



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		400
VOLTAGE	(V)	3300
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		355CB
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1489
CURRENT		
FULL LOAD	(Amps)	82.54
LOCKED ROTOR	%	720
TORQUE		
FULL LOAD TORQUE	(Nm)	2558
STARTING TORQUE	%	90
MINIMUM TORQUE	%	90
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	50.7
EFFICIENCY		
100% LOAD	%	95.7
75% LOAD	%	95.7
50% LOAD	%	95.2
POWER FACTOR		
100% LOAD	%	88.4
75% LOAD	%	86.7
50% LOAD	%	80.5
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	2590
BEARINGS		
DRIVE END		6222
NON DRIVE END		6220
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	79
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C