

Servomotori sincroni MCS

Curve di coppia



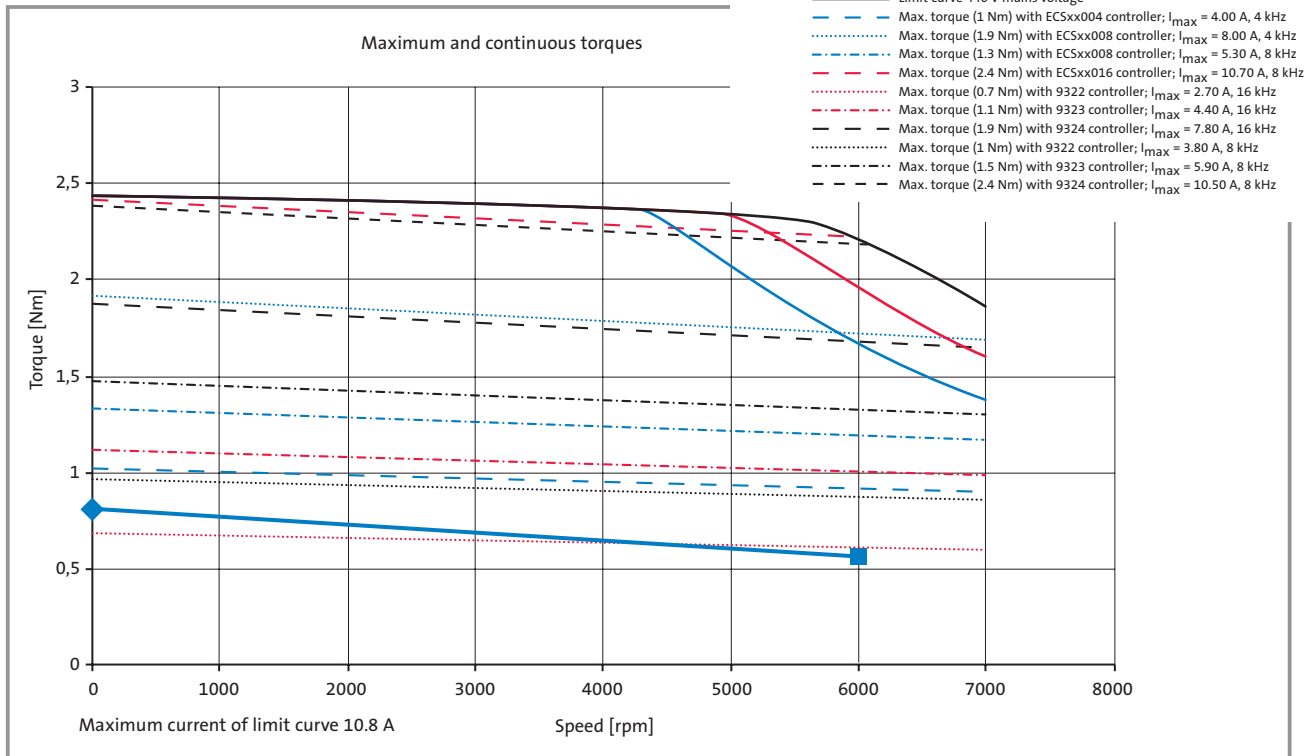


Technical data

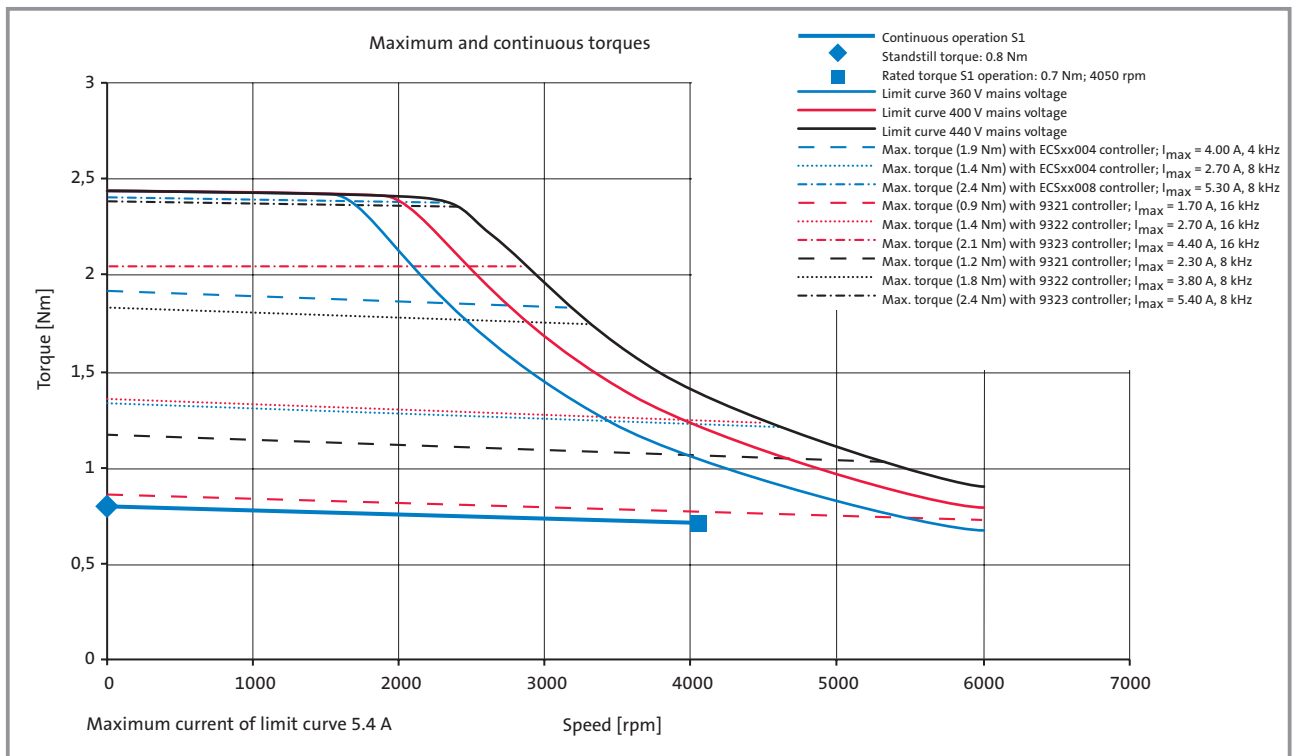
MCS 06 synchronous servo motors

Torque characteristics

MCS 06C60



MCS 06C41



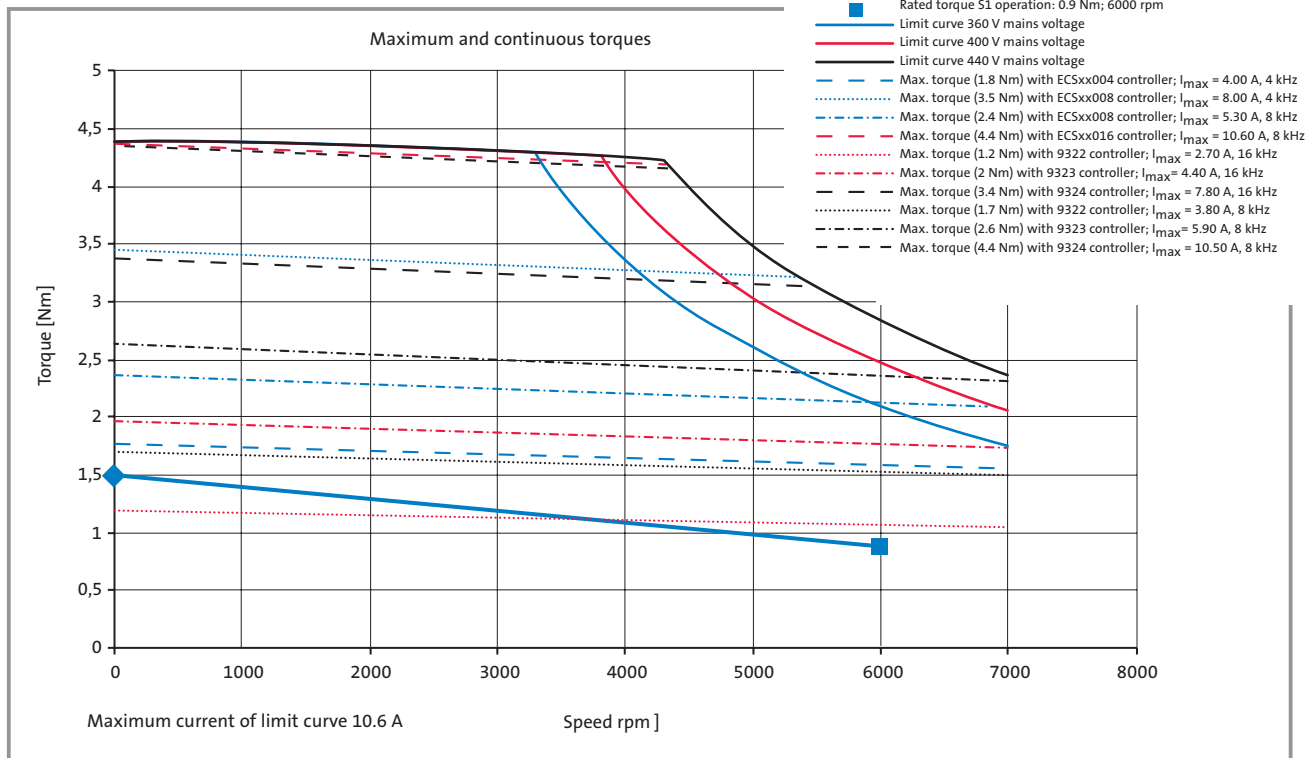
At speeds < 75 rpm servo controller derating may need to be taken into account. See "Servo controller assignment" tables.

Technical data

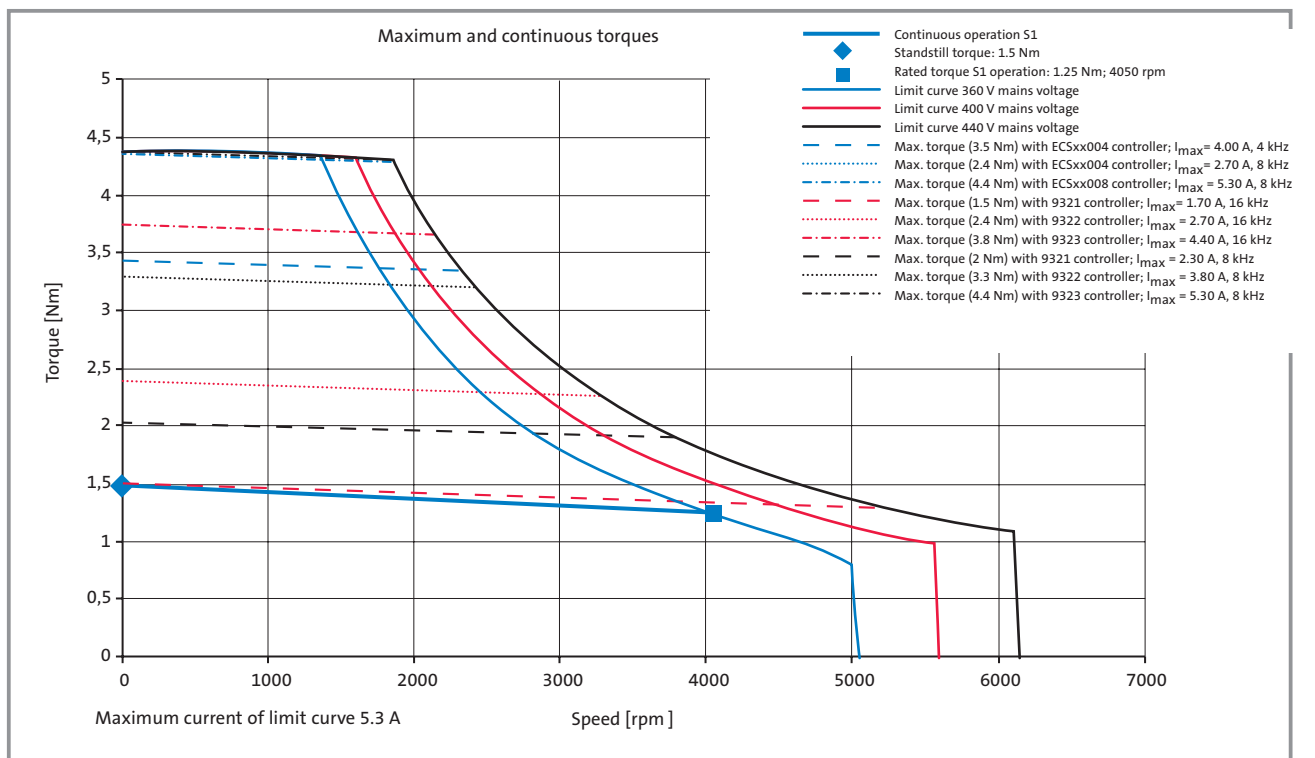
MC 06 synchronous servo motors



MCS 06F60



MCS 06F41



At speeds < 75 rpm servo controller derating may need to be taken into account. See "Servo controller assignment" tables.

