OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

NAFSA - ERC SERIES

ERC60-20/C



- Pull / push design, with optional spring
- Class B winding (130ºC)
- Duty cycle 0 to 100%
- Up to 191N force
- Customer specific version available

PRODUCT DESCRIPTION

The ERC series of electromagnets are a double acting push/pull solenoid.

When an electrical connection is made to to coil, the plunger moves through the magnetic field and pushes the shaft along its designated stroke.

Upon removing the electrical connection, the shaft remains in position and is returned with reverse polarity or optional return spring.

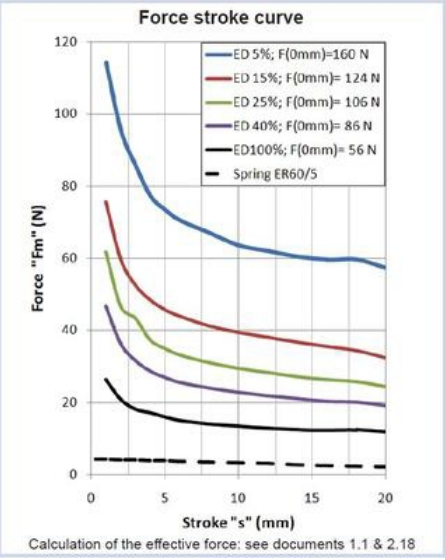
Many different standard versions are available (please see catalogue PDF below) and application specific designs can be provided for larger volume requirements.

TECHNICAL DATA

Absorbed power @ 20°C, 100% duty	8 W
Absorbed power @ 20°C, 15% duty	110 W
Absorbed power @ 20°C, 25% duty	70 W
Absorbed power @ 20°C, 40% duty	45 W
Absorbed power @ 20°C, 5% duty	280 W
Beginning of stroke force at 100% duty	11 N
Beginning of stroke force at 15% duty	32 N
Beginning of stroke force at 25% duty	24 N
Beginning of stroke force at 40% duty	19 N
Beginning of stroke force at 5% duty	57 N
End of stroke force at 100% duty	56 N
End of stroke force at 15% duty	124 N

End of stroke force at 25% duty	106 N
End of stroke force at 40% duty	86 N
End of stroke force at 5% duty	160 N
Function	pull/push
Insulation class	B(130ºC)
IP class	IP00
Spring return	Yes
Stroke	20 mm
Total weight	660 g
Voltage ac max	230 V
Voltage ac min	110 V
Voltage dc max	205 V
Voltage dc min	6 V
Voltage type	AC, DC

Duty-cycle ED(%)	100	40	25	15	5
Abs. Power at 20ºC (W)	18	45	70	110	280
Minimum force (N)	11	19	24	32	57
Max time under voltage(s)	∞	120	75	45	15
Plunger weight (g)	110				
Solenoid weight (g)	660				



Calculation of the effective force: see documents 1.1 & 2.18

