



DATASHEET

TECO IE3 FLAMEPROOF (EXD) TEFC

MOTOR SERIES	TECO IE3 FLAMEPROOF (EXD) TEFC	
START METHOD		DIRECT ON LINE
KW RATING		90
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		315MC
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	737
CURRENT		
FULL LOAD	(Amps)	162
LOCKED ROTOR	%	741
TORQUE		
FULL LOAD TORQUE	(Nm)	1164
STARTING TORQUE	%	130
MINIMUM TORQUE	%	110
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	6.675
EFFICIENCY		
100% LOAD	%	93.4
75% LOAD	%	93.5
50% LOAD	%	92.7
POWER FACTOR		
100% LOAD	%	82.5
75% LOAD	%	76.5
50% LOAD	%	64.5
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		56
WEIGHT OF MOTOR	kgs	1480
BEARINGS		
DRIVE END		NU320 C3
NON DRIVE END		6316 C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	
DESIGN STANDARD		BS4999, IEC60034, IEC60079-1:2014, IEC60079-0:2011
CERTIFICATION		Ex db, IIC, T4, Gb and Ex db, I, Mb both -20°C < Tamb < 55°C
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C