



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		1000
VOLTAGE	(V)	3300
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		500DB*
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	745
CURRENT		
FULL LOAD	(Amps)	240.46
LOCKED ROTOR	%	620
TORQUE		
FULL LOAD TORQUE	(Nm)	12808
STARTING TORQUE	%	82
MINIMUM TORQUE	%	78
BREAKDOWN TORQUE	%	216
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	432.3
EFFICIENCY		
100% LOAD	%	95.2
75% LOAD	%	94.9
50% LOAD	%	93.9
POWER FACTOR		
100% LOAD	%	76.4
75% LOAD	%	70.2
50% LOAD	%	58.1
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	8350
BEARINGS		
DRIVE END		6334
NON DRIVE END		6330
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	80
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C