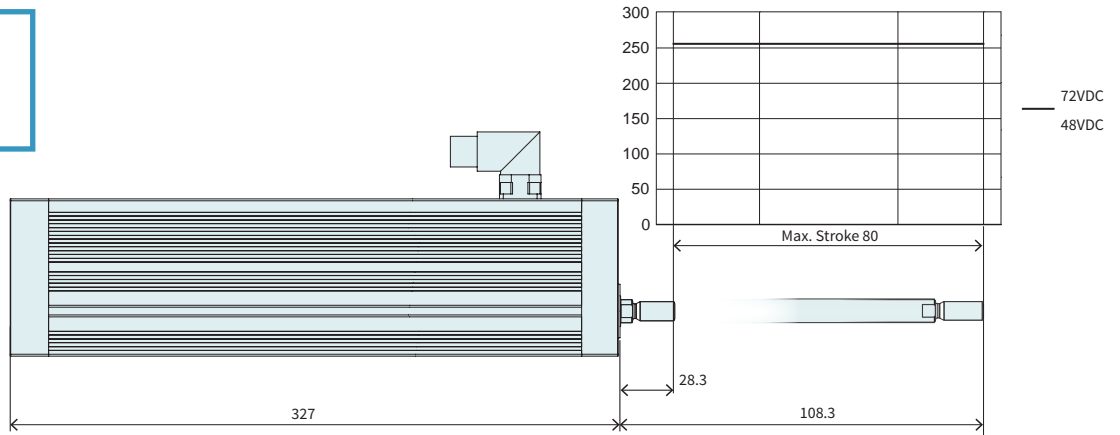


P04-37x120F/80-HP-R

Max. Stroke: 80 mm
Peak Force: 255 N

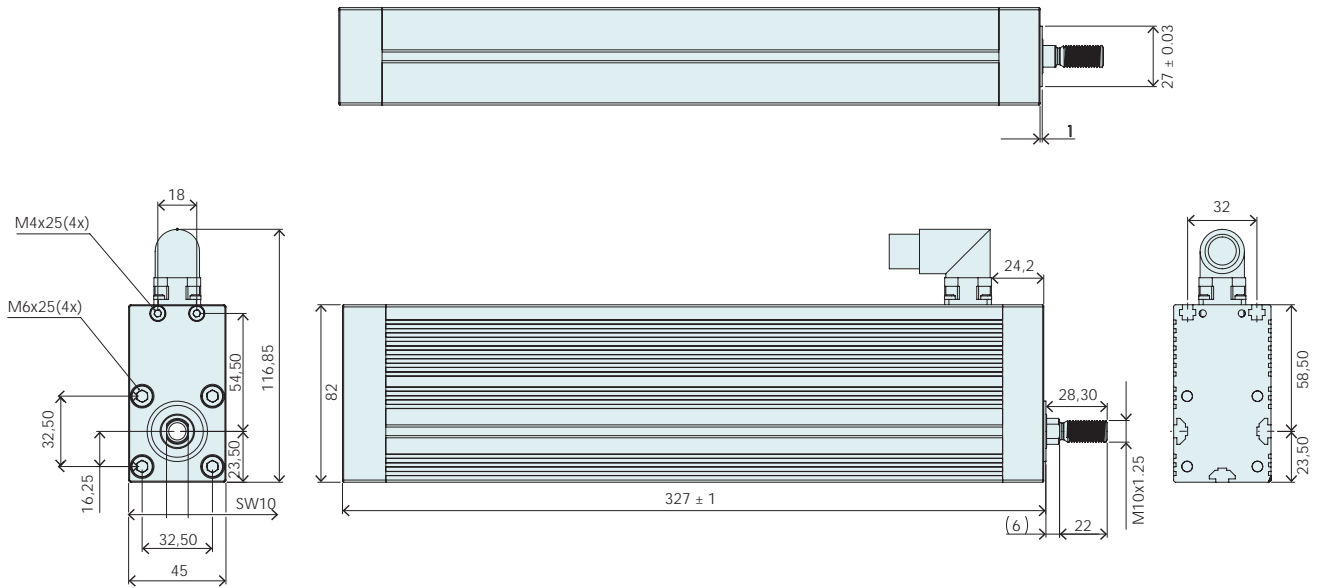


Dimensions in mm

Technical Data P04-37x120F/80-HP

Stroke			
Max. Stroke	mm (in)	80 (3.14)	
Force			
Max. Force @ 48VDC	N (lbf)	255 (57.3)	
Max. Force @ 72VDC	N (lbf)	255 (57.3)	
Max. Cont. Force [Passive cooling / Fan / Fluid]	N (lbf)	63 / 93 / - (14 / 21 / -)	
Force Constant	N/A _{pk} (lbf/A _{pk})	17 (3.82)	
Velocity			
Max. Velocity @ 48VDC	m/s (in/s)	2.5 (99.9)	
Max. Velocity @ 72VDC	m/s (in/s)	3.8 (149.9)	
Position Detection			
Position Resolution	mm (in)	0.005 (0.0002)	
Repeatability	mm (in)	±0.05 (±0.002)	
Linearity	%	± 0.4	
Electrical Data			
Max. Current @ 48VDC	A _{pk}	14.9	
Max. Current @ 72VDC	A _{pk}	14.9	
Max. Cont. Current [Passive cooling / Fan / Fluid]	A _{pk}	3.7 / 5.5 / -	
Terminal Resistance 25 °C / 150 °C	Ohm	2.4 / 3.5	
Terminal Inductivity	mH	1.6	
Magnetic Period	mm (in)	40	(1.57)
Thermal Data			
Max. Winding Temperature (Sensor)	°C	120	
Thermal Resistance [Passive cooling / Fan / Fluid]	°K/W	1.7 / 0.78 / -	
Thermal Time Constant [Passive cooling / Fan / Fluid]	s	680 / 310 / -	
Mechanical Data			
Stator Width	mm (in)	45 (1.77)	
Stator Height	mm (in)	82 (3.23)	
Stator Length	mm (in)	327 (12.88)	
Stator Mass	g (lb)	2365 (5.2)	
