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1	<div><div><div>电机性能参数Motor performance parameters</div><table><tr><th>参数项Parameter item</th><th>单位Unit</th><th>参数值Parameter values</th></tr><tr><td>极数Number of poles</td><td>/</td><td>8</td></tr><tr><td>额定功率Rated Power</td><td>W</td><td>5000</td></tr><tr><td>工作电压Operating supply voltage</td><td>V</td><td>96VDC</td></tr><tr><td>额定电流Rated Current</td><td>A</td><td>62.5</td></tr><tr><td>额定转矩Rated Torque</td><td>N.m</td><td>23.88</td></tr><tr><td>额定转速Rated Speed</td><td>rpm</td><td>2000</td></tr><tr><td>最大电流Maximum current</td><td>A</td><td>156</td></tr><tr><td>最大转矩Maximum torque</td><td>N.m</td><td>59.7</td></tr><tr><td>连续静态电流Standstill current</td><td>A</td><td>65.75</td></tr><tr><td>连续静态转矩Standstill torque</td><td>N.m</td><td>26.27</td></tr><tr><td>转动惯量Rotational inertia</td><td>kg.cm2</td><td>81</td></tr><tr><td>线电阻Resistance line-line</td><td>Ω</td><td>0.018</td></tr><tr><td>线电感Inductance line-line</td><td>mH</td><td>0.273</td></tr><tr><td>反电动势常数EMF constant</td><td>v/krpm</td><td>25.5</td></tr><tr><td>转矩常数Torque constant</td><td>Nm/A</td><td>0.42</td></tr><tr><td>电气时间常数Electrical time constant</td><td>ms</td><td>15.17</td></tr><tr><td>机械时间常数Mechanical time constant</td><td>ms</td><td>1.42</td></tr><tr><td>最大径向力Radial force Max</td><td>N</td><td>1470</td></tr><tr><td>最大轴向力Axial force Max</td><td>N</td><td>490</td></tr><tr><td>电机重量Motor Weight</td><td>kg</td><td>21.8</td></tr><tr><td>绝缘等级Insulation Class</td><td>/</td><td>F</td></tr><tr><td>防护等级Protection Degree</td><td>/</td><td>IP54</td></tr></table></div><div><div><div>TN曲线图</div><div><div>短时工作区 Intermittent</div><div>连续工作区 Continuous</div></div><div><div>转矩 (N.m)</div><div>转速 (rpm)</div></div><div><div>(1700, 59.7)</div><div>(2000, 23.88)</div></div></div></div><div><div>受控</div></div></div>									参数项Parameter item	单位Unit	参数值Parameter values	极数Number of poles	/	8	额定功率Rated Power	W	5000	工作电压Operating supply voltage	V	96VDC	额定电流Rated Current	A	62.5	额定转矩Rated Torque	N.m	23.88	额定转速Rated Speed	rpm	2000	最大电流Maximum current	A	156	最大转矩Maximum torque	N.m	59.7	连续静态电流Standstill current	A	65.75	连续静态转矩Standstill torque	N.m	26.27	转动惯量Rotational inertia	kg.cm2	81	线电阻Resistance line-line	Ω	0.018	线电感Inductance line-line	mH	0.273	反电动势常数EMF constant	v/krpm	25.5	转矩常数Torque constant	Nm/A	0.42	电气时间常数Electrical time constant	ms	15.17	机械时间常数Mechanical time constant	ms	1.42	最大径向力Radial force Max	N	1470	最大轴向力Axial force Max	N	490	电机重量Motor Weight	kg	21.8	绝缘等级Insulation Class	/	F	防护等级Protection Degree	/	IP54	1
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