



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		425
VOLTAGE	(V)	3300
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		355DB*
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	991
CURRENT		
FULL LOAD	(Amps)	100.27
LOCKED ROTOR	%	700
TORQUE		
FULL LOAD TORQUE	(Nm)	4096
STARTING TORQUE	%	110
MINIMUM TORQUE	%	100
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	77.7
EFFICIENCY		
100% LOAD	%	95
75% LOAD	%	94.7
50% LOAD	%	94
POWER FACTOR		
100% LOAD	%	78.1
75% LOAD	%	72.2
50% LOAD	%	59.9
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	3200
BEARINGS		
DRIVE END		6224
NON DRIVE END		6220
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	76
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C