



DATASHEET

TECO IE3 FLAMEPROOF (EXD) TEFC

MOTOR SERIES	TECO IE3 FLAMEPROOF (EXD) TEFC	
START METHOD		DIRECT ON LINE
KW RATING		30
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		225MC
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	985
CURRENT		
FULL LOAD	(Amps)	53.5
LOCKED ROTOR	%	570
TORQUE		
FULL LOAD TORQUE	(Nm)	290
STARTING TORQUE	%	210
MINIMUM TORQUE	%	170
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.7558
EFFICIENCY		
100% LOAD	%	94
75% LOAD	%	94
50% LOAD	%	93.5
POWER FACTOR		
100% LOAD	%	83
75% LOAD	%	79.5
50% LOAD	%	70
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		56
WEIGHT OF MOTOR	kgs	468
BEARINGS		
DRIVE END		6313 C3
NON DRIVE END		6213 C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	60
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