



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		4
FRAME		400DB*
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1488
CURRENT		
FULL LOAD	(Amps)	151.36
LOCKED ROTOR	%	610
TORQUE		
FULL LOAD TORQUE	(Nm)	4546
STARTING TORQUE	%	120
MINIMUM TORQUE	%	110
BREAKDOWN TORQUE	%	200
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	87
EFFICIENCY		
100% LOAD	%	95.7
75% LOAD	%	95.8
50% LOAD	%	95.4
POWER FACTOR		
100% LOAD	%	85.6
75% LOAD	%	82.1
50% LOAD	%	74.1
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	4030
BEARINGS		
DRIVE END		6226
NON DRIVE END		6222
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	80
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C