



DATASHEET

3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM

MOTOR SERIES	3-PHASE MEDIUM VOLTAGE HIGH EFFICIENCY SCIM	
START METHOD		DIRECT ONLINE
KW RATING		300
VOLTAGE	(V)	3300
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		355CB
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	743
CURRENT		
FULL LOAD	(Amps)	69.61
LOCKED ROTOR	%	635
TORQUE		
FULL LOAD TORQUE	(Nm)	3833
STARTING TORQUE	%	95
MINIMUM TORQUE	%	90
BREAKDOWN TORQUE	%	199
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	91.2
EFFICIENCY		
100% LOAD	%	94.1
75% LOAD	%	94.3
50% LOAD	%	94
POWER FACTOR		
100% LOAD	%	79.7
75% LOAD	%	74.8
50% LOAD	%	64.6
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	2760
BEARINGS		
DRIVE END		6222
NON DRIVE END		6220
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	75
DESIGN STANDARD		IEC60034
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C