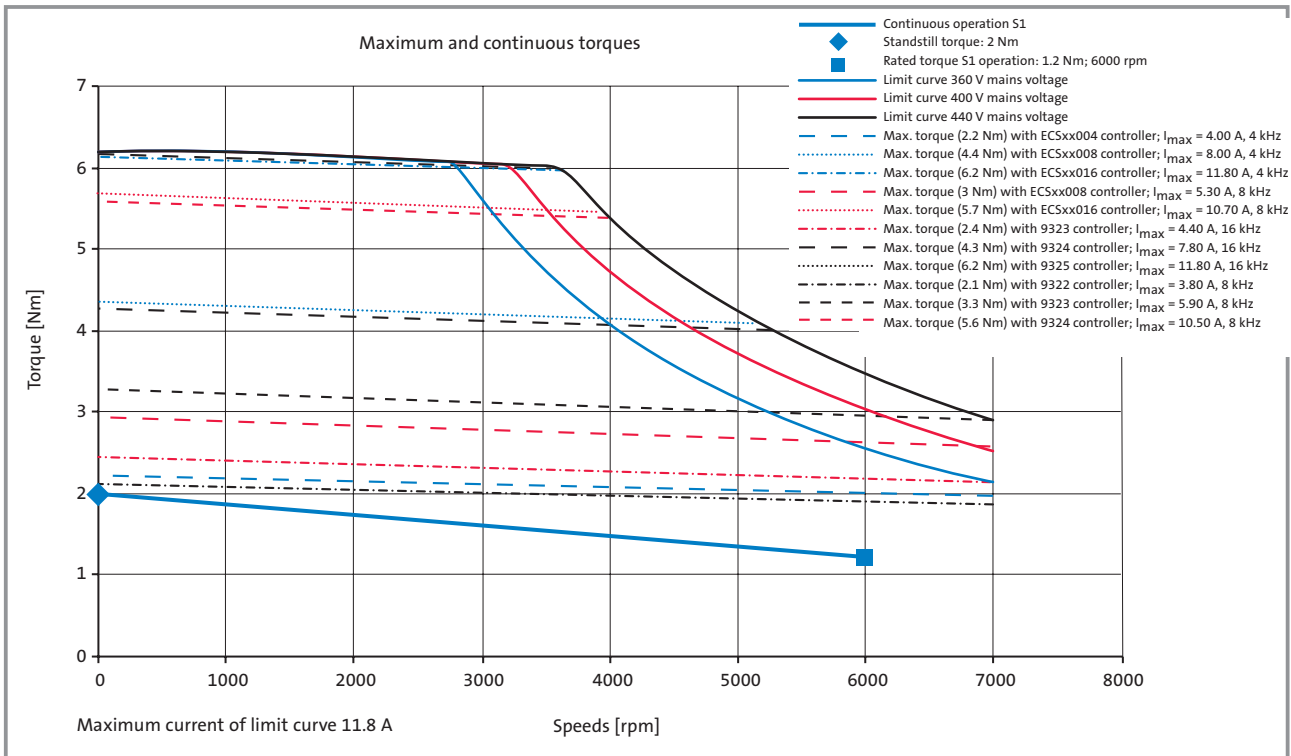


Technical data

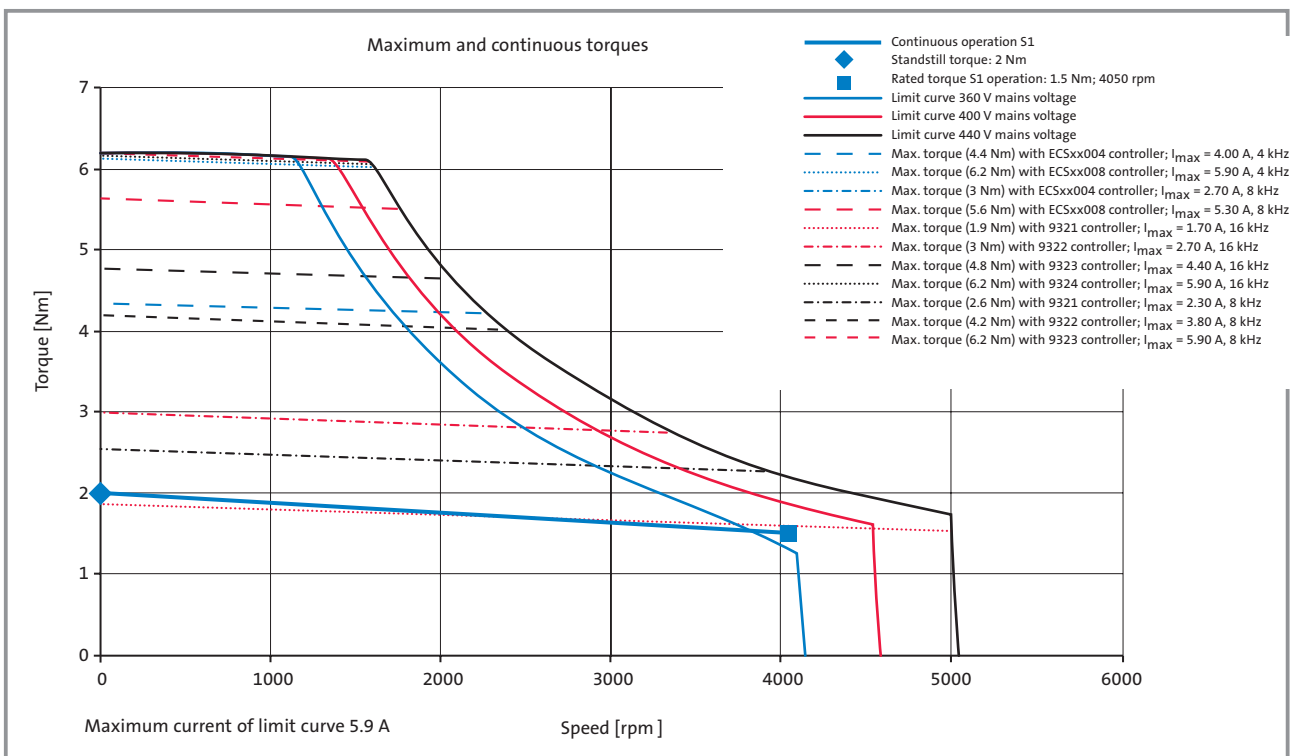
MCS 06 synchronous servo motors

Torque characteristics

MCS 06I60



MCS 06I41



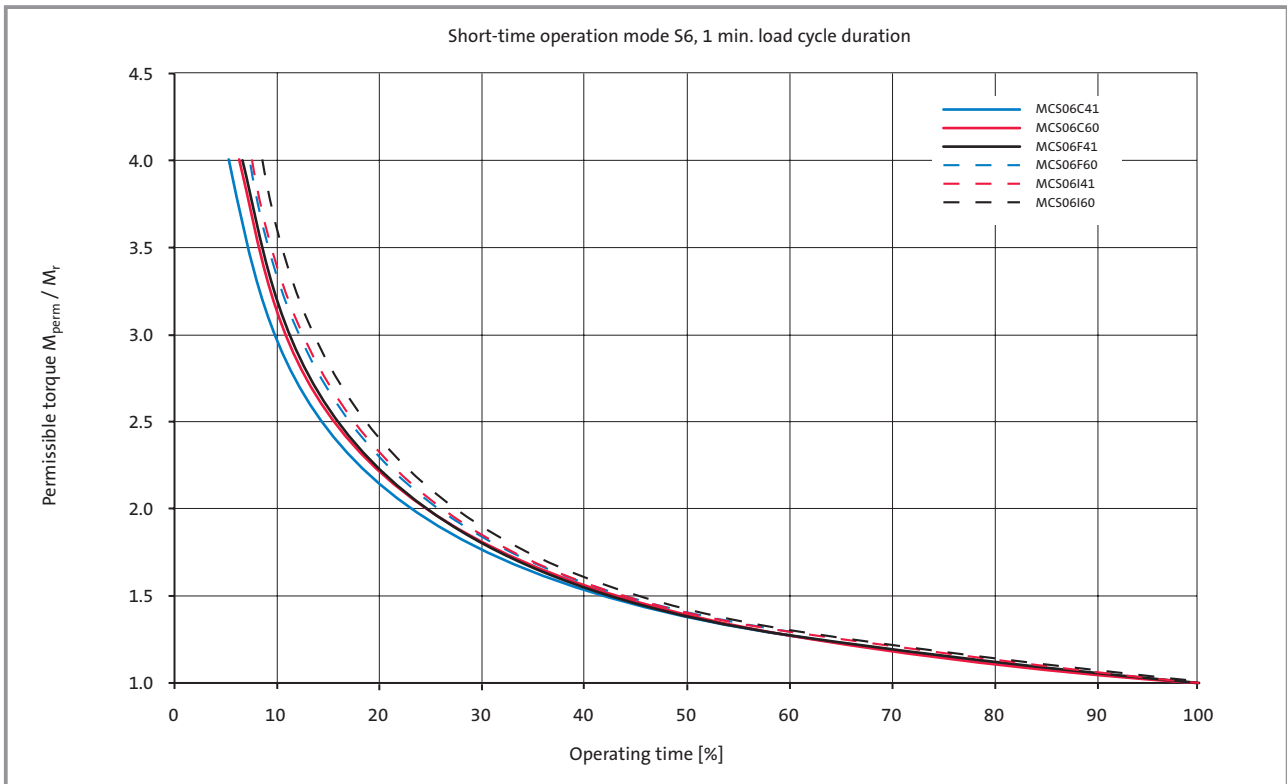
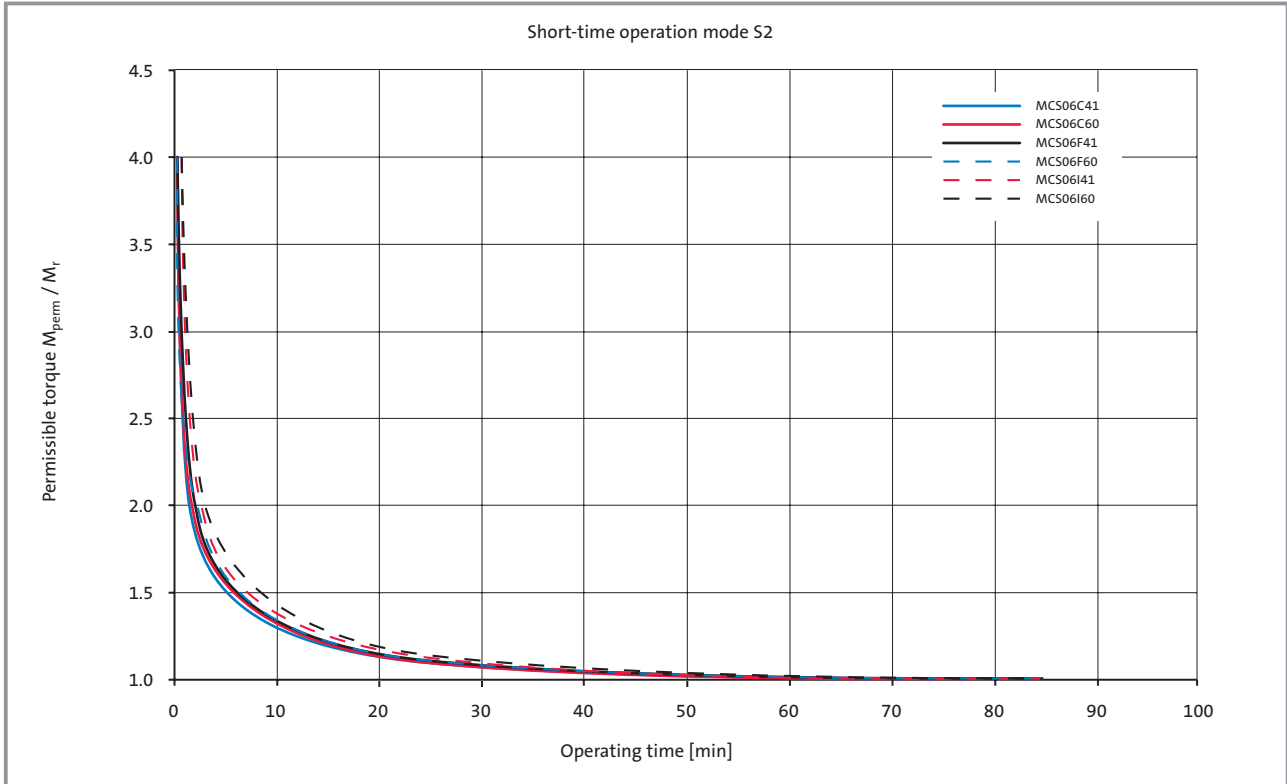
At speeds < 75 rpm servo controller derating may need to be taken into account. See "Servo controller assignment" tables.



Short-time operation characteristic

Lenze MCS servo motors are designed to be used in dynamic applications with high torque peaks. In order to make full use of this highly dynamic response as simply as possible,

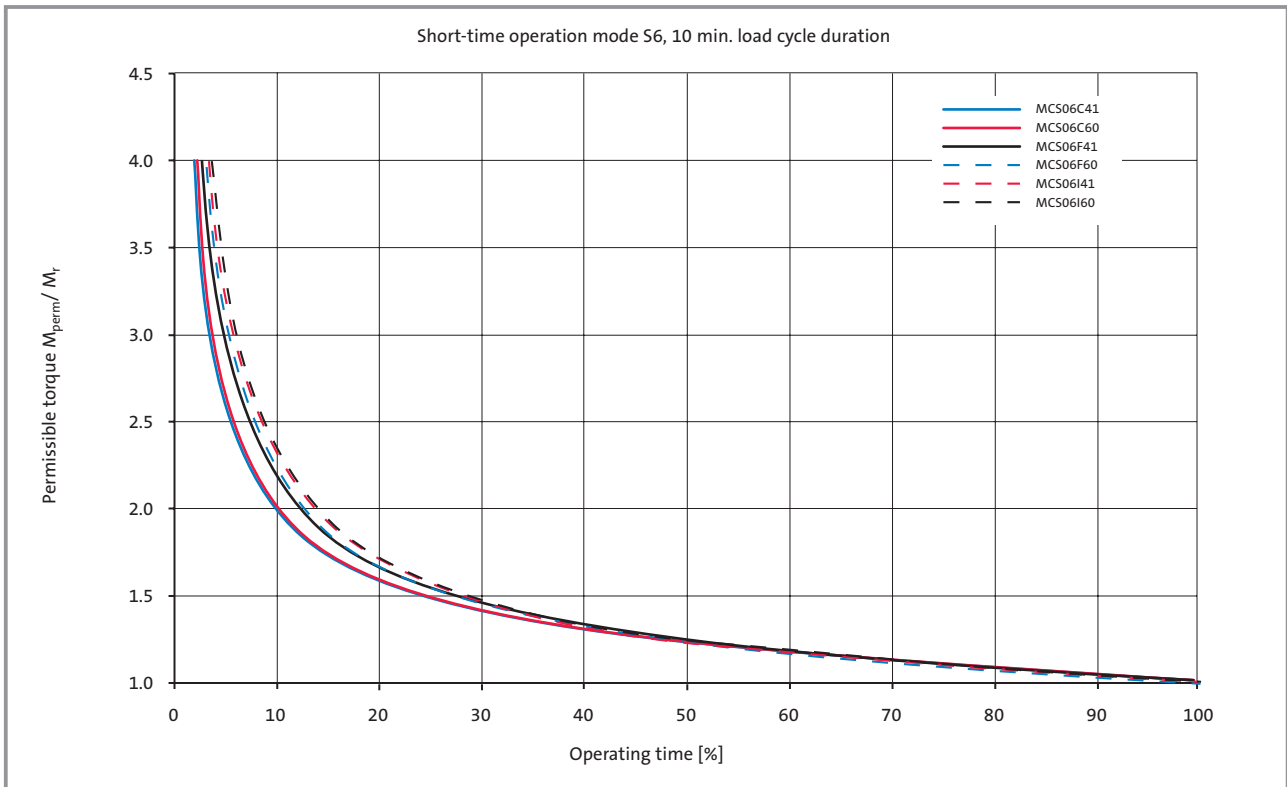
the following diagrams for operating modes S2 and S6 illustrate the permissible operating times against the torque peaks required.





