



DATASHEET

TECO IE3 FLAMEPROOF (EXD) TEFC

MOTOR SERIES	TECO IE3 FLAMEPROOF (EXD) TEFC	
START METHOD		DIRECT ON LINE
KW RATING		160
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		315MA
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2978
CURRENT		
FULL LOAD	(Amps)	256
LOCKED ROTOR	%	859
TORQUE		
FULL LOAD TORQUE	(Nm)	512
STARTING TORQUE	%	180
MINIMUM TORQUE	%	130
BREAKDOWN TORQUE	%	220
ROTOR INERTIA (J = GD ² /4)	(Kgm ²)	1.624
EFFICIENCY		
100% LOAD	%	95.6
75% LOAD	%	95.6
50% LOAD	%	95
POWER FACTOR		
100% LOAD	%	91
75% LOAD	%	90.9
50% LOAD	%	86.9
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		56
WEIGHT OF MOTOR	kgs	1380
BEARINGS		
DRIVE END		6316 C3
NON DRIVE END		6316 C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	82
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