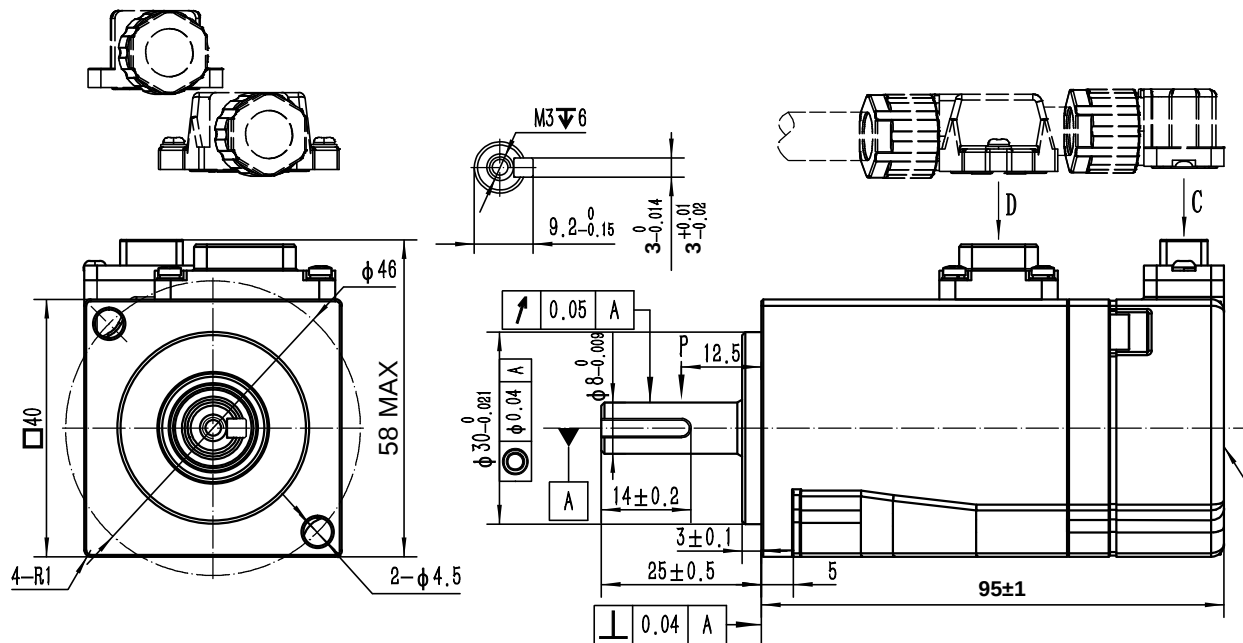


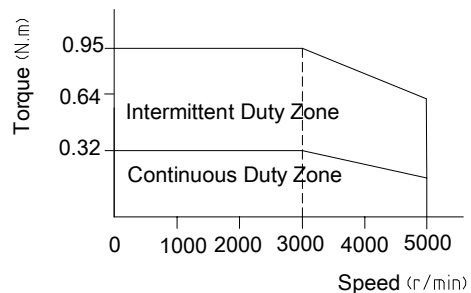
Rated Voltage (Vac)	220
Rated Power (w)	100
Rated Torque (N.m)	0.32
Peak Torque (N.m)	0.95
Rated Speed (rpm)	3000
Peak Speed (rpm)	5000
Rated Current (Amp)	0.92
Peak Current (Amp)	2.85
Torque Const (N.m/Amp)	0.383
Back EMF Const (V/krpm)	23.1
Resistance (Ω)	$17.7 \pm 10\%$
Inductance (mH)	$14.3 \pm 20\%$
Inertia ($\text{kg} \cdot \text{m}^2 \cdot 10^{-4}$)	0.072
Poles	10
Encoder type	23bit optical
IP rating	IP67
Mass (Kg)	0.54



Wiring details of Power cable connector						
Pos	1	2	3	4	A	B
Signal	U	V	W	PE	0V	24V
Color	black	white	red	Yel/Gre	blue	blue

Wiring details of encoder cable connector							
Pos	1	2	3	4	5	6	7
Signal	PE	5V	0V	SD+	SD-	Bat+	Bat-
Color	shield	red	black	blue	yellow	brown	white

The curve of torque-speed



Brake Specification	
Capacity	6.9w
Rated Voltage	24vdc $\pm 10\%$
Holding Torque	$\geq 0.4\text{Nm}$
Braking time	$\leq 40\text{ms}$
Releasing time	$\leq 20\text{ms}$

Leadshine Technology Co.,Ltd

ELM2H-0100LA40E

40mm, high inertia, 100 w servo motor
23bit optical encoder, with brake