ABB Motors and Generators	Technical Data Sheet - DOL			
	Project		Location	
Department/Author	Customer name		Customer ref.	Item name
Our ref.	Rev/Changed by	Date of issue	Saving ident	Pages **1(3)**

No.	Definition	Data	Unit	Remarks	
1	Product	***TEFC, 3-phase, squirrel cage induction motor***			
2	Product code	***MVM08754D-AP (3GAA082314-BSE+332)***			
3	Type/Frame	***M3AA 80 D 4***			
4	Mounting	***IM3001, B5(flange)***			
5	Rated output P_N	***0.75***	kW		
6	Service factor	***1***			
7	Type of duty	***S1(IEC) 100%***			
8	Rated voltage U_N	***230***	VD	± 5 % (IEC 60034-1)	
9	Rated frequency f_N	***50***	Hz	± 2 % (IEC 60034-1)	
10	Rated speed n_N	***1415***	r/min		
11	Rated current I_N	***2.8***	A		
12	No-load current	***1.98***	A		
13	Starting current I_s/I_N	***5.9***		Fullfilled IEC 60034-12 design N,H	
14	Nominal torque T_N	***5.1***	Nm		
15	Locked rotor torque T_S/T_N	***2.6***			
16	Maximum torque T_{max}/T_N	***3.2***			
17	Minimum torque T_{min}/T_N	***2.4***			
18	Speed at minimum torque	***150***	r/min		
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %	Power factor
20	PLL determined from residual loss	*100*	**2.8**	**79.8 / IE2**	**0.82**
21		*75*	**2.3**	**81.3**	**0.73**
22		*50*	**1.99**	**79.9**	**0.59**
23		*Start*	**16.9**		**0.81**
24	Maximum starting time from hot	***20***	s		
25	Maximum starting time from cold	***36***	s		
26	Insulation class / Temperature class	***F / B***			
27	Ambient temperature	***40***	°C		
28	Altitude	***1000***	m.a.s.l.		
29	Enclosure	***IP55***			
30	Cooling system	***IC411 self ventilated***			
31	Bearing DE/NDE	***6204-2Z/C3 - 6203-2Z/C3***			
32	Type of Grease	***Greased for life***			
33	Sound pressure level (LP dB(A) 1m)	***50***	dB(A)	at load	
34	Moment of inertia J = ¼ GD2	***0.0016***	kg-m2		
35	Balancing	***Half Key***			
36	Vibration class	***Grade A***			
37	Position of terminal box	***Top***			
38	Terminal box entries; no, dimens.	***2xM20***			
39	Number of power terminals	***6***			
40	Direction of rotation	***CW or CCW***			
41	Weight of rotor	***4***	kg		
42	Total weight of motor	***12***	kg		
43					

