



# DATASHEET

## 3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

<b>MOTOR SERIES</b>	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
<b>START METHOD</b>		DIRECT ONLINE
<b>KW RATING</b>		500
<b>VOLTAGE</b>	(V)	3300
<b>PHASES</b>		3
<b>FREQUENCY</b>	(Hz)	50
<b>NO OF POLES</b>		6
<b>FRAME</b>		400DB*
<b>SPEED</b>		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	990
<b>CURRENT</b>		
FULL LOAD	(Amps)	108.41
LOCKED ROTOR	%	610
<b>TORQUE</b>		
FULL LOAD TORQUE	(Nm)	4819
STARTING TORQUE	%	130
MINIMUM TORQUE	%	100
BREAKDOWN TORQUE	%	210
<b>ROTOR INERTIA (J = GD<sup>2</sup>/4)</b>	(Kgm <sup>2</sup> )	113.2
<b>EFFICIENCY</b>		
100% LOAD	%	95.8
75% LOAD	%	95.6
50% LOAD	%	95
<b>POWER FACTOR</b>		
100% LOAD	%	84.2
75% LOAD	%	80.3
50% LOAD	%	70.8
<b>INSULATION CLASS</b>		F
<b>ENCLOSURE TYPE</b>		TEFC
<b>IP RATING</b>		55
<b>WEIGHT OF MOTOR</b>	kgs	3990
<b>BEARINGS</b>		
DRIVE END		6226
NON DRIVE END		6222
<b>NO LOAD SOUND PRESSURE LEVEL @ 1M</b>	dbA	78
<b>DESIGN STANDARD</b>		IEC60034
<b>CERTIFICATION</b>		
<b>TEMPERATURE RISE ABOVE AMBIENT</b>		< 80 DEG C