring
N3RP Drive Wiring Diagram



Note:

- 1、AI / AO circuit wiring please use twisted shielded wire, the shield must be connected to both ends of the PE
- 2、DI input power supply needs to be connected externally, the supply voltage range of 12-24VDC, the maximum does not exceed 30VDC.
- 3、HDI1 and HDI2 are high speed DI, please choose to use them according to the actual requirements.
- 4、High-speed / low-speed pulse port wiring please use twisted shielded wire, the shield must be connected to both ends of the PE, GND and the upper computer signal ground reliable connection.
- 5、DO output power supply needs to be connected externally, power supply range 5-24 V. DO port maximum allowable voltage DC30V maximum allowable current 50mA.
- 6、Encoder crossover output cable please use twisted shielded cable, shielding layer must be connected to PE at both ends, GND and the host computer signal ground reliable connection.
- 7、*Only applicable to “-SM model” , please consult with C&S for details.
- 8、Input power terminal: single-phase and three-phase 220V terminals marked L1, L2, L3. Three-phase 380V terminal marks R, S, T

E3/E4 Specifications Speed Mode Wiring
N3RP Drive Wiring Diagram

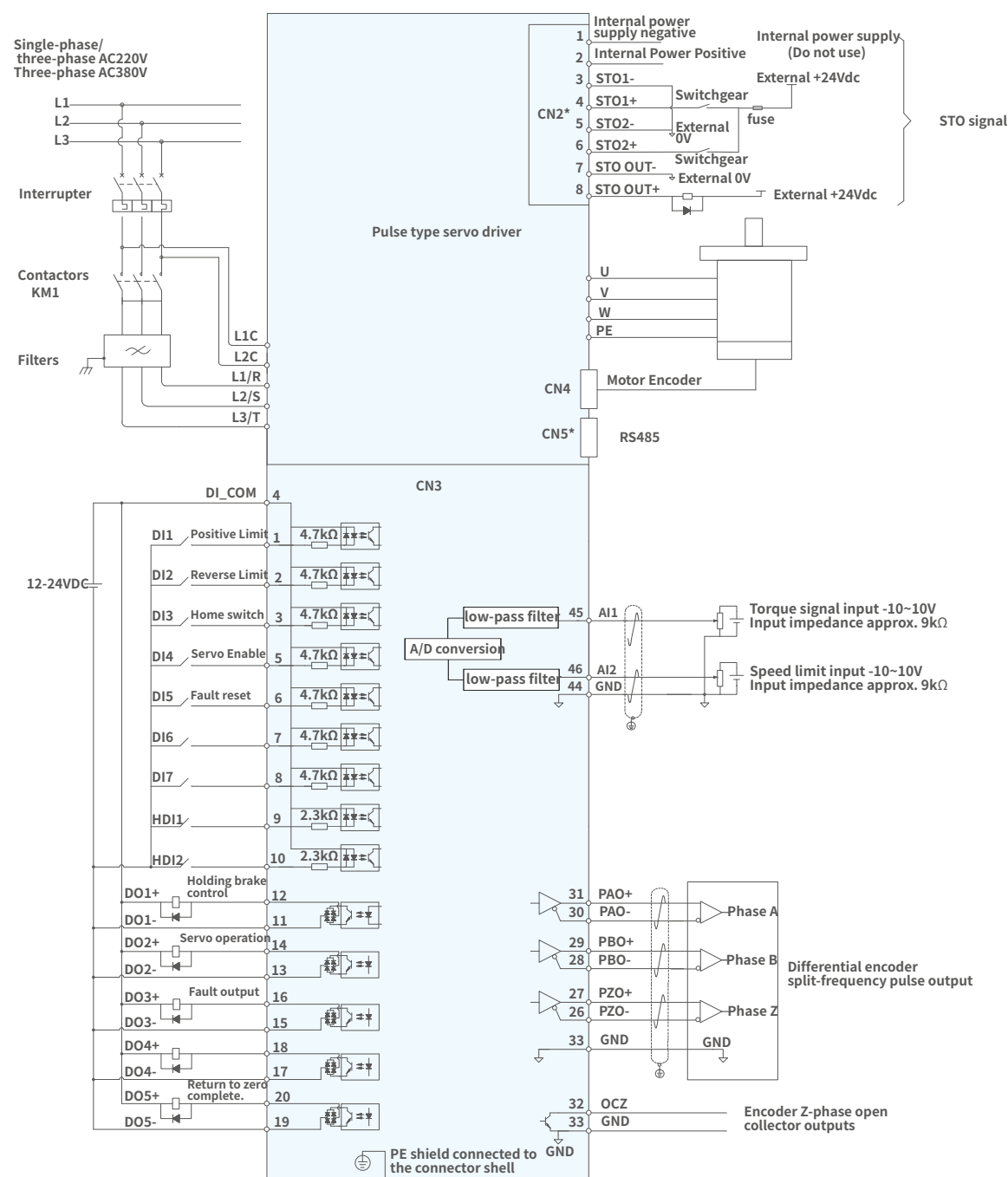


Note:

- 1、AI / AO circuit wiring please use twisted shielded wire, the shield must be connected to both ends of the PE
- 2、DI input power supply needs to be connected externally, the supply voltage range of 12-24VDC, the maximum does not exceed 30VDC.
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- 4、High-speed / low-speed pulse port wiring please use twisted shielded wire, the shield must be connected to both ends of the PE, GND and the upper computer signal ground reliable connection.
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E1/E2 Specifications Torque Mode Wiring

N3RP Drive Wiring Diagram

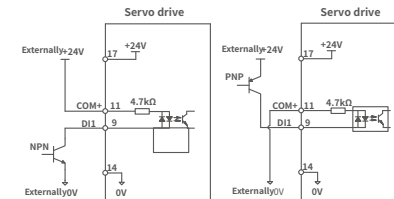


Note:

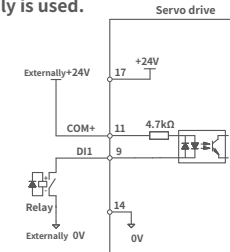
1. AI / AO circuit wiring please use twisted shielded wire, the shield must be connected to both ends of the PE
2. DI input power supply needs to be connected externally, the supply voltage range of 12-24VDC, the maximum does not exceed 30VDC.
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7. *Only applicable to “-SM model” , please consult with C&S for details.
8. Input power terminal: single-phase and three-phase 220V terminals marked L1, L2, L3. Three-phase 380V terminal marks R, S, T

AC220V Wiring Diagram

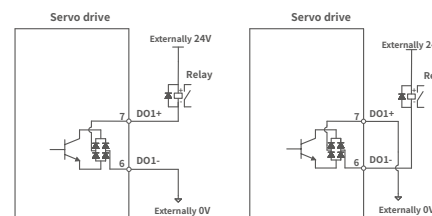
When the upper unit is open collector, use external 24V power supply
Note: Mixed use of PNP and NPN inputs is not supported



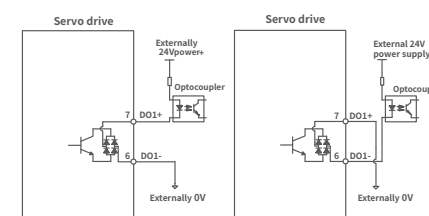
When the upper unit is a relay output, and an external power supply is used.



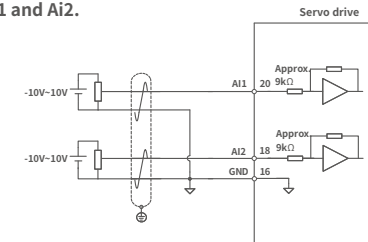
When the upper unit is a relay input



When the upper unit is an optocoupler input



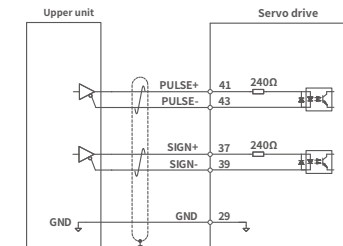
Analog Input Wiring Instructions
The speed and torque analog signal input ports are Ai1 and Ai2.



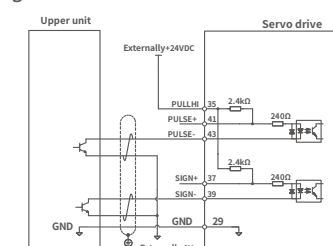
Motor Encoder CN2 Interface Pin Definitions



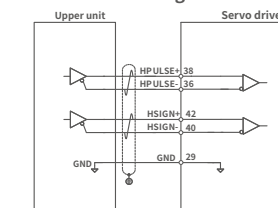
Low-speed pulse (500K) command input with differential mode



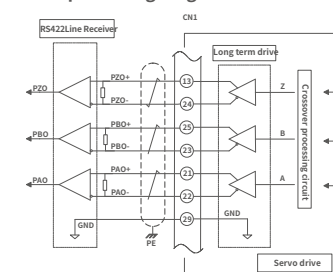
Low-speed pulse (200K) When open collector mode; Using the servo driver's internal resistor



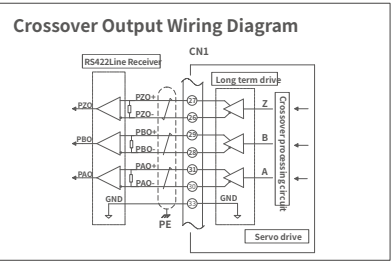
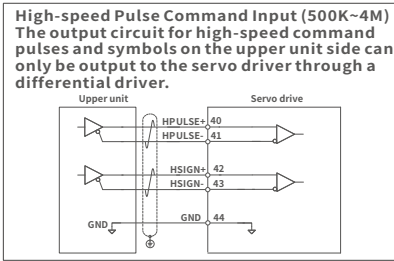
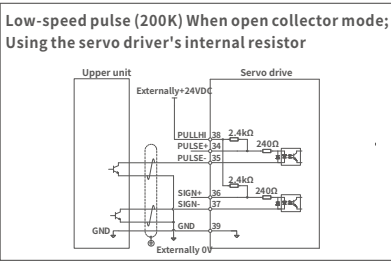
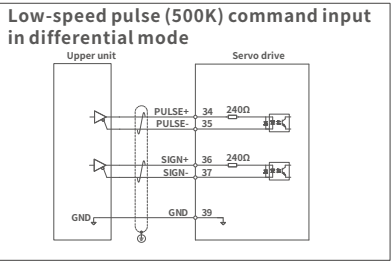
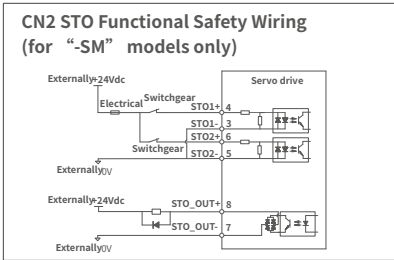
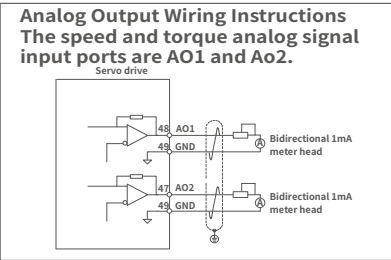
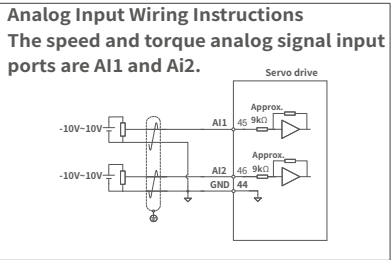
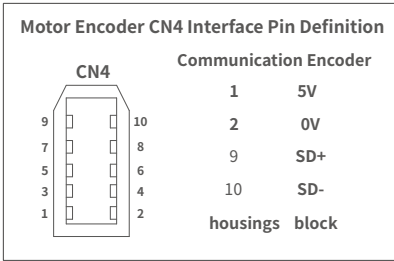
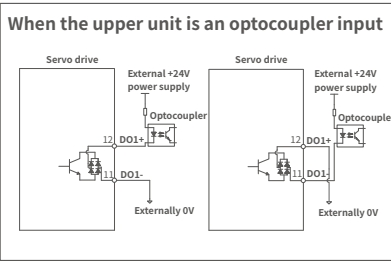
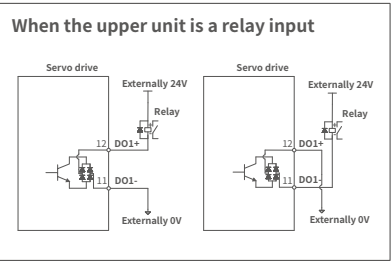
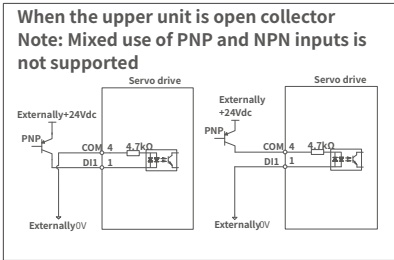
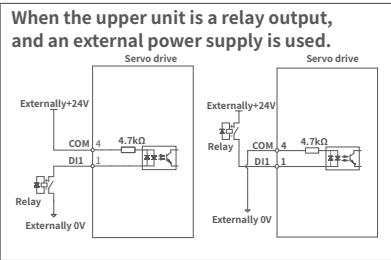
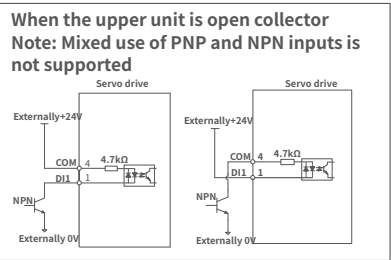
High-speed pulse command input (500K~4M)
The output circuit for high-speed command pulses and symbols on the upper unit side can only be output to the servo driver through a differential driver.



Crossover output wiring diagram



Note: See N3RP Pulse Servo General Purpose User's Manual for specific wiring diagrams. For more information, please contact .



Note: See N3RP Pulse Servo General Purpose User's Manual for specific wiring diagrams.For more information, please contact.