Variant Codes / Definition

	332 = Baldor catalog number

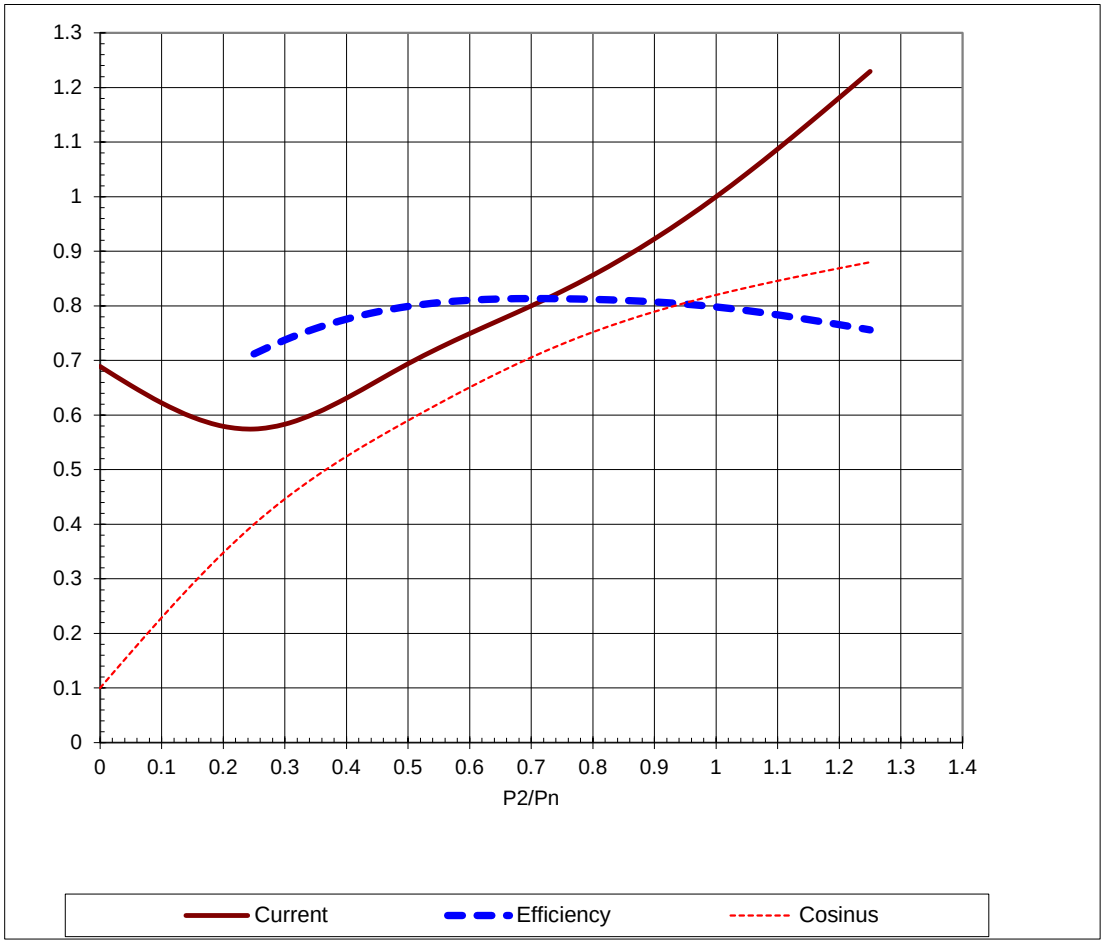
Remarks:

Data based on situation 4/4/2012
All data subject to tolerances in accordance with IEC
Guaranteed values on request

ABB Motors and Generators	Load Curves		
	Project	Location	
Department/Author	Customer name	Customer ref.	Item name
Our ref.	Rev/Changed by Date of issue	Saving ident	Pages **2(3)**

Product	**TEFC, 3-phase, squirrel cage induction motor**
Type/Frame	**M3AA 80 D 4**
Product code	**MVM08754D-AP**
Rated output P_N	**0.75** kW
Type of duty	**S1(IEC) 100%**

Voltage (V)	**230**	Current I_N (A)	**2.8**	Power factor at P_N	**0.82**
Frequency (Hz)	**50**	Speed (r/min)	**1415**	Efficiency (%) at P_N	**79.8**

