



DATASHEET

TECO IE3 FLAMEPROOF (EXD) TEFC

MOTOR SERIES	TECO IE3 FLAMEPROOF (EXD) TEFC	
START METHOD		DIRECT ON LINE
KW RATING		15
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		180LC
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	970
CURRENT		
FULL LOAD	(Amps)	27.2
LOCKED ROTOR	%	744
TORQUE		
FULL LOAD TORQUE	(Nm)	147
STARTING TORQUE	%	230
MINIMUM TORQUE	%	165
BREAKDOWN TORQUE	%	250
ROTOR INERTIA (J = GD ² /4)	(Kgm ²)	0.3355
EFFICIENCY		
100% LOAD	%	91.5
75% LOAD	%	92
50% LOAD	%	92
POWER FACTOR		
100% LOAD	%	84
75% LOAD	%	81
50% LOAD	%	72.5
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		56
WEIGHT OF MOTOR	kgs	254
BEARINGS		
DRIVE END		6311 ZZ C3
NON DRIVE END		6310 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