



# DATASHEET

## TECO IE3 FLAMEPROOF (EXD) TEFC

<b>MOTOR SERIES</b>	TECO IE3 FLAMEPROOF (EXD) TEFC	
<b>START METHOD</b>		DIRECT ON LINE
<b>KW RATING</b>		90
<b>VOLTAGE</b>	(V)	415
<b>PHASES</b>		3
<b>FREQUENCY</b>	(Hz)	50
<b>NO OF POLES</b>		6
<b>FRAME</b>		315MC
<b>SPEED</b>		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	988
<b>CURRENT</b>		
FULL LOAD	(Amps)	153
LOCKED ROTOR	%	784
<b>TORQUE</b>		
FULL LOAD TORQUE	(Nm)	869
STARTING TORQUE	%	230
MINIMUM TORQUE	%	190
BREAKDOWN TORQUE	%	275
<b>ROTOR INERTIA (J = GD<sup>2</sup>/4)</b>	(Kgm <sup>2</sup> )	4.725
<b>EFFICIENCY</b>		
100% LOAD	%	95
75% LOAD	%	94.5
50% LOAD	%	93.8
<b>POWER FACTOR</b>		
100% LOAD	%	86
75% LOAD	%	83
50% LOAD	%	76
<b>INSULATION CLASS</b>		F
<b>ENCLOSURE TYPE</b>		TEFC
<b>IP RATING</b>		56
<b>WEIGHT OF MOTOR</b>	kgs	1480
<b>BEARINGS</b>		
DRIVE END		NU320 C3
NON DRIVE END		6316 C3
<b>NO LOAD SOUND PRESSURE LEVEL @ 1M</b>	dbA	73
<b>DESIGN STANDARD</b>		BS4999, IEC60034, IEC60079-1:2014, IEC60079-0:2011
<b>CERTIFICATION</b>		Ex db, IIC, T4, Gb and Ex db, I, Mb both -20°C < Tamb < 55°C
<b>TEMPERATURE RISE ABOVE AMBIENT</b>		< 80 DEG C