

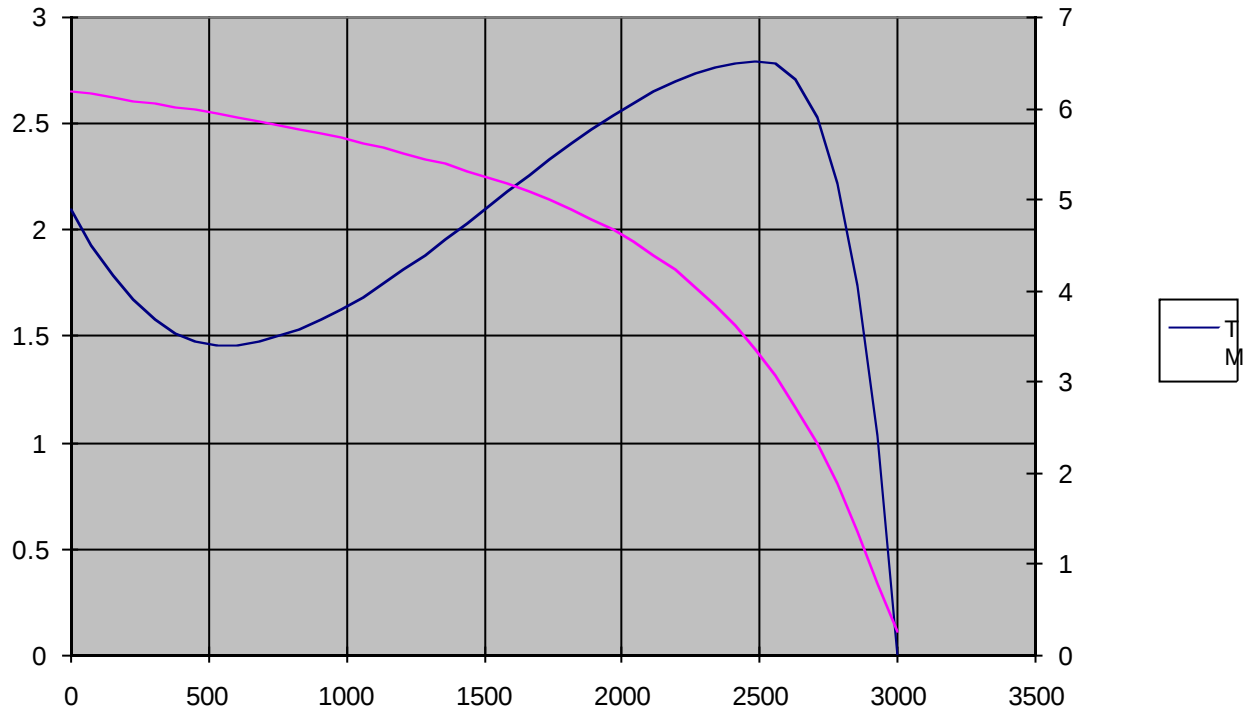


Technical Data Sheet		ABB ref. no.	
Customer:		Date:	
Project name:		Handled by:	
Customer ref.		Item Name:	
		Case:	
		Revision:	
Definition	Data / Unit	Remarks	
Product	TEFC, 3-phase, squirrel cage induction motor		
Product code	3GBP 161 101-A		
Type/Frame	M3BP 160 MA 2		
Design	Basic		
Rated output P_N	11	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	2930	r/min	
Rated current I_N	20	A	
No-load current	5.4	A	
Starting current I_S/I_N	6.2		
Nominal torque T_N	36	Nm	
Locked rotor torque T_S/T_N	2.1		
Maximum torque T_{max}/T_N	2.8		
Minimum torque T_{min}/T_N	1.46		
Speed at minimum torque	0.18	r/min	
Efficiency - full load 100%	91 / EFF1	%	Acc. to IEC 60034- 2
Efficiency - 75%	91.2	%	
Efficiency - 50%	91.3	%	
Power factor - full load 100%	0.88		
Power factor - 75%	0.86		
Power factor - 50%	0.8		
Power factor at start	0.44		
Insulation class / Temperature class	F / B	B	
Ambient temperature	40	°C	
Bearing DE/NDE	6309/C3 - 6309/C3		
Sound pressure level (LP dB(A) 1m)	69	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$	0.039	kg-m ²	
Weight	105	kg	
Ex-motors			
Type of protection			
Certification No.			
t_E time		s	
Remarks:			
Data based on catalogue values			
Guaranteed values on request			



M3BP 160 MA 2

Starting performance



Running performance

