

Model	Units	AVM 90-30
Stroke	mm	30
Force sensitivity (at mid stroke)	N/A	22.50
Back EMF constant	V/m/s	22.50
Continuous force (at 100 °C) ¹	N	89.10
Peak force	N	315.0
Resistance ²	ohms	2.7
Inductance ²	mH	3.20
Voltage at peak force	V	37.8
Continuous current (coil at 100 °C)	A	4.0
Peak current	A	14.00
Actuator constant	N/SqRt(W)	13.69
Continuous power	W	42.34
Electrical time constant	ms	1.19
Mechanical time constant	ms	4.37
Clearance of coil	mm	0.65
Power at peak force	W	529.2
Thermal dissipation constant	W/°C	0.565
Max coil temperature	°C	100.0
Coil assembly mass	g	820.0
Core assembly mass	g	1750.0

1. Continuous force measured without any additional mounting plate or heat sink on coil
2. measured at 25 °C

AVM90-30

