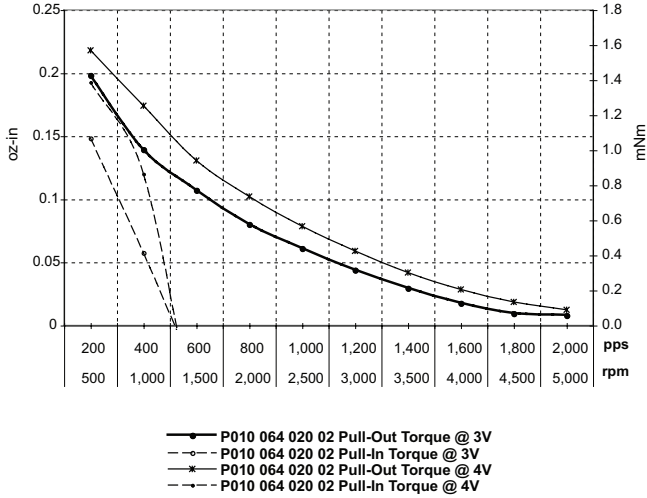
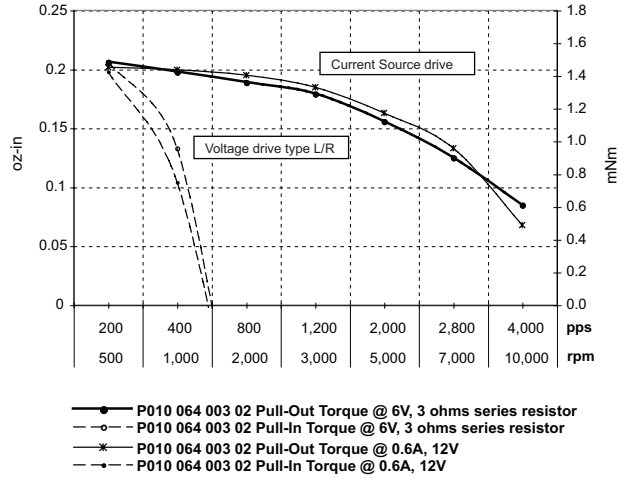


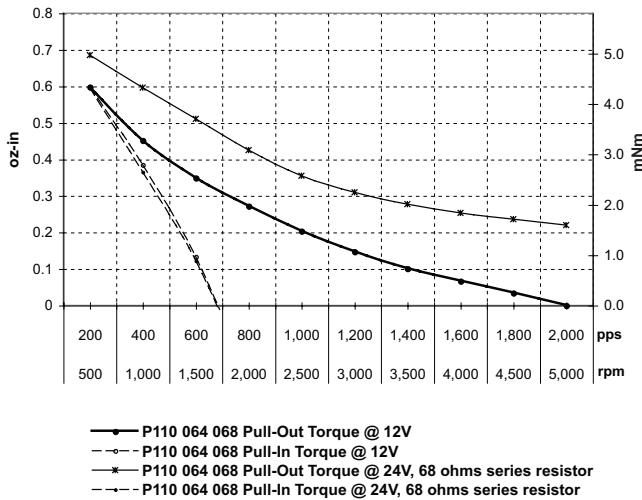
P010 064 020 02
Torque vs Speed
Full step, bipolar voltage drive



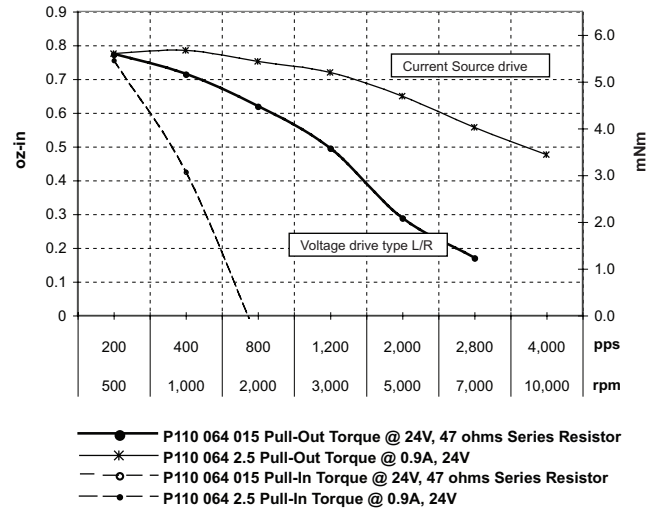
P010 064 003 02
Torque vs Speed
Full step, bipolar voltage/current drive



