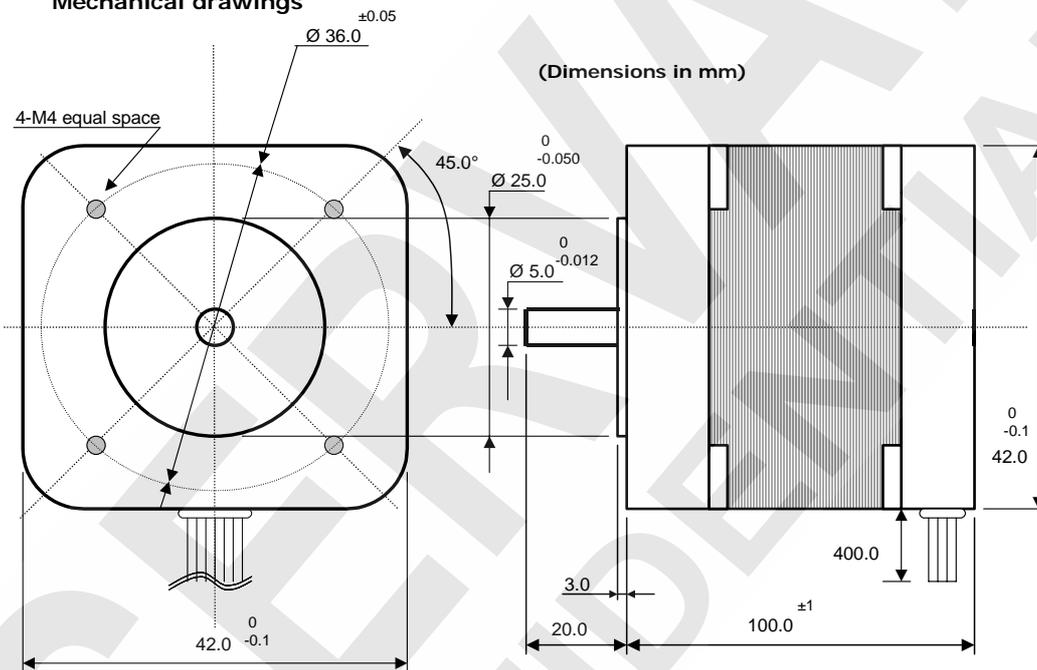


Motor Size	1.7" - 42 mm square flange	# of poles	# 8
Front Shaft	20.0 mm length Ø 5.0 mm	# of phases	# 3
# of Lead Wire	#3 Wires + #5 Hall Sensor	Rear Shaft	None
Rated Torque	0.25 Nm	Lead Wire Length	400 mm
Rated speed	4000 rpm	Rated power	105 W
Line to line resistance	0.28 ohm	Line to line inductance	0.54 mH
Back E.M.F. constant	3.94 Vrms/krpm	Torque constant	0.0376 Nm/A
Peak torque	0.75 Nm	Peak current	20 Amps
Rated voltage	24 Vdc	Rotor inertia	96 g.cm²
Continuous stall torque	0.300 Nm	Hall effect angle	120 electrical degrees
Insulation class	B	Number of Hall sensors	3

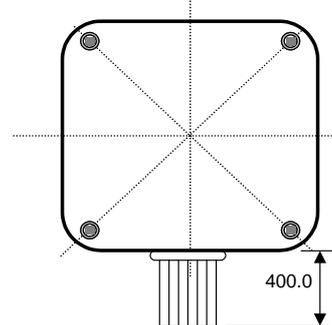
Mechanical drawings



Connection lead wires color diagram

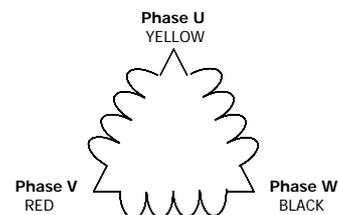
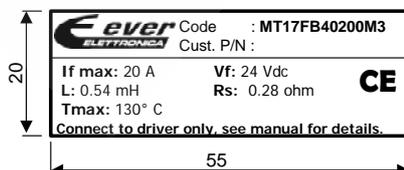
Lead # and pin-out	Lead Gauge	Lead Color	Lead Function	Description
1	UL1007 26AWG	Yellow	Vcc	Supply voltage for Hall sensor
2		Blue	Hall A	
3		Orange	Hall B	
4		Brown	Hall C	
5		White	GND	Ground for Hall sensor
6	UL1007 20AWG	YELLOW	Phase U	
7		RED	Phase V	
8		BLACK	Phase W	

Rear flange and cabling



Motor Labelling

Label type: alluminum adhesive label



	MOTOR SPECIFICATION: STM00639	DATE: March, 9th 2009	CUSTOMER APPROVAL: _____
	EVER P/N: MT17FB40200M3		CUSTOMER CODE: _____