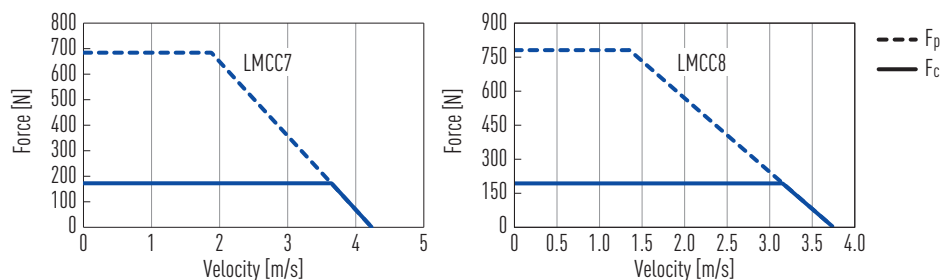


Specifications

Force-velocity curves (DC bus voltage: 330 VDC)

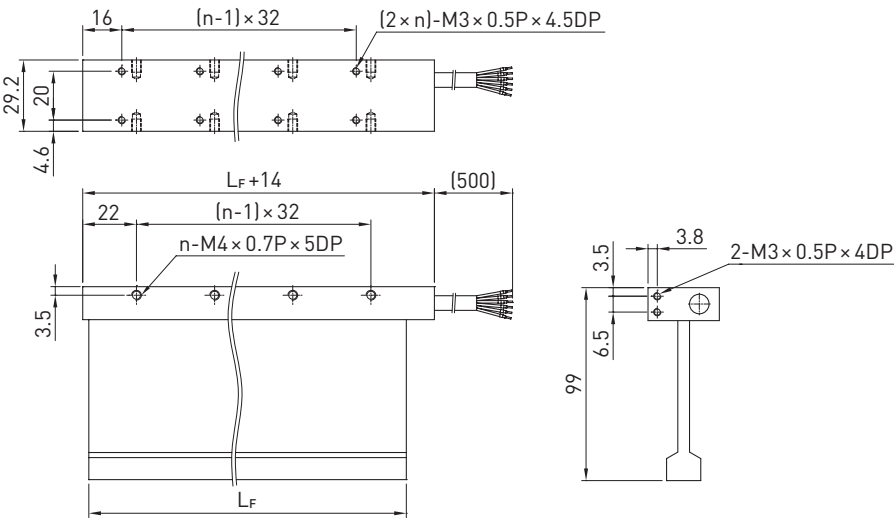


Technical data for LMCC				
	Symbol	Unit	LMCC7	LMCC8
Forces and electrical parameters				
Continuous force at T _{max}	F _C	N	171	195
Continuous current at T _{max}	I _c	A _{eff}	2.0	2.0
Peak force (for 1 s)	F _p	N	684	780
Peak current (for 1 s)	I _p	A _{eff}	8.0	8.0
Force constant	K _f	N/A _{eff}	85.4	97.5
Electrical time constant	K _e	ms	0.3	0.3
Resistance ¹⁾	R ₂₅	Ω	15.8	18.2
Inductance ¹⁾	L	mH	5.5	6.3
Back EMF constant	K _u	V _{eff} /(m/s)	45.4	51.9
Motor constant	K _m	N/√W	17.6	18.7
Thermal resistance	R _{th}	°C/W	0.63	0.55
Thermal switch			3 PTC SNM 100 in series	
Max. DC bus voltage		V	330	
Mechanical parameters				
Max. bending radius of motor cable	R _{bend}	mm	37.5	
Pole pair pitch	2τ	mm	32	
Max. winding temperature	T _{max}	°C	100	
Mounting holes (forcer)	n		7	8
Weight of forcer	M _F	kg	0.74	0.76
Length of forcer	L _F	mm	226	258
Unit mass of stator	M _S	kg/m	21	
Length of stator/Dimension N	L _S	mm	128 mm/N = 2; 320 mm/N = 5	

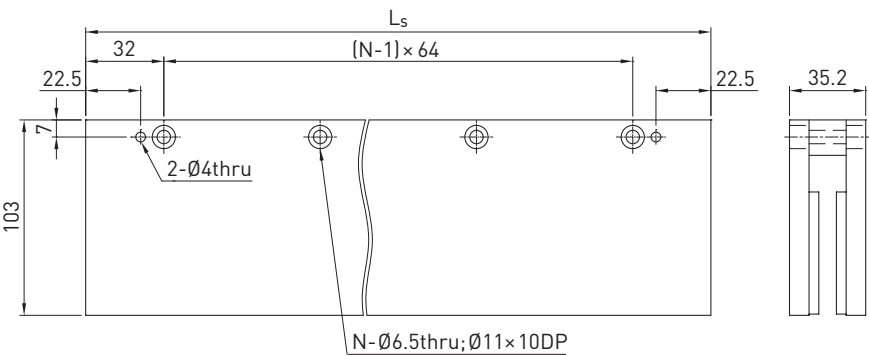
All the specifications in the table (except dimensions) are in $\pm 10\%$ of tolerance at 25 $^{\circ}C$ ambient temperature

¹⁾ Line to line

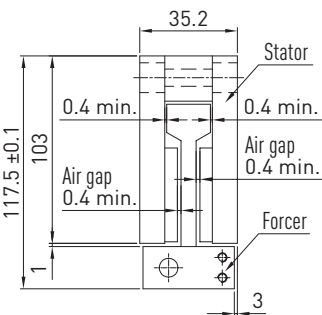
Dimensions of forcer



Dimensions of stator



Mounting tolerances



LMCC motor cable assignment		
Motor cable	Signal	Diameter [mm]
Brown	U	7.5
White	V	
Grey	W	
Black	GND	
Yellow	T+	
Green	T-	