Rod Diameter	mm (in)	16 (0.63)	
Rod Mass	g (lb)	507 (1.12)	
Max. shear force to the rod	N (lbf)	60 (13.5)	
Max. torque to the rod	Nm (lbf·in)	1 (8.93)	
IP Code		IP 65	

MOTOR

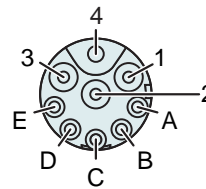


Item	Description	Item-No.
P04-37x120F/80-HP-R	Linear motor P04-37, 80 mm Stroke	0150-2756

CONNECTOR

Motor Connector Wiring	R-Connector	Wire Color Motor Cable
	Ph 1+	1
Ph 1-	2	pink
Ph 2+	3	blue
Ph 2-	4	grey
+5VDC	A	white
GND	B	Inner Shield
Sinus	C	yellow
Cosinus	D	green
Temp.	E	black
Shield	Case	Outer Shield

R-Connector



View: Motor connector, plug on



SERVICIO TÉCNICO, CONSULTORÍA, TRAINING Y CANAL DE VENTA OFICIAL

Instalaciones centrales

Francisco Aristeguieta Centro Tecnológico (F.A.C.T.)
GI-3162 (Zarautz – Urdaneta) km 2,2
E-20809 AIA (Gipuzkoa), Spain

www.larraioz.com

Tel. (+34) 943 140 139
Fax. (+34) 943 140 327
E-mail. info@larraioz.com



Instalaciones en Getaria

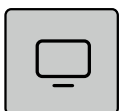
Larraioz Etxea, Eizaga Auzoa,
Garate Mendi E-20808
GETARIA (Gipuzkoa), Spain

Instalaciones América Latina

Carlos Calvo 2480, B8000XAV
Buenos Aires (Buenos Aires),
Argentina

Dirección postal

Larraioz Electrónica Industrial,
S.L. Apartado de Correos
193 E-20800 ZARAUTZ
(Gipuzkoa), Spain



Mechatronics & Robotics



Industrial Automation



Industry 4.0



Vision