



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		355
VOLTAGE	(V)	3300
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		355CA
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2978
CURRENT		
FULL LOAD	(Amps)	72.87
LOCKED ROTOR	%	630
TORQUE		
FULL LOAD TORQUE	(Nm)	1136
STARTING TORQUE	%	90
MINIMUM TORQUE	%	80
BREAKDOWN TORQUE	%	190
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	19.1
EFFICIENCY		
100% LOAD	%	95.6
75% LOAD	%	95.5
50% LOAD	%	94.9
POWER FACTOR		
100% LOAD	%	89
75% LOAD	%	87.8
50% LOAD	%	83.5
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	2350
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