Technical data

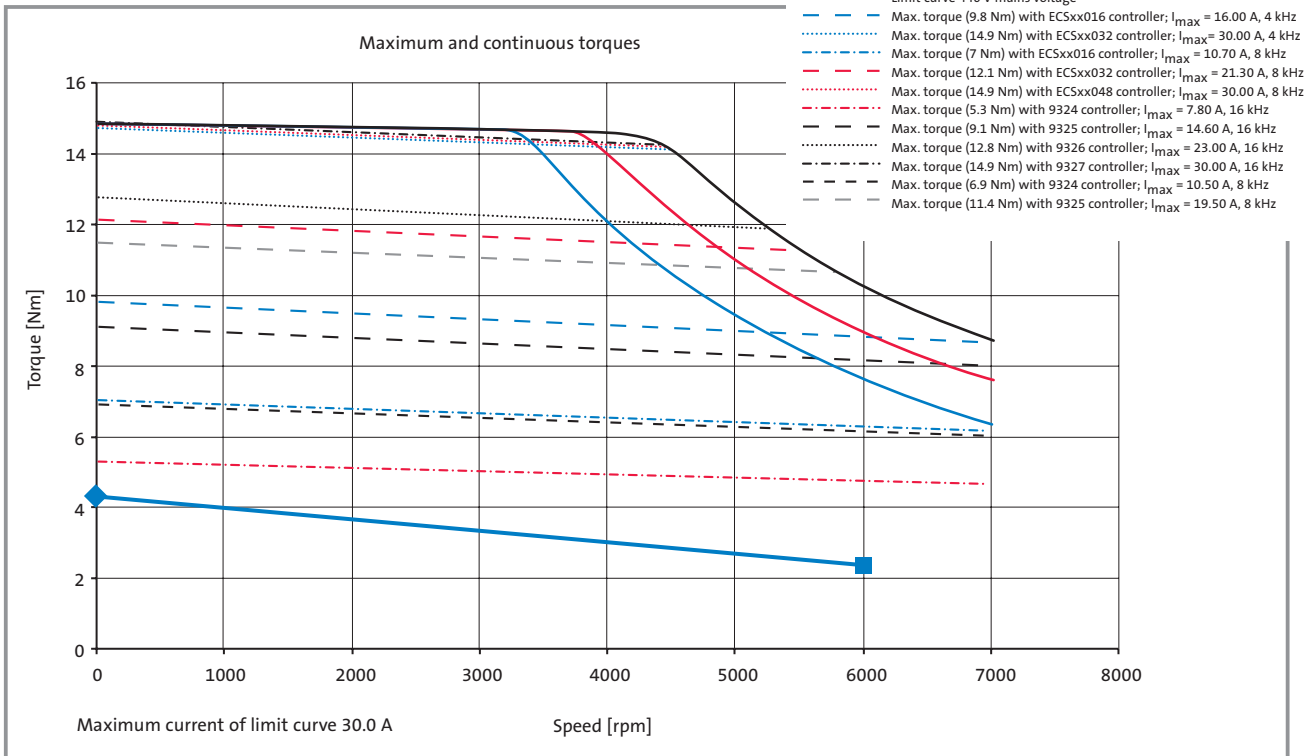
MCS 06 synchronous servo motors



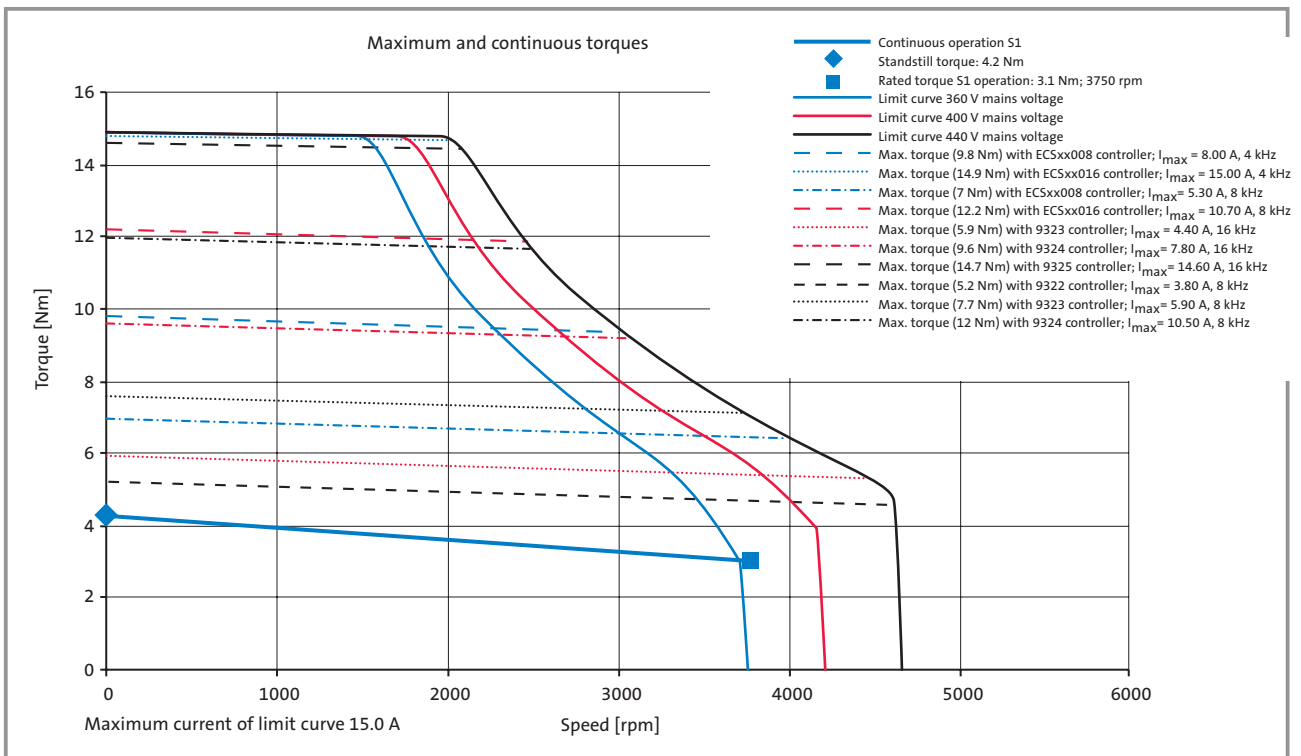


Torque characteristics

MCS 09F60



MCS 09F38



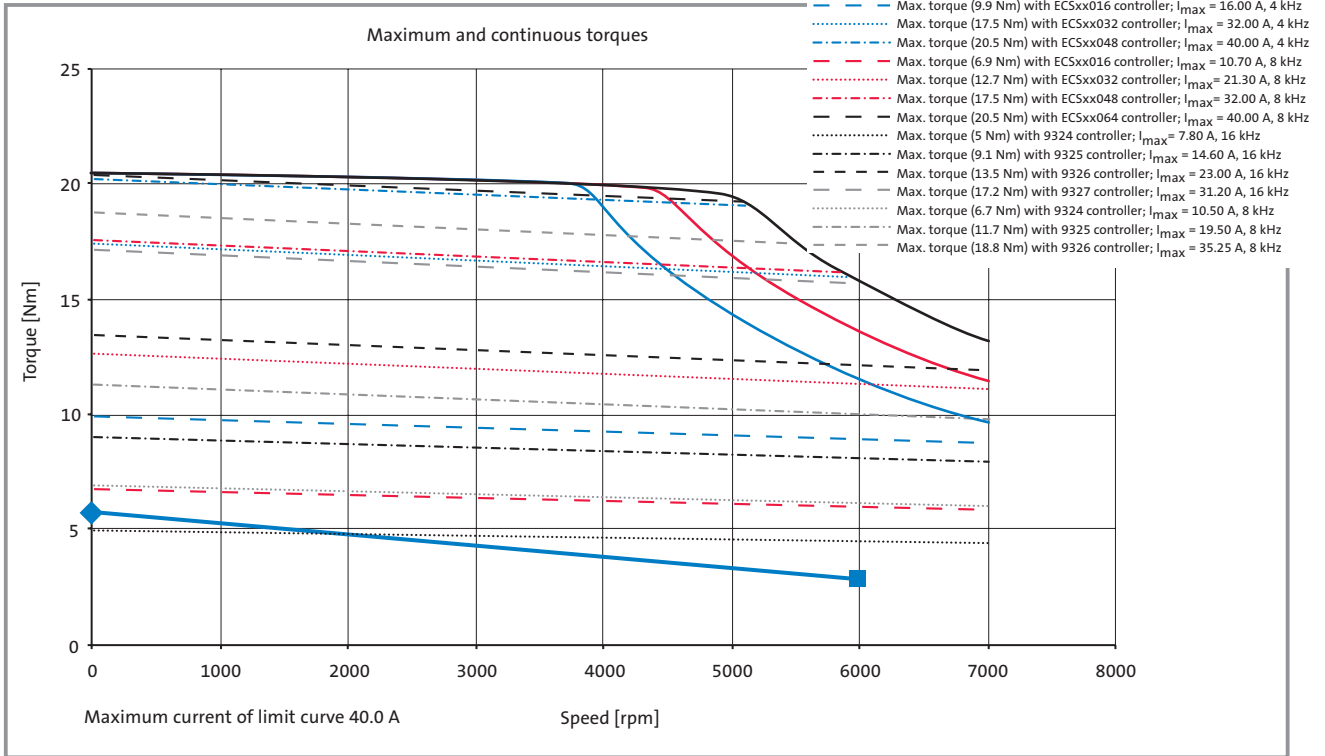
At speeds < 75 rpm servo controller derating may need to be taken into account. See "Servo controller assignment" tables.



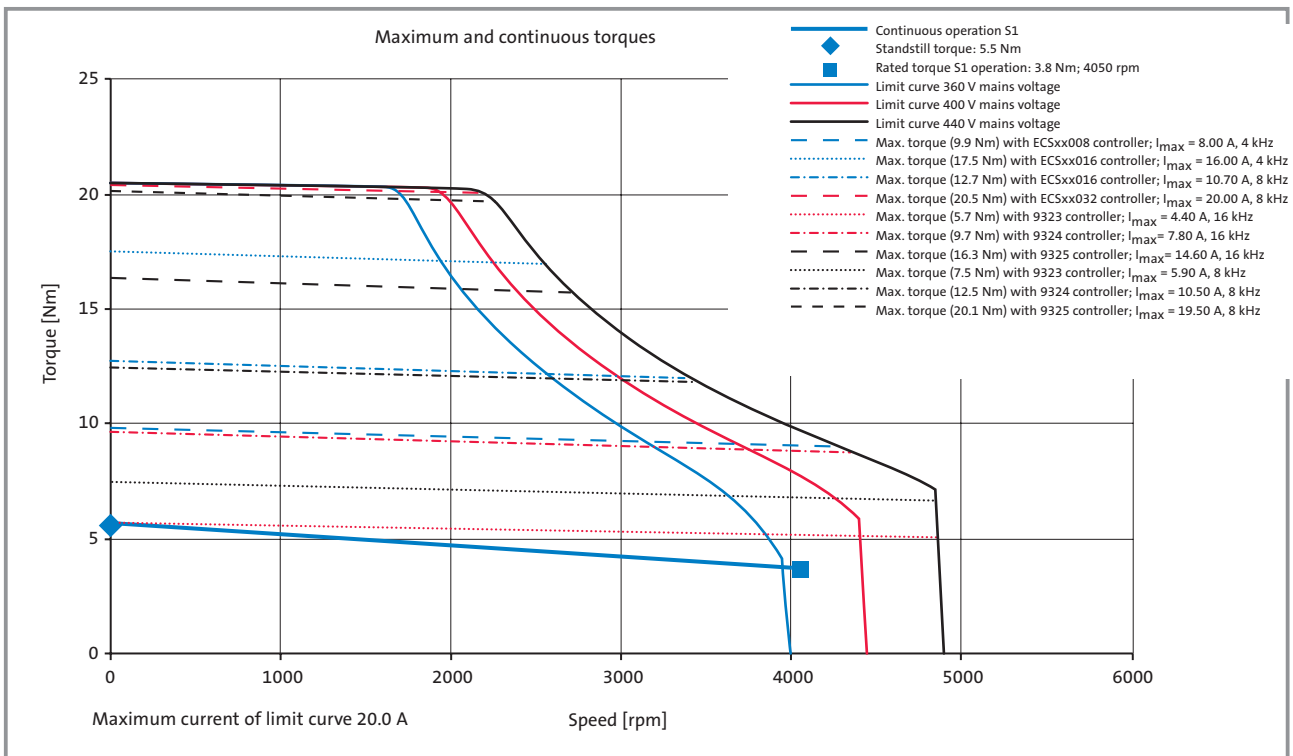
Technical data

MCS 09 synchronous servo motors

MCS 09H60



MCS 09H41



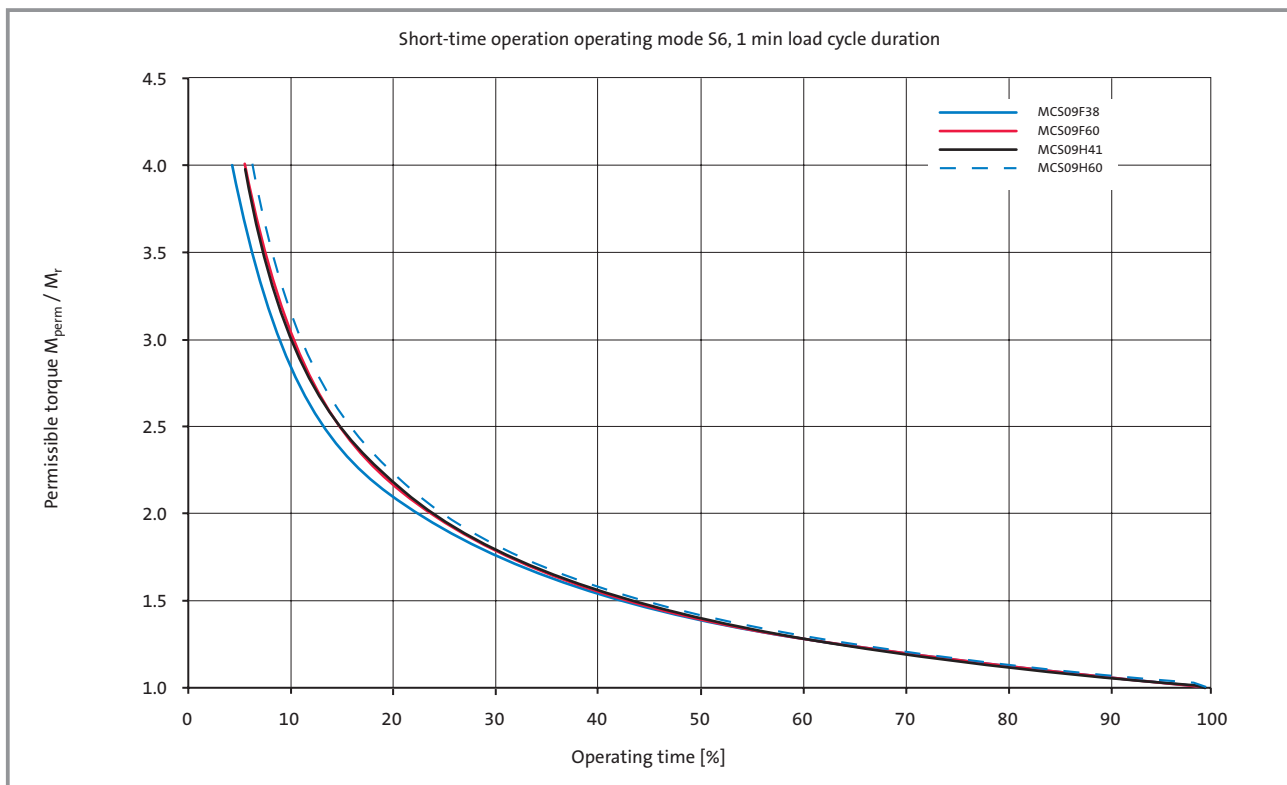
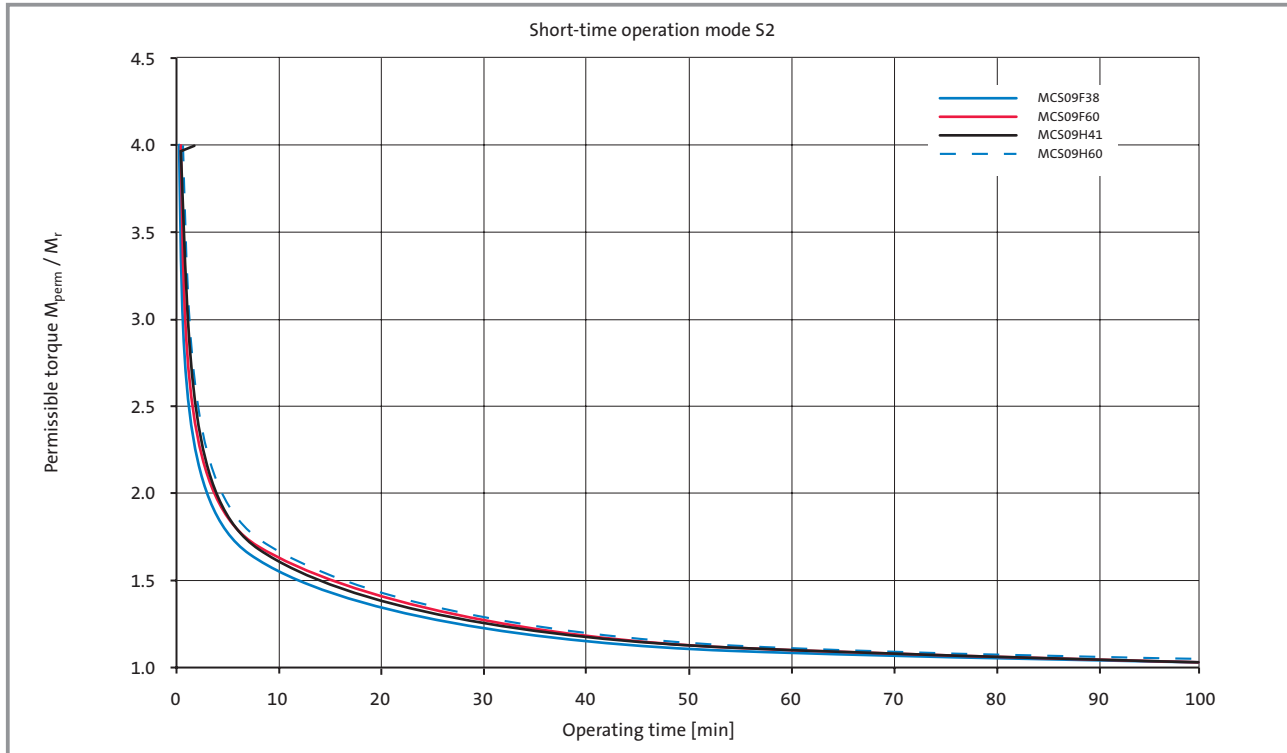
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Short-time operation characteristic

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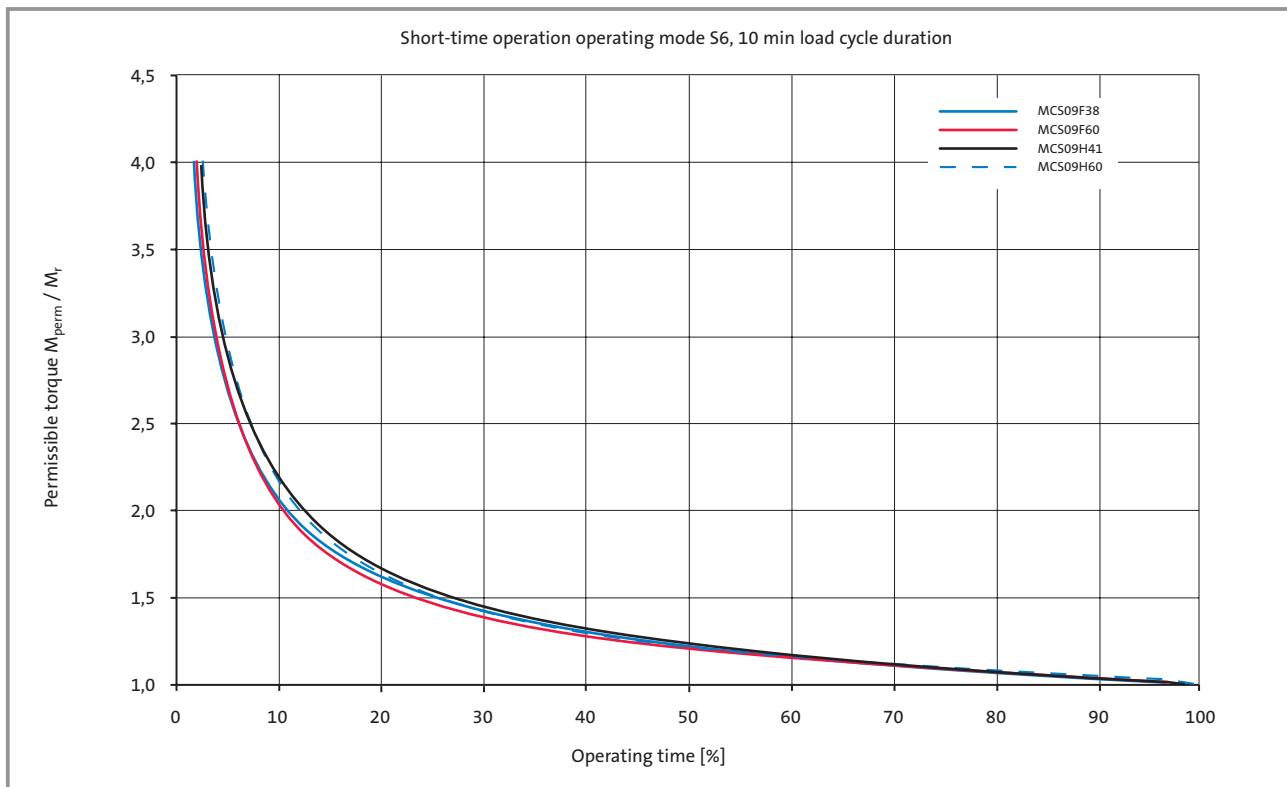
modes S2 and S6 illustrate the permissible operating times against the torque peaks required.