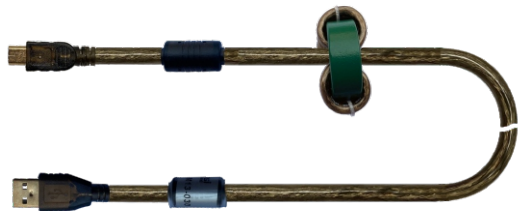
► Servo Tool

Model

KST-SW.02

Clarification

N3 Series Pulse Type Servo System Debugging Software



► Debugging Cable

Model

Clarification

KSL-M13-030 N3系列MiniUSB调试线缆3M

► Signal Cable

Model

Clarification

KSL-S03-010 N3 Series Pulse Type Servo Signal Cable 1M (1kW and below)

KSL-S04-010 N3 series pulse type servo signal cable 1M (1kW or more)



► Terminal block

Model

Clarification

KSA-TB19.01 N3 Series E1/E2 Size Terminal Block

KSA-TB20.01 N3 Series E3/E4 Size Terminal Block

KSA-TB20.02 N3 Series E3/E4 Specification Terminal Block (-SM” models only)

► 网线

Model

Clarification

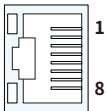
KSL-CAT-003.01 EtherCAT communication cable 0.3M

KSL-CAT-005.01 EtherCAT communication cable 0.5M

KSL-CAT-010.01 EtherCAT communication cable 1M

KSL-CAT-030.01 EtherCAT communication cable 3M

KSL-CAT-050.01 EtherCAT communication cable 5M



EtherCAT Pin Definitions

1 TD+	3 RD+	5 Reserve	7 Reserve
2 TD-	4 Reserve	6 RD-	8 Reserve

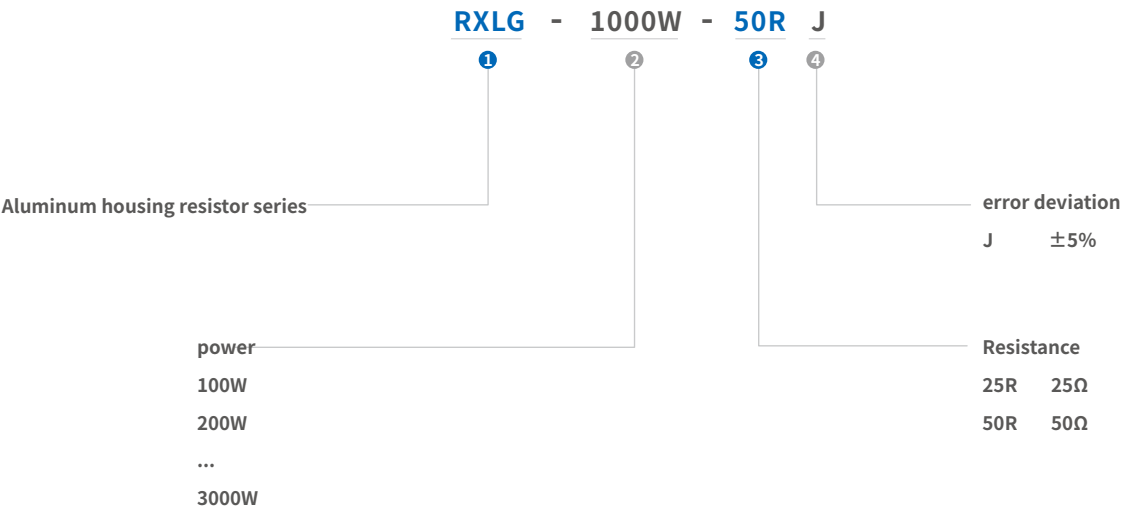
Note: Network cable for the super Category 5 specifications, if there are special requirements,Please consult.

Braking Resistor Selection Table

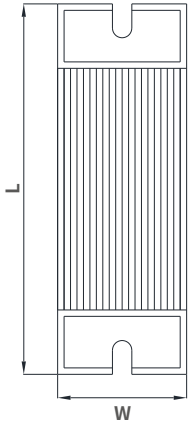
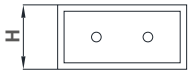
Drive Model	Matching motor power	Drive internal braking resistor	Recommended external braking resistor*			Maximum braking energy Ec(J) that can be absorbed by the driver capacitor
			Model	power	Resistance	
▽	▽	▽	▽	▽	▽	▽
N3RP-1R8SA	200W	无	RXLG-100W 50RJ	100W	50Ω	10
N3RP-2R8SA	400W		RXLG-100W 50RJ	100W	50Ω	15
N3RP-4R2SA	750W	无	RXLG-200W 50RJ	200W	50Ω	26
N3RP-060PA	850W		RXLG-200W 25RJ	200W	25Ω	
	1.0kW		RXLG-200W 25RJ	200W	25Ω	
N3RP-100SA	1.0kW	80W;25Ω	RXLG-200W 25RJ	200W	25Ω	47
	1.5kW		RXLG-400W 25RJ	400W	25Ω	
N3RP-180SA	4kW	100W;20Ω	RXLG-800W 50RJ	800W	50Ω	64
N3RP-5R4SC	1.0kW	80W; 100Ω	RXLG-200W 100RJ	200W	100Ω	39
	2.0kW		RXLG-400W 100RJ	400W	100Ω	
N3RP-6R8SC	1.3kW	80W;50Ω	RXLG-400W 50RJ	400W	50Ω	57
	1.5kW		RXLG-400W 50RJ	400W	50Ω	
	2.0kW		RXLG-400W 50RJ	400W	50Ω	
	2.5kW		RXLG-500W 50RJ	500W	50Ω	
	3.0kW		RXLG-800W 50RJ	800W	50Ω	
N3RP-8R3SC	1.8kW		RXLG-400W 50RJ	400W	50Ω	
	2.5kW		RXLG-500W 50RJ	500W	50Ω	
	3.5kW		RXLG-800W 50RJ	800W	50Ω	
	4.0kW		RXLG-800W 50RJ	800W	50Ω	
N3RP-100SC	2.3kW		RXLG-500W 50RJ	500W	50Ω	
	3.0kW		RXLG-800W 50RJ	800W	50Ω	
	4.0kW		RXLG-800W 50RJ	800W	50Ω	
	5.0kW		RXLG-1000W 50RJ	1000W	50Ω	
N3RP-120SC	6.0kW	100W;35Ω	RXLG-1500W 50RJ	1500W	50Ω	114
N3RP-140SC	7.0kW		RXLG-1500W 50RJ	1500W	50Ω	
N3RP-210SC	8.3kW		RXLG-2000W 25RJ	2000W	25Ω	
N3RP-250SC	10.0kW		RXLG-2000W 25RJ	2000W	25Ω	

*Note: The braking resistor power in the selection table is the recommended power, and the appropriate power can be selected on site according to the demand. (External braking resistors need to be purchased by users)

Ordering Information

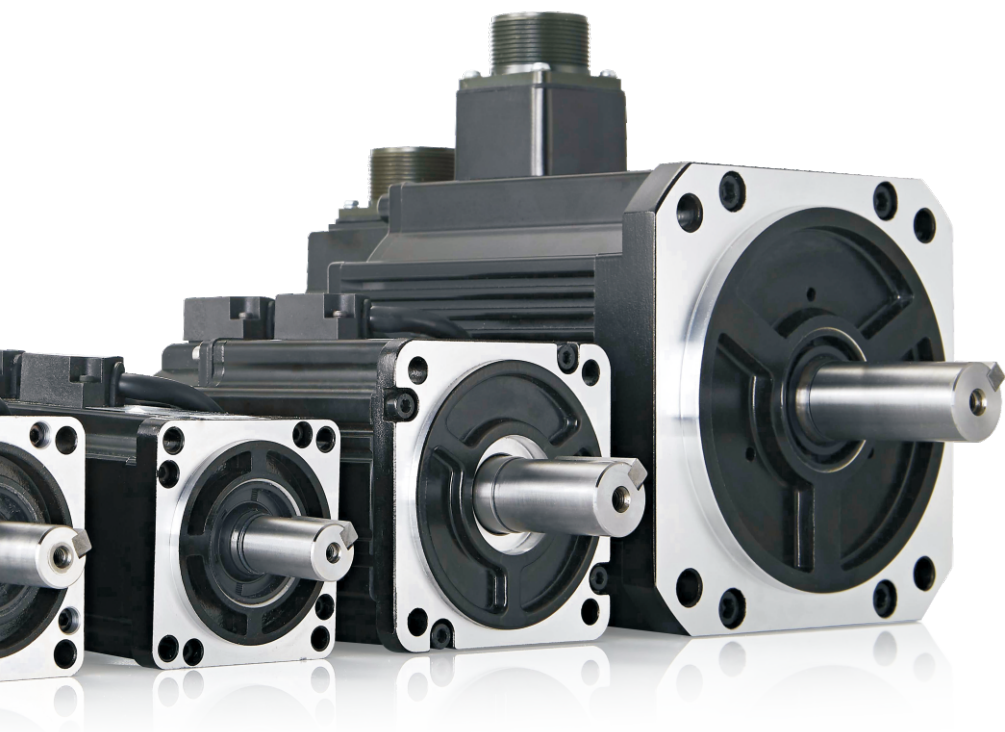


Dimensions



(braking resistor diagram)

No.	Braking resistor model	Specifications: L×W×H (mm)
1	RXLG-100W 50RJ	115x40x20
2	RXLG-200W 50RJ / RXLG-200W 25RJ/ RXLG-200W 100RJ	165x60x30
3	RXLG-400W 50RJ / RXLG-400W 25RJ / RXLG-400W 100RJ	265x60x30
4	RXLG-500W 50RJ / RXLG-500W 25RJ	285x60x30
5	RXLG-800W 50RJ / RXLG-800W 25RJ	335x60x30
6	RXLG-1000W 50RJ	300x100x50
7	RXLG-1500W 25RJ / RXLG-1500W 50RJ	400x100x50
8	RXLG-2000W 25RJ / RXLG-2000W 50RJ	450x100x50



KMT Series

Three-phase AC permanent magnet synchronous servo motor

KMT three-phase AC permanent magnet synchronous servo motor is designed with 4/5 pole pairs and low slot torque. It is combined with N2&N3 servo driver to form a servo system with powerful functions and excellent performance. The motor supports 3 times overload, and different types of encoders can be selected according to actual site needs, which can fully meet your high-level requirements for dynamic response performance, speed regulation range, position feedback accuracy, and output torque accuracy!

Functional Characteristics

- 
Meet CE standard
- 
Protection grade or IP65 or IP67, B or F class insulation
- 
Output shaft oil seal protection, and standard brake optional
- 
Three Phase Back EMF Sinusoidal Design, extremely low groove torque, good low-speed smoothing characteristics
- 
High performance rare earth permanent magnet rotor, high, medium and low inertia optional, good dynamic response

Encoder feedback methods are optional:


Multiturn absolute encoder
Incremental encoder

KMT Ordering Informations

KMT Series

None: Standard type
L: Low inertia type
M: Medium inertia type
H: High inertia type

Flange

40 flange
60 flange
80 flange
100 flange
130 flange
180 flange
200 flange
230 flange

Voltage Level

None : AC220V
H : AC380V

Rated Power (W)

B : x10
C : x100
D : x1000

Example: 40B : 400W

Note:

- 1) The naming rules are only used for model analysis and cannot be used for ordering. Please consult Company before ordering;
- 2) Whether there is an oil seal or a brake will cause different motor characteristics, please pay attention;
- 3) Motor data may change, please confirm with Company before using it for design purposes.

KMT M 130 H – 85B 15 EA – B O K . □ – □

Type (Only for E8 specification encoders with 80mm flange and below)

None Split
X Overall

None Standard
G Plastic case aviation insert, only for 40/60/80 flange
H Metal jet, 180 flanges only

None Optical axis
K With key, with threaded hole

None Without oil seal
O With oil seal

None Without brake
B With brake

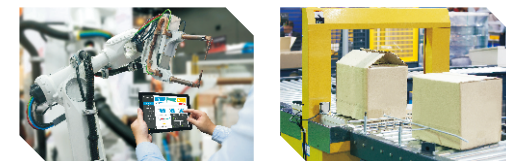
Encoder

E8: 17-bit multi-turn absolute encoder
EA: 23-bit multiturn absolute encoder

Rated Speed

15 : 1500rpm; 20 : 2000rpm
25 : 2500rpm; 30 : 3000rpm

Typical application



Smart Drives

40/60 Flange

AC220V

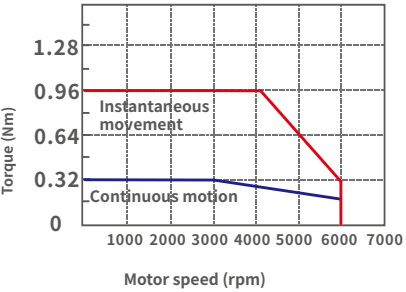
3000rpm

0.1kW~0.4kW

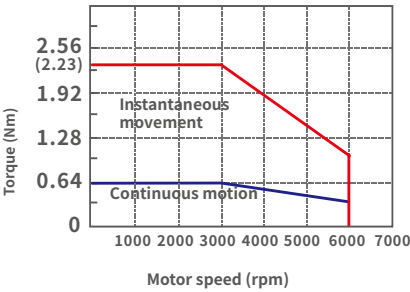
Motor Technical Data

Motor No.	KMT40-10B30	KMT60-20B30	KMT60-40B30
Voltage U(AC)	220V		
Rated power Pr (kW)	0.1	0.2	0.4
Rated current Ir(Arms)	0.93	1.6	2.3
Rated torque Tr (Nm)	0.32	0.64	1.27
Rated speed Nr (rpm)	3000	3000	3000
Maximum current Imax(Arms)	2.79	5.5	6.5
Maximum torque Tmax (Nm)	0.96	2.23	3.81
Maximum speed Nmax(rpm)	6000	6000	5000
Torque coefficient Kt(Nm/A)	0.342	0.459	0.645
Moment of inertia Jm (10 ⁻⁴ Kg.m ²)	0.073(0.075)	0.28(0.30)	0.56(0.58)
Electrical time constant te(ms)	0.81	1.95	2.66
Mechanical time constant tm (ms)	1.128	1.432	1.151
Weight(kg)	0.4(0.6)	0.81(1.26)	1.3 (1.55)
Heat sink size(mm)	Aluminum 200 x 200 x 6	Aluminum 250 x 250 x 6	
Brake voltage Ub(DC)	24V	24V	
Brake current Ib(A)	0.208	0.32	
Brake torque Tb(Nm)	>3.2	≥1.5	
Driver adaptation information			
Recommended cable cross-sectional area(mm²)	0.5	0.5	0.5
Recommended drive models	N3RP-1R8SA-E	N3RP-1R8SA-E	N3RP-2R8SA-E

