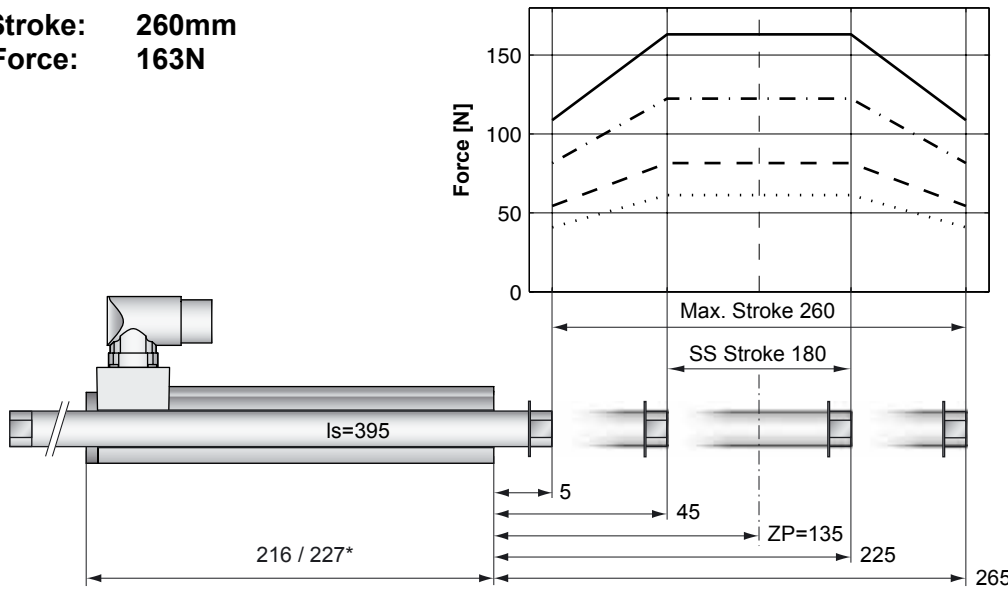


Max. Stroke: 260mm
Peak Force: 163N



Standard Winding:
 — E1100-HC, 72VDC
 - - E1100, 72VDC
 - · - E1000, 72VDC
 ····· E100, 48VDC

Dimensions in mm
 *Cable Type

Motor Specification

P01-		Connector Type	Cable Type
		37x120/180x260-C	37x120/180x260 37x120/180x260-C20
Stroke Max.	mm (in)	260 (10.24)	260 (10.24)
Stroke SS	mm (in)	180 (7.09)	180 (7.09)
Peak Force E100/1000	N (lbf)	61/122 (13.8/27.5)	61/122 (13.8/27.5)
Peak Force E1100-HC	N (lbf)	82/163 (18.3/36.7)	82/163 (18.3/36.7)
Cont. Force	N (lbf)	30 (6.7)	30 (6.7)
Cont. Force Fan cooling	N (lbf)	54 (12.1)	54 (12.1)
Border Force	%	67	67
Force Constant	N/A (lbf/A)	20.4 (4.59)	20.4 (4.59)
Max. Current @ 72VDC	A	8.0	8.0
Max. Current @ 48VDC	A	6.0	6.0
Max. Velocity @ 72VDC	m/s (in/s)	3.2 (128)	3.2 (128)
Max. Velocity @ 48VDC	m/s (in/s)	2.2 (85)	2.2 (85)
Phase Resist. 25/80 °C	Ohm	6.2/7.5	6.2/7.5
Phase Inductance	mH	3.5	3.5
Thermal Resistance	°K/W	3.6	3.6
Thermal Time Const.	sec	2800	2800
Stator Diameter	mm (in)	37 (1.46)	37 (1.46)
Stator Length	mm (in)	216 (8.50)	227 (8.94)
Stator Mass	g (lb)	740 (1.63)	740 (1.63)
Slider Diameter	mm (in)	20 (0.79)	20 (0.79)
Slider Length	mm (in)	395 (15.55)	395 (15.55)
Slider Mass	g (lb)	829 (1.83)	829 (1.83)
Position Repeatability	mm (in)	±0.05 (±0.0020)	±0.05 (±0.0020)
Linearity	%	±0.2	±0.2
Position Rep. with ES	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)
Linearity with ES	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)

Position-Time Diagram