Technical data

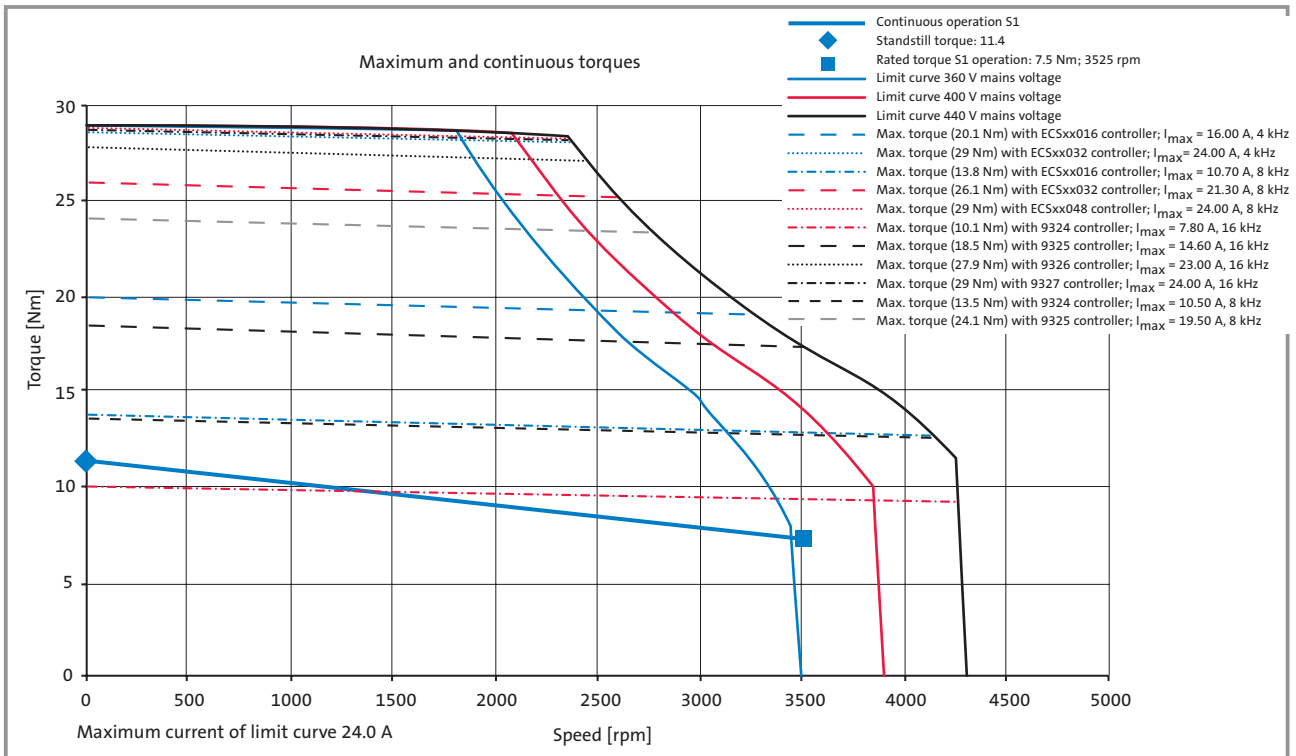
MCS 09 synchronous servo motors



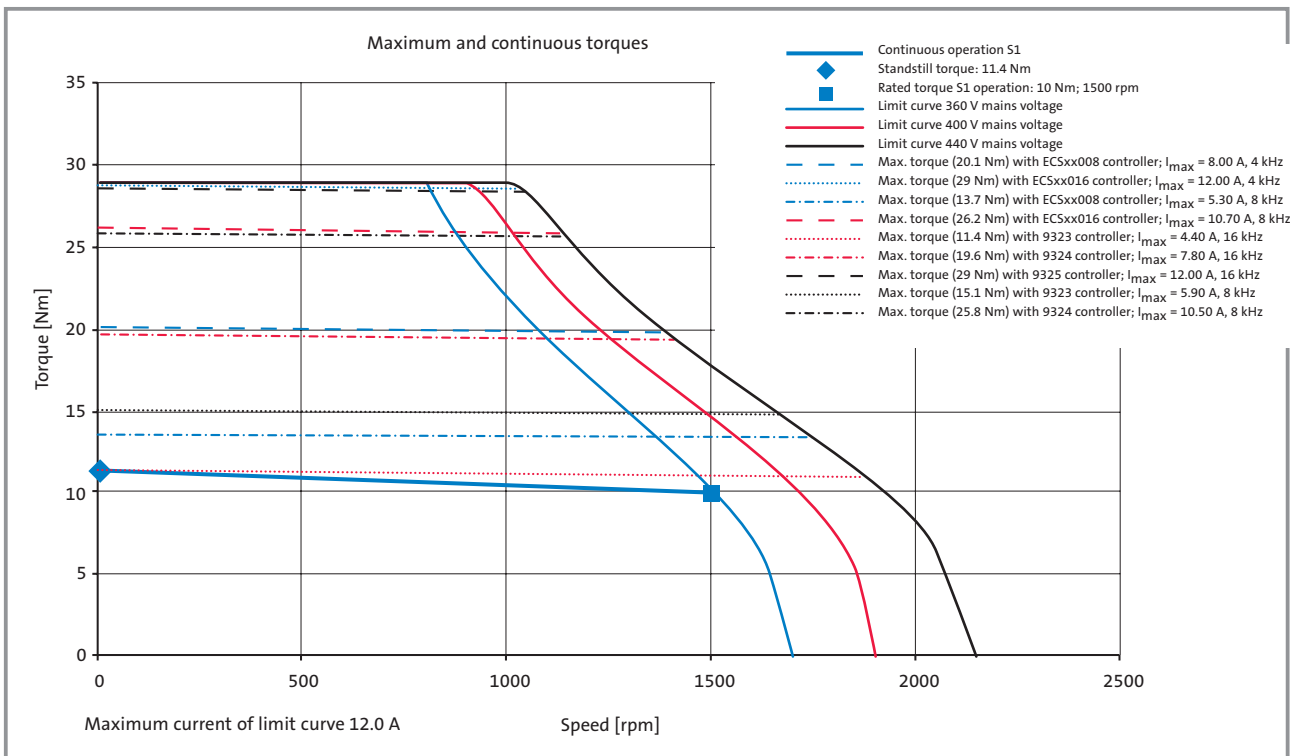


Torque characteristics

MCS 12H35



MCS 12H15



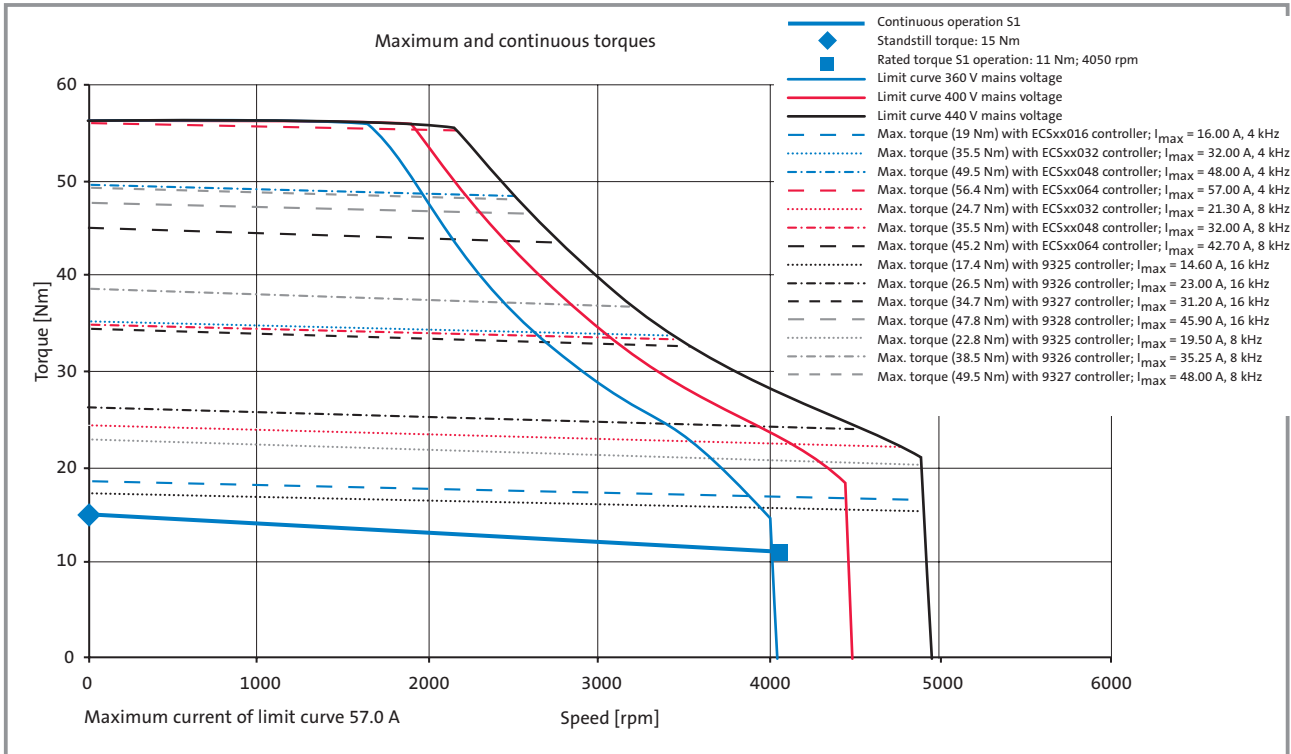
At speeds < 75 rpm servo controller derating may need to be taken into account. See "Servo controller assignment" tables.



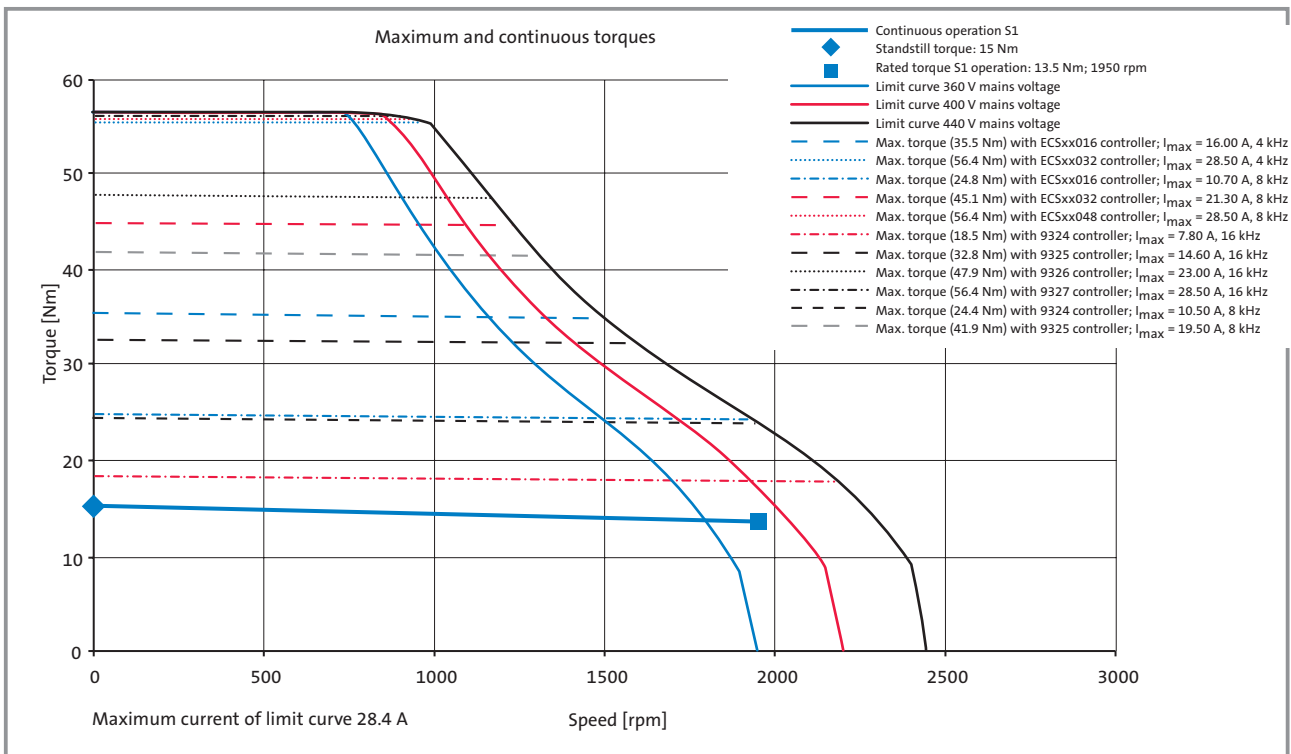
Technical data

MCS 12 synchronous servo motors

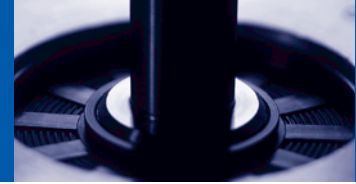
MCS 12L41



MCS 12L20



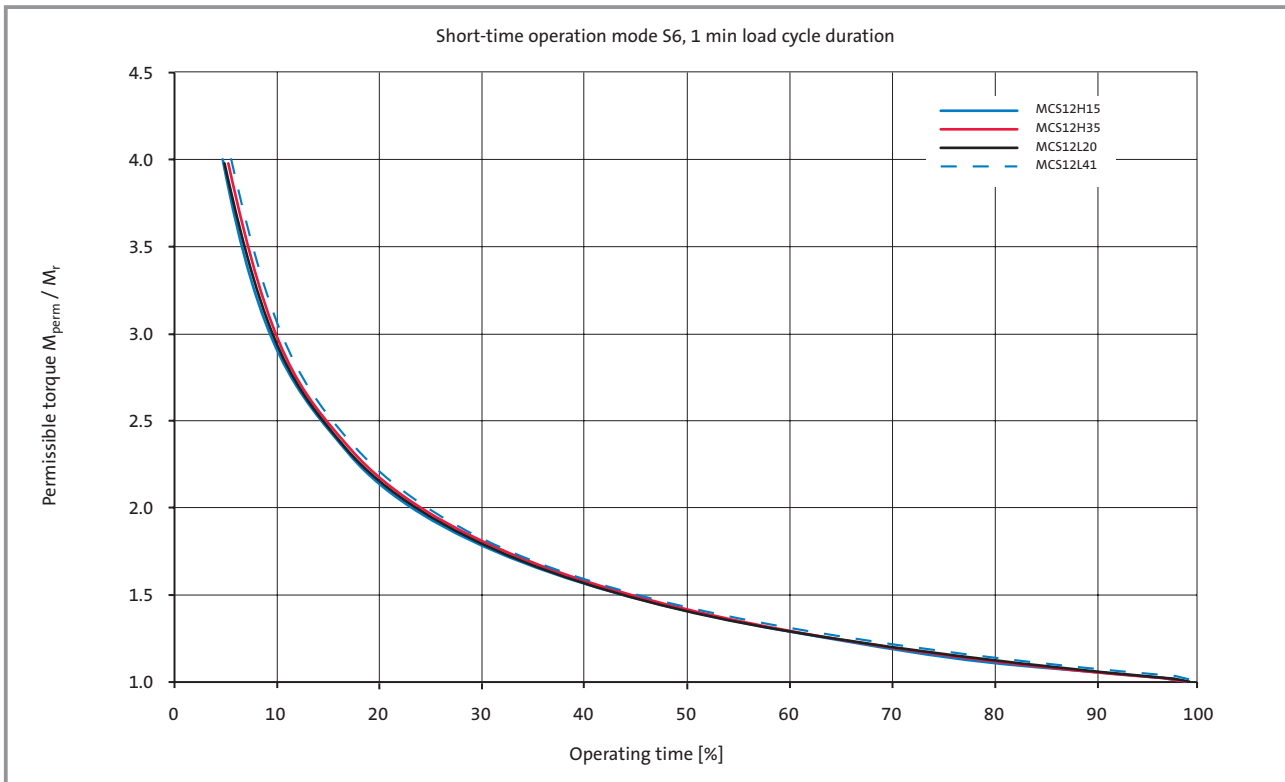
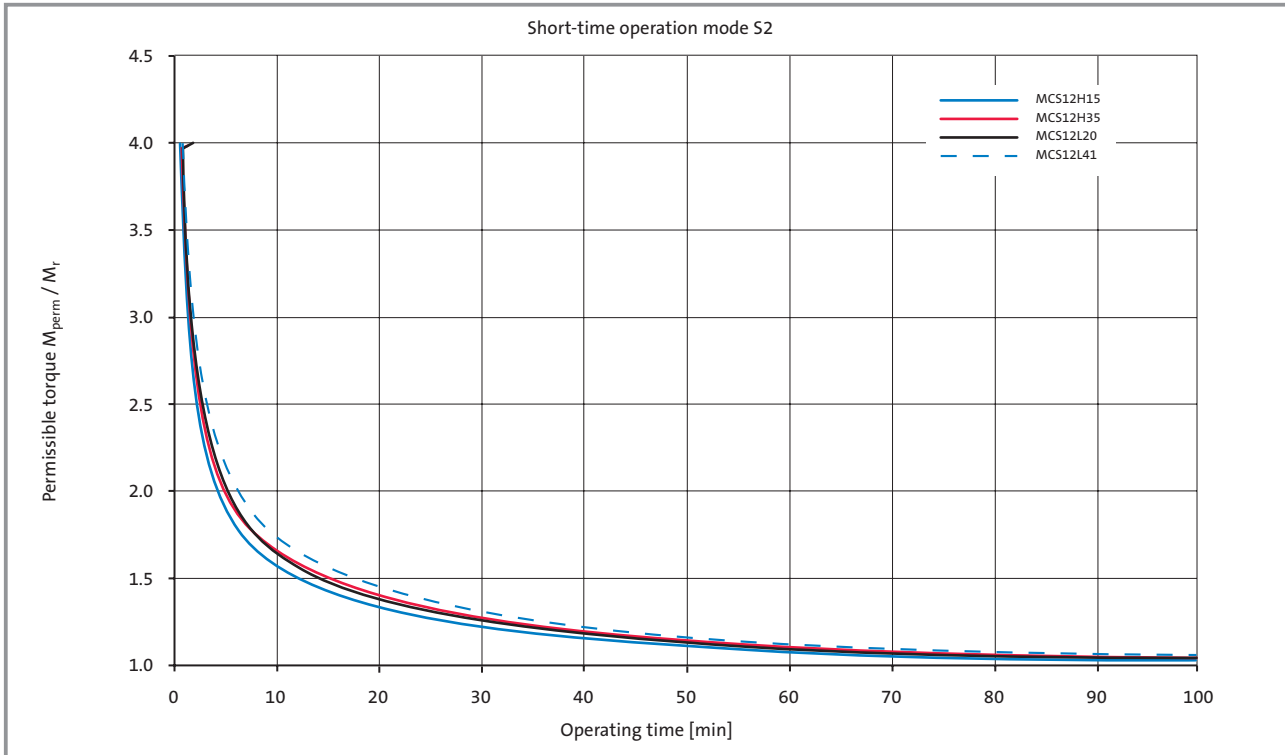
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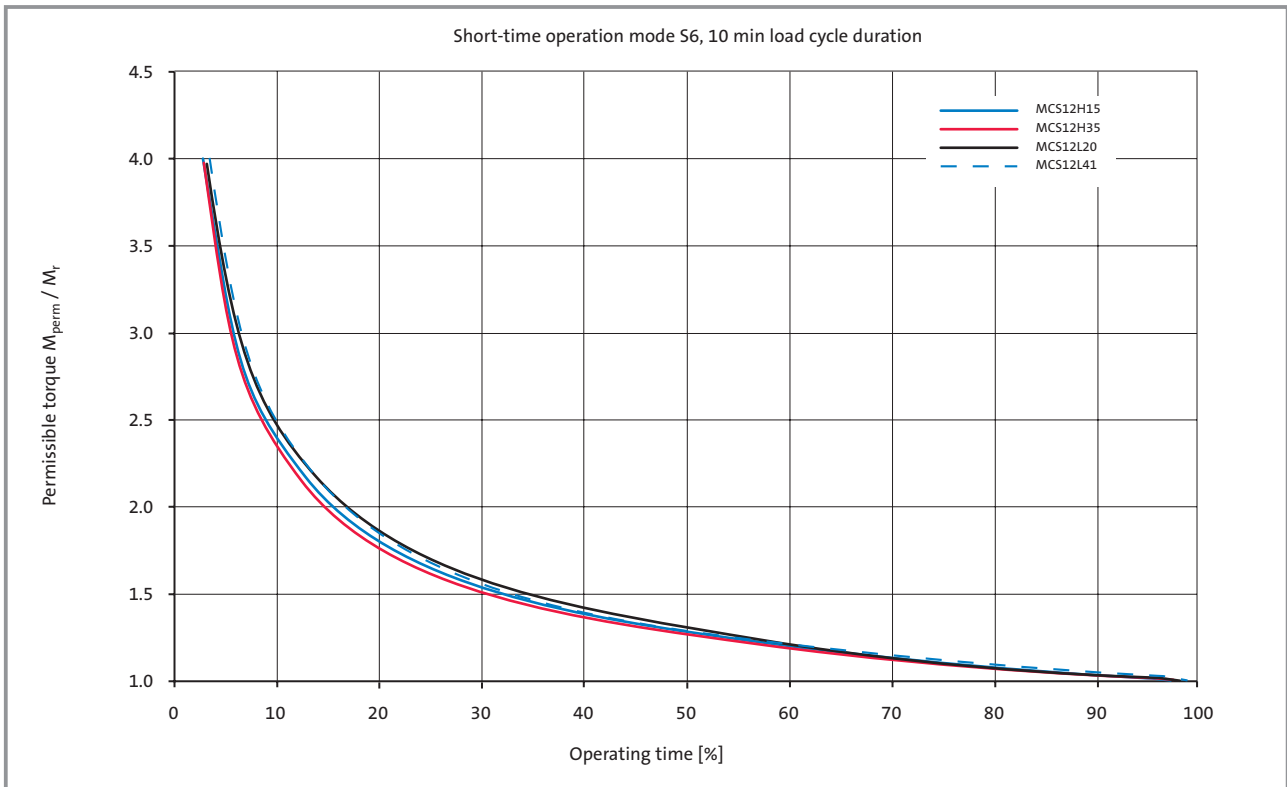
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Technical data