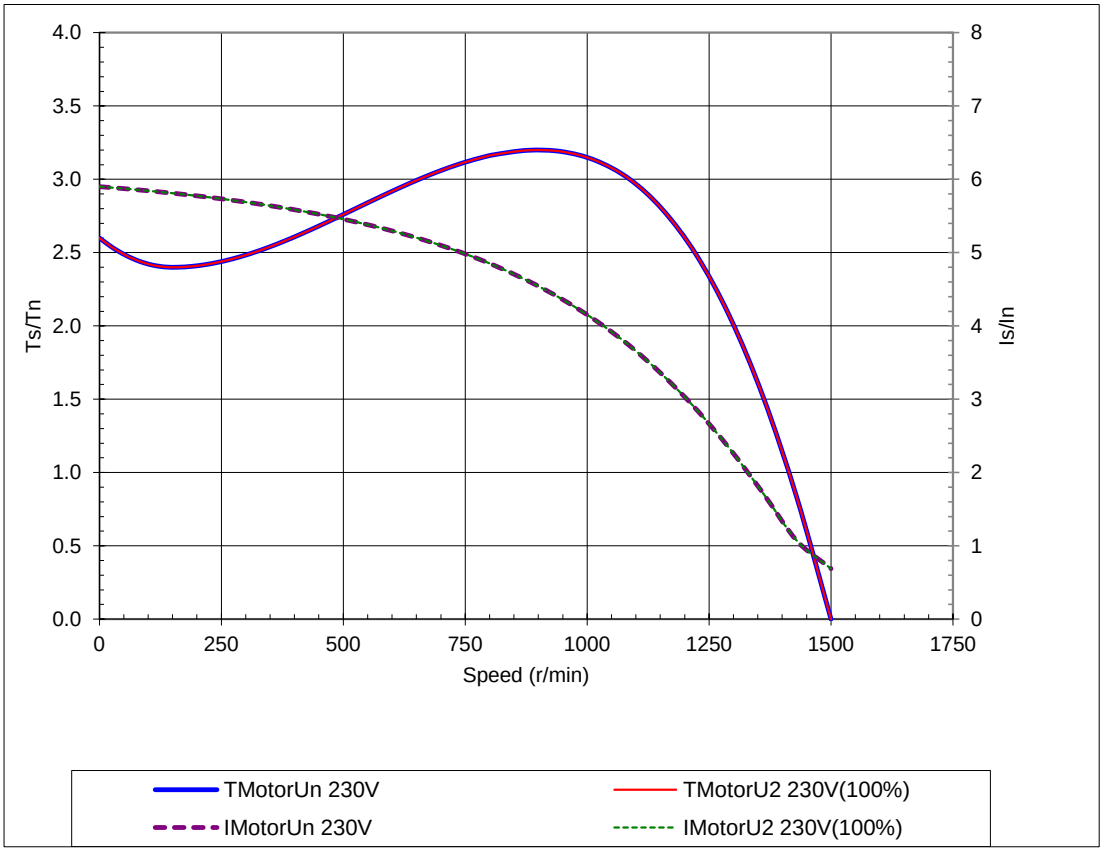


Load characteristics (IEC 60034-2-1:2007)
Data based on situation 4/4/2012
All data subject to tolerances in accordance with IEC

ABB Motors and Generators	Starting Curves		
	Project	Location	
Department/Author	Customer name	Customer ref.	Item name
Our ref.	Rev/Changed b Date of issue	Saving ident	Pages **3(3)**

Type of product	**TEFC, 3-phase, squirrel cage induction motor**			
Type/Frame	**M3AA 80 D 4**			
Product code	**MVM08754D-AP**	Frequency (Hz)	**50**	
Rated output P_N	**0.75** kW	Rated current I_N	**2.8**	A
Type of duty	**S1(IEC) 100%**			

J_{motor} (kgm2)	**0.0016**	Voltage (V) 100%	***230***	Voltage (V)	***230V(100%)***
J_{load} (kgm2)		T_{start}/T_N	***2.6***	T_{start}/T_N	***2.6***
Speed (r/min)	**1415**	Starting time (s)		Run-up time (s)	
T_N (Nm)	**5.1**	Speed (r/min)		Speed (r/min)	
T_{load} (Nm)		I_s/I_n	***5.9***	I_s/I_n	***5.9***
Nbr. of consecutive starts		T_{max}/T_n	***3.2***	T_{max}/T_n	***3.2***



Load characteristics (IEC 60034-2-1:2007)
Data based on situation 4/4/2012
All data subject to tolerances in accordance with IEC

ABB Motors and Generators	Technical Data Sheet - DOL			
	Project		Location	
Department/Author	Customer name		Customer ref.	Item name
Our ref.	Rev/Changed by	Date of issue	Saving ident	Pages **1(3)**

