



DATASHEET

TECO IE3 FLAMEPROOF (EXD) TEFC

MOTOR SERIES	TECO IE3 FLAMEPROOF (EXD) TEFC		
START METHOD			DIRECT ON LINE
KW RATING			4
VOLTAGE	(V)		415
PHASES			3
FREQUENCY	(Hz)		50
NO OF POLES			2
FRAME			112M
SPEED			
SYNCHRONOUS	(rpm)		3000
FULL LOAD	(rpm)		2885
CURRENT			
FULL LOAD	(Amps)		6.95
LOCKED ROTOR	%		1036
TORQUE			
FULL LOAD TORQUE	(Nm)		13.2
STARTING TORQUE	%		315
MINIMUM TORQUE	%	300	
BREAKDOWN TORQUE	%		350
ROTOR INERTIA (J = GD²/4)	(Kgm ²)		0.0115
EFFICIENCY			
100% LOAD	%		89
75% LOAD	%		90.5
50% LOAD	%		90
POWER FACTOR			
100% LOAD	%		90
75% LOAD	%		87
50% LOAD	%		80
INSULATION CLASS			F
ENCLOSURE TYPE			TEFC
IP RATING			56
WEIGHT OF MOTOR	kgs		62
BEARINGS			
DRIVE END			6306 ZZ C3
NON DRIVE END			6306 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA		59
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