



DATASHEET

TECO FLAMEPROOF TEFC

MOTOR SERIES	TECO FLAMEPROOF TEFC	
START METHOD		DIRECT ON LINE
KW RATING		37
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		4
FRAME		225SC
SPEED		
SYNCHRONOUS	(rpm)	1500
FULL LOAD	(rpm)	1475
CURRENT		
FULL LOAD	(Amps)	64.3
LOCKED ROTOR	%	668
TORQUE		
FULL LOAD TORQUE	(Nm)	241
STARTING TORQUE	%	200
MINIMUM TORQUE	%	180
BREAKDOWN TORQUE	%	240
ROTOR INERTIA (J = GD ² /4)	(Kgm ²)	0.474
EFFICIENCY		
100% LOAD	%	95
75% LOAD	%	95
50% LOAD	%	94.5
POWER FACTOR		
100% LOAD	%	85
75% LOAD	%	81
50% LOAD	%	73
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	419
BEARINGS		
DRIVE END		6313 C3
NON DRIVE END		6213 C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	69
DESIGN STANDARD		AS1359, BS4999, IEC60079-0:2004, IEC60079-1:2007, IEC60079-7:2006
CERTIFICATION		Ex de, Zone 1, IIC, T4 (T3 on VSD) 50°Camb
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C