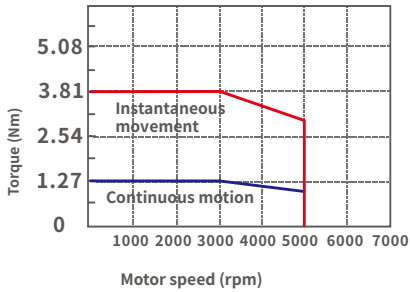
> KMT40-10B30



> KMT60-20B30

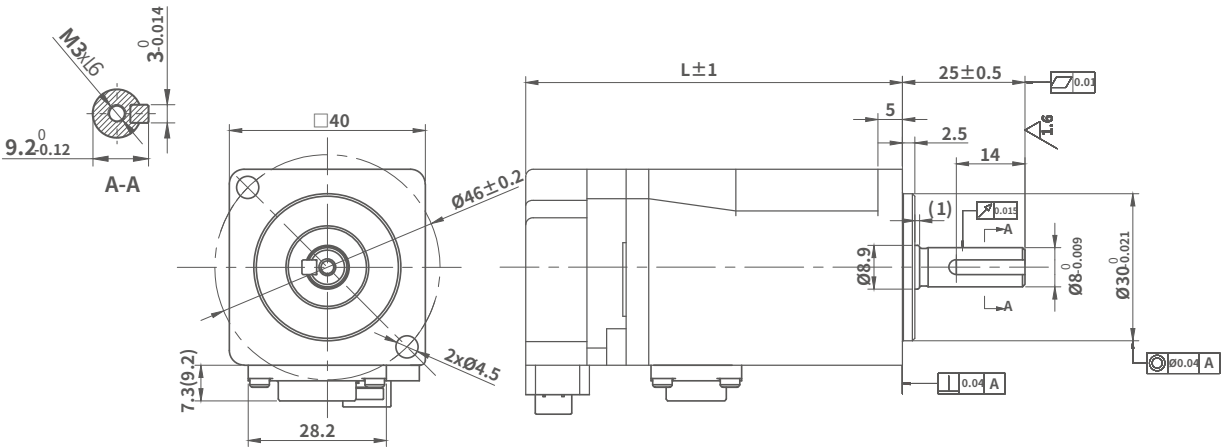


> KMT60-40B30



Note: 1)The above are standard models, () are parameters of motors with brakes;
2)The characteristics of the instantaneous working area will vary depending on the power supply voltage;
if the load torque is within the rated torque, it can be used in the continuous working area.

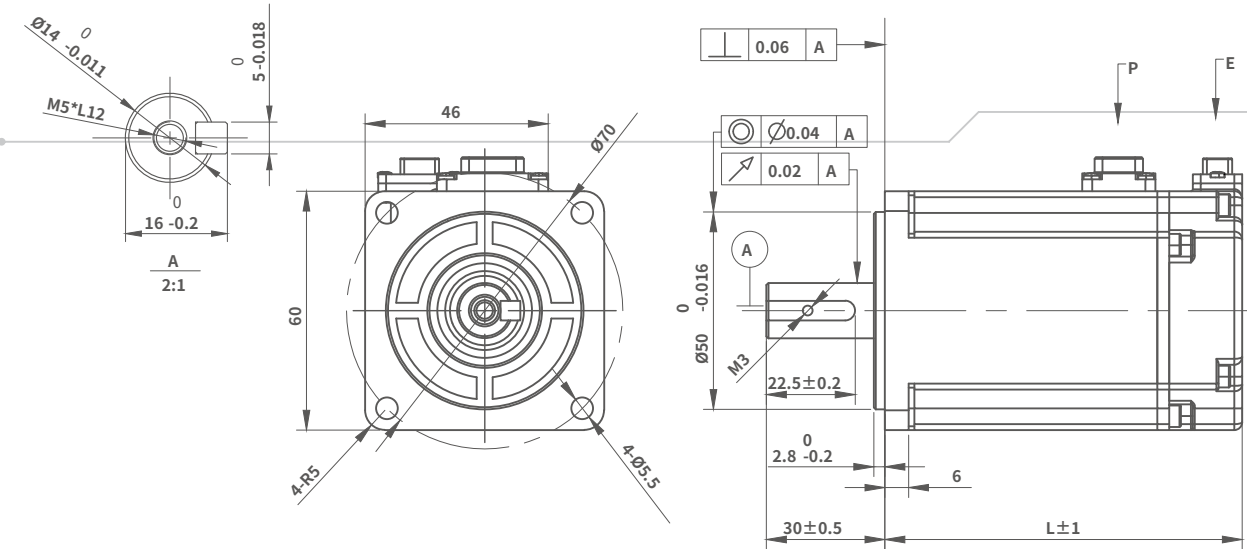
ServoMotor Dimensions (40 Flange)



External Dimension

Motor model	L (Without brake size)	L (With brake size)
KMT40-10B30□	76.9	104.6

ServoMotor Dimensions (60 Flange)



External Dimension

Motor model	L (Without brake size)	L (With brake size)
KMT60-20B30E□	73	104.2
KMT60-40B30E□	90.5	121.7

80Flange

AC220V

3000rpm

0.1kW~1kW

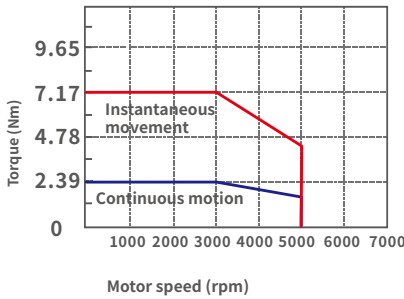
Motor Technical Data

Motor No.	KMT80-75B30	KMT80-10C30	KMT80-10C25*
Voltage U(AC)	220V		
Rated power Pr (kW)	0.75	1	1
Rated current Ir(Arms)	4.1	5.7	6.8
Rated torque Tr (Nm)	2.39	3.18	4
Rated speed Nr (rpm)	3000	3000	2500
Maximum current Imax(Arms)	13.4	17.7	20.4
Maximum torque Tmax (Nm)	7.17	9.56	12
Maximum speed Nmax(rpm)	5000	5000	5000
Torque coefficient Kt(Nm/A)	0.645	0.627	0.604
Moment of inertia Jm (10 ⁻⁴ Kg.m ²)	1.5(1.65)	2.0(2.15)	1(1.02)
Electrical time constant te(ms)	4.73	5.56	9.22
Mechanical time constant tm (ms)	0.919	0.822	0.5613
Weight(kg)	2.2(2.8)	2.8(3.4)	2.56(3.17)
Heat sink size(mm)	Aluminum 250 x 250 x 6		
Brake voltage Ub(DC)	24V		24V
Brake current Ib(A)	0.48		0.48
Brake torque Tb(Nm)	≥3.2		>3.2
Driver adaptation information			
Recommended cable cross-sectional area(mm²)	0.5	0.5	0.5
Recommended drive models	N3RP-4R2SA-E	N3RP-060PA-E	N3RP-100SA-E

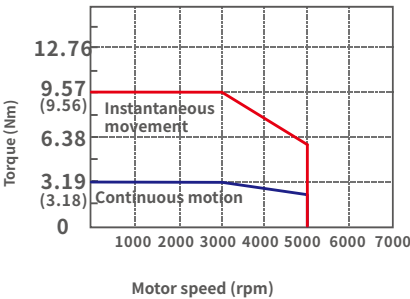
Note: The above are standard models, () are parameters of motors with brakes;

Torque-Speed Characteristics

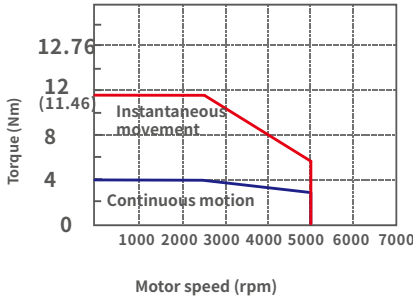
> KMT80-75B30



> KMT80-10C30

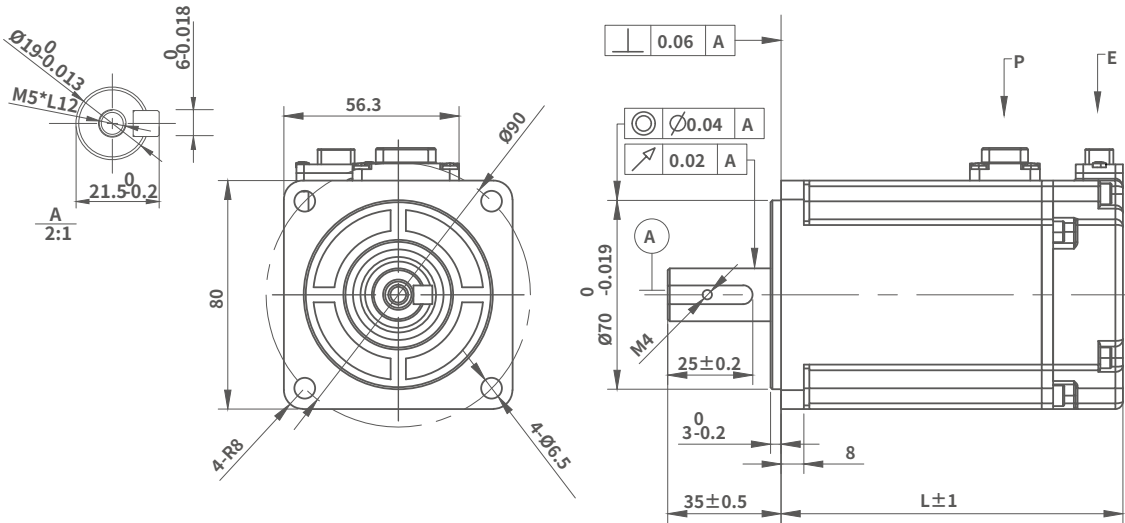


> KMT80-10C25



Note: The characteristics of the instantaneous working area will vary depending on the power supply voltage; if the load torque is within the rated torque, it can be used in the continuous working area.

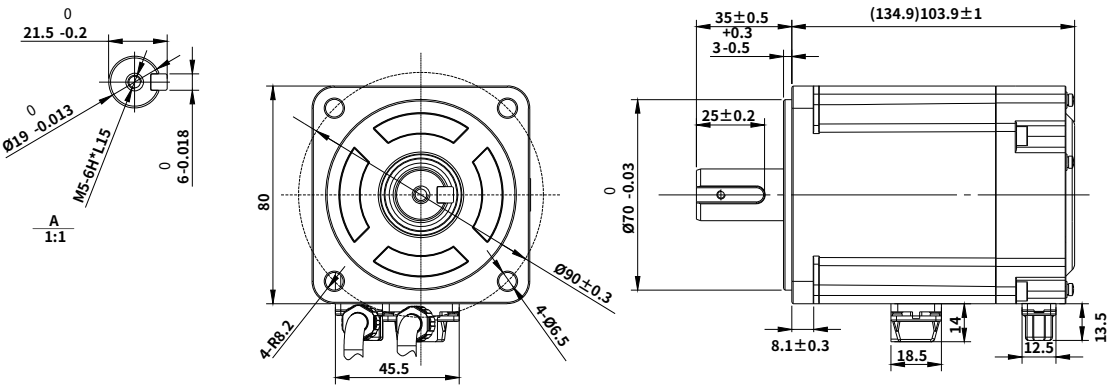
ServoMotor Dimensions (80 Flange)



External Dimension

Motor model	Unit(mm)	
	L (Without brake size)	L (With brake size)
KMT80-75B30E□	93	123
KMT80-10C30E□	106	136

ServoMotor Dimensions (80 Flange)



External Dimension

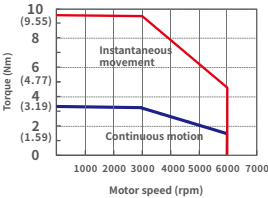
Unit(mm)		
Motor model	L (Without brake size)	L (With brake size)
KMT80-10C25E□	103.9	134.9

100 Flange
AC220V
3000rpm
1kW~2kW

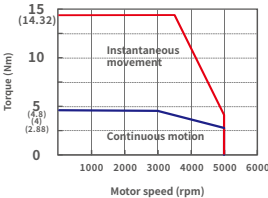
Motor Technical Data

Motor No.	KMTM100-10C30	KMTM100-15C30
Voltage U(AC)	220V	
Rated power Pr (kW)	1	1.5
Rated current Ir(Arms)	7.7	8.6
Rated torque Tr (Nm)	3.18	4.77
Rated speed Nr (rpm)	3000	3000
Maximum current Imax(Arms)	23.1	25.8
Maximum torque Tmax (Nm)	9.55	14.32
Maximum speed Nmax(rpm)	6000	5000
Torque coefficient Kt(Nm/A)	0.416	0.555
Moment of inertia Jm (10 ⁻⁴ Kg.m ²)	2.07(2.33)	2.69(2.95)
Electrical time constant te(ms)	6.99	7.02
Mechanical time constant tm (ms)	0.70	0.58
Weight(kg)	4.5(5.4)	5.0(6.5)
Heat sink size(mm)	Aluminum 400 x 410x 15	
Brake voltage Ub(DC)	24V	
Brake current Ib(A)	0.6	
Brake torque Tb(Nm)	≥9	
Driver adaptation information		
Recommended cable cross-sectional area(mm ²)	1.5	1.5
Recommended drive models	N3RP-100SA-E	N3RP-100SA-E

> KMTM100-10C30



> KMTM100-15C30



Note: 1) The above are standard models, () are parameters of motors with brake;
2) The characteristics of the instantaneous working area will vary depending on the power supply voltage;
if the load torque is within the rated torque, it can be used in the continuous working area.

