



Unit:mm

Signal connector: GH1.25-F-5P
 Signal cable : GH5P-M-28AWG-15cm
 Phase connector : MR30PW-F
 Phase cable: MR30-M-22AWG-15cm

Pin definition(left to right):
 HW HV HU 5V GND W V U

FEATURES

General Features	Unit	
Diametier	mm	42
Body length	mm	63.8
Output shaft diameter	mm	8
Output shaft length	mm	22

Motor Features	Unit	
Motor type		BLDC outrunner
Motor model		MX3310KV200HA
Pole pairs		7
Number of phases		3

*For more motor features please refer datasheet "MX3310KV200HA".

Gearbox Features	Unit	
Gearbox model		GP42L1A
Gearbox type		Planetary
Gear ratio	K	3.7
Gearbox levels		1
Gearbox diameter	mm	42
Gearbox length	mm	31.8
Gearbox efficiency		90%
Operating torque	kg*cm	20
Brakeing torque	kg*cm	60

Nominal & Stall	Unit			
Gear ratio	K	3.7	3.7	3.7
Nominal voltage	V	12	24	48
Noload speed	rpm	649	1297	2595
Nominal speed	rpm	405	919	2108
Nominal torque	mNm	370	666	1295
Nominal current	A	2.2	3.7	7.2
Maximal power	W	20	70	240
Maximal efficiency		72%	77%	77%
Stall torque*	mNm	1110	1480	2738
Stall current	A	3.5	5.5	9.8

Attention: Stall operation is not recommended, please do necessary protection to avoid irreparable damage!