

# Mechanical Data Application Engineering

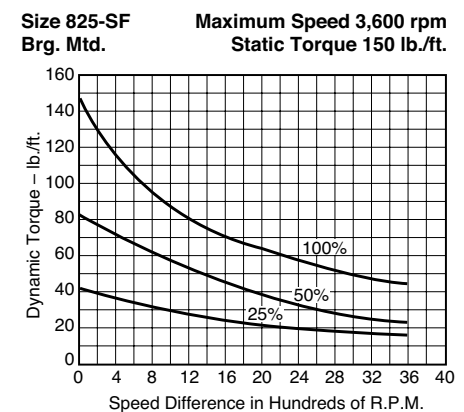
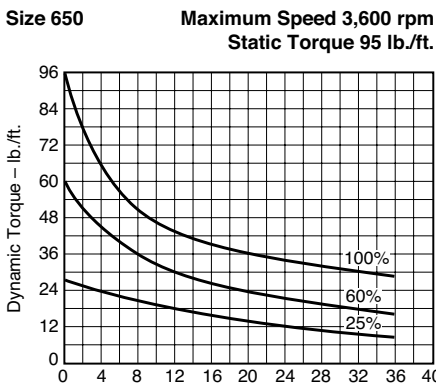
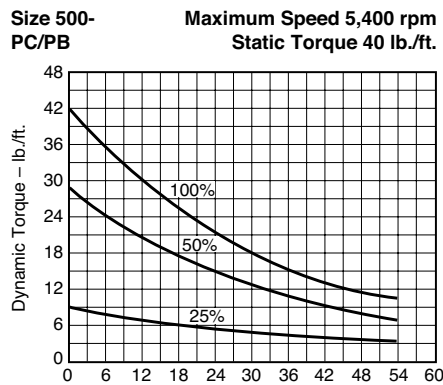
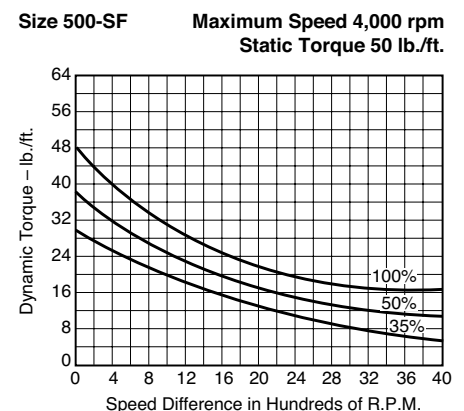
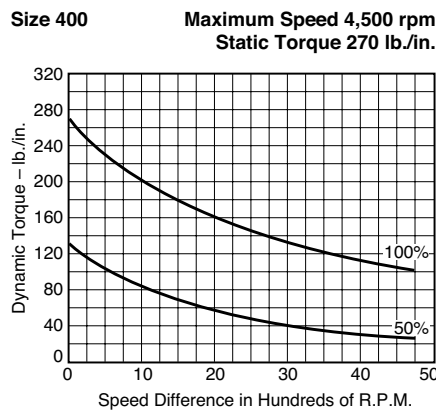
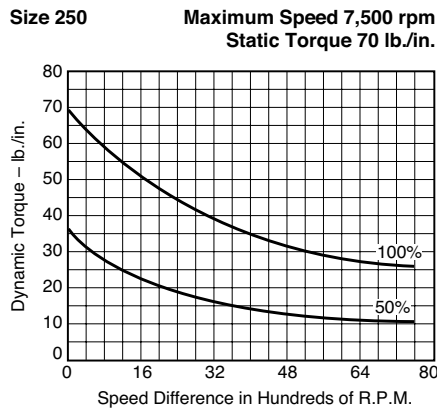
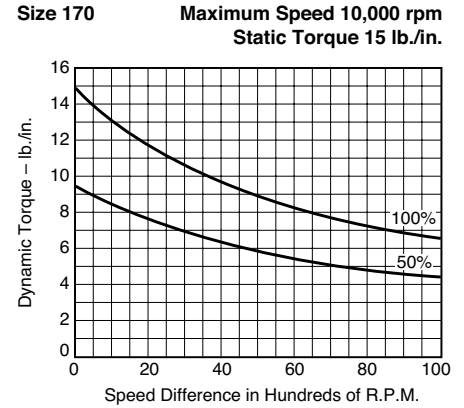
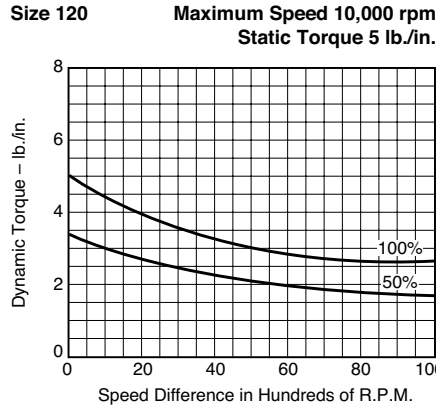
## Dynamic Torque

### NOTES:

Speed difference means the difference in speed between one friction face and the other at the moment of engagement. The intersection of the top curve and the speed difference is the maximum torque produced by the unit. When both friction faces are engaged and rotating at the same speed, the unit is said to be locked-in and produces the maximum static torque (zero speed difference).

