



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		315
VOLTAGE	(V)	3300
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		355DB*
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	741
CURRENT		
FULL LOAD	(Amps)	78.52
LOCKED ROTOR	%	600
TORQUE		
FULL LOAD TORQUE	(Nm)	4084
STARTING TORQUE	%	98
MINIMUM TORQUE	%	93
BREAKDOWN TORQUE	%	220
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	65.6
EFFICIENCY		
100% LOAD	%	94.2
75% LOAD	%	94.4
50% LOAD	%	94
POWER FACTOR		
100% LOAD	%	75
75% LOAD	%	68.9
50% LOAD	%	56.8
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	2960
BEARINGS		
DRIVE END		6224
NON DRIVE END		6220
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	75
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C