



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		500
VOLTAGE	(V)	3300
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		355DB*
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1488
CURRENT		
FULL LOAD	(Amps)	105.29
LOCKED ROTOR	%	560
TORQUE		
FULL LOAD TORQUE	(Nm)	3206
STARTING TORQUE	%	160
MINIMUM TORQUE	%	120
BREAKDOWN TORQUE	%	210
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	57.7
EFFICIENCY		
100% LOAD	%	95.8
75% LOAD	%	95.9
50% LOAD	%	95.5
POWER FACTOR		
100% LOAD	%	86.7
75% LOAD	%	84.5
50% LOAD	%	77.6
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	3140
BEARINGS		
DRIVE END		6224
NON DRIVE END		6220
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	79
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C