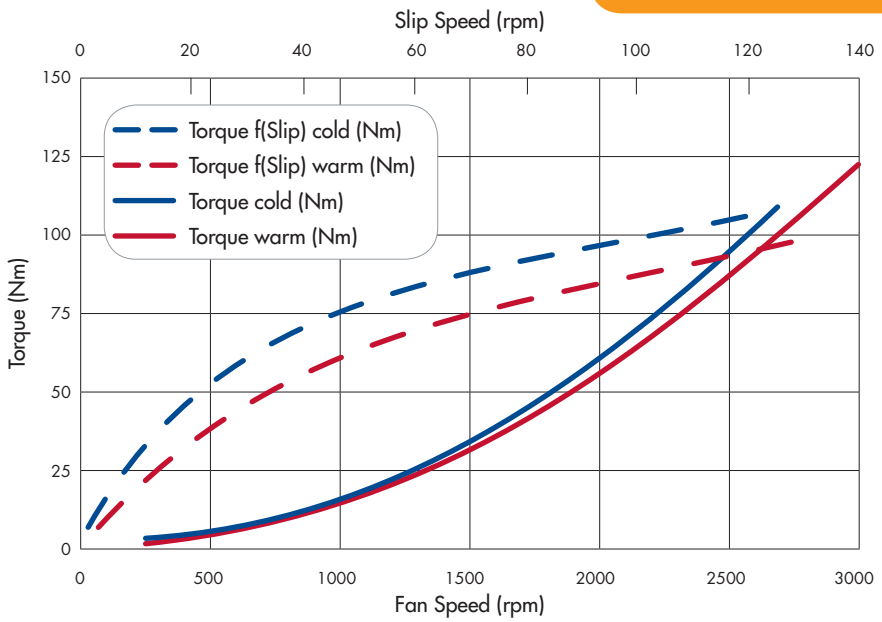
Visctronic™ 732B Fan Drives

Torque Capacity

The maximum torque of the Visctronic fan drive 732B depends on the slip speed (difference between the speed of the primary and the secondary member). According to the plot, a maximum torque of about 125 Nm can be achieved.

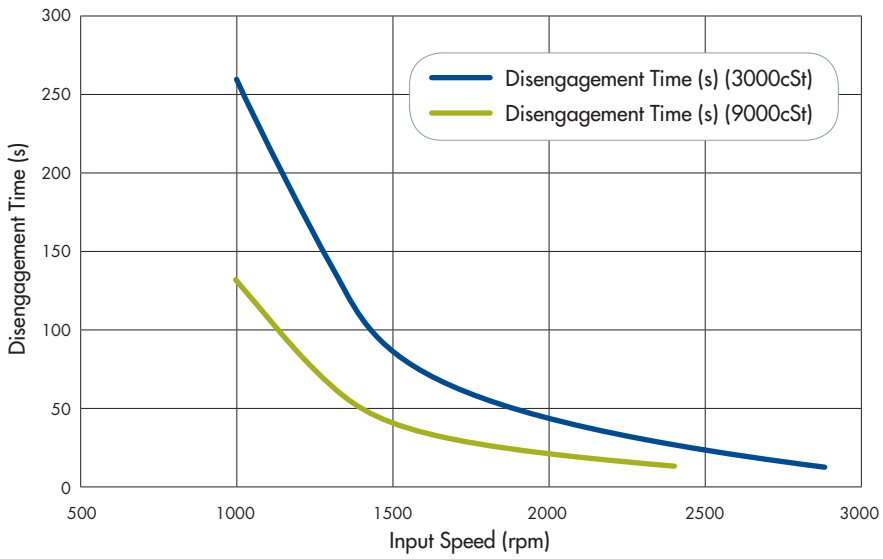
The final torque of the fan drive depends on the silicone fluid viscosity and can differ from application to application. BorgWarner customizes the torque curve to enable optimum performance for a wide range of fans with different diameters and torque characteristics.



Response Times

Since the centrifugal forces and the silicone fluid viscosity are mainly responsible for the flow rate of the fluid through the fan drive, the response behavior is mainly dependent on these two parameters.

Typical disengagement response times for the 732B fan drive are shown in the graph. For an input speed to the fan drive of approximately 1500 rpm disengagement times (time from maximum fan speed to idle speed) between 90s and 40s are typical worst-case values. Engagement times are typically below 5s across the full speed range.



