



ALL IN ONE CUSTOMIZABLE PANCAKE BRUSHLESS SERVOMOTOR





MYACTUATOR ®
Profession franchis denominals

RH-17-100-N

LED

1 2 -+

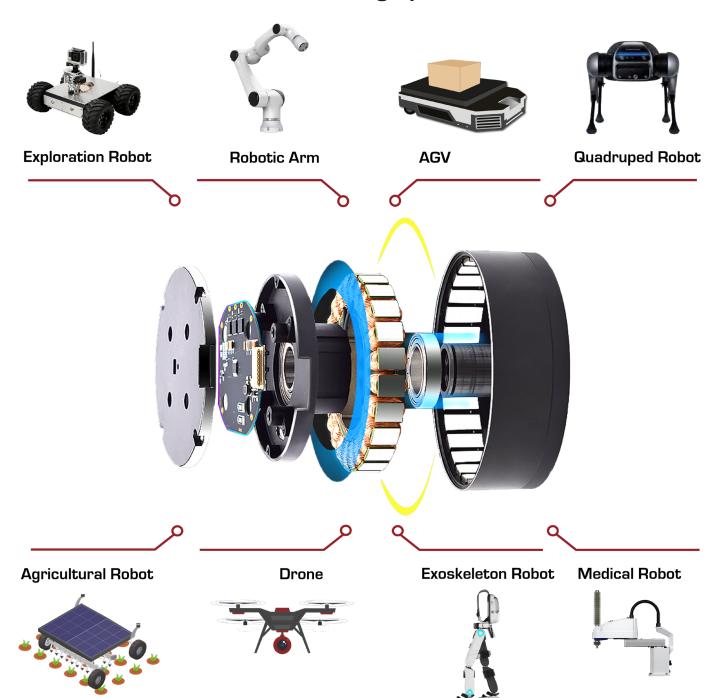
Blooder Braken
Resistor Resistor

RH - HARMONIC - SERIES

INTEGRATED HARMONIC MODULE INTEGRATED DESIGN, VIBRATION RESISTANCE

V1.2.1

Maximize the performance of your applications while saving space.



PRODUCT NAME RULES

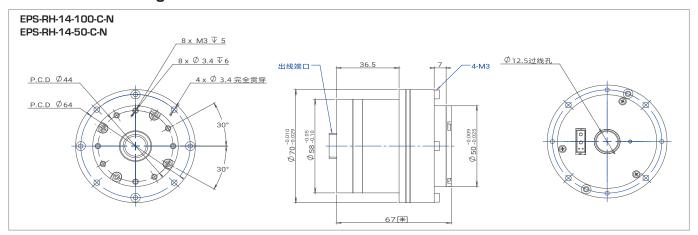


- (1) Brand Name E-Efficiency P-Precision S-Smart
- 2 R-Harmony motor, S-H Hollow Shaft
- (3) Harmony Reducer Model: 14/17/20/25/32
- (4) Gear Ratio: 50/100
- (5) Communication C: CANBUS, R: RS485, E: EtherCAT
- (6) Customizable Brakes : N : No Brake B : Brake

Motor simplified Name

RH-14





Product Parameters

ltem	Name	Units	RH-14	
Reducer Type		-	Harmonic reducer	
Gear Ratio		-	1:50	1:100
Peak Torque (Start &	S stop)	N.m	18	28
Rated Torque		N.m	7	11
Peak Speed		R/Min	60	30
Rated Speed		R/Min	50	25
Peak Current		А	3,5	3,5
Rated Current		А	1,5	1,5
Rated Voltage		V	48	48
Motor Rated Power		W	100	100
Line to line resistance		ohms@20°C	0,9	0,9
Line to line inductance		mH	0,4	0,4
Back EMF		Vrms/KRPM	5,6	5,6
Single Direction Accuracy Arc Sec		Arc Sec	40	30
Repetitive Positionin	g Accuracy	Arc Sec	15	10
Radial load capacity		N	273	273
Encoder Type		Rev	ABS-17bit	ABS-17bit
Hollow Shaft	N (without brake)	mm	12,5	12,5
Diameter	B (with brake)	mm	/	/
Inertia	N (without brake)	Kg.m ²	0,02	0,04
merua	B (with brake)	Kg.m ²	/	/
Weight	N (without brake)	kg	0,71	0,71
vveignic	B (with brake)	kg	/	/

^{*} Rated torque test method: When the ambient temperature is 24 degrees Celsius (no other dissipation methods), the test is performed at the rated speed.