100 Flange

AC380V

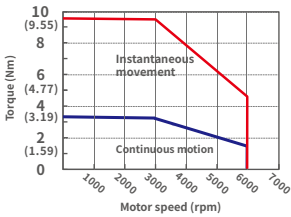
3000rpm

1kW~2.5kW

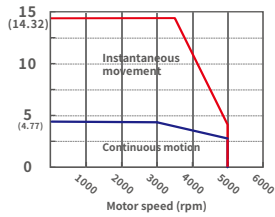
Motor Technical Data

Motor No.	KMTM100H-10C30	KMTM100H-15C30	KMTM100H-20C30	KMTM100H-25C30
Voltage U(AC)	380V			
Rated power Pr (kW)	1	1.5	2	2.5
Rated current Ir(Arms)	4.5	4.8	6.8	8.4
Rated torque Tr (Nm)	3.18	4.77	6.37	8.0
Rated speed Nr (rpm)	3000	3000	3000	3000
Maximum current Imax(Arms)	13.5	14.4	20.4	24
Maximum torque Tmax (Nm)	9.55	14.32	19.1	22.7
Maximum speed Nmax(rpm)	6000	5000	5000	5000
Torque coefficient Kt(Nm/A)	0.707	0.99	0.936	0.947
Moment of inertia Jm (10 ⁻⁴ Kg.m²)	2.07(2.33)	2.69(2.95)	3.6(3.86)	4.37(4.55)
Electrical time constant te(ms)	8.63	6.36	6.93	9.16
Mechanical time constant tm (ms)	0.73	0.68	0.56	0.45
Weight(kg)	4.5(5.4)	5.0(6.5)	6.0(7.5)	7.0(8.5)
Heat sink size(mm)	Aluminum 400 x 410 x 15			
Brake voltage Ub(DC)	24V			
Brake current Ib(A)	0.6			
Brake torque Tb(Nm)	≥9			
Driver adaptation information				
Recommended cable cross-sectional area(mm²)	0.75	0.75	1.5	1.5
Recommended drive models	N3RP-5R4SC-E	N3RP-6R8SC-E	N3RP-6R8SC-E	N3RP-100SC-E

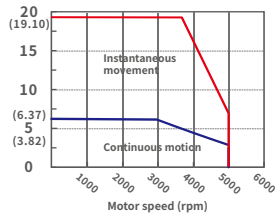
> KMTM100H-10C30



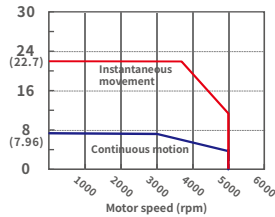
> KMTM100H-15C30



> KMTM100H-20C30

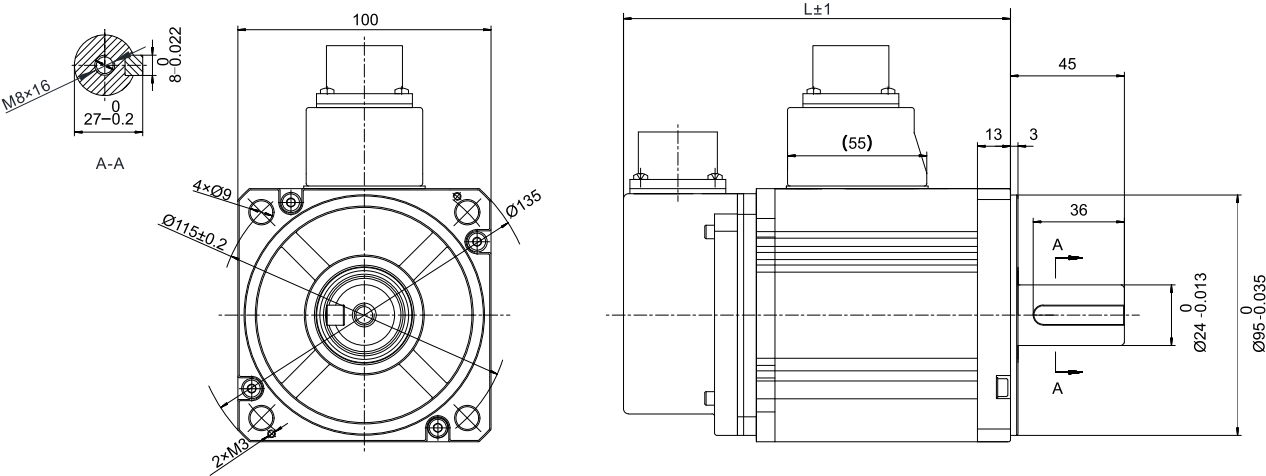


> KMTM100H-25C30



Note: 1) The above are standard models, () are parameters of motors with brake;
2) The characteristics of the instantaneous working area will vary depending on the power supply voltage;
if the load torque is within the rated torque, it can be used in the continuous working area.

ServoMotor Dimensions (100 Flange)



External Dimension

Unit(mm)

Motor model	L (Without brake size)	L (With brake size)
KMTM100□-10C30E□	146.9	183
KMTM100□-15C30E□	166.9	203
KMTM100□-20C30E□	186.9	223
KMTM100H-25C30E□	206.9	243

Note: For motors with the same flange, torque, and speed, the 380V and 220V models have the same overall dimensions.

130Flange

AC220V

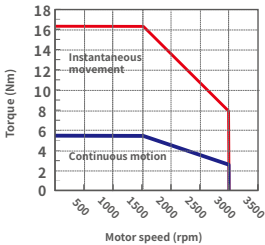
1500rpm

0.85kW~1.3kW

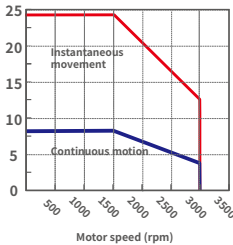
Motor Technical Data

Motor No.	KMTM130-85B15	KMTM130-13C15
Voltage U(AC)	220V	
Rated power Pr (kW)	0.85	1.3
Rated current Ir(Arms)	6.12	9.25
Rated torque Tr (Nm)	5.41	8.27
Rated speed Nr (rpm)	1500	1500
Maximum current Imax(Arms)	18.4	27.75
Maximum torque Tmax (Nm)	16.2	24.81
Maximum speed Nmax(rpm)	3000	3000
Torque coefficient Kt(Nm/A)	0.88	0.89
Moment of inertia Jm (10 ⁻⁴ Kg.m ²)	9.0(10.5)	13.0(14.5)
Electrical time constant te(ms)	9.68	10.7
Mechanical time constant tm (ms)	1.60(1.86)	1.42(1.58)
Weight(kg)	6.0(7.8)	7.4(9.2)
Heat sink size(mm)	Aluminum 300 x 300 x 12	
Brake voltage Ub(DC)	24V	
Brake current Ib(A)	1	
Brake torque Tb(Nm)	≥16.5	
Driver adaptation information		
Recommended cable cross-sectional area(mm²)	0.75	1.5
Recommended drive models	N3RP-060PA-E	N3RP-100SA-E

> KMTM130-85B15



> KMTM130-13C15



Note: 1) The above are standard models, () are parameters of motors with brake;
2) The characteristics of the instantaneous working area will vary depending on the power supply voltage;
if the load torque is within the rated torque, it can be used in the continuous working area.

130 Flange

AC220V

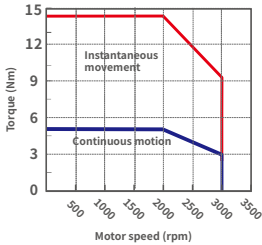
2000rpm

1kW~1.5kW

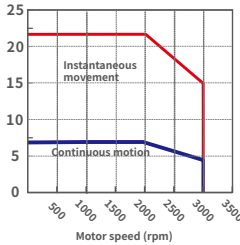
Motor Technical Data

Motor No.	KMTM130-10C20	KMTM130-15C20
Voltage U(AC)	220V	
Rated power Pr (kW)	1	1.5
Rated current Ir(Arms)	5.4	8
Rated torque Tr (Nm)	4.77	7.16
Rated speed Nr (rpm)	2000	2000
Maximum current Imax(Arms)	16.2	24
Maximum torque Tmax (Nm)	14.3	21.5
Maximum speed Nmax(rpm)	3000	3000
Torque coefficient Kt(Nm/A)	0.88	0.89
Moment of inertia Jm (10 ⁻⁴ Kg.m ²)	9(10.5)	13.0(14.5)
Electrical time constant te(ms)	9.68	10.7
Mechanical time constant tm (ms)	1.60(1.86)	1.42(1.58)
Weight(kg)	6.0(7.8)	7.4(9.2)
Heat sink size(mm)	Aluminum 300 x 300 x 12	
Brake voltage Ub(DC)	24V	
Brake current Ib(A)	1	
Brake torque Tb(Nm)	≥16.5	
Driver adaptation information		
Recommended cable cross-sectional area(mm²)	0.75	1.5
Recommended drive models	N3RP-060PA-E	N3RP-100SA-E

> KMTM130-10C20



> KMTM130-15C20



Note: 1) The above are standard models, () are parameters of motors with brake;
2) The characteristics of the instantaneous working area will vary depending on the power supply voltage;
if the load torque is within the rated torque, it can be used in the continuous working area.

130 Flange

AC220V

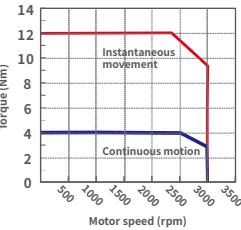
2500rpm

1kW~1.5kW

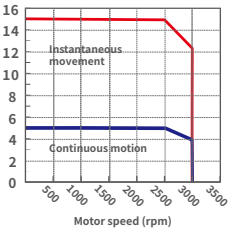
Motor Technical Data

Motor No.	KMTM130-10C25	KMTM130-13C25	KMTM130-15C25
▽	▽	▽	▽
Voltage U(AC)	220V		
Rated power Pr (kW)	1	1.3	1.5
Rated current Ir(Arms)	4.5	5.7	6.8
Rated torque Tr (Nm)	4	5	6
Rated speed Nr (rpm)	2500	2500	2500
Maximum current Imax(Arms)	13.6	17	20.4
Maximum torque Tmax (Nm)	12	15	18
Maximum speed Nmax(rpm)	3000	3000	3000
Torque coefficient Kt(Nm/A)	0.88	0.88	0.88
Moment of inertia Jm (10 ⁻⁴ Kg.m²)	9(10.5)	9(10.5)	9(10.5)
Electrical time constant te(ms)	9.68	9.68	9.68
Mechanical time constant tm (ms)	1.60(1.86)	1.6(1.86)	1.6(1.86)
Weight(kg)	6.0(7.8)	6.0(7.8)	6.0(7.8)
Heat sink size(mm)	Aluminum 300 x 300 x 12		
Brake voltage Ub(DC)	24V		
Brake current Ib(A)	1		
Brake torque Tb(Nm)	≥16.5		
Driver adaptation information			
Recommended cable cross-sectional area(mm²)	0.75	0.75	1.5
Recommended drive models	N3RP-060PA-E	N3RP-100SA-E	N3RP-100SA-E

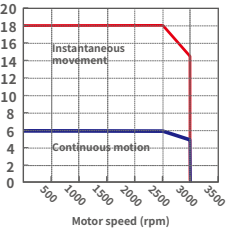
> KMTM130-10C25



> KMTM130-13C25



> KMTM130-15C25



Note: 1) The above are standard models, () are parameters of motors with brake;
2) The characteristics of the instantaneous working area will vary depending on the power supply voltage;
if the load torque is within the rated torque, it can be used in the continuous working area.

130 Flange

AC220V

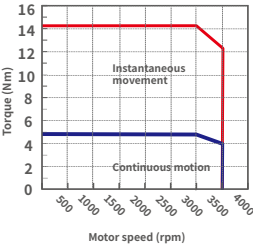
3000rpm

1.5kW

Motor Technical Data

Motor No.	KMTM130-15C30
▽	▽
Voltage U(AC)	220V
Rated power Pr (kW)	1.5
Rated current Ir(Arms)	5.4
Rated torque Tr (Nm)	4.77
Rated speed Nr (rpm)	3000
Maximum current Imax(Arms)	16.2
Maximum torque Tmax (Nm)	14.3
Maximum speed Nmax(rpm)	3500
Torque coefficient Kt(Nm/A)	0.88
Moment of inertia Jm (10 ⁻⁴ Kg.m²)	9(10.5)
Electrical time constant te(ms)	9.68
Mechanical time constant tm (ms)	1.60(1.86)
Weight(kg)	6.0(7.8)
Heat sink size(mm)	Aluminum 300 x 300 x 12
Brake voltage Ub(DC)	24V
Brake current Ib(A)	1
Brake torque Tb(Nm)	≥16.5
Driver adaptation information	
Recommended cable cross-sectional area(mm²)	0.75
Recommended drive models	N3RP-100SA-E

> KMTM130-15C30



Note: 1) The above are standard models, () are parameters of motors with brake;
2) The characteristics of the instantaneous working area will vary depending on the power supply voltage;
if the load torque is within the rated torque, it can be used in the continuous working area.

130 Flange

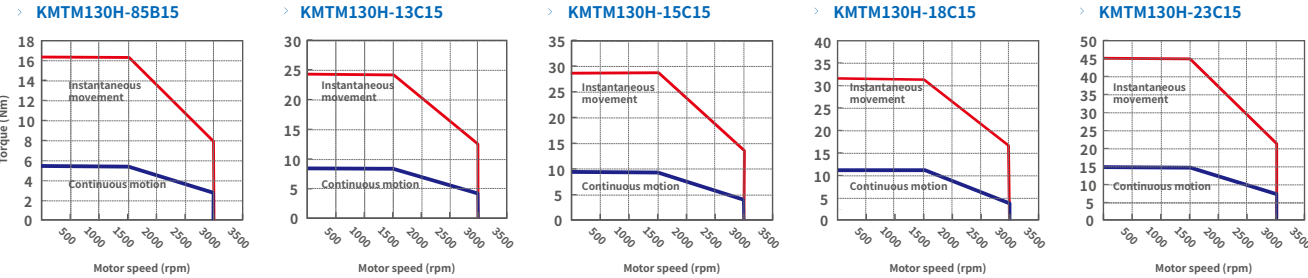
AC380V

1500rpm

0.85kW~2.3kW

Motor Technical Data

Motor No.	KMTM130H	KMTM130H	KMTM130H	KMTM130H	KMTM130H
	-85B15	-13C15	-15C15	-18C15	-23C15
	∨	∨	∨	∨	∨
Voltage U(AC)			380V		
Rated power Pr (kW)	0.85	1.3	1.5	1.8	2.3
Rated current Ir(Arms)	3.5	5.1	5.6	6.9	8.7
Rated torque Tr (Nm)	5.41	8.27	9.55	11.46	15
Rated speed Nr (rpm)	1500	1500	1500	1500	1500
Maximum current Imax(Arms)	10.5	15.3	16.8	20.7	26.1
Maximum torque Tmax (Nm)	16.2	24.8	28.7	31	45
Maximum speed Nmax(rpm)	3000	3000	3000	3000	3000
Torque coefficient Kt(Nm/A)	1.69	1.76	1.84	1.79	1.81
Moment of inertia Jm (10 ⁻⁴ Kg.m²)	9(10.5)	13(14.5)	17(18.5)	21.7 (23.2)	21.7(23.2)
Electrical time constant te(ms)	10.03	11.07	13.13	12.38	12.38
Mechanical time constant tm (ms)	1.60(1.86)	1.35(1.51)	1.2(1.3)	1.14(1.22)	1.14(1.22)
Weight(kg)	6.0(7.8)	7.4(9.2)	8.8(10.6)	10.4(12.2)	10.4(12.2)
Heat sink size(mm)	Aluminum 300 x 300 x 12				
Brake voltage Ub(DC)	24V				
Brake current Ib(A)	1				
Brake torque Tb(Nm)	≥16.5				
Driver adaptation information					
Recommended cable cross-sectional area(mm²)	0.75	0.75	0.75	1.5	1.5
Recommended drive models	N3RP-5R4SC-E	N3RP-5R4SC-E	N3RP-6R8SC-E	N3RP-6R8SC-E	N3RP-100SC-E



Note: 1) The above are standard models, () are parameters of motors with brake;

2) The characteristics of the instantaneous working area will vary depending on the power supply voltage;

if the load torque is within the rated torque, it can be used in the continuous working area.

