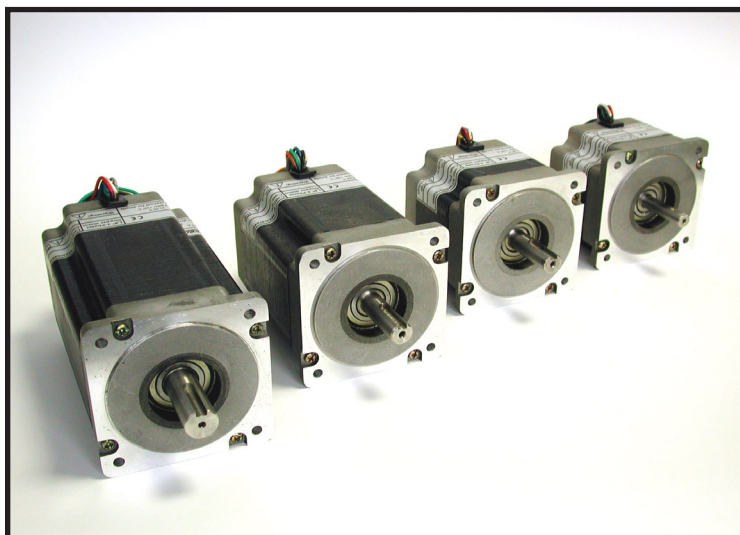




MT34FN

High torque 3.4" (86 mm) flange step motors

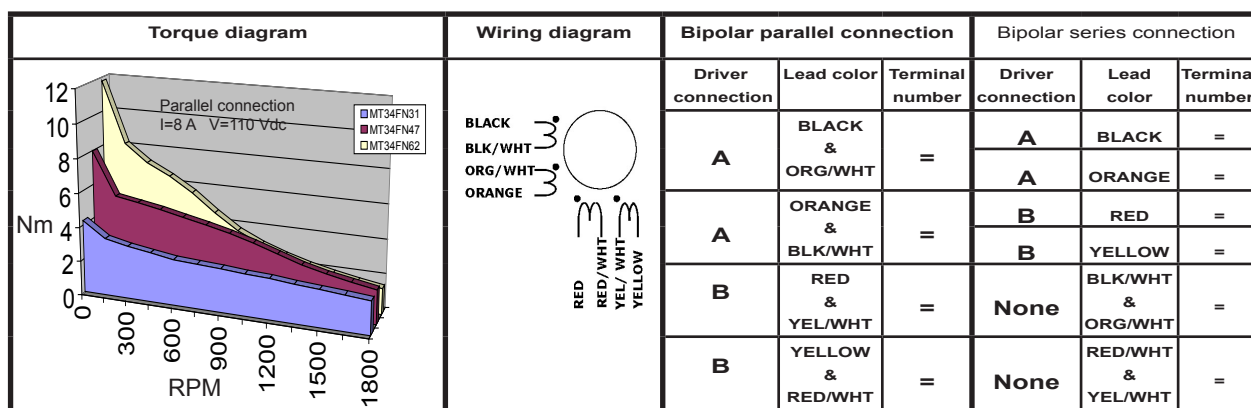
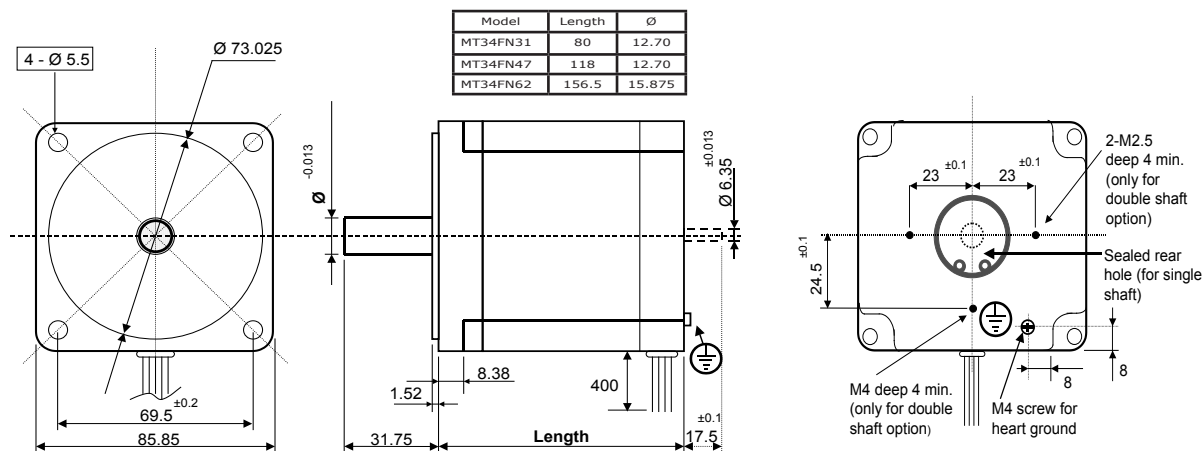
Specification	MT34FN31		MT34FN47		MT34FN62		
	042x8yy	060x8yy	035x8yy	060x8yy	035x8yy	060x8yy	
Phase voltage	<i>Vdc</i>	3.36	2.34	4.45	3.12	6.13	4.20
Phase current	<i>A</i>	4.20	6.00	3.50	6.00	3.50	6.00
Phase resistance	<i>Ohm ±10%</i>	0.80	0.39	1.30	0.54	1.80	0.70
Phase inductance	<i>mH±10%</i>	4.00	1.70	8.30	3.00	12.00	4.80
Bipolar holding torque	<i>Nm±10%</i>	4.50		8.50		12.50	
Rotor inertia	<i>g.cm²</i>	1400		2700		4000	
Detent torque	<i>Nm</i>	0.13		0.25		0.38	
Max. radial force	<i>N</i>	220					
Max. axial force	<i>N</i>	60					
Step angle		1.8° ±5%					
Front shaft diameter	<i>mm</i>	12.7				15.875	
Rear shaft diameter (on request)	<i>mm</i>	6.35					
Terminal or lead wires		8 lead wires of 400 mm					
Protection		IP30 (IP54 for motor with terminal box option)					
Ambient temperature	<i>° C</i>	- 40 ~ + 55					
Insulation class	<i>° C</i>	B, 130					
Dimensions	<i>mm</i>	86 x 86 x 80		86 x 86 x 118		86 x 86 x 156	
Weight	<i>Kg</i>	2.30		3.80		5.30	

