



DATASHEET

TECO FLAMEPROOF TEFC

MOTOR SERIES	TECO FLAMEPROOF TEFC	
START METHOD		DIRECT ON LINE
KW RATING		45
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		225MA
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2955
CURRENT		
FULL LOAD	(Amps)	71.6
LOCKED ROTOR	%	670
TORQUE		
FULL LOAD TORQUE	(Nm)	144.4
STARTING TORQUE	%	140
MINIMUM TORQUE	%	130
BREAKDOWN TORQUE	%	230
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.311
EFFICIENCY		
100% LOAD	%	94.5
75% LOAD	%	94.5
50% LOAD	%	93.5
POWER FACTOR		
100% LOAD	%	92
75% LOAD	%	91
50% LOAD	%	88
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		55
WEIGHT OF MOTOR	kgs	439
BEARINGS		
DRIVE END		6312 C3
NON DRIVE END		6212 C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	78
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