



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		900
VOLTAGE	(V)	3300
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		500CB
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	993
CURRENT		
FULL LOAD	(Amps)	186.99
LOCKED ROTOR	%	710
TORQUE		
FULL LOAD TORQUE	(Nm)	8605
STARTING TORQUE	%	92
MINIMUM TORQUE	%	87
BREAKDOWN TORQUE	%	209
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	260.3
EFFICIENCY		
100% LOAD	%	96.5
75% LOAD	%	96.6
50% LOAD	%	96.2
POWER FACTOR		
100% LOAD	%	86.8
75% LOAD	%	84.1
50% LOAD	%	76.5
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	6400
BEARINGS		
DRIVE END		6230
NON DRIVE END		6226
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	82
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C