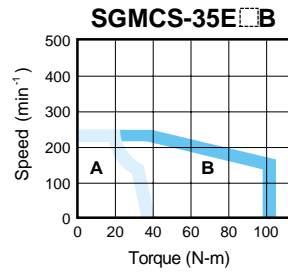
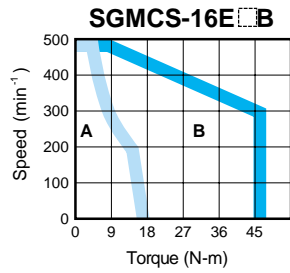
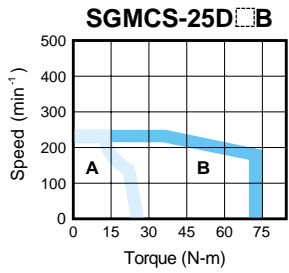
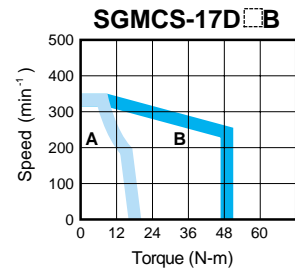
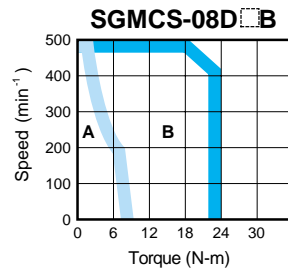
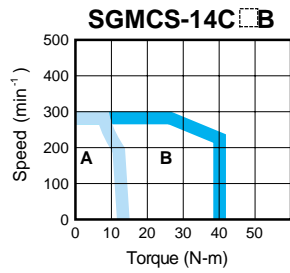
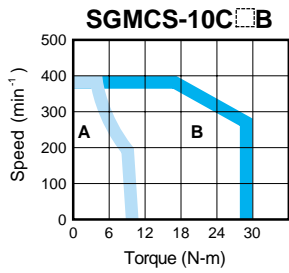
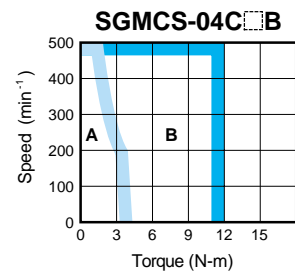
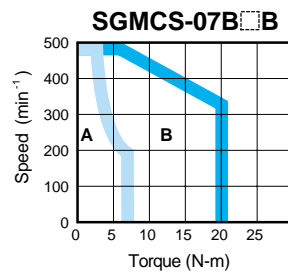
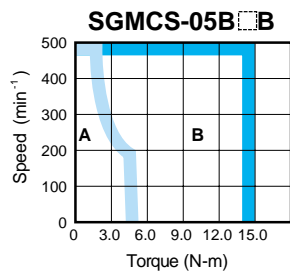
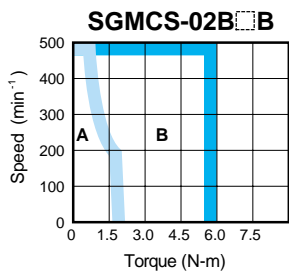


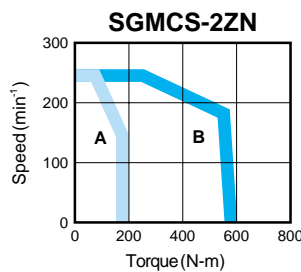
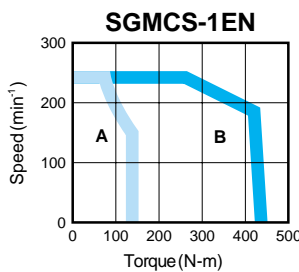
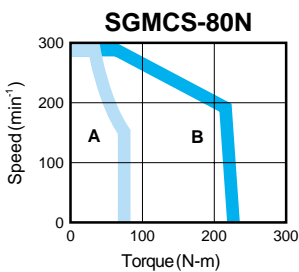
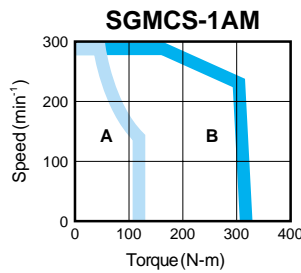
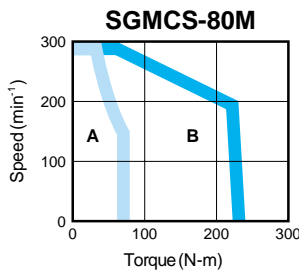
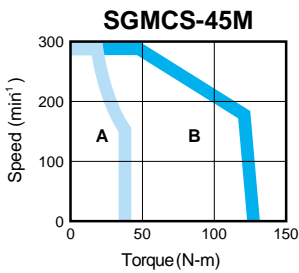
Direct Drive Motor Speed/Torque Curves

(Small-capacity)



A Continuous Duty Zone
B Intermittent Duty Zone

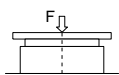
(Medium-capacity)



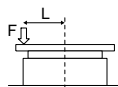
A Continuous Duty Zone
B Intermittent Duty Zone

Load Capacity

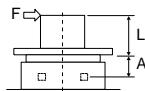
The following figures show the load capacity during motor operation. Design motors so as not to exceed the values in the table for thrust and moment loading.



Force: F
Thrust Loading: $F_a = F + \text{Load's Mass}$
Moment Loading: $M = 0$



Force: F
Thrust Loading: $F_a = F + \text{Load's Mass}$
Moment Loading: $M = F \times L$



Force: F
Thrust Loading: $F_a = \text{Load's Mass}$
Moment Loading: $M = F \times (L + A)$

(See the table on the right for height of A.)

Servomotor Type	SGMCS-:.....						
Dimension A	mm	45M	80M	1AM	80N	1EN	2ZN
Allowable Thrust Load F_a	N	9000			16000		
Allowable Moment Load M	N·m	180			350		