



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		710
VOLTAGE	(V)	3300
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		450DB*
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	744
CURRENT		
FULL LOAD	(Amps)	162.4
LOCKED ROTOR	%	645
TORQUE		
FULL LOAD TORQUE	(Nm)	9092
STARTING TORQUE	%	94
MINIMUM TORQUE	%	89
BREAKDOWN TORQUE	%	213
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	317.7
EFFICIENCY		
100% LOAD	%	96.4
75% LOAD	%	96.4
50% LOAD	%	95.9
POWER FACTOR		
100% LOAD	%	79.2
75% LOAD	%	74.1
50% LOAD	%	63.7
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	5820
BEARINGS		
DRIVE END		6230
NON DRIVE END		6226
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	78
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C