130 Flange

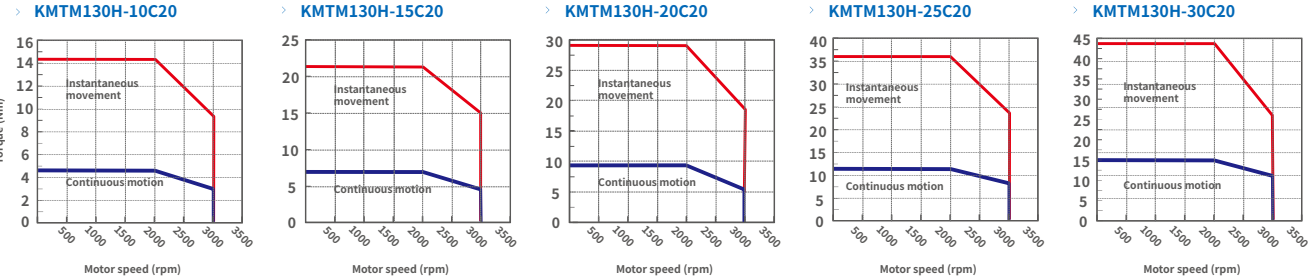
AC380V

2000rpm

1kW~3kW

Motor Technical Data

Motor No.	KMTM130H -10C20	KMTM130H -15C20	KMTM130H -20C20	KMTM130H -25C20	KMTM130H -30C20
	▽	▽	▽	▽	▽
Voltage U(AC)	380V				
Rated power Pr (kW)	1	1.5	2	2.5	3
Rated current Ir(Arms)	3.0	4.4	5.6	7.1	8.3
Rated torque Tr (Nm)	4.77	7.16	9.55	11.9	14.64
Rated speed Nr (rpm)	2000	2000	2000	2000	2000
Maximum current Imax(Arms)	9.0	13.2	16.8	21.3	24.9
Maximum torque Tmax (Nm)	14.31	21.48	28.65	35.7	43.92
Maximum speed Nmax(rpm)	3000	3000	3000	3000	3000
Torque coefficient Kt(Nm/A)	1.7	1.75	1.84	1.78	1.83
Moment of inertia Jm (10 ⁻⁴ Kg.m²)	9(10.5)	13.0(14.5)	17.0(18.5)	21.7(23.2)	21.7(23.2)
Electrical time constant te(ms)	10.03	11.07	13.13	12.38	12.38
Mechanical time constant tm (ms)	1.60(1.86)	1.35(1.51)	1.2 (1.3)	1.14 (1.22)	1.14 (1.22)
Weight(kg)	6(7.8)	7.4(9.2)	8.8(10.6)	10.4(12.2)	10.4(12.2)
Heat sink size(mm)	Aluminum 300 x 300 x 12				
Brake voltage Ub(DC)	24V				
Brake current Ib(A)	1				
Brake torque Tb(Nm)	≥16.5				
Driver adaptation information					
Recommended cable cross-sectional area(mm²)	0.75	0.75	0.75	1.5	1.5
Recommended drive models	N3RP-5R4SC-E	N3RP-5R4SC-E	N3RP-6R8SC-E	N3RP-100SC-E	N3RP-100SC-E



Note: 1) The above are standard models, () are parameters of motors with brake;

2) The characteristics of the instantaneous working area will vary depending on the power supply voltage;

if the load torque is within the rated torque, it can be used in the continuous working area.

130 Flange

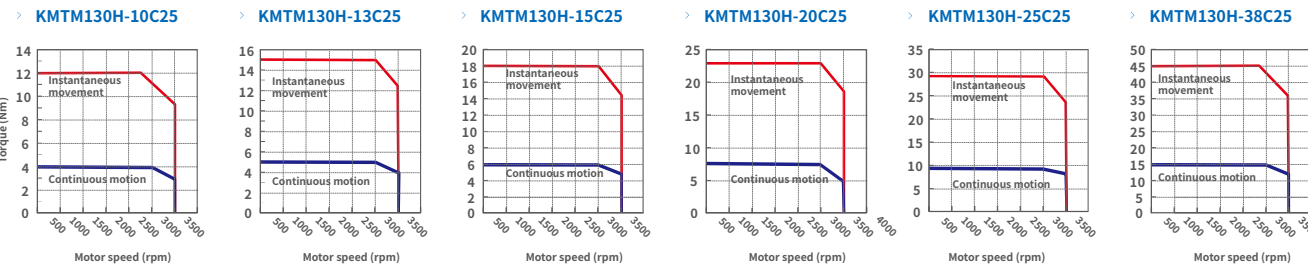
AC380V

2500rpm

1kW~3.8kW

Motor Technical Data

Motor No.	KMTM130H-10C25	KMTM130H-13C25	KMTM130H-15C25	KMTM130H-20C25	KMTM130H-25C25	KMTM130H-38C25
Voltage U(AC)	380V					
Rated power Pr (kW)	1	1.3	1.5	2	2.5	3.8
Rated current Ir(Arms)	2.7	3.2	3.9	4.8	5.6	8.3
Rated torque Tr (Nm)	4	5	6	7.7	9.55	15
Rated speed Nr (rpm)	2500	2500	2500	2500	2500	2500
Maximum current Imax(Arms)	8.1	9.6	11.7	14.4	16.8	24.9
Maximum torque Tmax (Nm)	12	15	18	23.1	28.7	45
Maximum speed Nmax(rpm)	3000	3000	3000	3000	3000	3000
Torque coefficient Kt(Nm/A)	1.6	1.67	1.67	1.75	1.84	1.81
Moment of inertia Jm (10 ⁻⁴ Kg.m ²)	9(10.5)	9(10.5)	9(10.5)	13(14.5)	17(18.5)	21.7(23.2)
Electrical time constant te(ms)	10.03	10.03	10.03	11.07	13.13	12.38
Mechanical time constant tm (ms)	1.60(1.86)	1.60(1.86)	1.60(1.86)	1.35(1.51)	1.20 (1.30)	1.14(1.22)
Weight(kg)	6.0(7.8)	6.0(7.8)	6.0(7.8)	7.4(9.2)	8.8 (10.6)	10.4(12.2)
Heat sink size(mm)	Aluminum 300 x 300 x 12					
Brake voltage Ub(DC)	24V					
Brake current Ib(A)	1					
Brake torque Tb(Nm)	≥16.5					
Driver adaptation information						
Recommended cable cross-sectional area(mm²)	0.75	0.75	0.75	0.75	1.5	1.5
Recommended drive models	N3RP-5R4SC-E	N3RP-5R4SC-E	N3RP-5R4SC-E	N3RP-5R4SC-E	N3RP-6R8SC-E	N3RP-100SC-E



Note: 1) The above are standard models, () are parameters of motors with brake;
2) The characteristics of the instantaneous working area will vary depending on the power supply voltage;
if the load torque is within the rated torque, it can be used in the continuous working area.

130 Flange

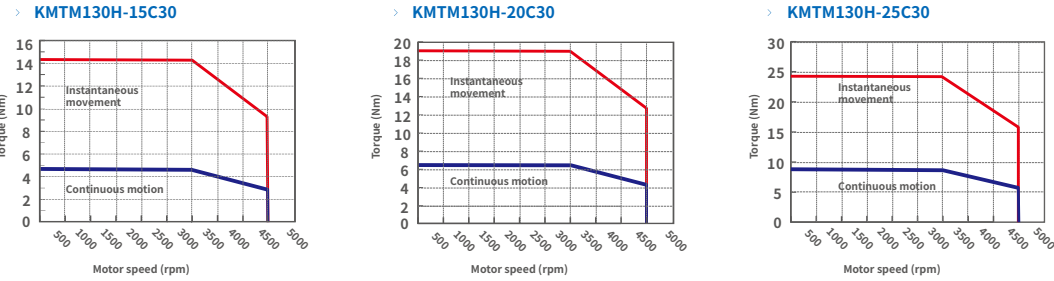
AC380V

3000rpm

1.5kW~2.5kW

Motor Technical Data

Motor No.	KMTM130H-15C30	KMTM130H-20C30	KMTM130H-25C30
▽	▽	▽	▽
Voltage U(AC)	380V		
Rated power Pr (kW)	1.5	2	2.5
Rated current Ir(Arms)	4.3	5.4	6.9
Rated torque Tr (Nm)	4.77	6.36	7.95
Rated speed Nr (rpm)	3000	3000	3000
Maximum current I _{max} (Arms)	12.9	16.2	20.7
Maximum torque T _{max} (Nm)	14.31	19.08	23.85
Maximum speed N _{max} (rpm)	4500	4500	4500
Torque coefficient K _t (Nm/A)	1.19	1.22	1.24
Moment of inertia J _m (10 ⁻⁴ Kg.m ²)	9(10.5)	9(10.5)	13(14.5)
Electrical time constant t _e (ms)	8.62	8.62	11.40
Mechanical time constant t _m (ms)	1.60(1.86)	1.60(1.86)	1.35(1.51)
Weight(kg)	6.0(7.8)	6.0(7.8)	7.4(9.2)
Heat sink size(mm)	Aluminum 300 x 300 x 12		
Brake voltage U _b (DC)	24V		
Brake current I _b (A)	1		
Brake torque T _b (Nm)	≥16.5		
Driver adaptation information			
Recommended cable cross-sectional area(mm²)	0.75	0.75	0.75
Recommended drive models	N3RP-5R4SC-E	N3RP-6R8SC-E	N3RP-6R8SC-E



Note: 1) The above are standard models, () are parameters of motors with brake;
2) The characteristics of the instantaneous working area will vary depending on the power supply voltage;
if the load torque is within the rated torque, it can be used in the continuous working area.

130 Flange

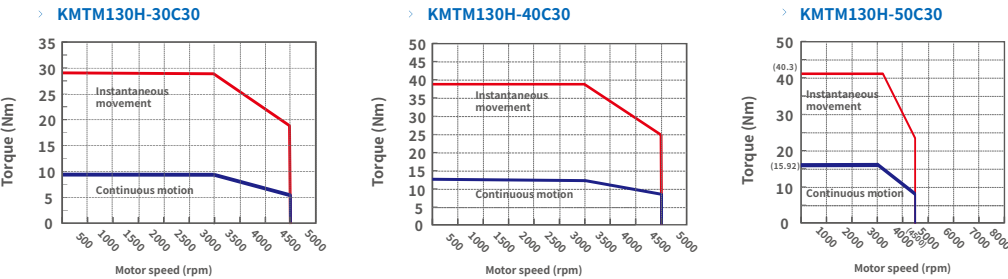
AC380V

3000rpm

3kW~5kW

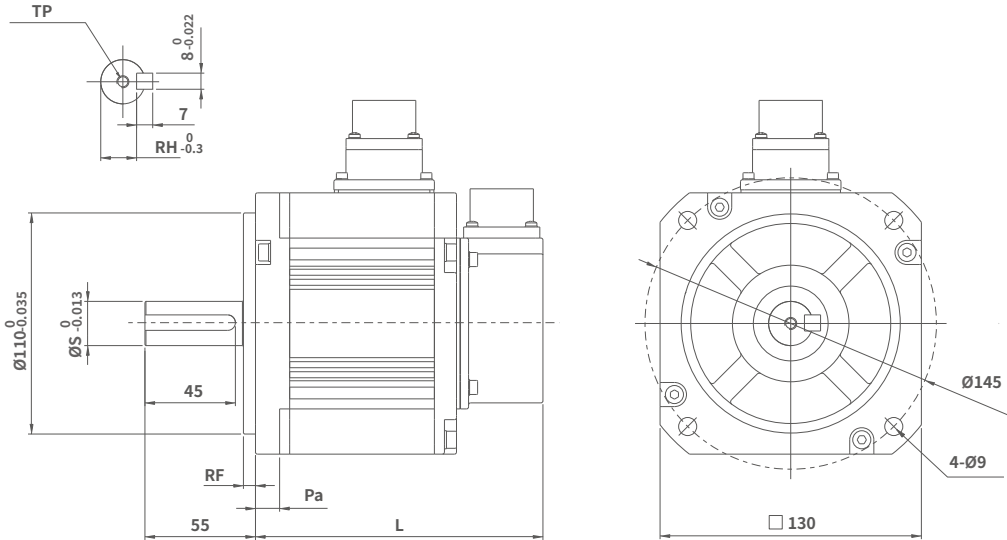
Motor Technical Data

Motor No.	KMTM130H-30C30	KMTM130H-40C30	KMTM130H-50C30
Voltage U(AC)		380V	
Rated power Pr (kW)	3	4.0	5.0
Rated current Ir(Arms)	8.64	10.2	13.2
Rated torque Tr (Nm)	9.55	12.7	15.92
Rated speed Nr (rpm)	3000	3000	3000
Maximum current Imax(Arms)	25.9	30.6	35
Maximum torque Tmax (Nm)	28.7	38.1	40.3
Maximum speed Nmax(rpm)	4500	4500	4500
Torque coefficient Kt(Nm/A)	1.19	1.25	1.27
Moment of inertia Jm (10 ⁻⁴ Kg.m ²)	17(18.5)	21.7(23.2)	27(28.5)
Electrical time constant te(ms)	11.57	12.04	11.71
Mechanical time constant tm (ms)	1.20(1.30)	1.14(1.22)	2.1(2.2)
Weight(kg)	8.8(10.6)	10.4(12.2)	12.5(14.4)
Heat sink size(mm)	Aluminum 300 x 300 x 12		Aluminum 450 x 450 x 25
Brake voltage Ub(DC)		24V	
Brake current Ib(A)		1	
Brake torque Tb(Nm)		≥16.5	
Driver adaptation information			
Recommended cable cross-sectional area(mm²)	1.5	1.5	2.5
Recommended drive models	N3RP-100SC-E	N3RP-120SC-E	N3RP-140SC-E



Note: 1) The above are standard models, () are parameters of motors with brake;
2) The characteristics of the instantaneous working area will vary depending on the power supply voltage;
if the load torque is within the rated torque, it can be used in the continuous working area.

