



DATASHEET

TECO MAX-Ex (Exe,ExnA,ExtD)

MOTOR SERIES	TECO MAX-Ex (Exe,ExnA,ExtD)	
START METHOD		DIRECT ON LINE
KW RATING		37
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		250MC
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	740
CURRENT		
FULL LOAD	(Amps)	72.1
LOCKED ROTOR	%	680
TORQUE		
FULL LOAD TORQUE	(Nm)	477
STARTING TORQUE	%	269.5
MINIMUM TORQUE	%	236.5
BREAKDOWN TORQUE	%	297
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	1.41725
EFFICIENCY		
100% LOAD	%	94
75% LOAD	%	93
50% LOAD	%	92
POWER FACTOR		
100% LOAD	%	76
75% LOAD	%	70
50% LOAD	%	58.5
INSULATION CLASS		F/H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	570
BEARINGS		
DRIVE END		NU 316 C3
NON DRIVE END		6313 C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	68
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C