ABB Motors and Generators

INVERTER DRIVE

EU - MEPS

Motor data sheet
M3JP 315SMC 4

Definition	Data	Unit	Remarks
Product code	3GJP 312 230-**K		
Voltage code	D		
Type/Frame	M3JP 315SMC 4		
Design	CENELEC		
Efficiency class	IE3		
Rated output P_N	110	kW	
Rated voltage U_N	400	V D	± 5 % (IEC 60034-1)
Rated frequency f_N	50	Hz	± 2 % (IEC 60034-1)
Rated speed n_N	1491	r/min	
Rated current I_N	194	A	
Starting current I_S/I_N	7.8		
Nominal torque T_N	704	Nm	
Locked rotor torque T_l/T_N	2.4		
Maximum torque T_b/T_N	3.1		
Efficiency - full load 100%	96.25	%	Acc. to IEC 60034-2-1
Efficiency - 75%	96.48	%	
Efficiency - 50%	96.13	%	
Power factor - full load 100%	0.85		
Bearing DE/NDE	6319/C3 6316/C3		
Sound pressure level L_{PA} dB	68	dB(A)	+3dB(A)
Moment of inertia J = ¼ GD^2 kgm^2	2.9	kg-m²	
Weight	1093	kg	
Type of protection	Ex d IIB T4 Gb		
Certification No.	LCIE 11 ATEX 3090 X		
tE time	-1	s	