ServoMotor Dimensions (130 Flage)



External Dimension								Unit(mm)
Motor model	S	RH	TP	RF	Pa	L (Without brake size)	L (With brake size)	
KMTM130□-85B15E□								
KMTM130□-10C20E□								
KMTM130□-15C30E□								
KMTM130□-10C25E□	22	18	M6×L20	5	14	142.5	169.3	
KMTM130□-13C25E□								
KMTM130□-15C25E□								
KMTM130H-20C30E□								
KMTM130□-13C15E□								
KMTM130□-15C20E□	22	18	M6×L20	5	14	159.5	186.3	
KMTM130H-20C25E□								
KMTM130H-25C30E□								
KMTM130H-20C20E□								
KMTM130H-30C30E□	22	18	M6×L20	5	14	176.5	203.3	
KMTM130H-25C25E□								
KMTM130H-15C15E□								
KMTM130H-18C15E□								
KMTM130H-25C20E□								
KMTM130H-30C20E□	22	18	M6×L20	5	14	196.5	223.3	
KMTM130H-40C30E□								
KMTM130H-23C15E□								
KMTM130H-38C25E□								
KMTM130H-50C30E□	24	20	M8×L20	5	12	218.5	245.3	

Note: For motors with the same flange, torque, and speed, the 380V and 220V models have the same overall dimensions.

180 Flange

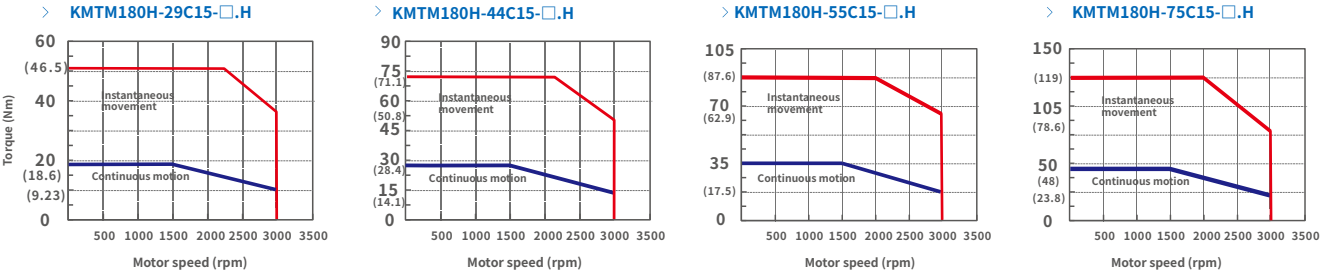
AC380V

1500rpm

2.9kW~7.5kW

Motor Technical Data

Motor No.	KMTM180H-29C15-□.H	KMTM180H-44C15-□.H	KMTM180H-55C15-□.H	KMTM180H-75C15-□.H
	▽	▽	▽	▽
Voltage U(AC)	380V			
Rated power Pr (kW)	2.9	4.4	5.5	7.5
Rated current Ir(Arms)	10.5	16	20.7	25
Rated torque Tr (Nm)	18.6	28.4	35	48
Rated speed Nr (rpm)	1500	1500	1500	1500
Maximum current I _{max} (Arms)	29.75	42	52	65
Maximum torque T _{max} (Nm)	46.5	71.1	87.6	119
Maximum speed N _{max} (rpm)	3000	3000	3000	3000
Torque coefficient K _t (Nm/A)	1.94	1.93	1.92	2
Moment of inertia J _m (10 ⁻⁴ Kg.m²)	44.7(52.35)	64.9(72.55)	86.9(94.55)	127.5(135.15)
Electrical time constant t _e (ms)	24.36	26.09	27.19	25.24
Mechanical time constant t _m (ms)	1.5(1.8)	1.4(1.6)	1.5(1.7)	1.6(1.7)
Weight(kg)	14.1(18.9)	18.1(22.9)	22.7(27.5)	30.3(35.1)
Heat sink size(mm)	Iron 550 x 550 x30			
Brake voltage U _b (DC)	24V			
Brake current I _b (A)	1.3			
Brake torque T _b (Nm)	≥50			
Driver adaptation information				
Recommended cable cross-sectional area(mm²)	1.5	2.5	2.5	4.0
Recommended drive models	N3RP-100SC-E	N3RP-140SC-E	N3RP-210SC-E	N3RP-250SC-E



Note: 1) The above are standard models, () are parameters of motors with brake;
2) The characteristics of the instantaneous working area will vary depending on the power supply voltage;
if the load torque is within the rated torque, it can be used in the continuous working area.

180 Flange

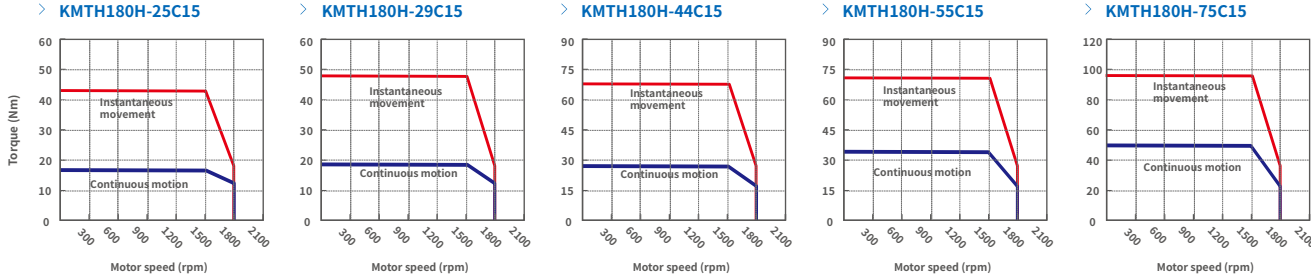
AC380V

1500rpm

2.5kW~7.5kW

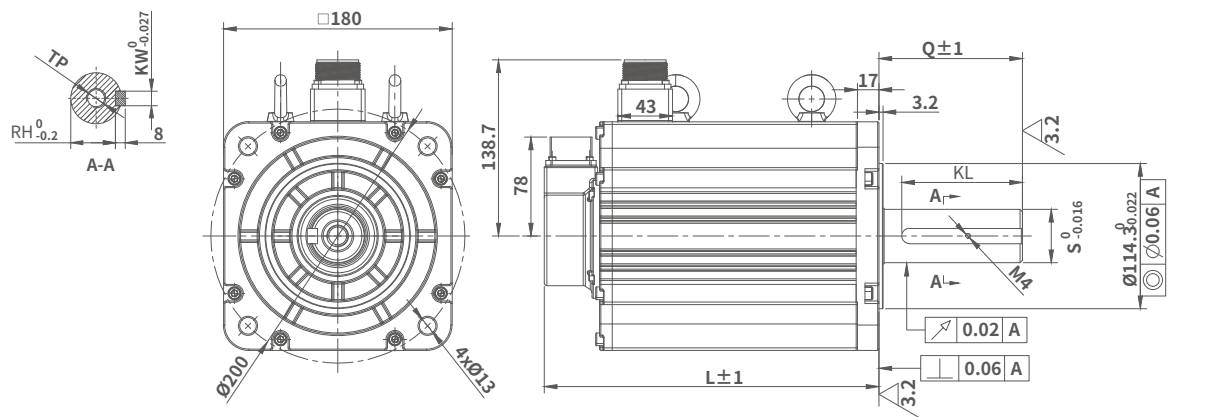
Motor Technical Data

Motor No.	KMTH180H	KMTH180H	KMTH180H	KMTH180H	KMTH180H
	-25C15	-29C15	-44C15	-55C15	-75C15
	▽	▽	▽	▽	▽
Voltage U(AC)	380V				
Rated power Pr (kW)	2.5	2.9	4.4	5.5	7.5
Rated current Ir(Arms)	6.5	7.4	10.4	12	20
Rated torque Tr (Nm)	17	18.5	28	35	48
Rated speed Nr (rpm)	1500	1500	1500	1500	1500
Maximum current I _{max} (Arms)	16.1	19	25	24	40
Maximum torque T _{max} (Nm)	42	47	67	70	96
Maximum speed N _{max} (rpm)	1800	1800	1800	1800	1800
Torque coefficient K _t (Nm/A)	2.6	2.5	2.7	2.9	2.4
Moment of inertia J _m (10 ⁻⁴ Kg.m ²)	65(66.1)	70(71.1)	96.4(97.5)	122.5(123.6)	167.2(168.3)
Electrical time constant t _e (ms)	5.3	6.5	6.3	6.2	6.3
Mechanical time constant t _m (ms)	2.5	2.05	1.89	1.69	1.65
Weight(kg)	19.5(24.5)	20.5(25.5)	25.5(30.5)	30.5(35.5)	40(45)
Heat sink size(mm)	Iron 550 x 550 x 30				
Brake voltage U _b (DC)	24V				
Brake current I _b (A)	1.7				
Brake torque T _b (Nm)	50				
Driver adaptation information					
Recommended cable cross-sectional area(mm ²)	1.5	1.5	1.5	1.5	2.5
Recommended drive models	N3RP-6R8SC-E	N3RP-8R3SC-E	N3RP-120SC-E	N3RP-140SC-E	N3RP-210SC-E



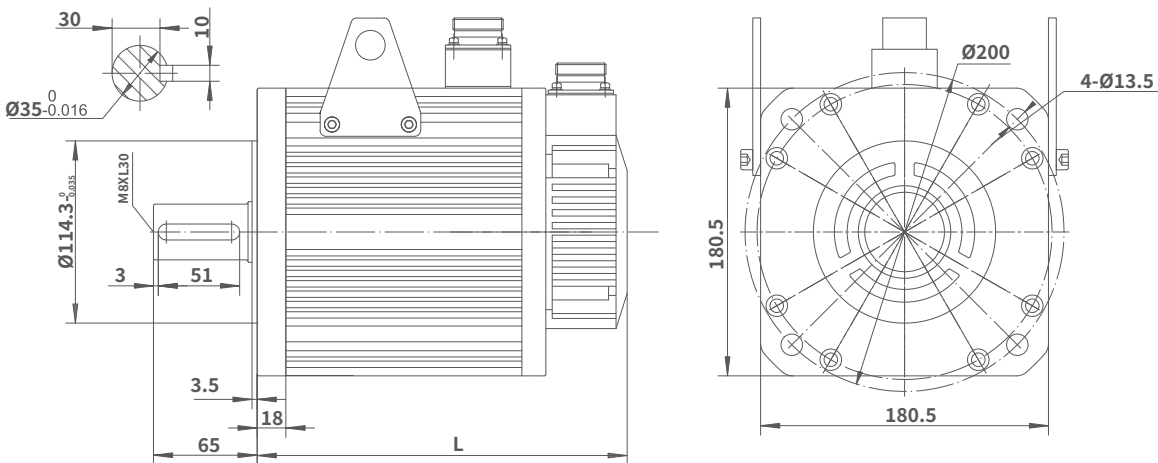
Note: 1) The above are standard models, () are parameters of motors with brake;
2) The characteristics of the instantaneous working area will vary depending on the power supply voltage;
if the load torque is within the rated torque, it can be used in the continuous working area.

ServoMotor Dimensions (180 Flage)



External Dimension

									Unit(mm)
Motor model	S	Q	KW	KL	RH	TP	L (Without brake size)	L (With brake size)	
KMTM180H-29C15E□-□.H	35	79	10	65	30	M12×L33.5	169.5	203.3	
KMTM180H-44C15E□-□.H	35	79	10	65	30	M12×L33.5	193	226.8	
KMTM180H-55C15E□-□.H	42	113	12	95	37	M16×L44	216.5	250.3	
KMTM180H-75C15E□-□.H	42	113	12	95	37	M16×L44	263.5	297.3	



External Dimension

			Unit(mm)
Motor model	L (Without brake size)	L (With brake size)	
KMTH180H-25C15E□	227	301	
KMTH180H-29C15E□	233	307	
KMTH180H-44C15E□	263	337	
KMTH180H-55C15E□	293	367	
KMTH180H-75C15E□	347	421	

Note: For motors with the same flange, torque, and speed, the 380V and 220V models have the same overall dimensions.

