



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		8
FRAME		400DB*
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	741
CURRENT		
FULL LOAD	(Amps)	119.12
LOCKED ROTOR	%	620
TORQUE		
FULL LOAD TORQUE	(Nm)	6438
STARTING TORQUE	%	96
MINIMUM TORQUE	%	91
BREAKDOWN TORQUE	%	204
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	140.6
EFFICIENCY		
100% LOAD	%	94.6
75% LOAD	%	94.6
50% LOAD	%	94
POWER FACTOR		
100% LOAD	%	77.6
75% LOAD	%	72.6
50% LOAD	%	61.5
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	4390
BEARINGS		
DRIVE END		6226
NON DRIVE END		6222
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	76
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C