



DATASHEET

TECO MAX-Ex (Exe,ExnA,ExtD)

MOTOR SERIES	TECO MAX-Ex (Exe,ExnA,ExtD)	
START METHOD		DIRECT ON LINE
KW RATING		18.5
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		6
FRAME		200LC
SPEED		
SYNCHRONOUS	(rpm)	1000
FULL LOAD	(rpm)	975
CURRENT		
FULL LOAD	(Amps)	33.7
LOCKED ROTOR	%	653
TORQUE		
FULL LOAD TORQUE	(Nm)	181
STARTING TORQUE	%	253
MINIMUM TORQUE	%	181.5
BREAKDOWN TORQUE	%	269.5
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.459
EFFICIENCY		
100% LOAD	%	93
75% LOAD	%	93
50% LOAD	%	92.5
POWER FACTOR		
100% LOAD	%	82
75% LOAD	%	78.5
50% LOAD	%	69.5
INSULATION CLASS		F/H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	295
BEARINGS		
DRIVE END		6312 C3
NON DRIVE END		6212 C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	55
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C