



DATASHEET

TECO IE3 FLAMEPROOF (EXD) TEFC

MOTOR SERIES	TECO IE3 FLAMEPROOF (EXD) TEFC	
START METHOD		DIRECT ON LINE
KW RATING		18.5
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		160L-2P
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2940
CURRENT		
FULL LOAD	(Amps)	30.6
LOCKED ROTOR	%	606
TORQUE		
FULL LOAD TORQUE	(Nm)	60
STARTING TORQUE	%	260
MINIMUM TORQUE	%	225
BREAKDOWN TORQUE	%	300
ROTOR INERTIA (J = GD ² /4)	(Kgm ²)	0.0593
EFFICIENCY		
100% LOAD	%	93
75% LOAD	%	93.5
50% LOAD	%	93
POWER FACTOR		
100% LOAD	%	90.5
75% LOAD	%	87
50% LOAD	%	79.5
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	67
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