



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		600
VOLTAGE	(V)	3300
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		400DA*
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2976
CURRENT		
FULL LOAD	(Amps)	125.41
LOCKED ROTOR	%	700
TORQUE		
FULL LOAD TORQUE	(Nm)	1914
STARTING TORQUE	%	130
MINIMUM TORQUE	%	120
BREAKDOWN TORQUE	%	210
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	38.1
EFFICIENCY		
100% LOAD	%	95.7
75% LOAD	%	95.6
50% LOAD	%	94.9
POWER FACTOR		
100% LOAD	%	87
75% LOAD	%	84.6
50% LOAD	%	78.1
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	3810
BEARINGS		
DRIVE END		6218C3
NON DRIVE END		6218C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	82
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C