No.	Definition	Data	Unit	Remarks	
1	Product	***TEFC, 3-phase, squirrel cage induction motor***			
2	Product code	***MVM08754D-AP (3GAA082314-BSE+332)***			
3	Type/Frame	***M3AA 80 D 4***			
4	Mounting	***IM3001, B5(flange)***			
5	Rated output P_N	***0.75***	kW		
6	Service factor	***1***			
7	Type of duty	***S1(IEC) 100%***			
8	Rated voltage U_N	***400***	VY	± 5 % (IEC 60034-1)	
9	Rated frequency f_N	***50***	Hz	± 2 % (IEC 60034-1)	
10	Rated speed n_N	***1415***	r/min		
11	Rated current I_N	***1.65***	A		
12	No-load current	***1.14***	A		
13	Starting current I_s/I_N	***5.9***		Fullfilled IEC 60034-12 design N,H	
14	Nominal torque T_N	***5.1***	Nm		
15	Locked rotor torque T_S/T_N	***2.6***			
16	Maximum torque T_{max}/T_N	***3.2***			
17	Minimum torque T_{min}/T_N	***2.4***			
18	Speed at minimum torque	***150***	r/min		
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %	Power factor
20	PLL determined from residual loss	*100*	**1.65**	**79.8 / IE2**	**0.82**
21		*75*	**1.36**	**81.3**	**0.73**
22		*50*	**1.14**	**79.9**	**0.59**
23		*Start*	**9.7**		**0.81**
24	Maximum starting time from hot	***20***	s		
25	Maximum starting time from cold	***36***	s		
26	Insulation class / Temperature class	***F / B***			
27	Ambient temperature	***40***	°C		
28	Altitude	***1000***	m.a.s.l.		
29	Enclosure	***IP55***			
30	Cooling system	***IC411 self ventilated***			
31	Bearing DE/NDE	***6204-2Z/C3 - 6203-2Z/C3***			
32	Type of Grease	***Greased for life***			
33	Sound pressure level (LP dB(A) 1m)	***50***	dB(A)	at load	
34	Moment of inertia J = ¼ GD2	***0.0016***	kg-m2		
35	Balancing	***Half Key***			
36	Vibration class	***Grade A***			
37	Position of terminal box	***Top***			
38	Terminal box entries; no, dimens.	***2xM20***			
39	Number of power terminals	***6***			
40	Direction of rotation	***CW or CCW***			
41	Weight of rotor	***4***	kg		
42	Total weight of motor	***12***	kg		
43					

Variant Codes / Definition

	332 = Baldor catalog number

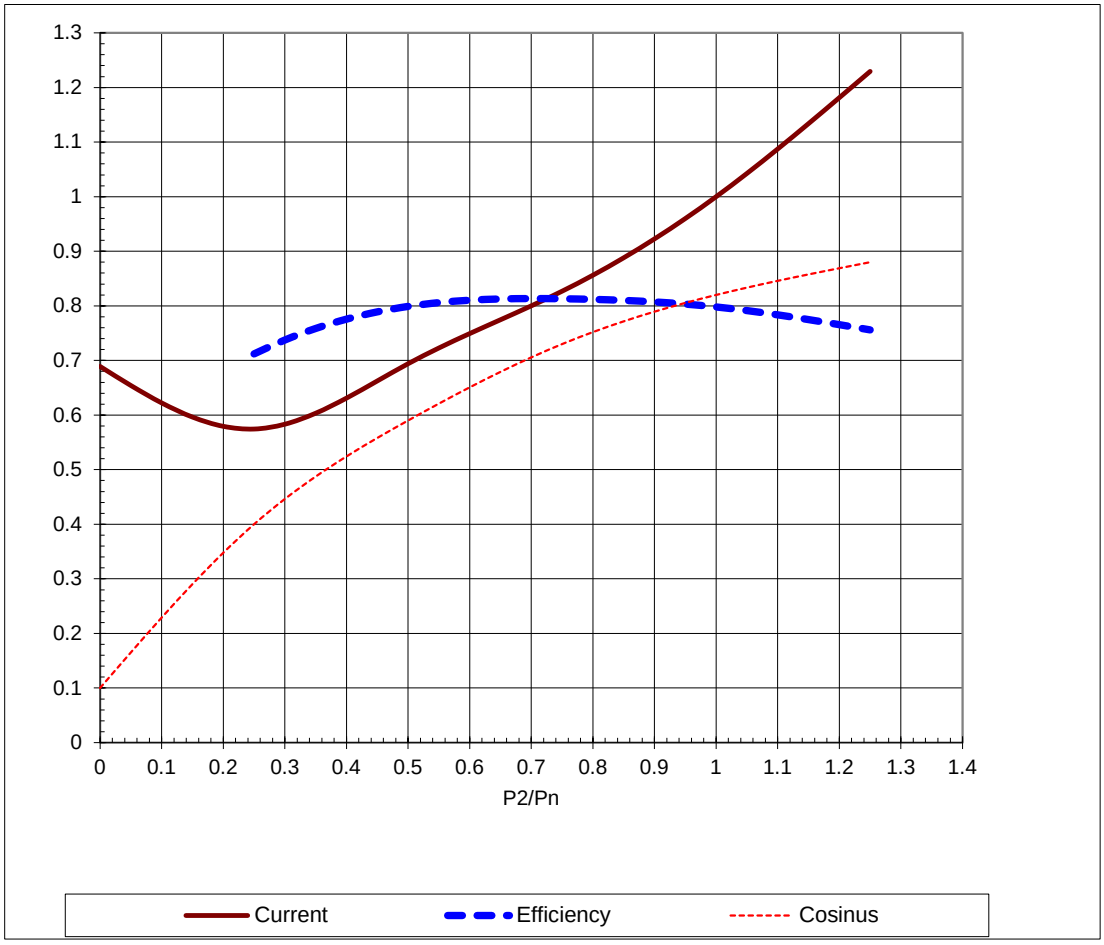
Remarks:

