



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		530
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)	112.19
LOCKED ROTOR	%	700
TORQUE		
FULL LOAD TORQUE	(Nm)	1699
STARTING TORQUE	%	120
MINIMUM TORQUE	%	110
BREAKDOWN TORQUE	%	200
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	34.2
EFFICIENCY		
100% LOAD	%	95.6
75% LOAD	%	95.4
50% LOAD	%	94.6
POWER FACTOR		
100% LOAD	%	86.4
75% LOAD	%	83.7
50% LOAD	%	76.9
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	3660
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