

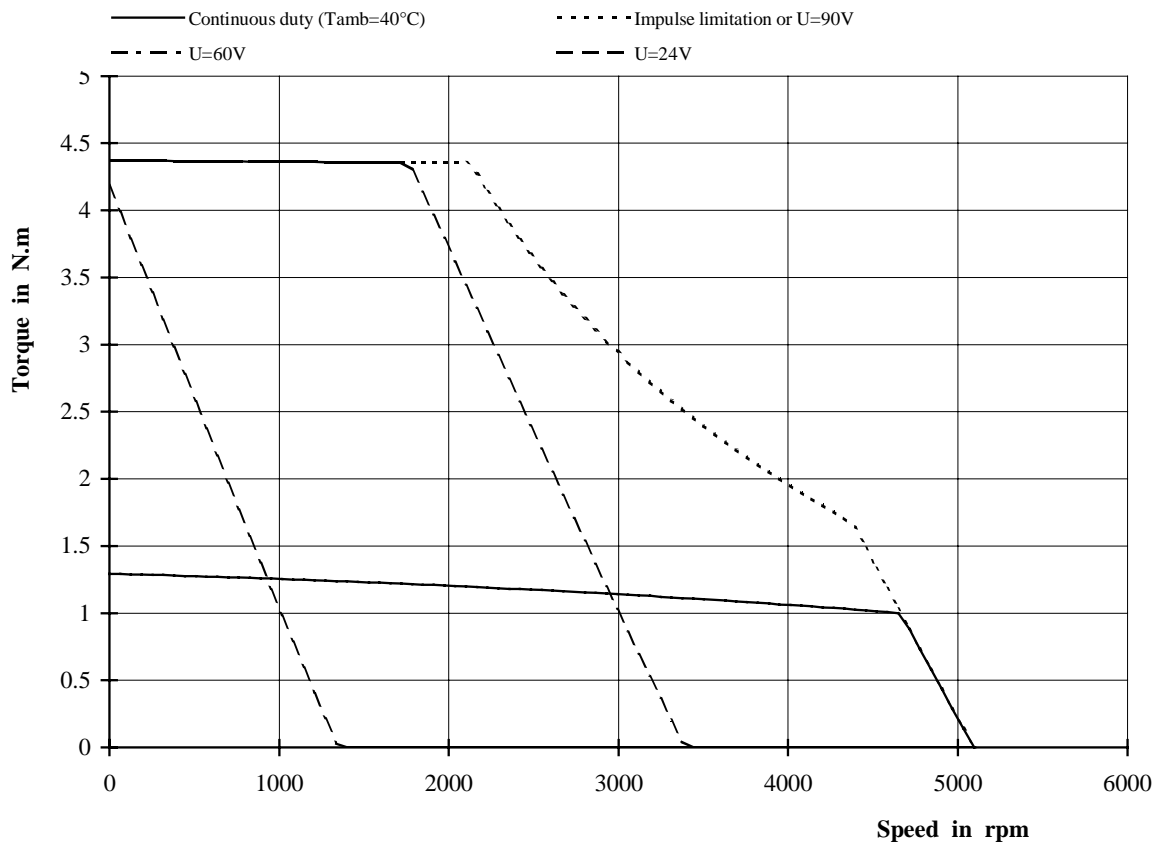
DC-SERVOMOTOR  
RS430F

# PARVEX

8 avenue du Lac  
BP249  
F-21007 DIJON Cedex

Low speed torque	<b>1.3</b>	N.m	<i>M<sub>0</sub></i>
Permanent current at low speed	<b>8.1</b>	A	<i>I<sub>0</sub></i>
Supply voltage with loaded motor	<b>43</b>	V	<i>U</i>
Definition speed	<b>2000</b>	rpm	<i>N</i>
Maximum supply voltage	<b>90</b>	V	<i>U<sub>max</sub></i>
Maximum speed	<b>5100</b>	rpm	<i>N<sub>max</sub></i>
Peak current	<b>28</b>	A	<i>I<sub>max</sub></i>
Back emf constant at 1000 rpm (25°C)*	<b>17.5</b>	V	<i>K<sub>e</sub></i>
Torque constant	<b>0.167</b>	N.m/A	<i>K<sub>t</sub></i>
Static friction torque	<b>5.7</b>	N.cm	<i>T<sub>f</sub></i>
Viscous damping for 1000 rpm	<b>0.94</b>	N.cm	<i>K<sub>d</sub></i>
Winding resistance(25°C)	<b>0.59</b>	Ω	<i>R<sub>b</sub></i>
Winding inductance	<b>1.33</b>	mH	<i>L</i>
Rotor inertia	<b>0.00031</b>	kg.m <sup>2</sup>	<i>J</i>
Thermal time constant	<b>11.5</b>	min	<i>T<sub>th</sub></i>
Motor mass	<b>2.8</b>	kg	<i>M</i>

All data are given in typical values under standard conditions



FICHER-001