



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		4
FRAME		450CB
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1490
CURRENT		
FULL LOAD	(Amps)	175.81
LOCKED ROTOR	%	690
TORQUE		
FULL LOAD TORQUE	(Nm)	5448
STARTING TORQUE	%	110
MINIMUM TORQUE	%	110
BREAKDOWN TORQUE	%	210
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	145.3
EFFICIENCY		
100% LOAD	%	96.5
75% LOAD	%	96.4
50% LOAD	%	95.9
POWER FACTOR		
100% LOAD	%	87.7
75% LOAD	%	85.6
50% LOAD	%	79.4
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	4830
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