



DATASHEET

TECO IE3 FLAMEPROOF (EXD) TEFC

MOTOR SERIES	TECO IE3 FLAMEPROOF (EXD) TEFC	
START METHOD		DIRECT ON LINE
KW RATING		7.5
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		160L
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	720
CURRENT		
FULL LOAD	(Amps)	16.7
LOCKED ROTOR	%	680
TORQUE		
FULL LOAD TORQUE	(Nm)	99.4
STARTING TORQUE	%	225
MINIMUM TORQUE	%	215
BREAKDOWN TORQUE	%	295
ROTOR INERTIA (J = GD ² /4)	(Kgm ²)	0.168
EFFICIENCY		
100% LOAD	%	88
75% LOAD	%	88
50% LOAD	%	86
POWER FACTOR		
100% LOAD	%	71
75% LOAD	%	64.5
50% LOAD	%	51
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
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