



# 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>		45
<b>VOLTAGE</b>	(V)	415
<b>PHASES</b>		3
<b>FREQUENCY</b>	(Hz)	50
<b>NO OF POLES</b>		2
<b>FRAME</b>		225MA
<b>SPEED</b>		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2960
<b>CURRENT</b>		
FULL LOAD	(Amps)	70.4
LOCKED ROTOR	%	736
<b>TORQUE</b>		
FULL LOAD TORQUE	(Nm)	145.19
STARTING TORQUE	%	165
MINIMUM TORQUE	%	132
BREAKDOWN TORQUE	%	352
<b>ROTOR INERTIA (J = GD<sup>2</sup>/4)</b>	(Kgm <sup>2</sup> )	0.29675
<b>EFFICIENCY</b>		
100% LOAD	%	95.6
75% LOAD	%	95
50% LOAD	%	94
<b>POWER FACTOR</b>		
100% LOAD	%	93
75% LOAD	%	92
50% LOAD	%	87
<b>INSULATION CLASS</b>		F/H
<b>ENCLOSURE TYPE</b>		TEFC
<b>IP RATING</b>		66
<b>WEIGHT OF MOTOR</b>	kgs	377
<b>BEARINGS</b>		
DRIVE END		6312 C3
NON DRIVE END		6212 C3
<b>NO LOAD SOUND PRESSURE LEVEL @ 1M</b>	dbA	80
<b>DESIGN STANDARD</b>		AS1359
<b>CERTIFICATION</b>		
<b>TEMPERATURE RISE ABOVE AMBIENT</b>		< 80 DEG C