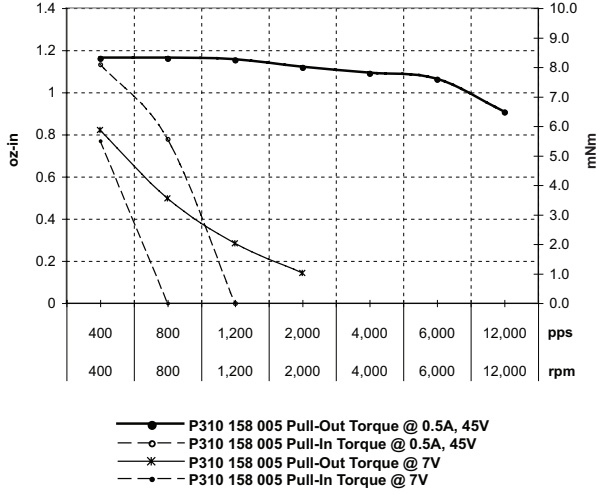
P110 064 068
Torque vs Speed
Full step, bipolar voltage drive



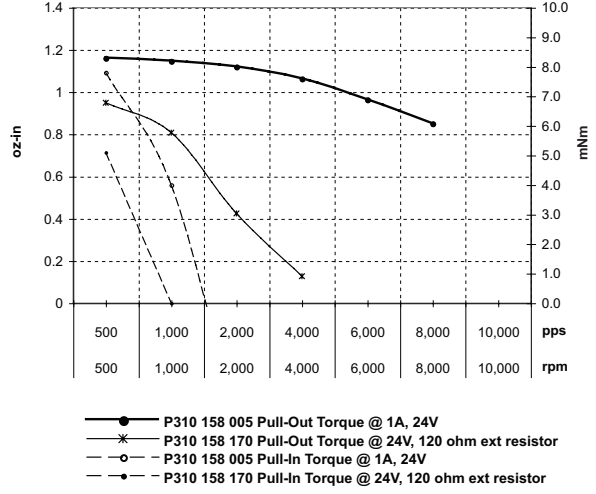
P110 064 015 / P110 064 003
Torque vs Speed
Full step, bipolar voltage



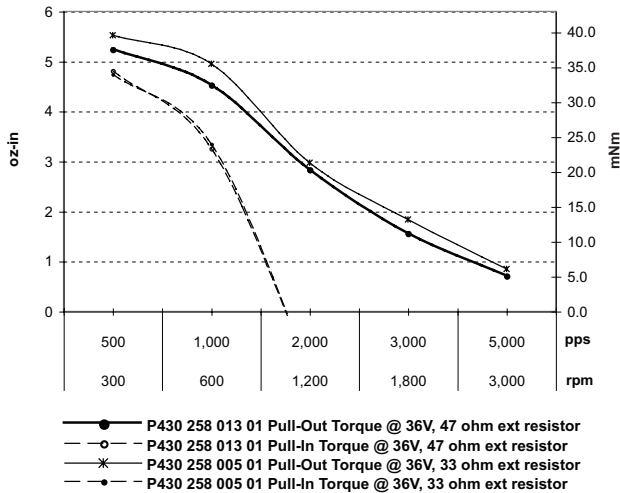
**P310 158 005, P310 158 170 Series
Torque vs Speed
Full step, bipolar voltage drive**



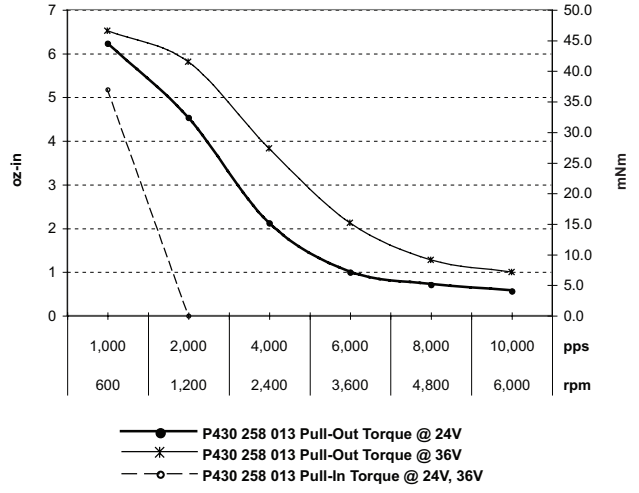
**P310 158 005, P310 158 170 Parallel
Torque vs Speed
Full step, bipolar voltage drive**



