

# ALPHA



## Technical Data Sheet

**Model** T1C 280S-2

<b>Housing material</b>		Casting iron
<b>Phase</b>		Three
<b>Frame size</b>		280
<b>Power(50Hz)</b>	kW	75,00
<b>Current(A)525V</b>	Δ	99,97
<b>Current(A)550V</b>	Δ	95,43
<b>Speed(50Hz)</b>	(r/min)	2930
<b>Efficiency</b>	IE1	
	Eff.100%	92,70
	Eff.75%	92,90
	Eff.50%	91,10
<b>Power factor cosφ</b>	100% load	0,89
<b>60Hz 600V</b>	Power(kW)	86
<b>Speed(60Hz)</b>	(r/min)	3516
<b>Regulations</b>		IEC / DIN / ISO / VDE / EN
<b>Standard</b>		IEC 60034
<b>Ambient Temp.</b>		-20°C ~ +40°C
<b>Maximum altitude</b>		1000 m above sea level

<b>Rated torque(N.m)</b>	244,45
<b>Tst/Tn (Times)</b>	2
<b>Tmax/Tn (Times)</b>	2,3
<b>Tmin/Tn (Times)</b>	1,4
<b>Ist/In (Times)</b>	7,5
<b>Bearings type(DE)</b>	6316C3
<b>Bearings type(NDE)</b>	6316C3
<b>Oil seals</b>	80*100*10
<b>Cable glands</b>	2-M50*1.5
<b>Insulation class</b>	F
<b>Protection degree</b>	IP 55
<b>Thermal protection</b>	Without
<b>Rotation direction</b>	Clockwise
<b>Service duty</b>	S1
<b>Balance</b>	Half-key balanced
<b>Cooling</b>	IC 411
<b>Noise dB(A)</b>	94
<b>Net weight(kg)</b>	530,00
<b>Moment of inertia (kg*m<sup>2</sup>)</b>	0,698710000



Bearings & Seals  
Chains & Sprockets  
Electric Motors & Drives  
Belts & Pulleys  
Gearboxes & Couplings  
Lubricants & Tools  
Field Services

Tel: +27 11 899 0000  
Email: [info@bearings.co.za](mailto:info@bearings.co.za)  
[www.bearings.co.za](http://www.bearings.co.za)