



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		670
VOLTAGE	(V)	3300
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		450CB
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	991
CURRENT		
FULL LOAD	(Amps)	150.72
LOCKED ROTOR	%	610
TORQUE		
FULL LOAD TORQUE	(Nm)	6467
STARTING TORQUE	%	110
MINIMUM TORQUE	%	120
BREAKDOWN TORQUE	%	210
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	142.5
EFFICIENCY		
100% LOAD	%	96.1
75% LOAD	%	96.2
50% LOAD	%	95.8
POWER FACTOR		
100% LOAD	%	81.1
75% LOAD	%	76.7
50% LOAD	%	67.3
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	4950
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