



Low Voltage 3-Phase Squirrel Cage Induction Motors Datasheet

MOTOR SERIES	TECO MAX-E2 TEFC Cast Iron Frame to 185kW		
START METHOD			DIRECT ON LINE
KW RATING			11
VOLTAGE		(V)	415
PHASES			3
FREQUENCY		(Hz)	50
NO OF POLES			4
FRAME			160M
SPEED			
	SYNCHRONOUS	(rpm)	1500
	FULL LOAD	(rpm)	1460
CURRENT			
	FULL LOAD	(Amps)	19.8
	LOCKED ROTOR	%	732
TORQUE			
	FULL LOAD TORQUE	(Nm)	72
	STARTING TORQUE	%	230
	MINIMUM TORQUE	%	190
	BREAKDOWN TORQUE	%	250
ROTOR INERTIA (J = $GD^2/4$)		(Kgm ²)	0.0915
EFFICIENCY			
	100% LOAD	%	92.5
	75% LOAD	%	91
	50% LOAD	%	90.5
POWER FACTOR			
	100% LOAD	%	83.5
	75% LOAD	%	80
	50% LOAD	%	72
INSULATION CLASS			F
ENCLOSURE TYPE			TEFC
IP RATING			66
WEIGHT OF MOTOR		kgs	133
BEARINGS			
	DRIVE END		6309 ZZ
	NON DRIVE END		6307 ZZ
NO LOAD SOUND PRESSURE LEVEL @ 1M		dbA	56
DESIGN STANDARD			AS1359
TEMPERATURE RISE ABOVE AMBIENT			< 80 DEG C