



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		850
VOLTAGE	(V)	3300
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		450DB*
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	993
CURRENT		
FULL LOAD	(Amps)	179.78
LOCKED ROTOR	%	700
TORQUE		
FULL LOAD TORQUE	(Nm)	8175
STARTING TORQUE	%	100
MINIMUM TORQUE	%	100
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	280.7
EFFICIENCY		
100% LOAD	%	95.9
75% LOAD	%	95.8
50% LOAD	%	95.1
POWER FACTOR		
100% LOAD	%	86.3
75% LOAD	%	83.1
50% LOAD	%	74.6
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	5490
BEARINGS		
DRIVE END		6230
NON DRIVE END		6226
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	80
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C