



DATASHEET

TECO MAX-Ex (Exe,ExnA,ExtD)

MOTOR SERIES	TECO MAX-Ex (Exe,ExnA,ExtD)	
START METHOD		DIRECT ON LINE
KW RATING		90
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		280SA
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2960
CURRENT		
FULL LOAD	(Amps)	145
LOCKED ROTOR	%	755
TORQUE		
FULL LOAD TORQUE	(Nm)	290.37
STARTING TORQUE	%	143
MINIMUM TORQUE	%	121
BREAKDOWN TORQUE	%	253
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	0.675
EFFICIENCY		
100% LOAD	%	96.1
75% LOAD	%	95.7
50% LOAD	%	94.8
POWER FACTOR		
100% LOAD	%	90
75% LOAD	%	88
50% LOAD	%	82
INSULATION CLASS		F/H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	660
BEARINGS		
DRIVE END		6314 C3
NON DRIVE END		6314 C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	85
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C