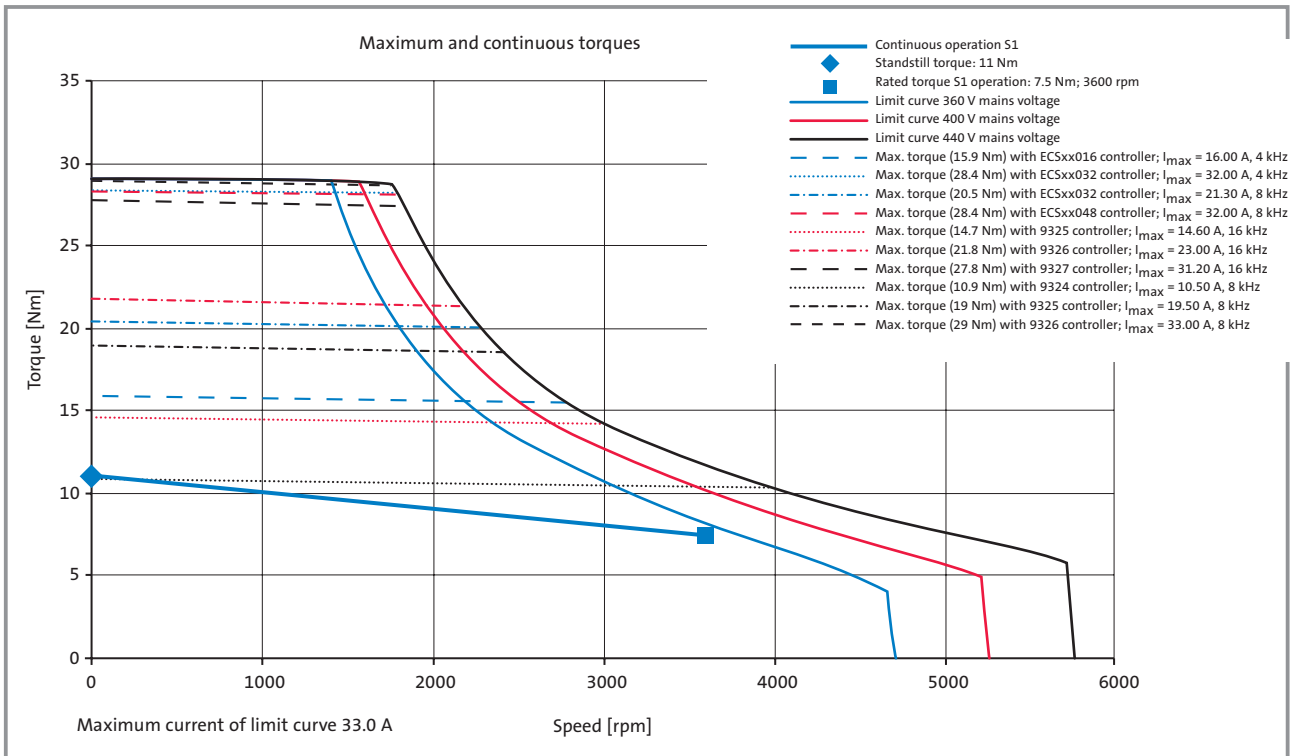
MCS 12 synchronous servo motors



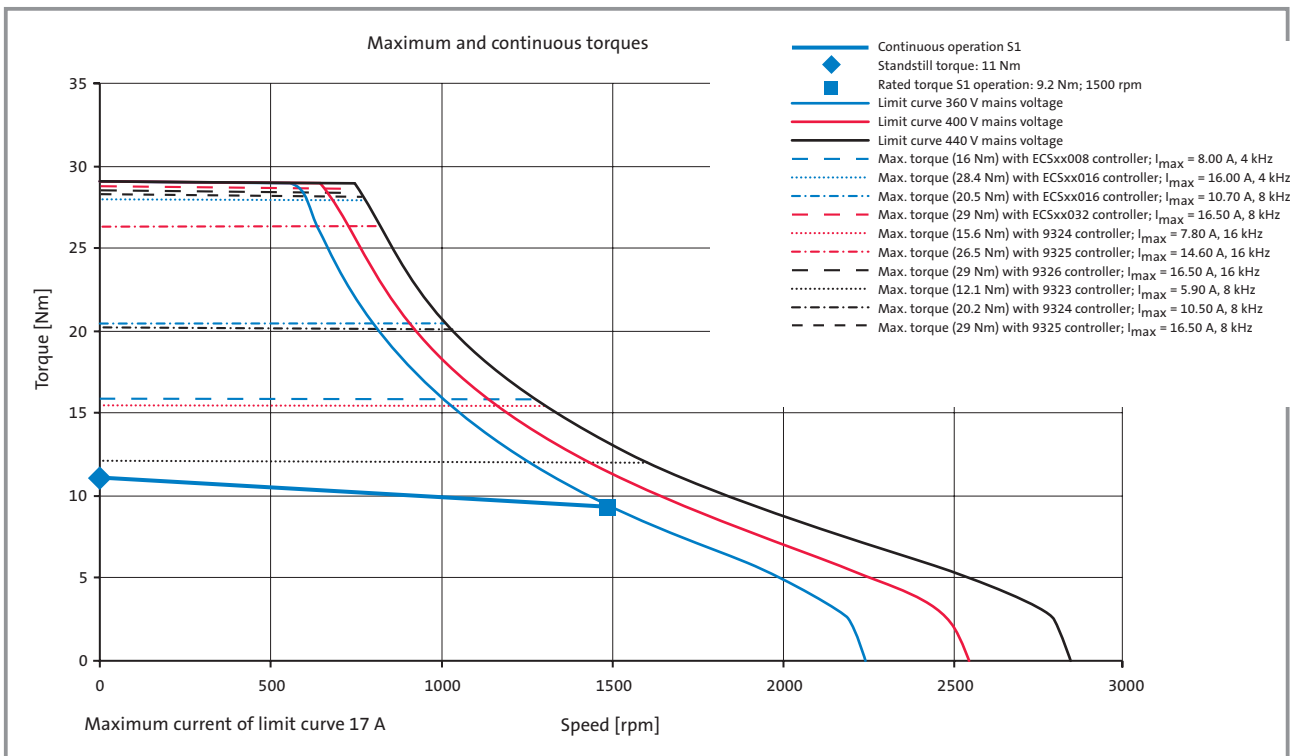


Torque characteristics

MCS 14D36



MCS 14D15



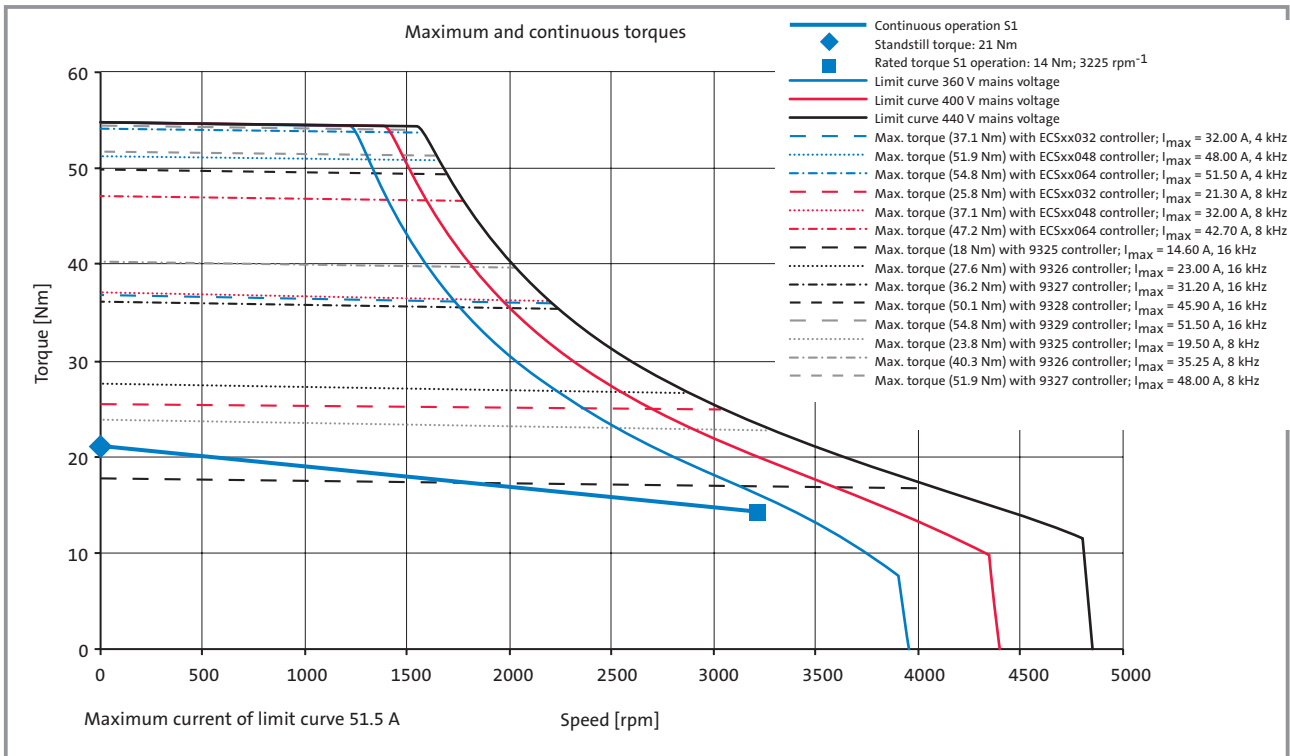
At speeds < 75 rpm servo controller derating may need to be taken into account. See "Servo controller assignment" tables.



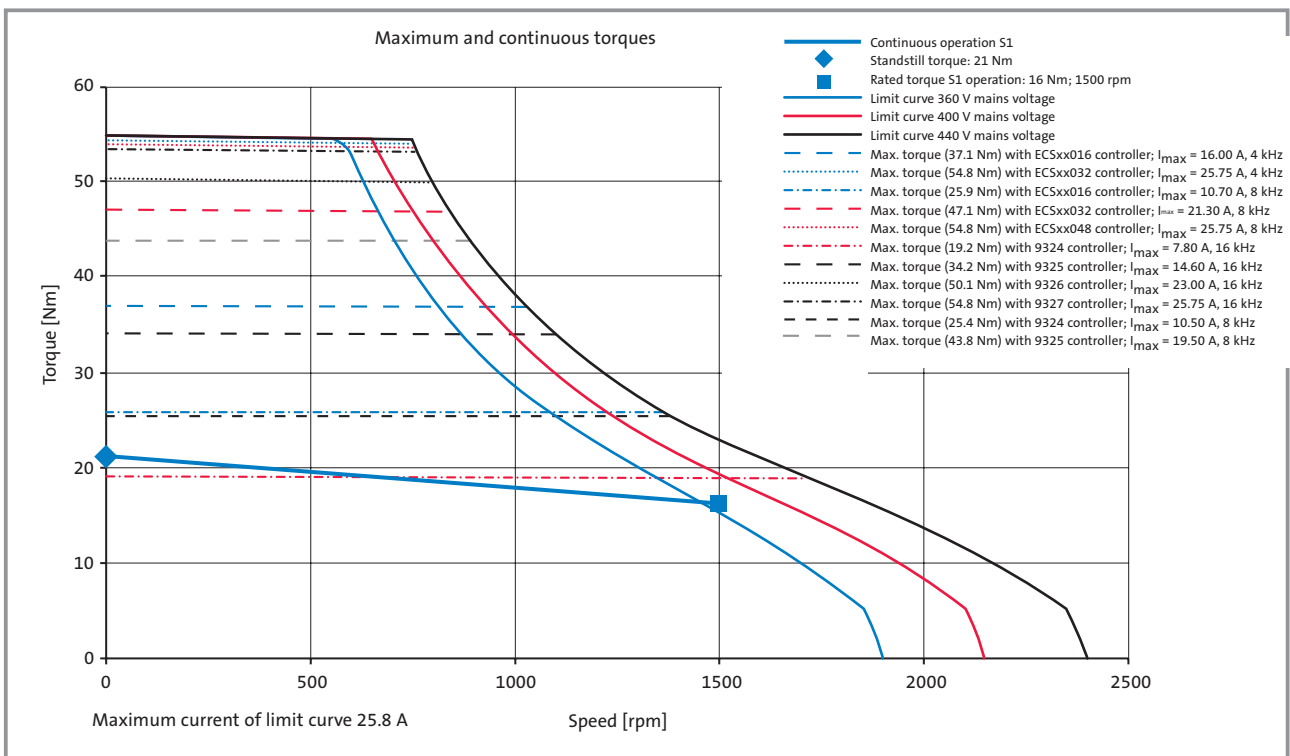
Technical data

MCS 14 synchronous servo motors

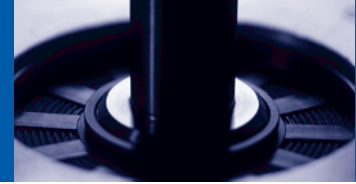
MCS 14H32



MCS 14H15

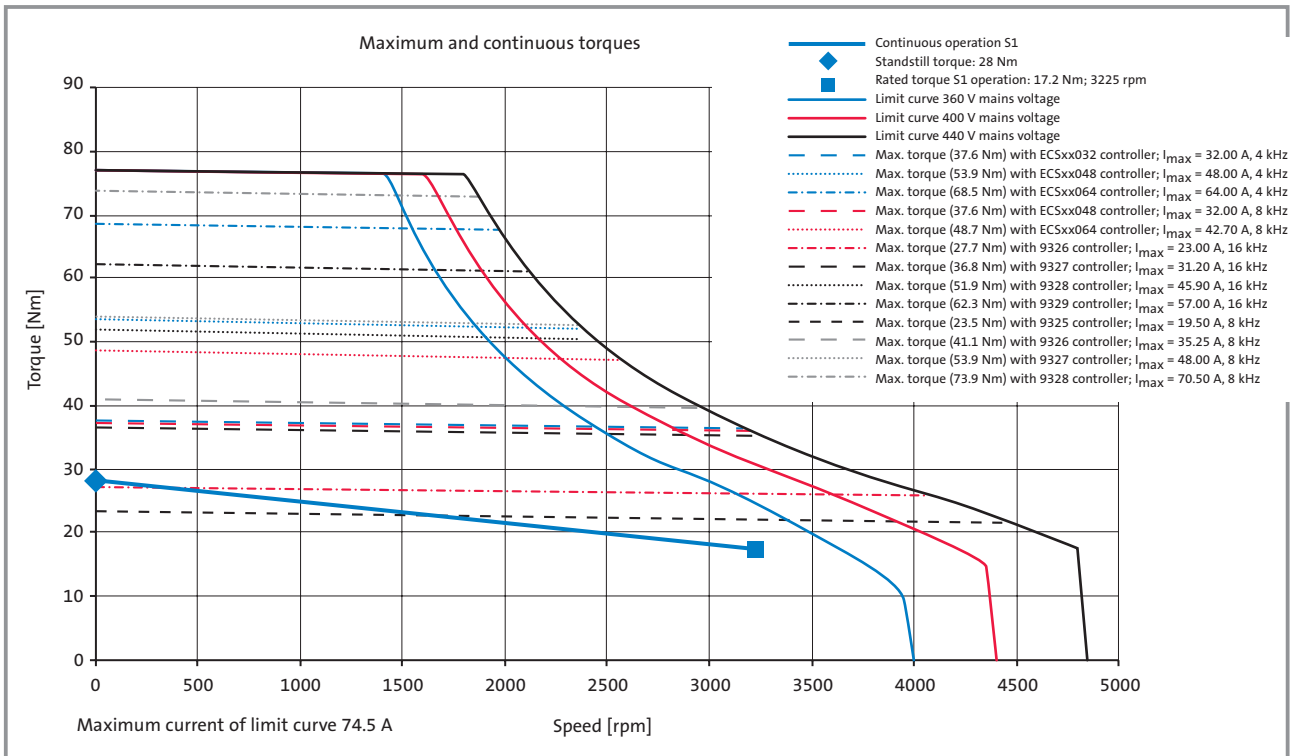


At speeds < 75 rpm servo controller derating may need to be taken into account. See "Servo controller assignment" tables.

