

# HOW TO SELECT YOUR CANSTACK MOTOR

## SELECTION CRITERIA

- The Torque – Speed Curves are essential for selecting the right motor and control drive method for a specific application.
- Define your application load – speed required, load inertia, torque and accuracy needed.
- If the application requires no acceleration, then use the pull out torque.
- If the load is inertial (acceleration is required), it is advisable to use pull in torque.
- Motor temperature rise is important – so ambient temperature and duty cycle are important selection factors
- It is advisable to use 1.5 to 2 times the margin over the maximum torque required.
- Choosing the correct drive is important – for example micro-stepping drives will provide quieter operation.
- Our engineering team is capable of designing a special coil with resistance and inductances to suit your needs.
- Remember – if it is not in the catalog – it does not mean that we cannot provide a solution for you - Portescap may still be able to design a product for your needs as our team can draw from a wealth of customized designs created over the past 40 years.



## CANSTACK MOTOR DESIGNATION

26M048D2B

26

Motor  
Diameter  
(mm)  
15  
20  
26  
35  
42  
55

M

Rotor Dia  
S = Small  
M = Medium  
L = Large

048

Steps per  
Rev  
020: 20 ppr  
024: 24 ppr  
048: 48 ppr  
100: 100 ppr

D

Magnet Type  
B = Ferrite  
C = He Ferrite  
D = Neodymium

2

Voltage  
1 = 5 V  
2 = 12 V

B

Coil  
U = Unipolar  
B = Bipolar