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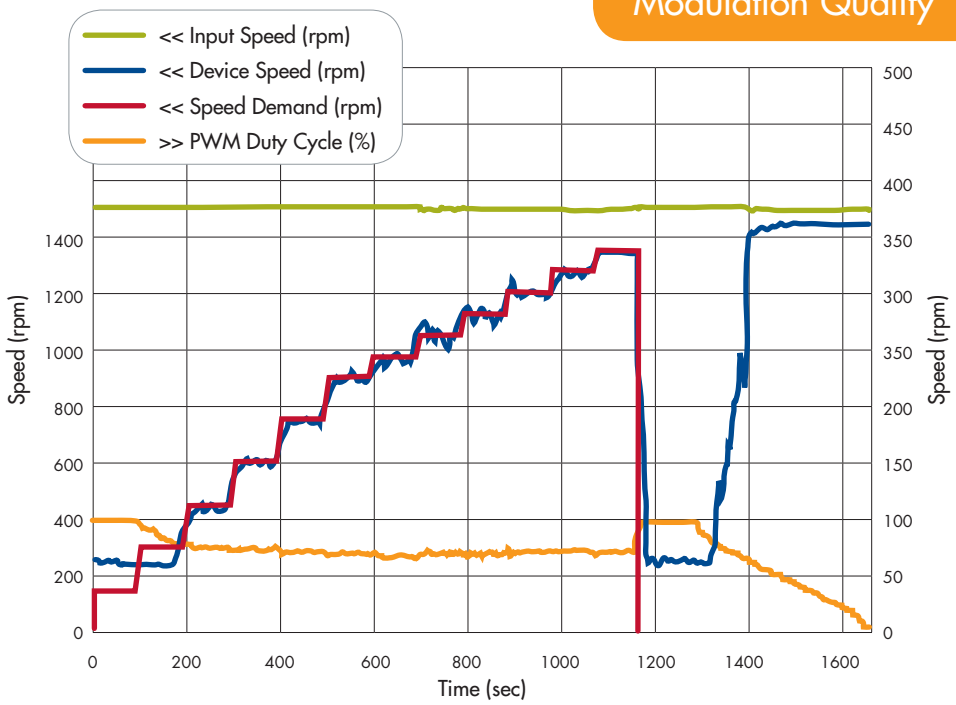
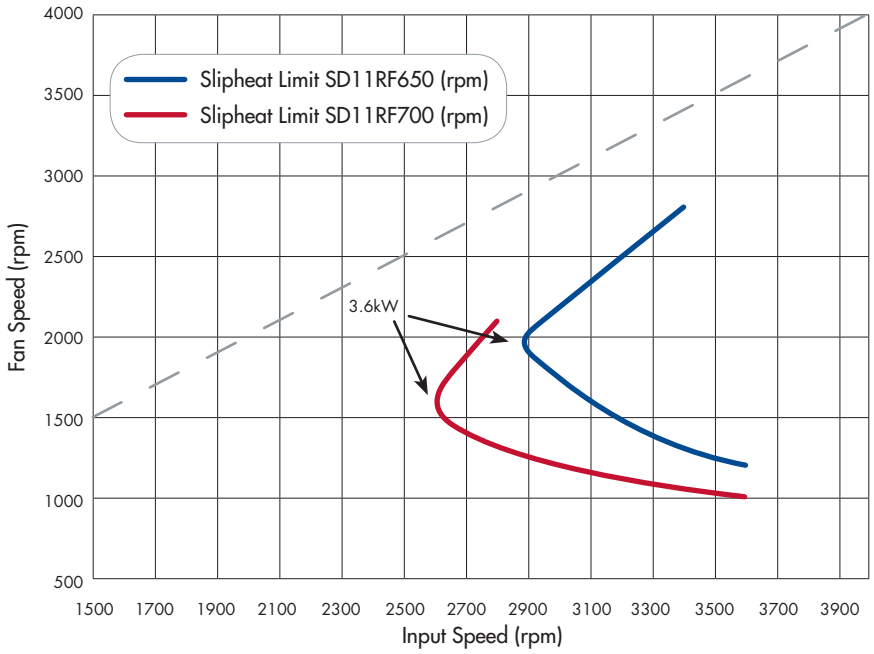
Modulation Quality



Slipheat Capacity



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