



DATASHEET

TECO MAX-Ex (Exe,ExnA,ExtD)

MOTOR SERIES	TECO MAX-Ex (Exe,ExnA,ExtD)	
START METHOD		DIRECT ON LINE
KW RATING		90
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		315SC
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	985
CURRENT		
FULL LOAD	(Amps)	152
LOCKED ROTOR	%	720
TORQUE		
FULL LOAD TORQUE	(Nm)	872
STARTING TORQUE	%	170.5
MINIMUM TORQUE	%	144.1
BREAKDOWN TORQUE	%	253
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	4.275
EFFICIENCY		
100% LOAD	%	96.4
75% LOAD	%	95.8
50% LOAD	%	95.2
POWER FACTOR		
100% LOAD	%	85.5
75% LOAD	%	82.5
50% LOAD	%	76
INSULATION CLASS		F/H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	980
BEARINGS		
DRIVE END		NU320 C3
NON DRIVE END		6316 C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	78
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C