



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		900
VOLTAGE	(V)	3300
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		450DA*-R
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2983
CURRENT		
FULL LOAD	(Amps)	181.51
LOCKED ROTOR	%	590
TORQUE		
FULL LOAD TORQUE	(Nm)	2865
STARTING TORQUE	%	90
MINIMUM TORQUE	%	80
BREAKDOWN TORQUE	%	200
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	76.3
EFFICIENCY		
100% LOAD	%	96.2
75% LOAD	%	96.2
50% LOAD	%	95.6
POWER FACTOR		
100% LOAD	%	89.7
75% LOAD	%	88.9
50% LOAD	%	84.7
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	5350
BEARINGS		
DRIVE END		6220C3
NON DRIVE END		6220C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	84
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C