x = M (single shaft) or B (double shaft).

yy = see available options lists.

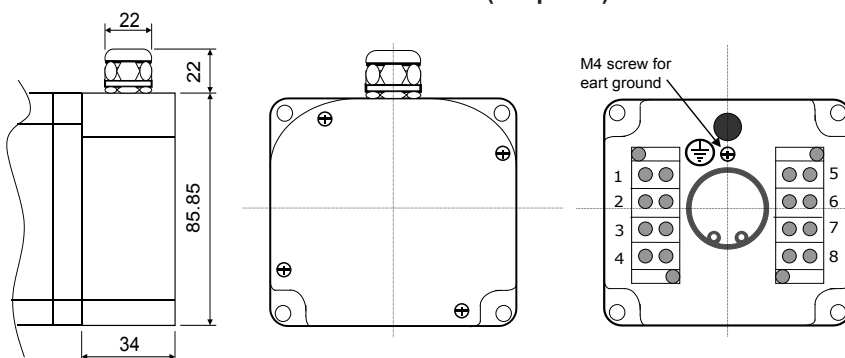
MT34FN

Front flange and frame Dimensions in mm

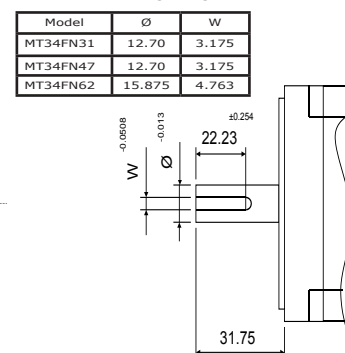


Options

Rear terminal box (L option)



Front shaft keyway (K option)



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