

Linear Three Phase Brushless Ironless Motor

FORCER LBF-032-048-241-01			
PERFORMANCE			
Intermittent Force @ 10% Duty Cycle	81.0	lb	
	360.4	N	
Continuous Force @ 25 °C	25.6	lb	
	113.9	N	
Continuous Force @ Tmax	21.8	lb	
	97.0	N	
Continuous Power	95	W	
Motor Constant	2.6	lb/ W ^{0.5}	
	11.7	N/ W ^{0.5}	
ELECTRICAL SPECIFICATIONS			
	Wye	Delta	
Peak Current @ 10% Duty Cycle	6.2	10.7	A
Continuous Current @ Tmax	1.7	2.9	A
Force Constant	13.1	7.6	lb/A
	58.3	33.4	N/A
Back EMF	1.5	0.8	V/in/s
	58.3	33.4	V/m/s
Resistance @ 25 °C	24.9	8.3	Ohm
Inductance @ 1 KHz	8.7	2.9	mH



MECHANICAL SPECIFICATIONS		
Coil Assembly Mass	1.52	lb
	0.69	N
Magnetic Cogging Force	0	lb
	0	N
Magnetic Cogging Force	110	°C
Electrical Cycle Length	1.6	in
	40.6	mm
ELECTRICAL SPECIFICATIONS		
Thermal Time Constant	3	min
Thermal Resistance	2.24	°C/W

MAGNETIC TRACK LBM-032-057-XXX-01		
DIMENSIONS		
Width	1.25	in
	32	mm
Height	2.25	in
	57	mm
Length		
LBM-032-057-121-01	4.75	in
	121	mm
LBM-032-057-243-01	9.55	in
	243	mm
LBM-032-057-365-01	14.35	in
	365	mm
LBM-032-057-608-01	23.95	in
	608	mm
Mass		
All Models	0.58	lb/in
	10.3	Kg/m

xxx denotes the track length in mm. Available options are 121, 243, 365 and 608 mm.

Specifications are subject to change without notice.



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