



# DATASHEET

## TECO FLAMEPROOF TEFC

<b>MOTOR SERIES</b>	TECO FLAMEPROOF TEFC	
<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>		2
<b>FRAME</b>		200LA
<b>SPEED</b>		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2950
<b>CURRENT</b>		
FULL LOAD	(Amps)	61
LOCKED ROTOR	%	656
<b>TORQUE</b>		
FULL LOAD TORQUE	(Nm)	120.5
STARTING TORQUE	%	155
MINIMUM TORQUE	%	135
BREAKDOWN TORQUE	%	260
<b>ROTOR INERTIA (J = GD<sup>2</sup>/4)</b>	(Kgm <sup>2</sup> )	0.1893
<b>EFFICIENCY</b>		
100% LOAD	%	94.5
75% LOAD	%	94.5
50% LOAD	%	93.5
<b>POWER FACTOR</b>		
100% LOAD	%	90
75% LOAD	%	88
50% LOAD	%	84.5
<b>INSULATION CLASS</b>		F
<b>ENCLOSURE TYPE</b>		TEFC
<b>IP RATING</b>		55
<b>WEIGHT OF MOTOR</b>	kgs	347
<b>BEARINGS</b>		
DRIVE END		6312 C3
NON DRIVE END		6212 C3
<b>NO LOAD SOUND PRESSURE LEVEL @ 1M</b>	dbA	76
<b>DESIGN STANDARD</b>		AS1359, BS4999, IEC60079-0:2004, IEC60079-1:2007, IEC60079-7:2006
<b>CERTIFICATION</b>		Ex de, Zone 1, IIC, T4 (T3 on VSD) 50°Camb
<b>TEMPERATURE RISE ABOVE AMBIENT</b>		< 80 DEG C