



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		280
VOLTAGE	(V)	3300
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		315DB
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1488
CURRENT		
FULL LOAD	(Amps)	57.97
LOCKED ROTOR	%	750
TORQUE		
FULL LOAD TORQUE	(Nm)	1795
STARTING TORQUE	%	100
MINIMUM TORQUE	%	100
BREAKDOWN TORQUE	%	210
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	34.8
EFFICIENCY		
100% LOAD	%	95.3
75% LOAD	%	95.1
50% LOAD	%	94.7
POWER FACTOR		
100% LOAD	%	88.6
75% LOAD	%	85.3
50% LOAD	%	77.7
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	2050
BEARINGS		
DRIVE END		6220
NON DRIVE END		6220
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	76
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C