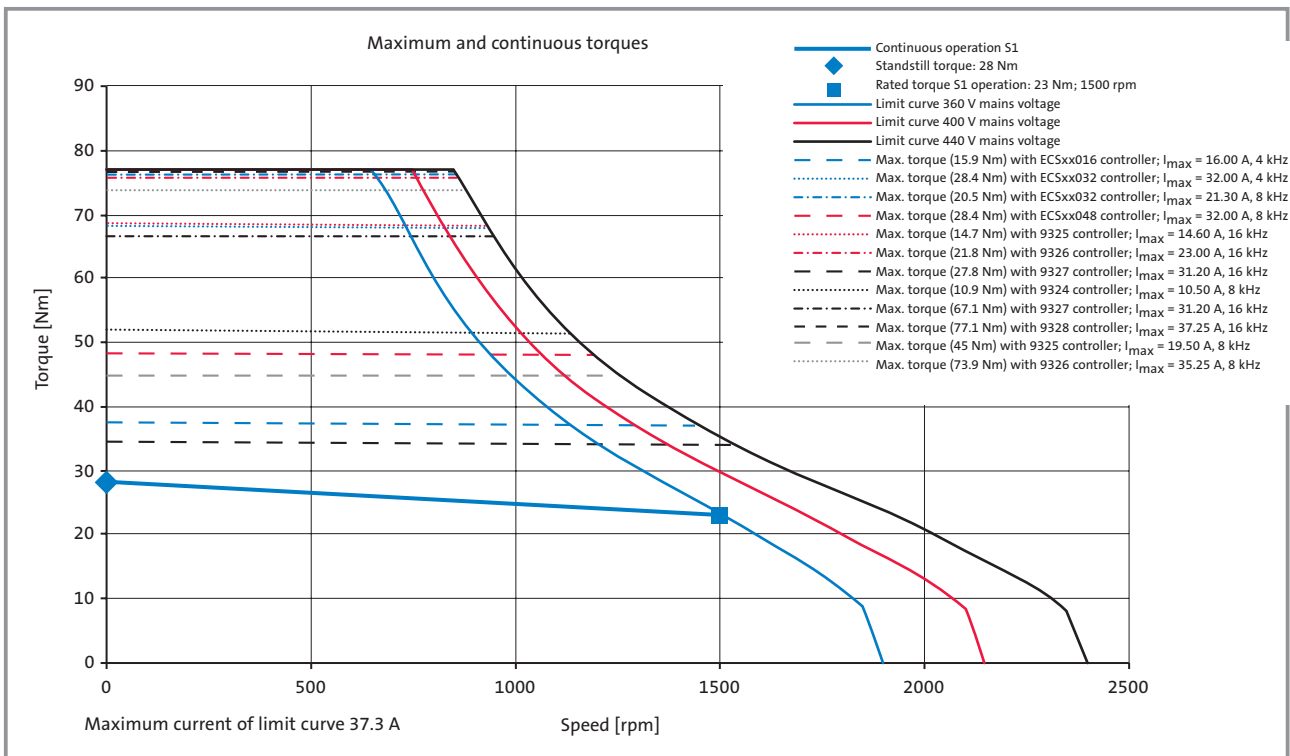


Torque characteristics

MCS 14L32



MCS 14L15



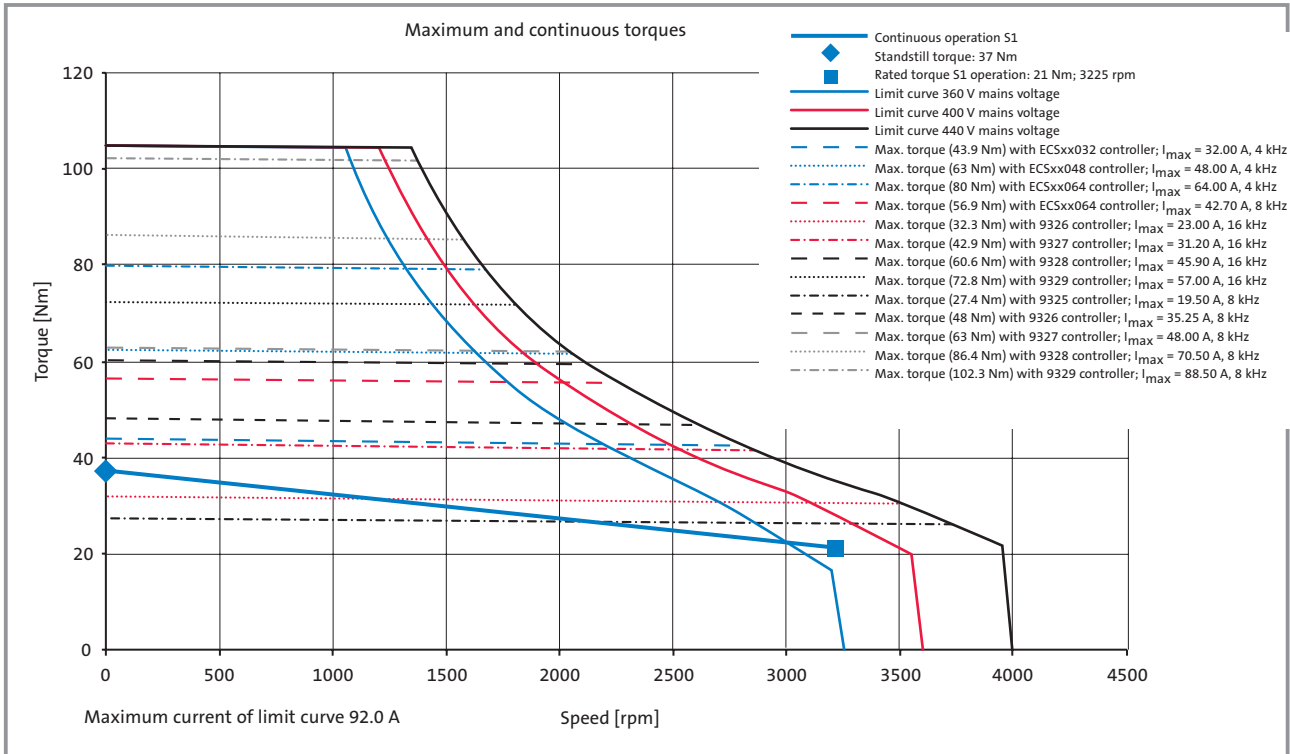
At speeds < 75 rpm servo controller derating may need to be taken into account. See "Servo controller assignment" tables.



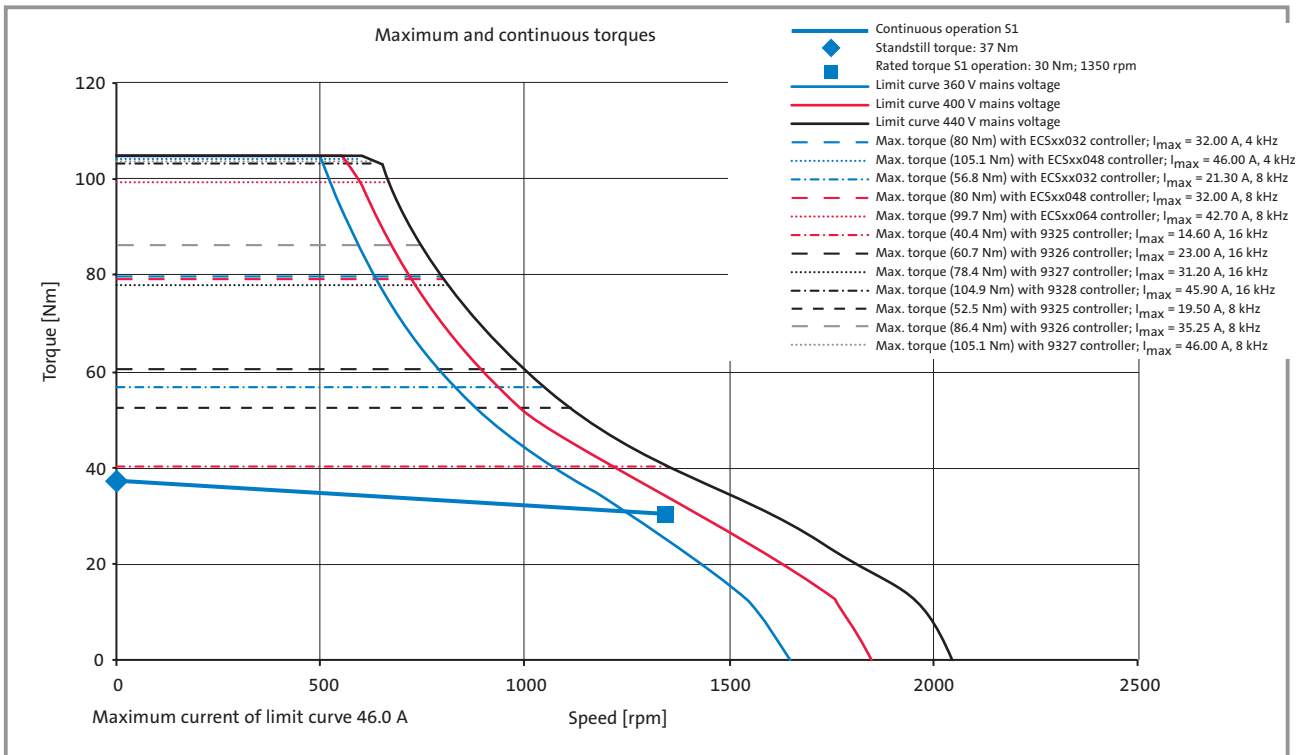
Technical data

MCS 14 synchronous servo motors

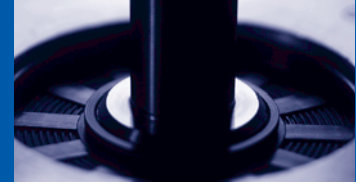
MCS 14P32



MCS 14P14



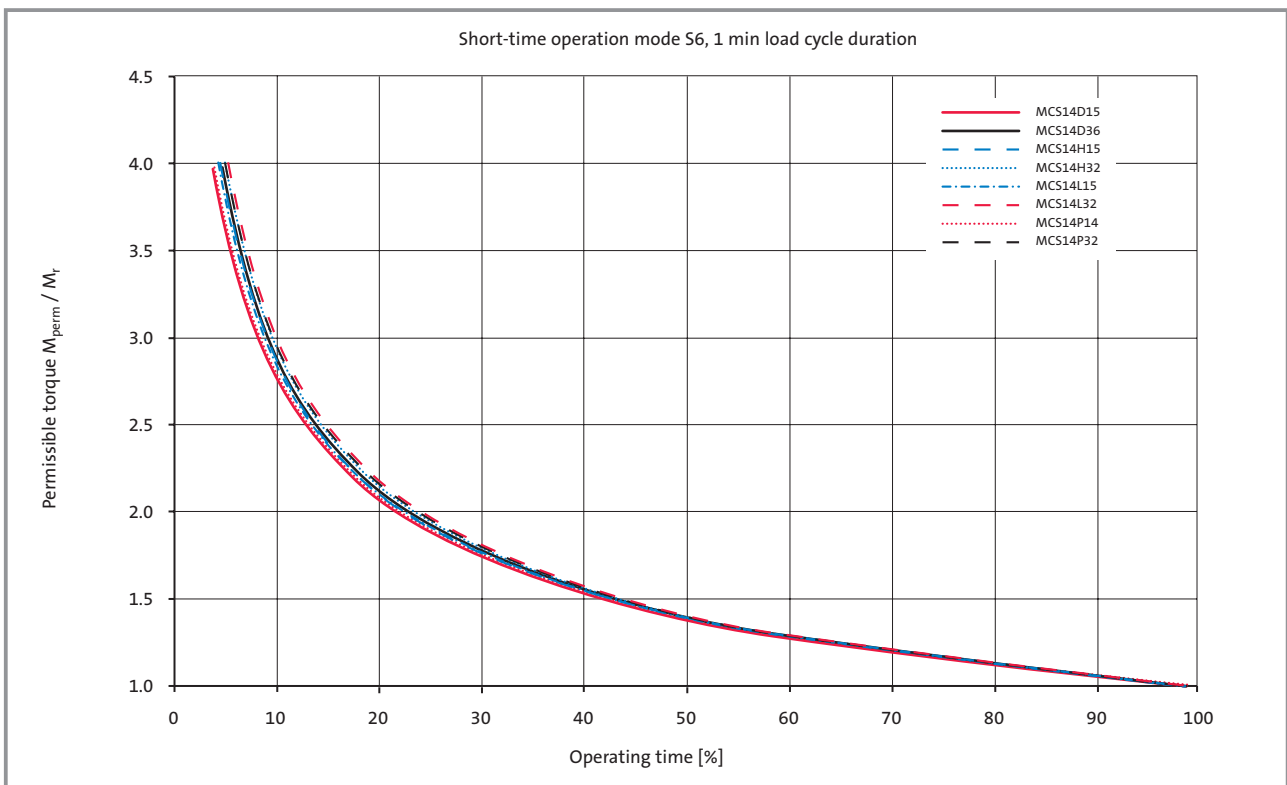
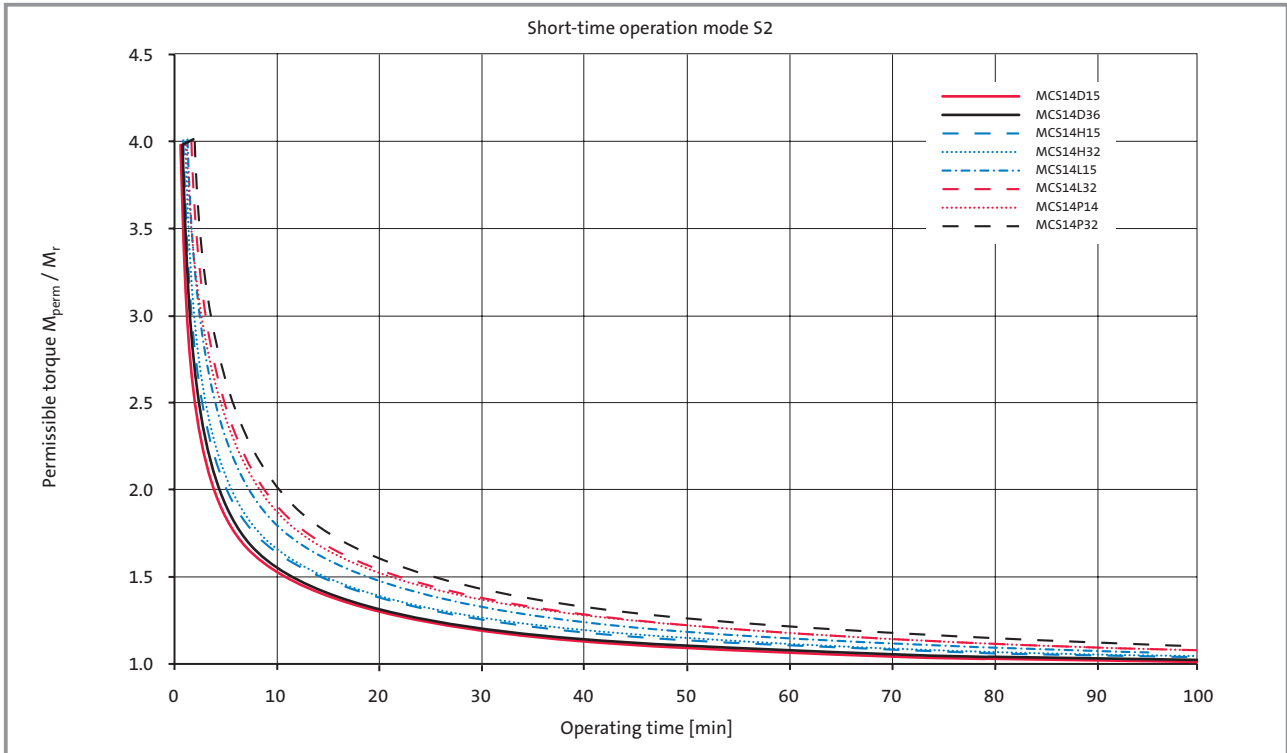
At speeds < 75 rpm servo controller derating may need to be taken into account. See "Servo controller assignment" tables.



