



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		2
FRAME		315DA
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2981
CURRENT		
FULL LOAD	(Amps)	58.09
LOCKED ROTOR	%	810
TORQUE		
FULL LOAD TORQUE	(Nm)	896
STARTING TORQUE	%	110
MINIMUM TORQUE	%	100
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD ² /4)	(Kgm ²)	12.9
EFFICIENCY		
100% LOAD	%	95.1
75% LOAD	%	94.9
50% LOAD	%	94.1
POWER FACTOR		
100% LOAD	%	88.6
75% LOAD	%	86
50% LOAD	%	78.8
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	1980
BEARINGS		
DRIVE END		6315C3
NON DRIVE END		6315C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	80
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C