



# 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>		7.5
<b>VOLTAGE</b>	(V)	415
<b>PHASES</b>		3
<b>FREQUENCY</b>	(Hz)	50
<b>NO OF POLES</b>		6
<b>FRAME</b>		160M
<b>SPEED</b>		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	970
<b>CURRENT</b>		
FULL LOAD	(Amps)	14.5
LOCKED ROTOR	%	690
<b>TORQUE</b>		
FULL LOAD TORQUE	(Nm)	73.7
STARTING TORQUE	%	297
MINIMUM TORQUE	%	258.5
BREAKDOWN TORQUE	%	297
<b>ROTOR INERTIA (J = GD<sup>2</sup>/4)</b>	(Kgm <sup>2</sup> )	0.121
<b>EFFICIENCY</b>		
100% LOAD	%	91
75% LOAD	%	90.5
50% LOAD	%	89.5
<b>POWER FACTOR</b>		
100% LOAD	%	79
75% LOAD	%	73
50% LOAD	%	61.5
<b>INSULATION CLASS</b>		F/H
<b>ENCLOSURE TYPE</b>		TEFC
<b>IP RATING</b>		66
<b>WEIGHT OF MOTOR</b>	kgs	133
<b>BEARINGS</b>		
DRIVE END		6309 ZZ C3
NON DRIVE END		6307 ZZ C3
<b>NO LOAD SOUND PRESSURE LEVEL @ 1M</b>	dbA	55
<b>DESIGN STANDARD</b>		AS1359
<b>CERTIFICATION</b>		
<b>TEMPERATURE RISE ABOVE AMBIENT</b>		< 80 DEG C