



# DATASHEET

## 3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		220
VOLTAGE	(V)	3300
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		315DB
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	986
CURRENT		
FULL LOAD	(Amps)	51.51
LOCKED ROTOR	%	570
TORQUE		
FULL LOAD TORQUE	(Nm)	2167
STARTING TORQUE	%	110
MINIMUM TORQUE	%	90
BREAKDOWN TORQUE	%	210
ROTOR INERTIA (J = GD <sup>2</sup> /4)	(Kgm <sup>2</sup> )	31.7
EFFICIENCY		
100% LOAD	%	94.2
75% LOAD	%	94.1
50% LOAD	%	93.7
POWER FACTOR		
100% LOAD	%	80.7
75% LOAD	%	76.9
50% LOAD	%	67.5
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	2000
BEARINGS		
DRIVE END		6220
NON DRIVE END		6220
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	74
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C