



# DATASHEET

## TECO IE3 FLAMEPROOF (EXD) TEFC

MOTOR SERIES	TECO IE3 FLAMEPROOF (EXD) TEFC	
START METHOD		DIRECT ON LINE
KW RATING		11
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		160L
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	965
CURRENT		
FULL LOAD	(Amps)	21.3
LOCKED ROTOR	%	722
TORQUE		
FULL LOAD TORQUE	(Nm)	109
STARTING TORQUE	%	285
MINIMUM TORQUE	%	255
BREAKDOWN TORQUE	%	295
ROTOR INERTIA (J = GD <sup>2</sup> /4)	(Kgm <sup>2</sup> )	0.1575
EFFICIENCY		
100% LOAD	%	90.3
75% LOAD	%	91
50% LOAD	%	90.5
POWER FACTOR		
100% LOAD	%	80
75% LOAD	%	74.5
50% LOAD	%	63
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		56
WEIGHT OF MOTOR	kgs	197
BEARINGS		
DRIVE END		6309 ZZ C3
NON DRIVE END		6307 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	56
DESIGN STANDARD		BS4999, IEC60034, IEC60079-1:2014, IEC60079-0:2011
CERTIFICATION		Ex db, IIB, T4, Gb and Ex db, I, Mb both -20°C < Tamb < 55°C
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C