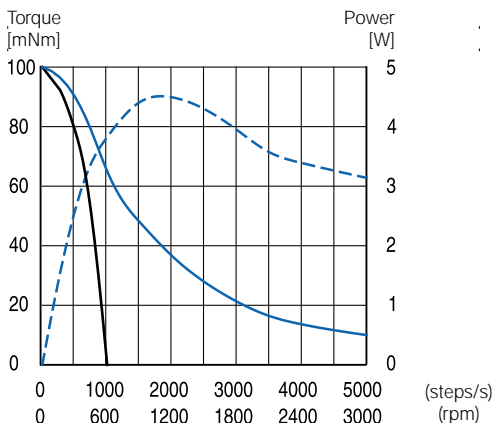
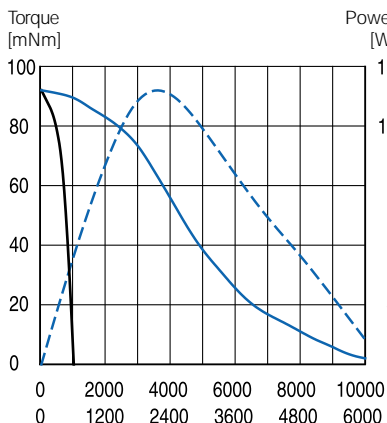




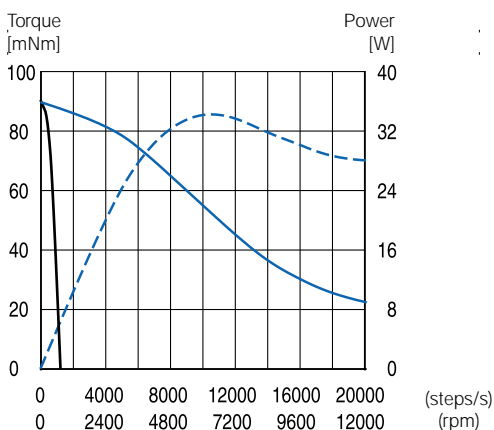
**PP520-258-013**  
Voltage driver type L/R  
33Ω in Serie, 36V



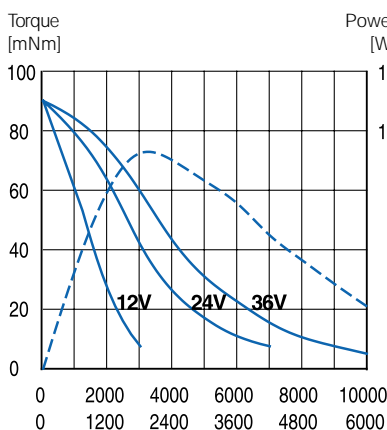
**PP520-258-004**  
escap® ESD-1200,  
U = 36V



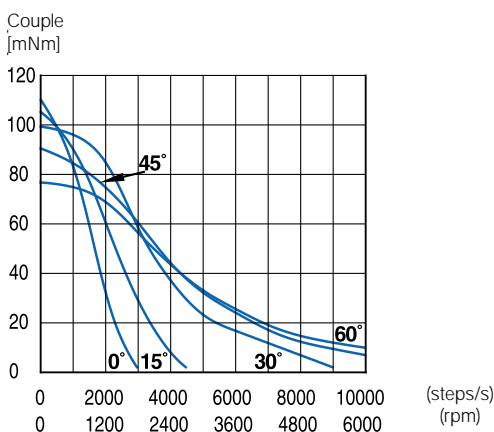
**PP520-258-0.7**  
escap® ESD-1300,  
U = 36V



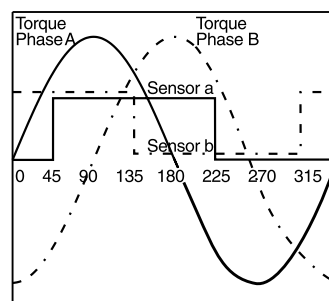
**PP520-258-004**  
Autocommutation mode  
Phase advance 45°



**PP520-258-004**  
Autocommutation mode  
Parameter phase advance  
U = 36V

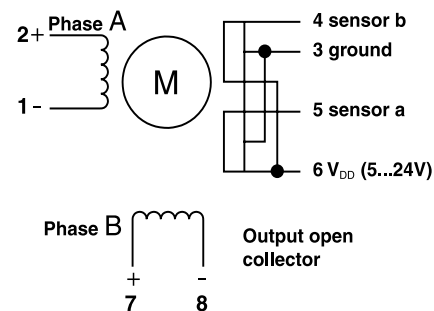


Torque and sensor signals phase shift  
in electrical degrees  
CW operation.



Pull-in is measured with a load inertia equal to the rotor inertia.

— Pull-in range  
— Pull-out range  
- - - Power output



Motor connections

Executions available from stock :

- 01 see drawing
- 01 for gearbox [RG1/9](#)

The PP520 motor is also available with the K40 gearbox.

Particular versions include options such as special shafts (hollow shaft), other gearboxes and so on.

### Notes

The speed scale is indicated in full-steps/s for all drive modes. The motor is driven in half-steps unless otherwise specified.

The motor is energised with nominal current unless otherwise specified.

With the integrated Hall sensors, the PP520 motor can operate as a stepper motor with confirmation of step execution. With an adequate drive circuit it can also position, with the automatic commutation assuring full torque usage.

The following drive circuits are recommended with the PP520 motor, depending on the drive mode and the dynamic performance required: ESD-1200/1300, DM224-i.

The DEM 31 and DEM 32 circuits allow to demonstrate the use of the PP520 motor in brushless DC mode.

Availability: see enclosed document at the end of the catalogue

Specifications subject to change without prior notice