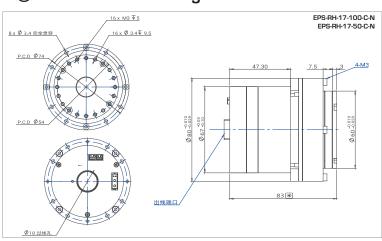
The motor torque reaches temperature balance under the condition of a temperature rise of 60 degrees Celsius, and the long-term working point is the rated torque value of the motor

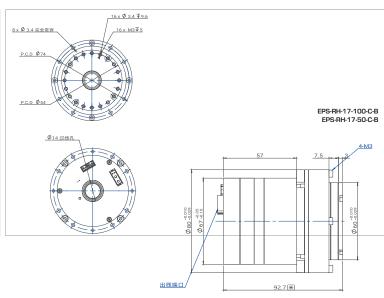
Motor simplified Name

RH-17



Installation Drawing





Product Parameters

Item Name		Units	RH-17	
Reducer Type		-	Harmonic reducer	
Gear Ratio		-	1:50	1:100
Peak Torque (Star	t & stop)	N.m	34	54
Rated Torque		N.m	23	35
Peak Speed		R/Min	60	30
Rated Speed	Rated Speed		50	25
Peak Current		А	6,3	6,3
Rated Current		А	3,5	3,5
Rated Voltage		V	48	48
Motor Rated Power		W	180	180
Line to line resistance		ohms@20°C	0,77	0,77
Line to line inductance		mH	0,38	0,38
Back EMF		Vrms/KRPM	7,30	7,30
Single Direction Accuracy Arc Sec		Arc Sec	40	30
Repetitive Positioning Accuracy		Arc Sec	15	10
Radial load capacit	Radial load capacity		775	775
Encoder Type		Rev	ABS-17bit	ABS-17bit
Hollow Shaft	N (without brake)	mm	18	18
Diameter	B (with brake)	mm	14	14
Inertia	N (without brake)	Kg.m ²	0,05	0,10
	B (with brake)	Kg.m ²	0,07	0,12
Weight	N (without brake)	kg	1,10	1,10
vveignt	B (with brake)	kg	1,25	1,25

^{*} Rated torque test method: When the ambient temperature is 24 degrees Celsius (no other dissipation methods), the test is performed at the rated speed.

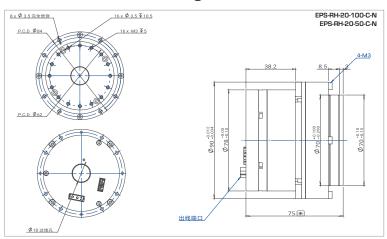
The motor torque reaches temperature balance under the condition of a temperature rise of 60 degrees Celsius, and the long-term working point is the rated torque value of the motor

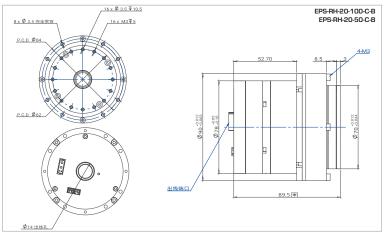
Motor simplified Name

RH-20



- Installation Drawing





O Product Parameters

Item Name		Units	RH-20	
Reducer Type		-	Harmonic reducer	
Gear Ratio		-	1:50	1:100
Peak Torque (Start &	S stop)	N.m	56	80
Rated Torque		N.m	34	50
Peak Speed		R/Min	60	30
Rated Speed			50	25
Peak Current		А	9,0	9,0
Rated Current		А	5,0	5,0
Rated Voltage		V	48	48
Motor Rated Power		W	250	250
Line to line resistance		ohms@20°C	0,38	0,38
Line to line inductance		mH	0,33	0,33
Back EMF		Vrms/KRPM	7,00	7,00
Single Direction Accuracy Arc Sec		Arc Sec	40	30
Repetitive Positionin	Repetitive Positioning Accuracy		15	10
Radial load capacity	Radial load capacity		1100	1100
Encoder Type		Rev	ABS-17bit	ABS-17bit
Hollow Shaft	N (without brake)	mm	18	18
Diameter	B (with brake)	mm	14	14
Inertia	N (without brake)	Kg.m ²	0,07	0,14
	B (with brake)	Kg.m ²	0,08	0,16
Weight	N (without brake)	kg	1,45	1,45
vveignt	B (with brake)	kg	1,60	1,60

^{*} Rated torque test method: When the ambient temperature is 24 degrees Celsius (no other dissipation methods), the test is performed at the rated speed.