Data based on situation 4/4/2012
All data subject to tolerances in accordance with IEC
Guaranteed values on request

ABB Motors and Generators	Load Curves		
	Project	Location	
Department/Author	Customer name	Customer ref.	Item name
Our ref.	Rev/Changed by Date of issue	Saving ident	Pages **2(3)**

Product	**TEFC, 3-phase, squirrel cage induction motor**
Type/Frame	**M3AA 80 D 4**
Product code	**MVM08754D-AP**
Rated output P_N	**0.75** kW
Type of duty	**S1(IEC) 100%**

Voltage (V)	**400**	Current I_N (A)	**1.65**	Power factor at P_N	**0.82**
Frequency (Hz)	**50**	Speed (r/min)	**1415**	Efficiency (%) at P_N	**79.8**

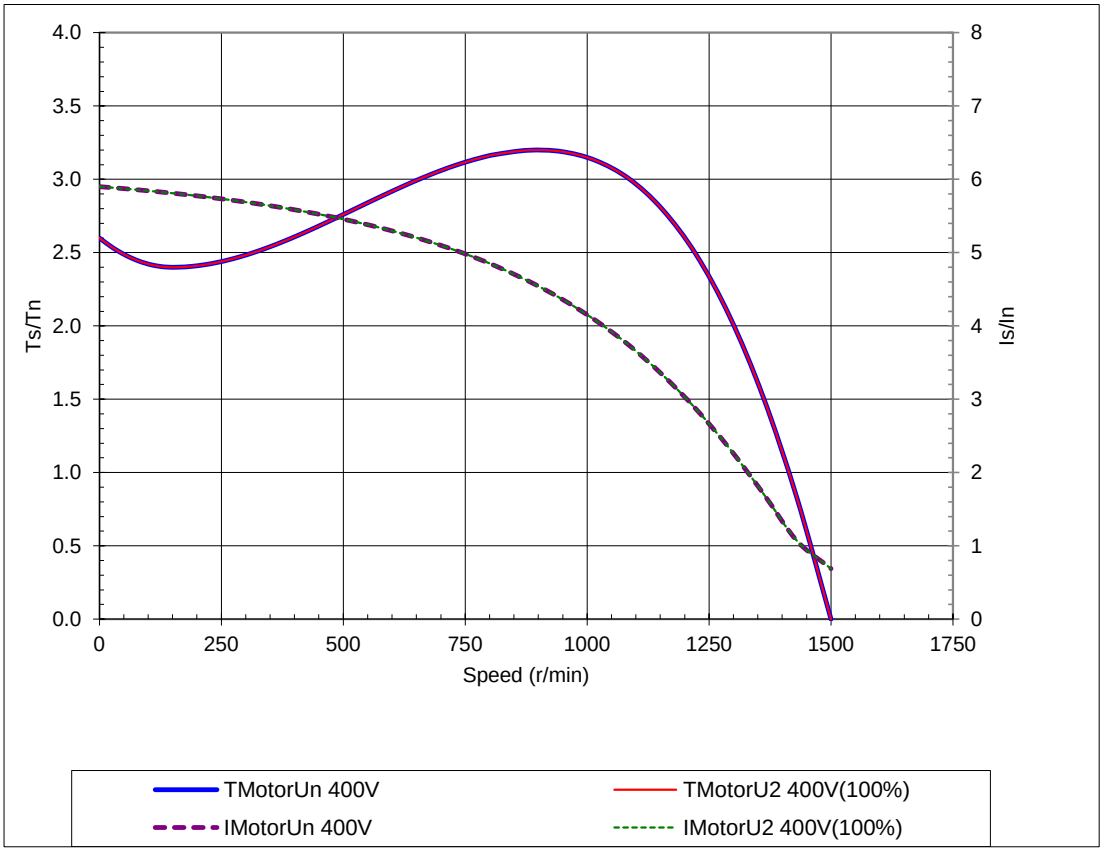


Load characteristics (IEC 60034-2-1:2007)
Data based on situation 4/4/2012
All data subject to tolerances in accordance with IEC

