



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		450
VOLTAGE	(V)	3300
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		355CA
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2980
CURRENT		
FULL LOAD	(Amps)	91.65
LOCKED ROTOR	%	715
TORQUE		
FULL LOAD TORQUE	(Nm)	1434
STARTING TORQUE	%	100
MINIMUM TORQUE	%	90
BREAKDOWN TORQUE	%	210
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	23.5
EFFICIENCY		
100% LOAD	%	95.9
75% LOAD	%	96.1
50% LOAD	%	95.5
POWER FACTOR		
100% LOAD	%	89.1
75% LOAD	%	87.5
50% LOAD	%	82.4
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	2560
BEARINGS		
DRIVE END		6315C3
NON DRIVE END		6315C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	80
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C