



# DATASHEET

## TECO MAX-Ex (Exe,ExnA,ExtD)

<b>MOTOR SERIES</b>	TECO MAX-Ex (Exe,ExnA,ExtD)	
<b>START METHOD</b>		DIRECT ON LINE
<b>KW RATING</b>		37
<b>VOLTAGE</b>	(V)	415
<b>PHASES</b>		3
<b>FREQUENCY</b>	(Hz)	50
<b>NO OF POLES</b>		6
<b>FRAME</b>		250SC
<b>SPEED</b>		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	985
<b>CURRENT</b>		
FULL LOAD	(Amps)	62.9
LOCKED ROTOR	%	715
<b>TORQUE</b>		
FULL LOAD TORQUE	(Nm)	358
STARTING TORQUE	%	269.5
MINIMUM TORQUE	%	231
BREAKDOWN TORQUE	%	291.5
<b>ROTOR INERTIA (J = GD<sup>2</sup>/4)</b>	(Kgm <sup>2</sup> )	1.14
<b>EFFICIENCY</b>		
100% LOAD	%	95.1
75% LOAD	%	94.5
50% LOAD	%	94.5
<b>POWER FACTOR</b>		
100% LOAD	%	86
75% LOAD	%	82.5
50% LOAD	%	74
<b>INSULATION CLASS</b>		F/H
<b>ENCLOSURE TYPE</b>		TEFC
<b>IP RATING</b>		66
<b>WEIGHT OF MOTOR</b>	kgs	510
<b>BEARINGS</b>		
DRIVE END		NU 316 C3
NON DRIVE END		6313 C3
<b>NO LOAD SOUND PRESSURE LEVEL @ 1M</b>	dbA	64
<b>DESIGN STANDARD</b>		AS1359
<b>CERTIFICATION</b>		
<b>TEMPERATURE RISE ABOVE AMBIENT</b>		< 80 DEG C