



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		4
FRAME		315CB
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1483
CURRENT		
FULL LOAD	(Amps)	46.04
LOCKED ROTOR	%	680
TORQUE		
FULL LOAD TORQUE	(Nm)	1441
STARTING TORQUE	%	190
MINIMUM TORQUE	%	140
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	26.2
EFFICIENCY		
100% LOAD	%	94.6
75% LOAD	%	94.9
50% LOAD	%	94.7
POWER FACTOR		
100% LOAD	%	89.9
75% LOAD	%	88.5
50% LOAD	%	84
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	1680
BEARINGS		
DRIVE END		6220
NON DRIVE END		6220
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	76
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C