Short-time operation characteristic

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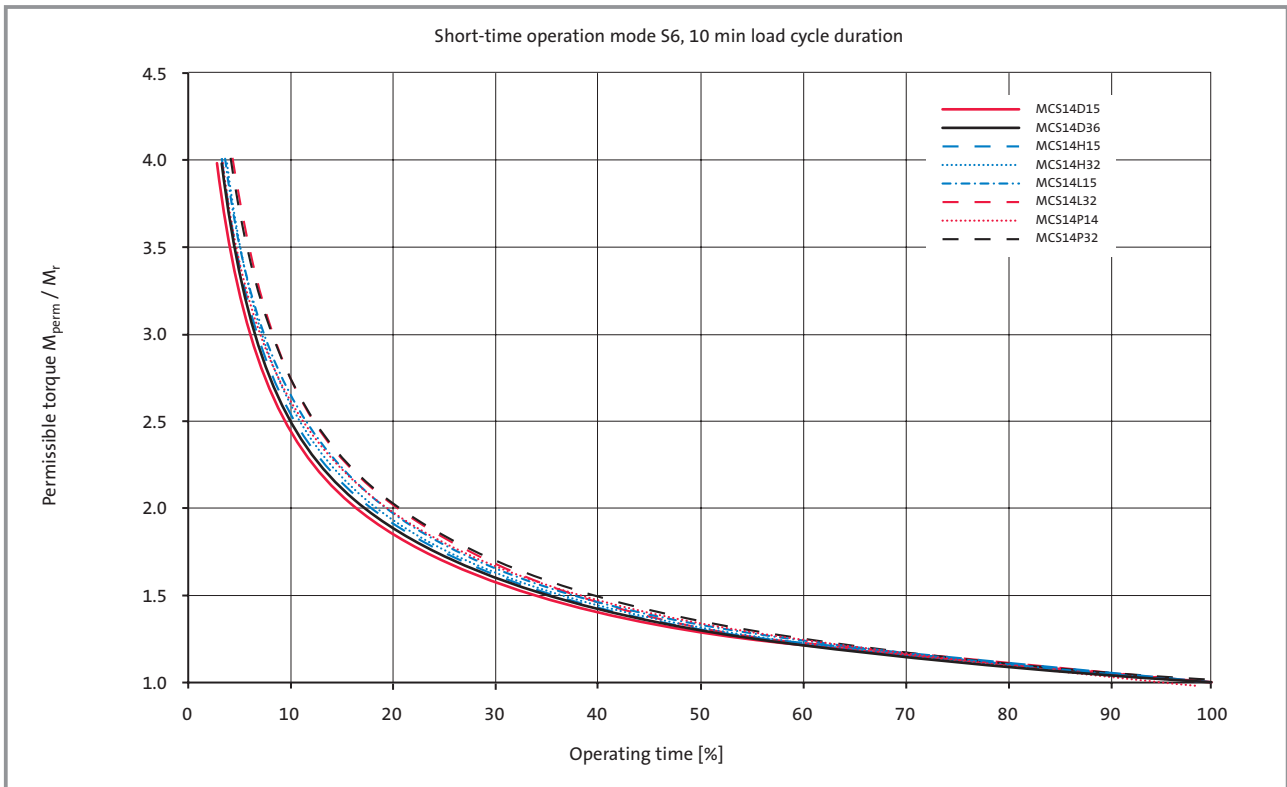
modes S2 and S6 illustrate the permissible operating times against the torque peaks required.

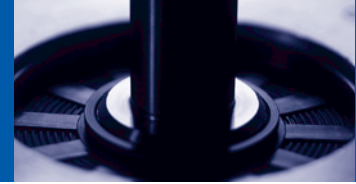




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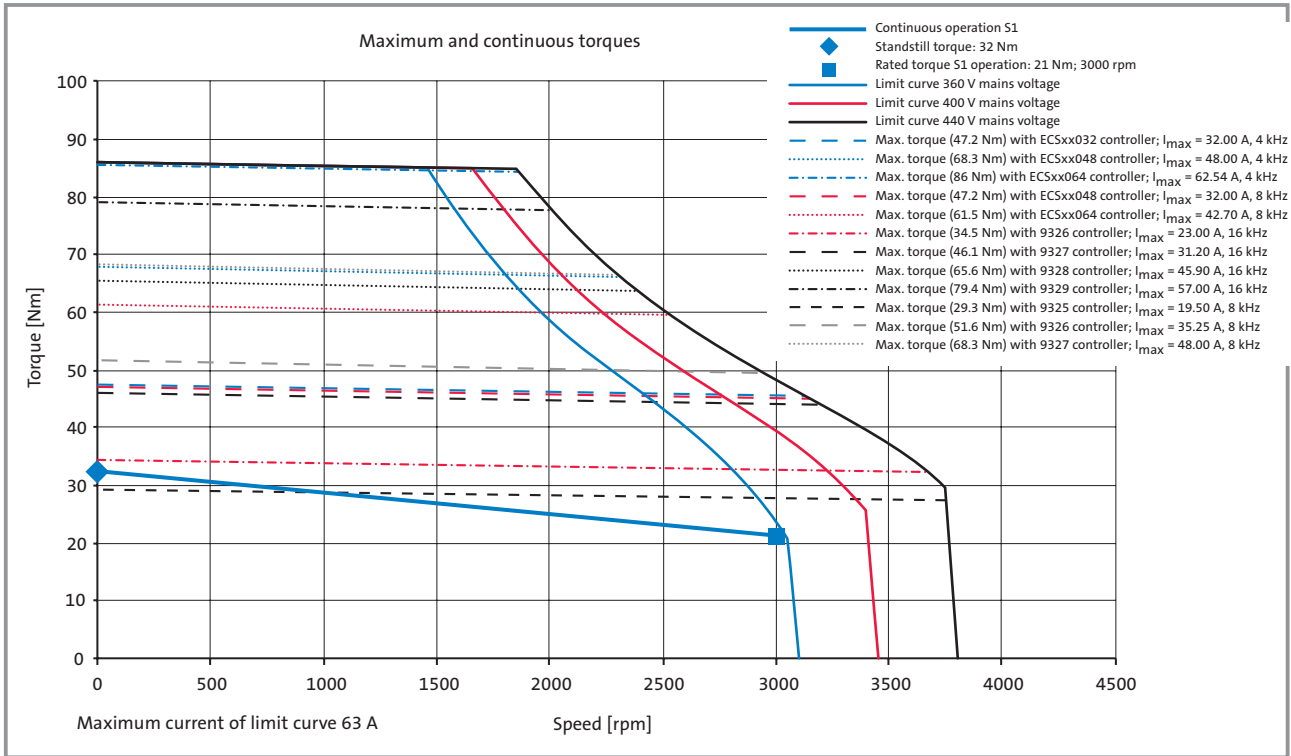
MCS 14 synchronous servo motors



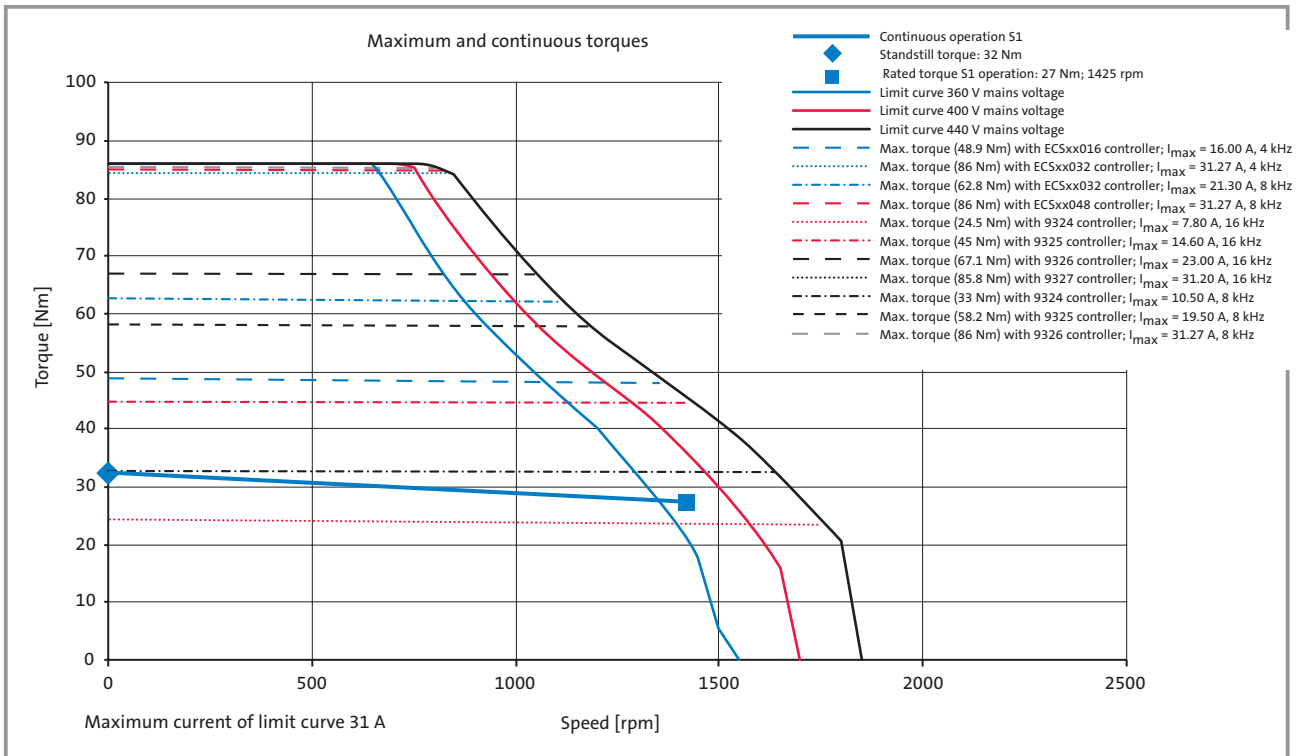


Torque characteristics

MCS 19F30



MCS 19F14



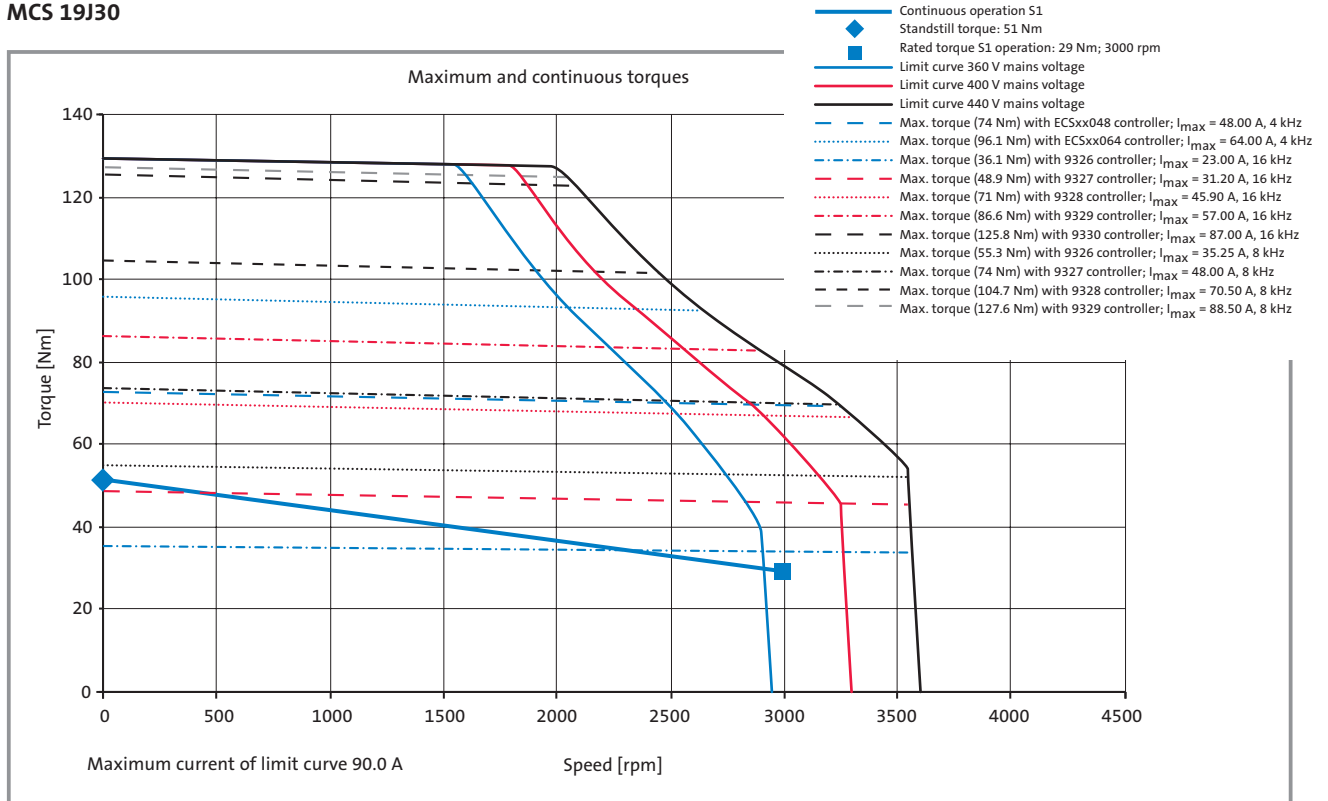
At speeds < 75 rpm servo controller derating may need to be taken into account. See "Servo controller assignment" tables.



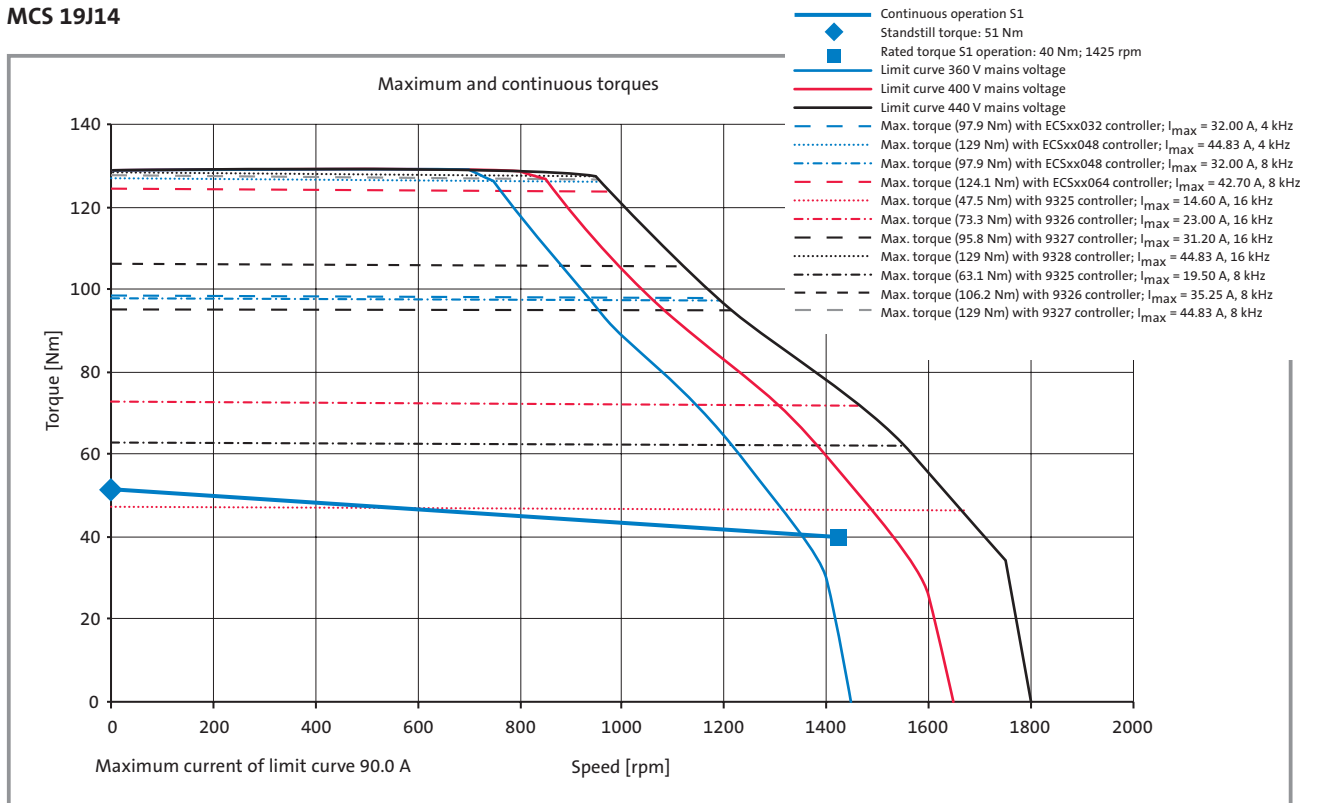
Technical data

MCS 19 synchronous servo motors

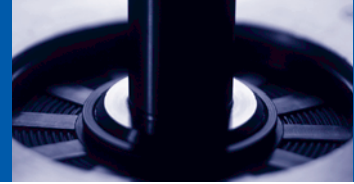
MCS 19J30



MCS 19J14

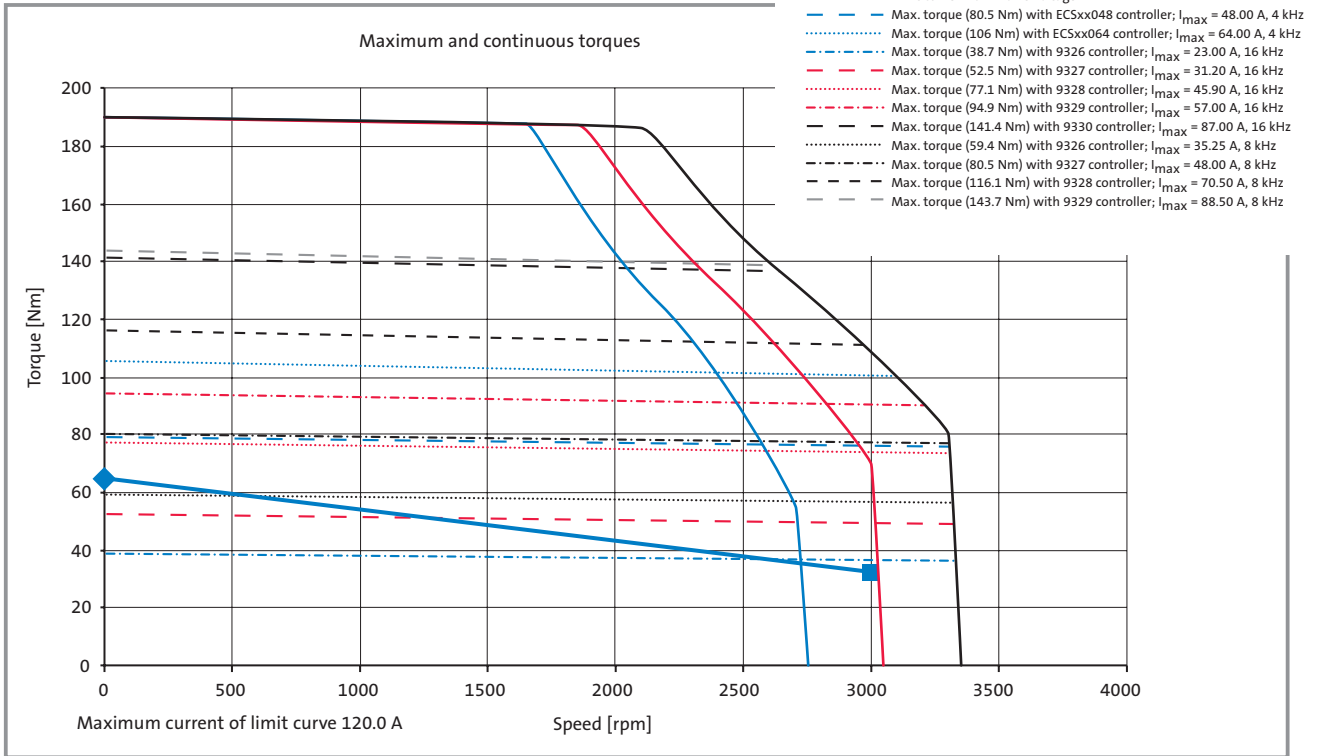


At speeds < 75 rpm servo controller derating may need to be taken into account. See "Servo controller assignment" tables.

