



DATASHEET

TECO IE3 FLAMEPROOF (EXD) TEFC

MOTOR SERIES	TECO IE3 FLAMEPROOF (EXD) TEFC	
START METHOD		DIRECT ON LINE
KW RATING		0.75
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		90L
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	935
CURRENT		
FULL LOAD	(Amps)	1.81
LOCKED ROTOR	%	552
TORQUE		
FULL LOAD TORQUE	(Nm)	7.6
STARTING TORQUE	%	200
MINIMUM TORQUE	%	155
BREAKDOWN TORQUE	%	235
ROTOR INERTIA (J = GD ² /4)	(Kgm ²)	0.0055
EFFICIENCY		
100% LOAD	%	79
75% LOAD	%	80
50% LOAD	%	78.5
POWER FACTOR		
100% LOAD	%	73
75% LOAD	%	64.5
50% LOAD	%	51.5
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		56
WEIGHT OF MOTOR	kgs	42
BEARINGS		
DRIVE END		6205 ZZ C3
NON DRIVE END		6205 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	45
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