200 Flange

AC380V

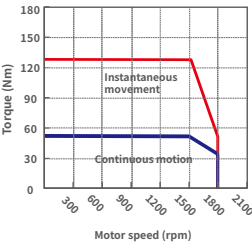
1500rpm

8.3kW

Motor Technical Data

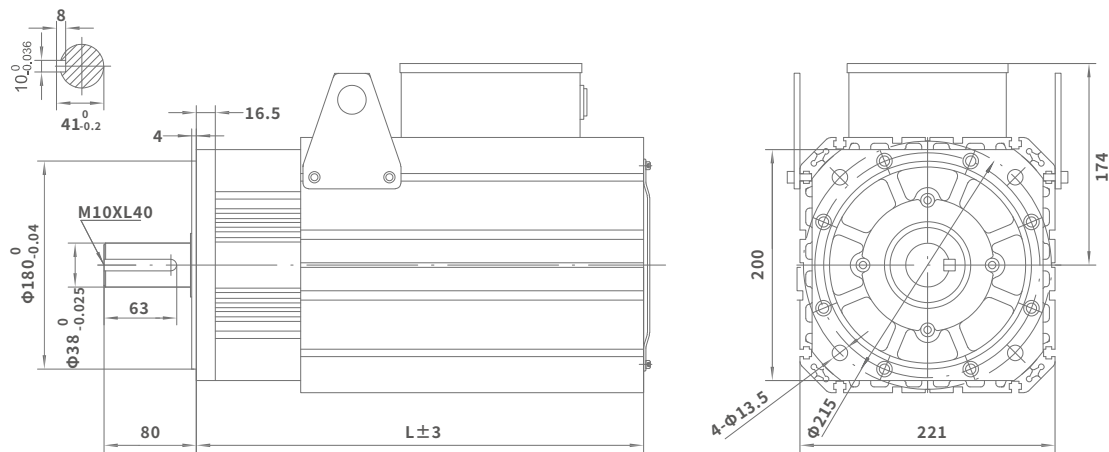
Motor No.	KMTM200H-83C15
Voltage U(AC)	380V
Rated power Pr (kW)	8.3
Rated current Ir(Arms)	18
Rated torque Tr (Nm)	53
Rated speed Nr (rpm)	1500
Maximum current I _{max} (Arms)	42.5
Maximum torque T _{max} (Nm)	125
Maximum speed N _{max} (rpm)	1600
Torque coefficient K _t (Nm/A)	2.9
Moment of inertia J _m (10 ⁻⁴ kg.m ²)	72(73.8)
Electrical time constant t _e (ms)	12.1
Mechanical time constant t _m (ms)	1.49
Weight(kg)	46(61)
Heat sink size(mm)	Iron 650 x 650 x 35
Brake voltage U _b (DC)	24V
Brake current I _b (A)	4
Brake torque T _b (Nm)	120
Driver adaptation information	
Recommended cable cross-sectional area(mm ²)	2.5
Recommended drive models	N3RP-210SC-E

> KMTM200H-83C15



Note: 1) The above are standard models, () are parameters of motors with brake;
2) The characteristics of the instantaneous working area will vary depending on the power supply voltage;
if the load torque is within the rated torque, it can be used in the continuous working area.

ServoMotor Dimensions (200 Flage)



External Dimension

Unit(mm)		
Motor model	L (Without brake size)	L (With brake size)
KMTM200H-83C15E□	392	492

Motor Accessories

Power cables

LM – 030 – B A4 – 2 . □

Motor Power cable

Length3m=030
Max. support 60 meters=600

Wire Specification

S	0.5mm ²
A	0.75mm ²
B	1.5mm ²
C	2.5mm ²
D	4mm ²
E	6mm ²

Home Definition

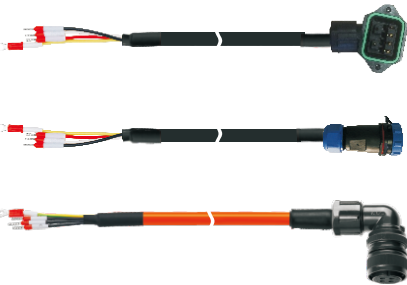
None	Drive side sling type, no connector
S	Applicable to N2&N3 series drives

Special Requirements

0	PVC common fixed cable (black)
2	PVC highly flexible cable (10 million bends)
3	PUR water-proof, oil-resistant and corrosion-resistant flexible cable
4	PVC shielded fixed cable (Black)
5	PVC shielded highly flexible cable (10 million bends)

Cable Side Connector Type

AF	is suitable for the front outlet of the 40/60/80 flange plastic housing plug-in connector without brake motor (AB is the rear outlet)*
BF	is suitable for 40/60/80 flange plastic housing plug-in connector with brake motor front outlet (BB is rear outlet)*
A2	is suitable for 40/60/80 flange plastic shell aviation connector without brake motor
B2	is suitable for plastic shell aviation connectors for 40/60/80 flange motors with holding brakes
A4	is suitable for metal aviation connectors of 100/130 flange motors without brakes.
B4	is a metal aviation connector suitable for 100/130 flange motors with brakes.
A7	Metal aviation connector suitable for 180 flange motors
AG	Metal aviation connector suitable for 180.H flange motors without brakes.
BG	Metal aviation connector suitable for 180.H flange motors with brakes.



Cable side connector type	Cable side connector model
AF/AB	SC-MC6S-AE20-01
BF/BB	SC-MC6S-AE20-01
A2	CP-GM1311/S-4B
B2	CE-GM2111/S-6B
A4	CMS3108A20-4SI
B4	CMS3108A20-18SI
A7	YD32-4
AG/BG	CMS3108A22-A6SI

Note: 1. Standard cable lengths are 3m, 5m, 7m,10m, 15m, 20m, other lengths need to be customized.
2. *The maximum cable length for plastic case plug-in adapter is 40 meters.

Power Cables Connector Specifications

40/60/80 flange motor plastic housing plug-in connector:



Terminal symbol	1	2	3	4	A	B
signal	U	V	W	PE	Brake-	Brake+

SC-MC6S-AE20-01

40/60/80 flange motor plastic housing plug-in connector:



Terminal symbol	1	2	3	4
signal	V	U	W	PE

CP-GM1311/S-4B



Terminal symbol	1	2	3	4	5	6
signal	V	U	W	PE	Brake+	Brake-

CE-GM2111/S-6B

100/130 flange motor with metal aviation connector



Terminal symbol	A	B	C	D
signal	U	V	W	PE

CMS3108A20-4SI(without brake)



Terminal symbol	G	H	F	I	B	E
signal	Brake+	Brake-	U	V	W	PE

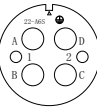
CMS3108A20-18SI(with brake)

180 flange motor with metal aviation connector: 180□.H flange motor with metal aviation connector:



Terminal symbol	1	2	3	4
signal	PE	U	V	W

YD32-4



Terminal symbol	A	B	C	D	1	2
signal	U	V	W	PE	Brake+	Brake-

CMS3108A22-A6SI

Encoder Cables

LE - 030 - 1 P2 - 0 . □

Motor Encoder Cable

Length 3m=030

Maximum support 60 meters = 600

Encoder Specifications

Fill in according to the selected motor encoder type

1

Single turn absolute value (4 cores)
(Used when the encoder is incremental)

4

Multi-turn absolute value type (6 cores, with battery and 2 wires, without battery)
(Used when the encoder is absolute value)

Home Definition

None

Drive side sling type, without connector

V

For N3RP series drives (1KW and below)

P

For N3RP series drives (1KW or more)

Special Requirements

0

PVC shielded ordinary fixed cable (black)

2

PVC shielded highly flexible cable (10 million bends)

3

PUR shielded waterproof, oil-resistant, corrosion-resistant flexible cable

Cable Side Connector Type

PF

Plastic shell direct plug connector suitable for 40/60/80 flange motors, front outlet (PB is rear outlet)*

P2

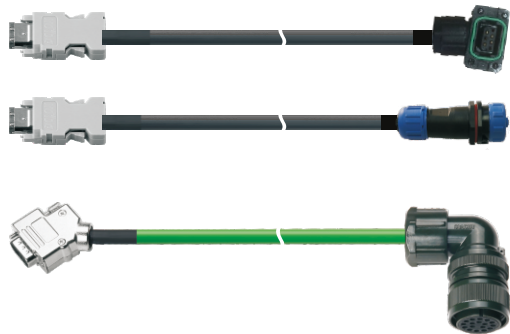
is suitable for plastic shell aviation connectors for 40/60/80 flange motors

P4

Metal aviation connector suitable for 100/130/180.H flange motors

P6

Metal aviation connector suitable for 180/200/230 flange motors

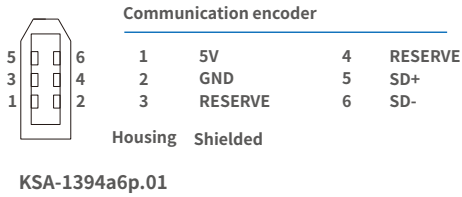


Cable side connector type	Cable side connector model
PF/PB	SC-MC7S-A820-P1
P2	CP-GM1311/S-9
P4	CMS3108A20-29SI
P6	YD28-7

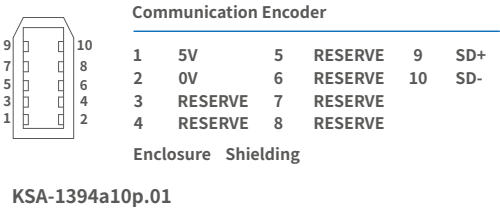
Note: 1. Standard cable lengths are 3m, 5m, 7m, 10m, 15m, and 20m. The other lengths need to be customized.
2. *The maximum cable length for plastic case plug-in adapter is 40 meters.

Encoder Cables Connector Specifications

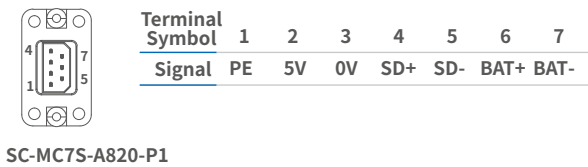
N3 Driver Side Pin Definition:



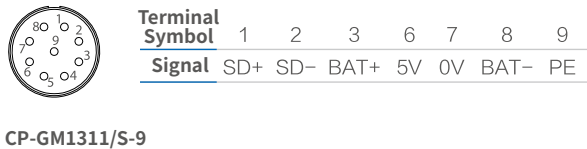
N3 Driver Side Pin Definitions



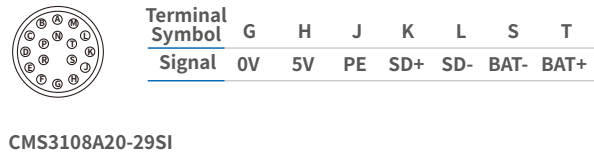
40/60/80 flange motor plastic housing plug-in connector:



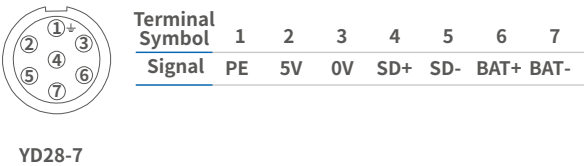
40/60/80 flange motor plastic housing plug-in connector:



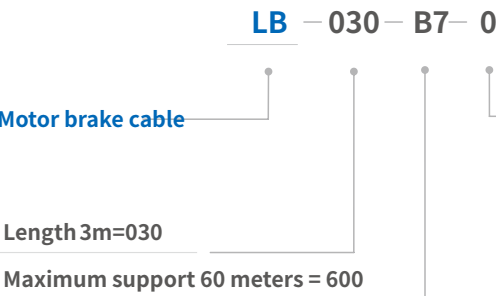
100/130/180.H flange motor with metal aviation connector:



180/200/230 flange motor with metal aviation connector:



Brake Cables



Special Requirements

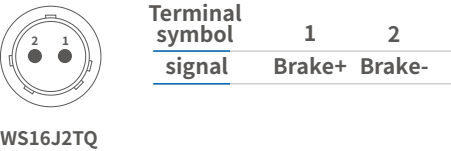
0	PVC common fixed cable (black)
2	PVC highly flexible cable (10 million bends)
3	PUR water-proof, oil-resistant and corrosion-resistant flexible cable

Cable Side Connector Type

B7	Metal aviation connector for 180 flange motors
W	Suitable for junction box wiring of 200/230 flange motors

Encoder Cables Connector Specifications

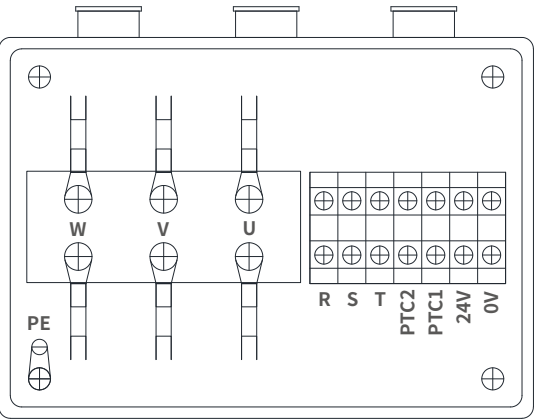
180 flange motor with metal aviation connector:



Cable side connector type	Cable side connector model
B7	WS16J2TQ
W	Junction box method

Note: 1. Standard cable lengths are 3m, 5m, 7m,10m, 15m, 20m, other lengths need to be customized.