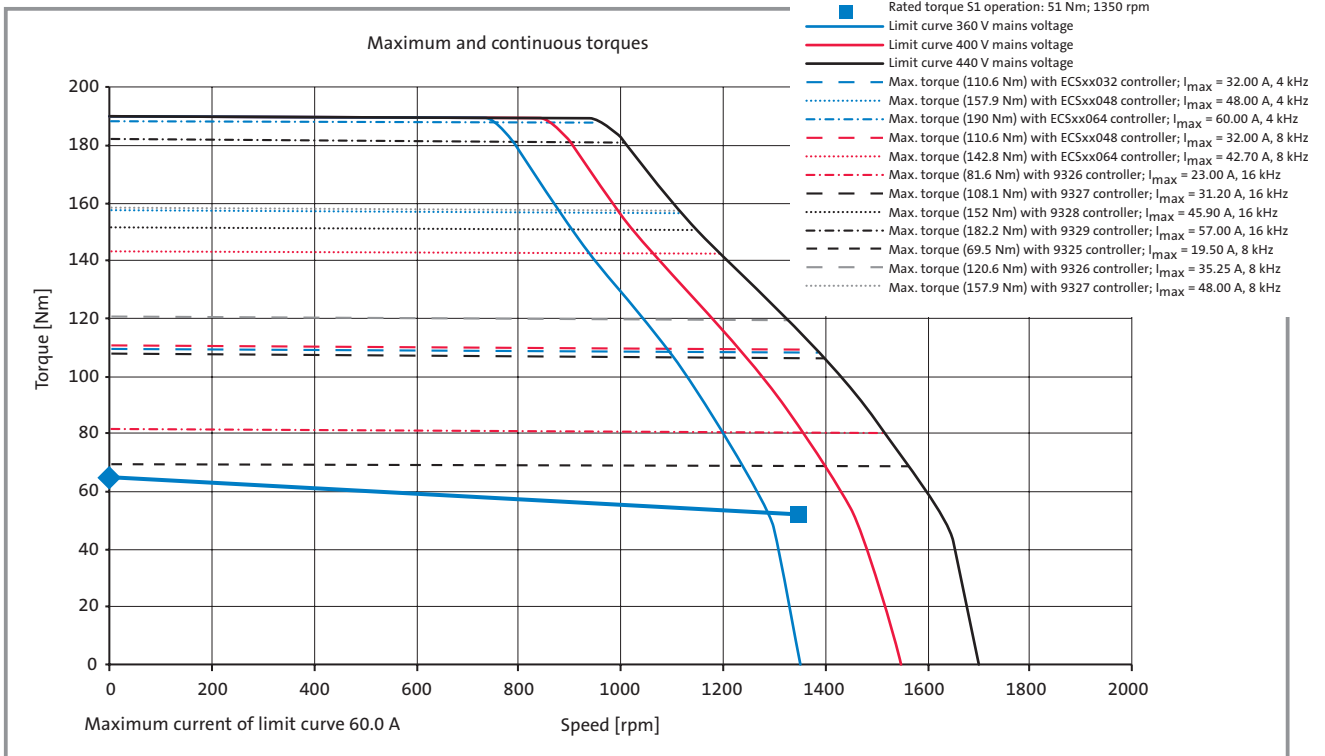


Torque characteristics

MCS 19P30



MCS 19P14



At speeds < 75 rpm servo controller derating may need to be taken into account. See "Servo controller assignment" tables.



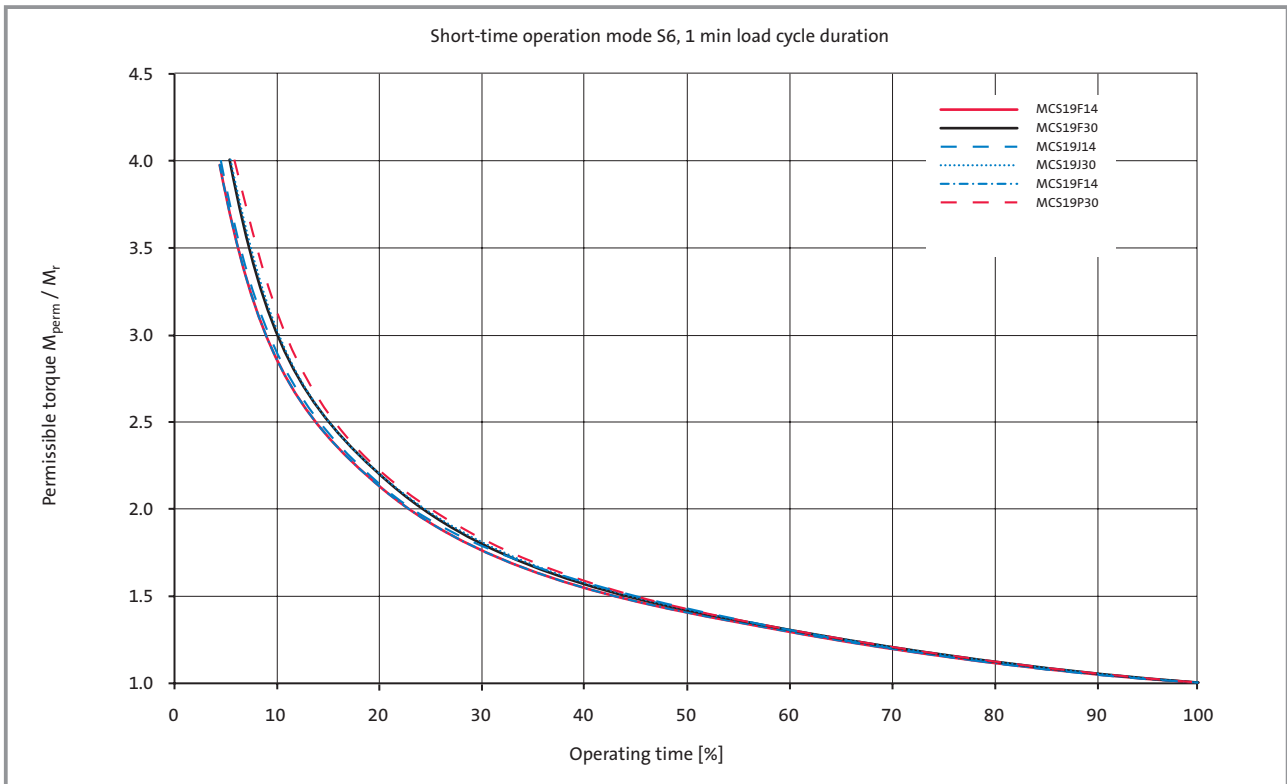
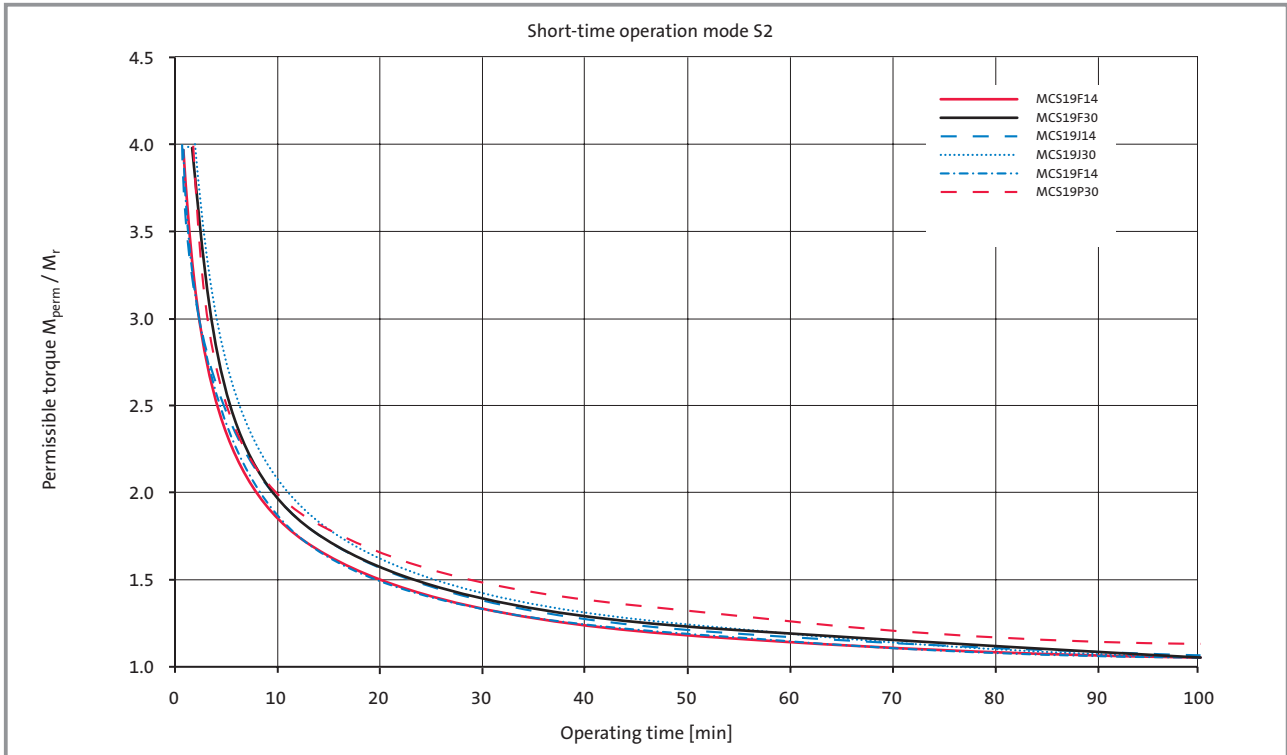
Technical data

MCS 19 synchronous servo motors

Short-time operation characteristic

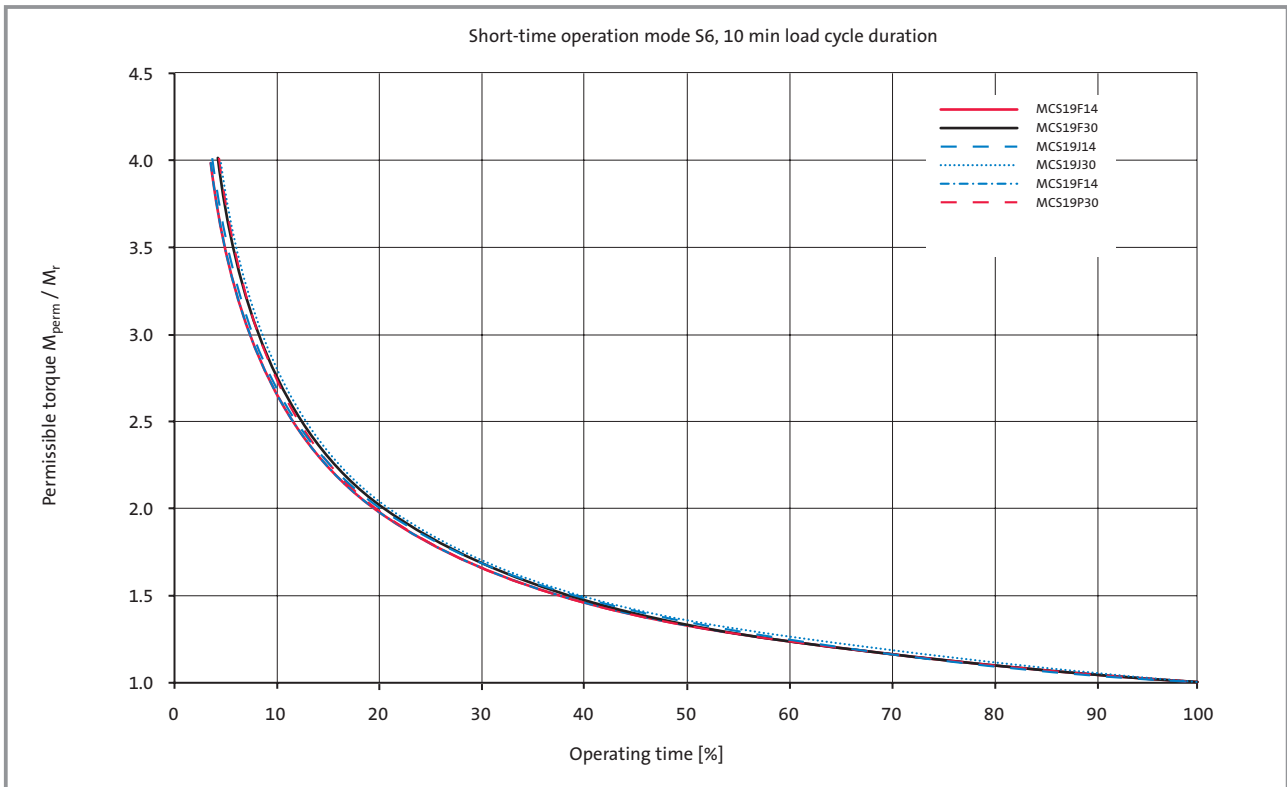
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Technical data

MCS 19 synchronous servo motors





Technical data

MCS synchronous servo motors

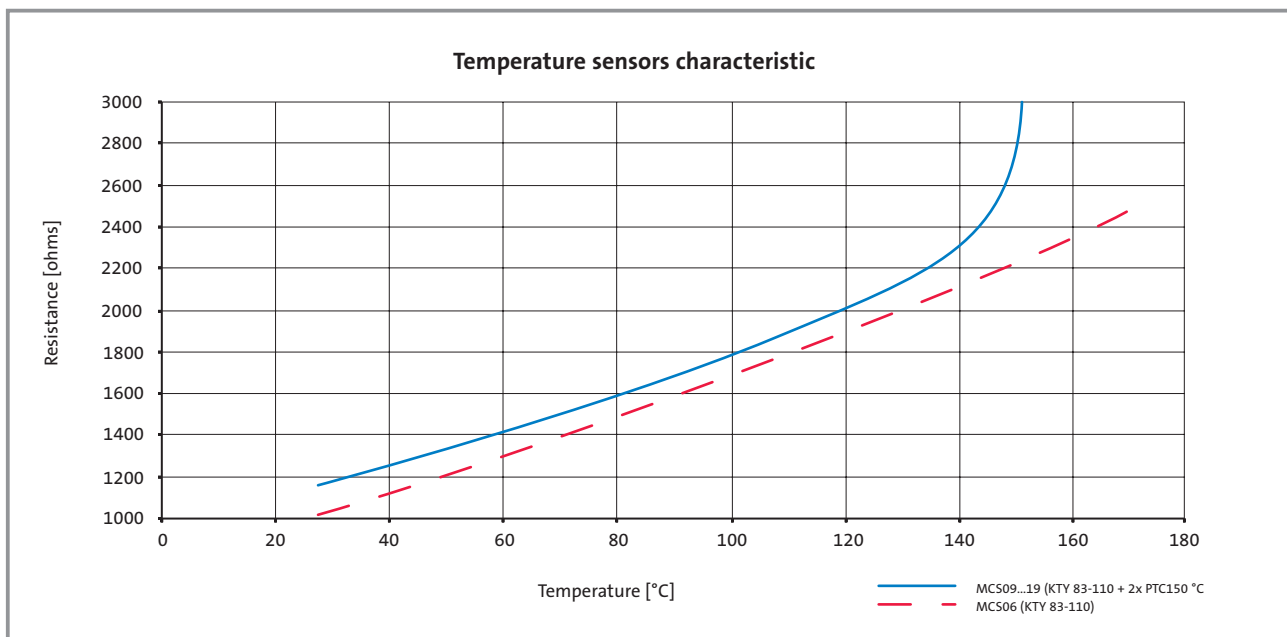
The thermal sensors used in the MCS motors continually monitor the motor temperature. The temperature information is passed to the servo controller via the system cable of the feedback system. Due to the varying physical conditions, two different types of temperature monitoring mechanisms are used with the MCS motors (neither provide full motor protection).

MCS 06

In this motor, the winding temperature of a winding phase is monitored by a KTY 83-110 thermal sensor.

MCS 09-MCS 19

These motors are monitored by three thermal sensors connected in series (1x KTY 83-110 + 2x PTC 150 °C). This enables the normal operating temperature of the motor to be measured very accurately and also, in the event of an overtemperature in one of the winding phases, allows the controller to carry out the appropriate action.



If the sensor is supplied with a measured current of 1 mA, the above relationship between the temperature and the resistance applies.

Note:

To ensure trouble-free operation, the thermal sensor must be connected to the servo controller with the correct polarity.