



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		250
VOLTAGE	(V)	3300
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		315DB
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1488
CURRENT		
FULL LOAD	(Amps)	51.6
LOCKED ROTOR	%	750
TORQUE		
FULL LOAD TORQUE	(Nm)	1603
STARTING TORQUE	%	90
MINIMUM TORQUE	%	90
BREAKDOWN TORQUE	%	210
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	30.2
EFFICIENCY		
100% LOAD	%	95.1
75% LOAD	%	95
50% LOAD	%	94.5
POWER FACTOR		
100% LOAD	%	89.1
75% LOAD	%	86.2
50% LOAD	%	80
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	1960
BEARINGS		
DRIVE END		6220
NON DRIVE END		6220
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	76
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C