The % lines indicate the percentage of full voltage being used. Example: If 90 volt unit runs at 45 volts, use the 50% line.

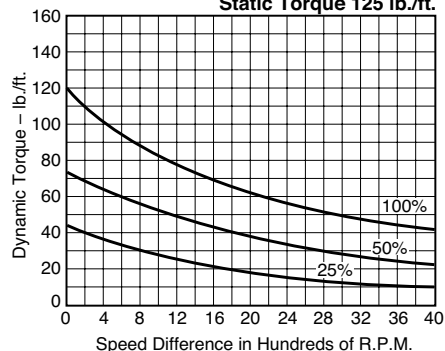
Average Torque = Dynamic Torque at  $1/2$  operating speed. Example: If operating speed is 1800, use dynamic torque at 900.



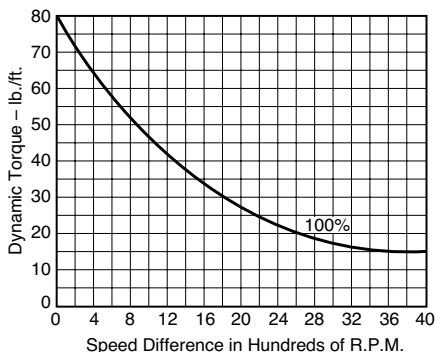
**NOTE:** Torque values are in inch lbs. for size 400 and smaller, and in ft.lbs. for size 500 and larger.

## Dynamic Torque

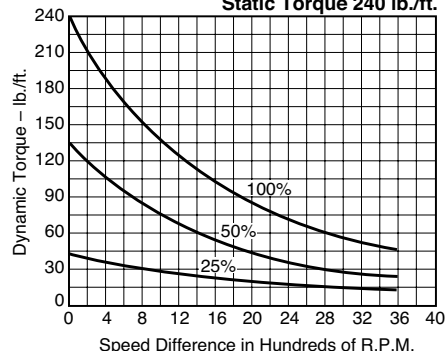
**Size 825** Maximum Speed 4,000 rpm  
Electro-Pack 3,600 rpm  
Static Torque 125 lb./ft.



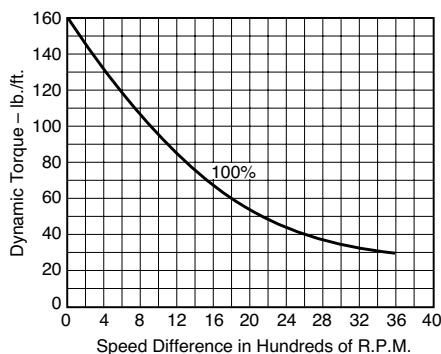
**Size 825-MB** Maximum Speed 4,000 rpm  
Static Torque 80 lb./ft.



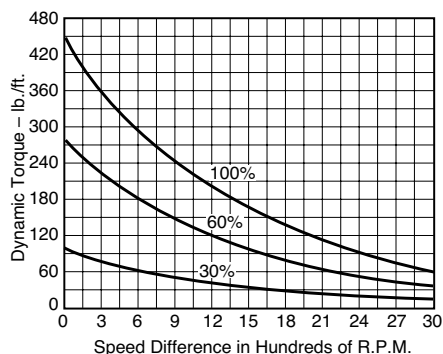
**Size 1000** Maximum Speed 3,600 rpm  
Electro-Pack 3,000 rpm  
Static Torque 240 lb./ft.



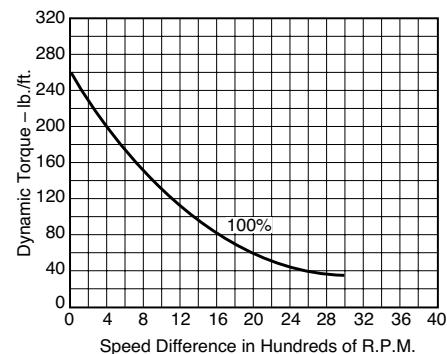
**Size 1000-MB** Maximum Speed 3,600 rpm  
Static Torque 160 lb./ft.



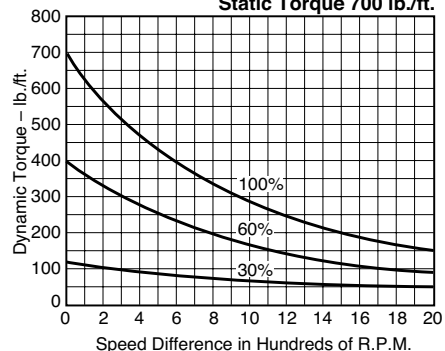
**Size 1225** Maximum Speed 3,000 rpm  
Static Torque 465 lb./ft.



**Size 1225-MB** Maximum Speed 3,000 rpm  
Static Torque 260 lb./ft.



**Size 1525** Maximum Speed 2,000 rpm  
Electro-Pack 1,800 rpm  
Static Torque 700 lb./ft.



**Size 1525-Hi Torque** Maximum Speed 2,000 rpm  
Static Torque 1,350 lb./ft.

