



# DATASHEET

## TECO IE3 FLAMEPROOF (EXD) TEFC

MOTOR SERIES	TECO IE3 FLAMEPROOF (EXD) TEFC	
START METHOD		DIRECT ON LINE
KW RATING		1.1
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		80
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2815
CURRENT		
FULL LOAD	(Amps)	2.17
LOCKED ROTOR	%	921
TORQUE		
FULL LOAD TORQUE	(Nm)	3.7
STARTING TORQUE	%	300
MINIMUM TORQUE	%	260
BREAKDOWN TORQUE	%	330
ROTOR INERTIA (J = GD <sup>2</sup> /4)	(Kgm <sup>2</sup> )	0.0018
EFFICIENCY		
100% LOAD	%	83
75% LOAD	%	84
50% LOAD	%	82
POWER FACTOR		
100% LOAD	%	85
75% LOAD	%	79
50% LOAD	%	66
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		56
WEIGHT OF MOTOR	kgs	31
BEARINGS		
DRIVE END		6204 ZZ C3
NON DRIVE END		6204 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	55
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