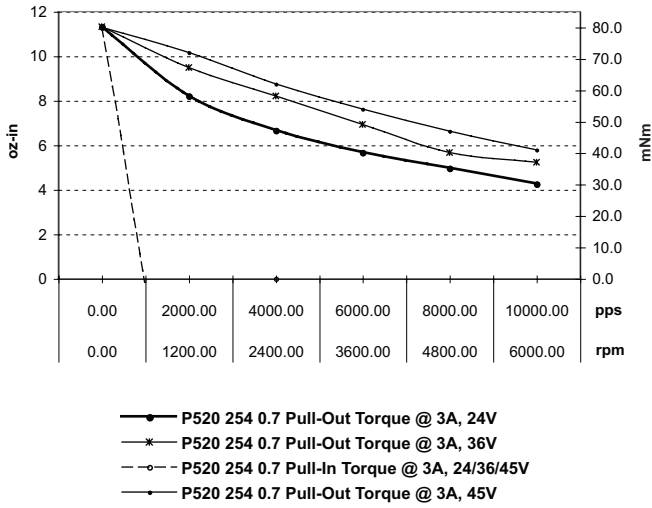
**P430 258 013, P430 258 005 Series
Torque vs Speed
Full step, bipolar voltage drive**



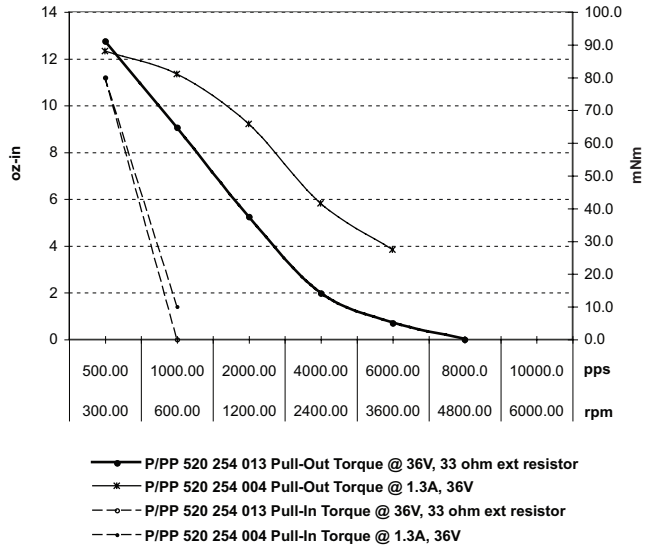
**P430 258 013 Parallel
Torque vs Speed
Full step, bipolar voltage drive**



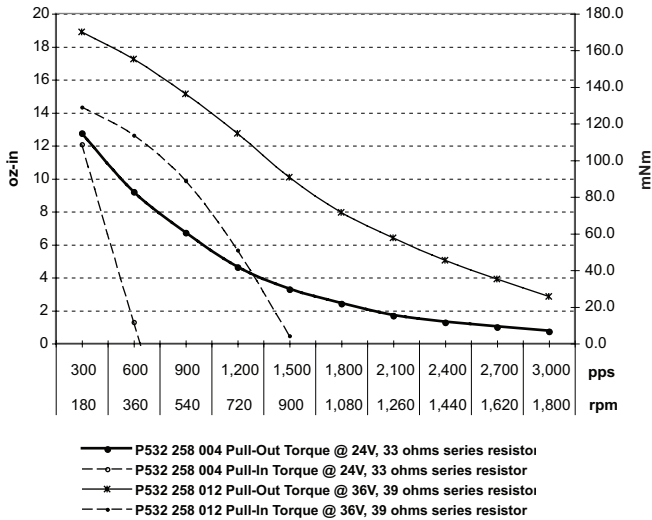
P520 254 0.7
Torque vs Speed
 vdc, half step, bipolar voltage drive



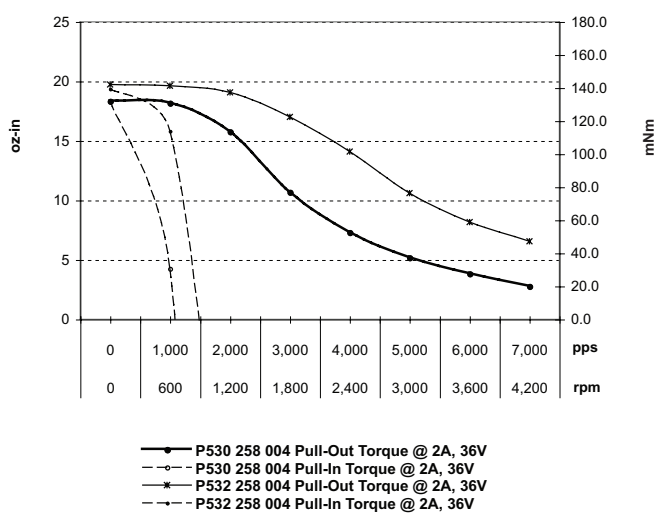
P/PP 520 254 013, P/PP 520 254 004 Series
Torque vs Speed
 36 vdc, half step, bipolar voltage drive



P532 258 004, P532 258 012 Series
Torque vs Speed
 Full step, bipolar voltage drive



P530 258 004, P532 258 004 Parallel
Torque vs Speed
 Full step, bipolar voltage drive



Motor and sensor phase signals in electrical degrees for PP520
(CW operation as viewed from front of motor)

