



DATASHEET

AFJE MAXE3 MINING

MOTOR SERIES	AFJE MAXE3 MINING	
START METHOD		DIRECT ONLINE
KW RATING		110
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		8
FRAME		315AC
SPEED		
SYNCHRONOUS	(rpm)	750
FULL LOAD	(rpm)	737
CURRENT		
FULL LOAD	(Amps)	202
LOCKED ROTOR	%	643
TORQUE		
FULL LOAD TORQUE	(Nm)	1425
STARTING TORQUE	%	120
MINIMUM TORQUE	%	108
BREAKDOWN TORQUE	%	220
ROTOR INERTIA (J = GD²/4)	(Kgm ²)	7.475
EFFICIENCY		
100% LOAD	%	94.8
75% LOAD	%	94.5
50% LOAD	%	93
POWER FACTOR		
100% LOAD	%	81.4
75% LOAD	%	76.2
50% LOAD	%	65.6
INSULATION CLASS		H
ENCLOSURE TYPE		TEFC
IP RATING		66
WEIGHT OF MOTOR	kgs	1500
BEARINGS		
DRIVE END		6320
NON DRIVE END		6320
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	
DESIGN STANDARD		AS1359
CERTIFICATION		
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C