Junction Box



Note: 200 flange motors use a junction box to connect power lines, fans, brakes, sensors, etc. The pin definitions are as shown in the figure above;

Power Cables

KLM-030-D W4-0 □

Power Cable

Lengh3m=030
Maximum support 60 meters = 600

Wiring Specification

C	2.5mm²
D	4mm²
E	6mm²

Note: Used for power cables connected to 200 flange motors using junction boxes;

Home Definition

None	Drop the line directly without connecting the connector
S	Applicable to N2&N3 series drives

Special Requirement

0	PVC normal fixed cable (black)
2	PVC highly flexible cable (10 million bends)
3	PUR water-proof, oil-resistant and corrosion-resistant flexible cable

Cable Side Connector Type

W4	power cable 200/230 flange motor wiring with junction box, 4 cores
----	--

Fan Cables

KLF-030-A W-0

Fan Cable

Length 3m=030
Maximum support 60 meters = 600

Wire Diameter Specifications

A	0.75mm²
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Note: Forced cooling fan for 200 flange motors

Special Requirements

0	PVC ordinary fixed cable
2	PVC highly flexible cable (10 million bends)
3	PUR water-proof, oil-resistant and corrosion-resistant flexible cable

Cable Side Connector Type

W	200/230 flange motors are wired using junction boxes
---	--

Temperature Sensor Cables

KLT-030-A W-0

Temperature Sensor Cable

Length 3m=030
Maximum support 60 meters = 600

Sensor Type

B	PTC temperature sensor
---	------------------------

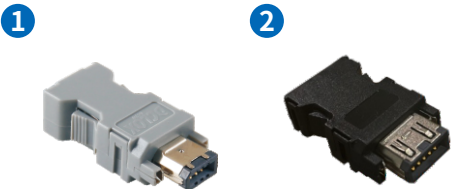
Note: used for temperature sensor feedback of 200 flange motor;

Special Requirements

0	PVC ordinary fixed cable (black)
2	PVC highly flexible cable (10 million bends)
3	PUR water-proof, oil-resistant and corrosion-resistant flexible cable

Cable Side Connector Type

W	200/230 flange motors are wired using junction boxes
---	--



▸ D-Sub connector

Model Description

- 1 KSA-1394a6p.01
1394a6p male connector for N3 series drive encoder interface
- 2 KSA-1394a10p.01
1394a10p male connector for N3 series drive encoder interface (above 1kW)

▸ Encoder cable connector

Cable side connector type and model description

- 3 SC-MC7S-A820-P1
40/60/80 flange specification plastic housing in-line encoder connector
- 4 CP-GM1311/S-9
40/60/80 flange specification plastic housing aviation encoder connector
- 5 CMS3108A20-29SI
100/130/180.H flange specification uses metal aviation encoder connector
- 6 YD28-7
180/200/230 flange specification uses metal aviation encoder connector



▸ Connector for power cable

Cable side connector type Model Description

- 7 SC-MC6S-AE20-01
40/60/80 flange specification plastic shell direct plug power connector
- 8 CP-GM1311/S-4B
40/60/80 flange specification plastic shell air plug power connector
- 9 CE-GM2111/S-6B
40/60/80 flange specification plastic shell air plug power connector (including brake wire pins)
- 10 CMS3108A20-4SI
100/130 flange specifications use metal aviation plug power connector
- 11 CMS3108A20-18SI
100/130 flange specification uses metal air plug power connector (including brake wire pins)
- 12 YD32-4
180 flange specification uses metal air plug power connector
- 13 CMS3108A22-A6SI
180.H flanges with metal power connectors

▸ Absolute encoder battery pack

Battery component model description

- 14 BAT-N2
Battery pack (for N2 series 4P encoder specification)
- 15 BAT-ER14505H+BAT-CV02
Battery pack (for N2 series 2P encoder specification)
- 16 BAT-ER14505H
3.6V disposable lithium battery



Combination Table

Motor		Wires		Drives
Flange	Motor no.	Power & Brake Cable Model	Encoder Cable Model	Recommended Drive Models
40	KMT40-10B30E□-OK	LM-□□□ SAF/SAB-□.S	LE-□□□-4PF/4PB-□.V	N3RP-1R8SA-E
	KMT40-10B30E□-BOK	LM-□□□ SBF/SBB-□.S		
60	KMT60-20B30E□-OK	LM-□□□ SAF/SAB-□.S	LE-□□□-4PF/4PB-□.V	N3RP-1R8SA-E
	KMT60-20B30E□-BOK	LM-□□□ SBF/SBB-□.S		
	KMT60-40B30E□-OK	LM-□□□ SAF/SAB-□.S	LE-□□□-4PF/4PB-□.V	N3RP-2R8SA-E
	KMT60-40B30E□-BOK	LM-□□□ SBF/SBB-□.S		
80	KMT80-75B30E□-OK	LM-□□□ SAF/SAB-□.S	LE-□□□-4PF/4PB-□.V	N3RP-4R2SA-E
	KMT80-75B30E□-BOK	LM-□□□ SBF/SBB-□.S		
	KMT80-10C30E□-OK	LM-□□□ SAF/SAB-□.S	LE-□□□-4PF/4PB-□.V	N3RP-060PA-E
	KMT80-10C30E□-BOK	LM-□□□ SBF/SBB-□.S		
	KMT80-10C25E□-OK.G	LM-□□□-AA2-□.S		
	KMT80-10C25E□-BOK.G	LM-□□□-AB2-□.S	LE-□□□-4P2-□.P	N3RP-100SA-E
100	KMTM100-10C30E□-OK	LM-□□□-BA4-□.S	LE-□□□-4P4-□.P	N3RP-100SA-E
	KMTM100-10C30E□-BOK	LM-□□□-BB4-□.S		
	KMTM100-15C30E□-OK	LM-□□□-BA4-□.S		
	KMTM100-15C30E□-BOK	LM-□□□-BB4-□.S	LE-□□□-4P4-□.P	N3RP-100SA-E
	KMTM100H-10C30E□-OK	LM-□□□-AA4-□.S		
	KMTM100H-10C30E□-BOK	LM-□□□-AB4-□.S		
	KMTM100H-15C30E□-OK	LM-□□□-AA4-□.S	LE-□□□-4P4-□.P	N3RP-6R8SC-E
	KMTM100H-15C30E□-BOK	LM-□□□-AB4-□.S		
	KMTM100H-20C30E□-OK	LM-□□□-AA4-□.S		
	KMTM100H-20C30E□-BOK	LM-□□□-AB4-□.S	LE-□□□-4P4-□.P	N3RP-6R8SC-E
	KMTM100H-25C30E□-OK	LM-□□□-BA4-□.S		
	KMTM100H-25C30E□-BOK	LM-□□□-BB4-□.S		
	KMTM130-85B15E□-OK	LM-□□□-AA4-□.S	LE-□□□-4P4-□.V	N3RP-060PA-E
	KMTM130-85B15E□-BOK	LM-□□□-AB4-□.S		
130	KMTM130-13C15E□-OK	LM-□□□-BA4-□.S	LE-□□□-4P4-□.P	N3RP-100SA-E
	KMTM130-13C15E□-BOK	LM-□□□-BB4-□.S		
	KMTM130-10C20E□-OK	LM-□□□-AA4-□.S	LE-□□□-4P4-□.V	N3RP-060PA-E
	KMTM130-10C20E□-BOK	LM-□□□-AB4-□.S		
	KMTM130-15C20E□-OK	LM-□□□-BA4-□.S	LE-□□□-4P4-□.P	N3RP-100SA-E
	KMTM130-15C20E□-BOK	LM-□□□-BB4-□.S		
	KMTM130-10C25E□-OK	LM-□□□-AA4-□.S	LE-□□□-4P4-□.V	N3RP-060PA-E
	KMTM130-10C25E□-BOK	LM-□□□-AB4-□.S		
	KMTM130-13C25E□-OK	LM-□□□-AA4-□.S	LE-□□□-4P4-□.P	N3RP-100SA-E
	KMTM130-13C25E□-BOK	LM-□□□-AB4-□.S		
	KMTM130-15C25E□-OK	LM-□□□-BA4-□.S	LE-□□□-4P4-□.P	N3RP-100SA-E
	KMTM130-15C25E□-BOK	LM-□□□-BB4-□.S		
	KMTM130-15C30E□-OK	LM-□□□-AA4-□.S	LE-□□□-4P4-□.P	N3RP-100SA-E
	KMTM130-15C30E□-BOK	LM-□□□-AB4-□.S		
	KMTM130H-85B15E□-OK	LM-□□□-AA4-□.S	LE-□□□-4P4-□.P	N3RP-5R4SC-E
	KMTM130H-85B15E□-BOK	LM-□□□-AB4-□.S		
	KMTM130H-13C15E□-OK	LM-□□□-AA4-□.S	LE-□□□-4P4-□.P	N3RP-5R4SC-E
	KMTM130H-13C15E□-BOK	LM-□□□-AB4-□.S		
	KMTM130H-15C15E□-OK	LM-□□□-AA4-□.S	LE-□□□-4P4-□.P	N3RP-6R8SC-E
	KMTM130H-15C15E□-BOK	LM-□□□-AB4-□.S		
	KMTM130H-18C15E□-OK	LM-□□□-BA4-□.S	LE-□□□-4P4-□.P	N3RP-6R8SC-E
	KMTM130H-18C15E□-BOK	LM-□□□-BB4-□.S		
	KMTM130H-23C15E□-OK	LM-□□□-BA4-□.S	LE-□□□-4P4-□.P	N3RP-100SC-E
	KMTM130H-23C15E□-BOK	LM-□□□-BB4-□.S		
	KMTM130H-10C20E□-OK	LM-□□□-AA4-□.S	LE-□□□-4P4-□.P	N3RP-5R4SC-E
	KMTM130H-10C20E□-BOK	LM-□□□-AB4-□.S		
	KMTM130H-15C20E□-OK	LM-□□□-AA4-□.S	LE-□□□-4P4-□.P	N3RP-5R4SC-E
	KMTM130H-15C20E□-BOK	LM-□□□-AB4-□.S		
	KMTM130H-20C20E□-OK	LM-□□□-AA4-□.S	LE-□□□-4P4-□.P	N3RP-6R8SC-E
	KMTM130H-20C20E□-BOK	LM-□□□-AB4-□.S		
	KMTM130H-25C20E□-OK	LM-□□□-BA4-□.S	LE-□□□-4P4-□.P	N3RP-100SC-E
	KMTM130H-25C20E□-BOK	LM-□□□-BB4-□.S		
	KMTM130H-30C20E□-OK	LM-□□□-BA4-□.S	LE-□□□-4P4-□.P	N3RP-100SC-E
	KMTM130H-30C20E□-BOK	LM-□□□-BB4-□.S		
	KMTM130H-10C25E□-OK	LM-□□□-AA4-□.S	LE-□□□-4P4-□.P	N3RP-5R4SC-E
	KMTM130H-10C25E□-BOK	LM-□□□-AB4-□.S		
	KMTM130H-13C25E□-OK	LM-□□□-AA4-□.S	LE-□□□-4P4-□.P	N3RP-5R4SC-E
	KMTM130H-13C25E□-BOK	LM-□□□-AB4-□.S		
	KMTM130H-15C25E□-OK	LM-□□□-AA4-□.S	LE-□□□-4P4-□.P	N3RP-5R4SC-E
	KMTM130H-15C25E□-BOK	LM-□□□-AB4-□.S		

Combination Table

Motor		Wires		Drives
Flange	Motor no.	Power & Brake Cable Model	Encoder Cable Model	Recommended Drive Models
130	KMTM130H-20C25E□-OK	LM-□□□-AA4-□.S	LE-□□□-4P4-□.P	N3RP-5R4SC-E
	KMTM130H-20C25E□-BOK	LM-□□□-AB4-□.S		
	KMTM130H-25C25E□-OK	LM-□□□-BA4-□.S	LE-□□□-4P4-□.P	N3RP-6R8SC-E
	KMTM130H-25C25E□-BOK	LM-□□□-BB4-□.S		
	KMTM130H-38C25E□-OK	LM-□□□-BA4-□.S	LE-□□□-4P4-□.P	N3RP-100SC-E
	KMTM130H-38C25E□-BOK	LM-□□□-BB4-□.S		
	KMTM130H-15C30E□-OK	LM-□□□-AA4-□.S	LE-□□□-4P4-□.P	N3RP-5R4SC-E
	KMTM130H-15C30E□-BOK	LM-□□□-AB4-□.S		
	KMTM130H-20C30E□-OK	LM-□□□-AA4-□.S	LE-□□□-4P4-□.P	N3RP-6R8SC-E
	KMTM130H-20C30E□-BOK	LM-□□□-AB4-□.S		
	KMTM130H-25C30E□-OK	LM-□□□-AA4-□.S	LE-□□□-4P4-□.P	N3RP-6R8SC-E
	KMTM130H-25C30E□-BOK	LM-□□□-AB4-□.S		
	KMTM130H-30C30E□-OK	LM-□□□-BA4-□.S	LE-□□□-4P4-□.P	N3RP-100SC-E
	KMTM130H-30C30E□-BOK	LM-□□□-BB4-□.S		
	KMTM130H-40C30E□-OK	LM-□□□-BA4-□.S	LE-□□□-4P4-□.P	N3RP-120SC-E
	KMTM130H-40C30E□-BOK	LM-□□□-BB4-□.S		
	KMTM130H-50C30E□-OK	LM-□□□-CA4-□.S	LE-□□□-4P4-□.P	N3RP-140SC-E
	KMTM130H-50C30E□-BOK	LM-□□□-CB4-□.S		
180	KMTM180H-29C15E□-OK.H	LM-□□□-BAG-□.S	LE-□□□-4P4-□.P	N3RP-100SC-E
	KMTM180H-29C15E□-BOK.H	LM-□□□-BBG-□.S		
	KMTM180H-44C15E□-OK.H	LM-□□□-CAG-□.S	LE-□□□-4P4-□.P	N3RP-140SC-E
	KMTM180H-44C15E□-BOK.H	LM-□□□-CBG-□.S		
	KMTM180H-55C15E□-OK	LM-□□□-CAG-□.S	LE-□□□-4P4-□.P	N3RP-210SC-E
	KMTM180H-55C15E□-BOK.H	LM-□□□-CBG-□.S		
	KMTM180H-75C15E□-OK	LM-□□□-DAG-□.S	LE-□□□-4P4-□.P	N3RP-250SC-E
	KMTM180H-75C15E□-BOK.H	LM-□□□-DBG-□.S		
	KMTH180H-25C15E□-OK	LM-□□□-BA7-□.S	LE-□□□-4P6-□.P	N3RP-6R8SC-E
	KMTH180H-25C15E□-BOK	LM-□□□-BA7-□.S		
	KMTH180H-29C15E□-OK	LM-□□□-BA7-□.S	LE-□□□-4P6-□.P	N3RP-8R3SC-E
	KMTH180H-29C15E□-BOK	LM-□□□-BA7-□.S		
	KMTH180H-44C15E□-OK	LM-□□□-BA7-□.S	LE-□□□-4P6-□.P	N3RP-120SC-E
	KMTH180H-44C15E□-BOK	LM-□□□-BA7-□.S		
	KMTH180H-55C15E□-OK	LM-□□□-BA7-□.S	LE-□□□-4P6-□.P	N3RP-140SC-E
	KMTH180H-55C15E□-BOK	LM-□□□-BA7-□.S		
	KMTH180H-75C15E□-OK	LM-□□□-CA7-□.S	LE-□□□-4P6-□.P	N3RP-210SC-E
	KMTH180H-75C15E□-BOK	LM-□□□-CA7-□.S		
200	KMTM200H-83C15E□-OK	KLM-□□□-CW4-□.S	LE-□□□-4P6-□.P	N3RP-210SC-E
	KMTM200H-83C15E□-BOK	KLM-□□□-CW4-□.S		
		LB-□□□-W-□		

Note: 200 flange motor, in the cable selection, need to adapt the fan, temperature sensor cable, please refer to the motor

accessories part selection.

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