



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		900
VOLTAGE	(V)	3300
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		450CB
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1490
CURRENT		
FULL LOAD	(Amps)	185.07
LOCKED ROTOR	%	720
TORQUE		
FULL LOAD TORQUE	(Nm)	5735
STARTING TORQUE	%	120
MINIMUM TORQUE	%	110
BREAKDOWN TORQUE	%	200
ROTOR INERTIA (J = GD ² /4)	(Kgm ²)	155.9
EFFICIENCY		
100% LOAD	%	96.5
75% LOAD	%	96.4
50% LOAD	%	95.9
POWER FACTOR		
100% LOAD	%	87.7
75% LOAD	%	85.4
50% LOAD	%	78.9
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	4980
BEARINGS		
DRIVE END		6226
NON DRIVE END		6222
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	83
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C