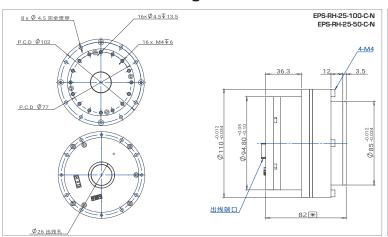
The motor torque reaches temperature balance under the condition of a temperature rise of 60 degrees Celsius, and the long-term working point is the rated torque value of the motor

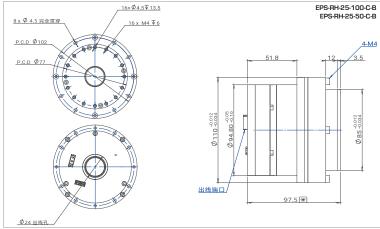
Motor simplified Name

RH-25



- Installation Drawing





Product Parameters

lter	Name	Units	RH-25	
Reducer Type		-	Harmonic reducer	
Gear Ratio		-	1:50	1:100
Peak Torque (Start	& stop)	N.m	98	157
Rated Torque		N.m	55	108
Peak Speed		R/Min	45	30
Rated Speed		R/Min	40	25
Peak Current		А	14,0	14,0
Rated Current		А	6,8	6,8
Rated Voltage		V	48	48
Motor Rated Power		W	400	400
Line to line resistance		ohms@20°C	0,23	0,23
Line to line inductance		mH	0,30	0,30
Back EMF		Vrms/KRPM	9,80	9,80
Single Direction Accuracy Arc Sec		Arc Sec	40	30
Repetitive Positioning Accuracy		Arc Sec	15	10
Radial load capacity		N	1740	1740
Encoder Type		Rev	ABS-17bit	ABS-17bit
Hollow Shaft	N (without brake)	mm	26	26
Diameter	B (with brake)	mm	24	24
Inertia	N (without brake)	Kg.m ²	0,17	0,35
	B (with brake)	Kg.m ²	0,21	0,44
Moight	N (without brake)	kg	2,30	2,30
Weight	B (with brake)	kg	2,82	2,82

^{*} Rated torque test method: When the ambient temperature is 24 degrees Celsius (no other dissipation methods), the test is performed at the rated speed.

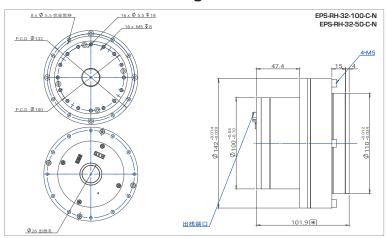
The motor torque reaches temperature balance under the condition of a temperature rise of 60 degrees Celsius, and the long-term working point is the rated torque value of the motor

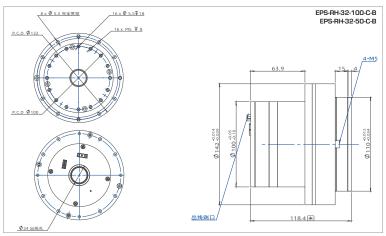
Motor simplified Name

RH-32



- Installation Drawing





- Product Parameters

lte	em N ame	Units	RH	-32
Reducer Type		-	Harmonic reducer	
Gear Ratio		-	1:50	1:100
Peak Torque (Star	t & stop)	N.m	216	330
Rated Torque		N.m	105	215
Peak Speed		R/Min	40	20
Rated Speed		R/Min	35	18
Peak Current		А	25,0	25,0
Rated Current		А	11,5	11,5
Rated Voltage		V	48	48
Motor Rated Power		W	700	700
Line to line resistance		ohms@20°C	0,09	0,09
Line to line inductance		mH	0,13	0,13
Back EMF		Vrms/KRPM	8,30	8,30
Single Direction Accuracy Arc Sec		Arc Sec	40	30
Repetitive Positioning Accuracy		Arc Sec	15	10
Radial load capaci	Radial load capacity		2520	2520
Encoder Type		Rev	ABS-17bit	ABS-17bit
Hollow Shaft	N (without brake)	mm	26	26
Diameter	B (with brake)	mm	24	24
Inertia	N (without brake)	Kg.m ²	0,53	1,10
	B (with brake)	Kg.m ²	0,58	1,21
Weight	N (without brake)	kg	4,30	4,30
vveignt	B (with brake)	kg	4,70	4,70

^{*} Rated torque test method: When the ambient temperature is 24 degrees Celsius (no other dissipation methods), the test is performed at the rated speed.

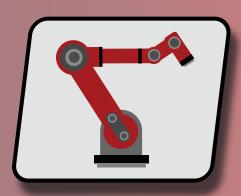
The motor torque reaches temperature balance under the condition of a temperature rise of 60 degrees Celsius, and the long-term working point is the rated torque value of the motor





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