ABB Motors and Generators	Starting Curves		
	Project	Location	
Department/Author	Customer name	Customer ref.	Item name
Our ref.	Rev/Changed b Date of issue	Saving ident	Pages **3(3)**

Type of product	**TEFC, 3-phase, squirrel cage induction motor**			
Type/Frame	**M3AA 80 D 4**			
Product code	**MVM08754D-AP**	Frequency (Hz)	**50**	
Rated output P_N	**0.75** kW	Rated current I_N	**1.65**	A
Type of duty	**S1(IEC) 100%**			

J_{motor} (kgm2)	**0.0016**	Voltage (V) 100%	***400***	Voltage (V)	***400V(100%)***
J_{load} (kgm2)		T_{start}/T_N	***2.6***	T_{start}/T_N	***2.6***
Speed (r/min)	**1415**	Starting time (s)		Run-up time (s)	
T_N (Nm)	**5.1**	Speed (r/min)		Speed (r/min)	
T_{load} (Nm)		I_s/I_n	***5.9***	I_s/I_n	***5.9***
Nbr. of consecutive starts		T_{max}/T_n	***3.2***	T_{max}/T_n	***3.2***



Load characteristics (IEC 60034-2-1:2007)
Data based on situation 4/4/2012
All data subject to tolerances in accordance with IEC

ABB Motors and Generators	Technical Data Sheet - DOL			
	Project		Location	
Department/Author	Customer name		Customer ref.	Item name
Our ref.	Rev/Changed by	Date of issue	Saving ident	Pages **1(3)**

No.	Definition	Data	Unit	Remarks	
1	Product	***TEFC, 3-phase, squirrel cage induction motor***			
2	Product code	***MVM08754D-AP (3GAA082314-BSE+332)***			
3	Type/Frame	***M3AA 80 D 4***			
4	Mounting	***IM3001, B5(flange)***			
5	Rated output P_N	***0.75***	kW		
6	Service factor	***1***			
7	Type of duty	***S1(IEC) 100%***			
8	Rated voltage U_N	***460***	VY	± 5 % (IEC 60034-1)	
9	Rated frequency f_N	***60***	Hz	± 2 % (IEC 60034-1)	
10	Rated speed n_N	***1730***	r/min		
11	Rated current I_N	***1.62***	A		
12	No-load current	***1.2***	A		
13	Starting current I_s/I_N	***7***		Fullfilled IEC 60034-12 design N,H	
14	Nominal torque T_N	***4.1***	Nm		
15	Locked rotor torque T_S/T_N	***3***			
16	Maximum torque T_{max}/T_N	***3.9***			
17	Minimum torque T_{min}/T_N	***2.9***			
18	Speed at minimum torque	***180***	r/min		
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %	Power factor
20	PLL determined from residual loss	*100*	**1.62**	**82.6 / IE2**	**0.7**
21		*75*	**1.42**	**82.5**	**0.6**
22		*50*	**1.28**	**79.8**	**0.46**
23		*Start*	**11.3**		**0.81**
24	Maximum starting time from hot	***20***	s		
25	Maximum starting time from cold	***36***	s		
26	Insulation class / Temperature class	***F / B***			
27	Ambient temperature	***40***	°C		
28	Altitude	***1000***	m.a.s.l.		
29	Enclosure	***IP55***			
30	Cooling system	***IC411 self ventilated***			
31	Bearing DE/NDE	***6204-2Z/C3 - 6203-2Z/C3***			
32	Type of Grease	***Greased for life***			
33	Sound pressure level (LP dB(A) 1m)	***57***	dB(A)	at load	
34	Moment of inertia J = ¼ GD2	***0.0016***	kg-m2		
35	Balancing	***Half Key***			
36	Vibration class	***Grade A***			
37	Position of terminal box	***Top***			
38	Terminal box entries; no, dimens.	***2xM20***			
39	Number of power terminals	***6***			
40	Direction of rotation	***CW or CCW***			
41	Weight of rotor	***4***	kg		
42	Total weight of motor	***12***	kg		
43					

Variant Codes / Definition

	332 = Baldor catalog number

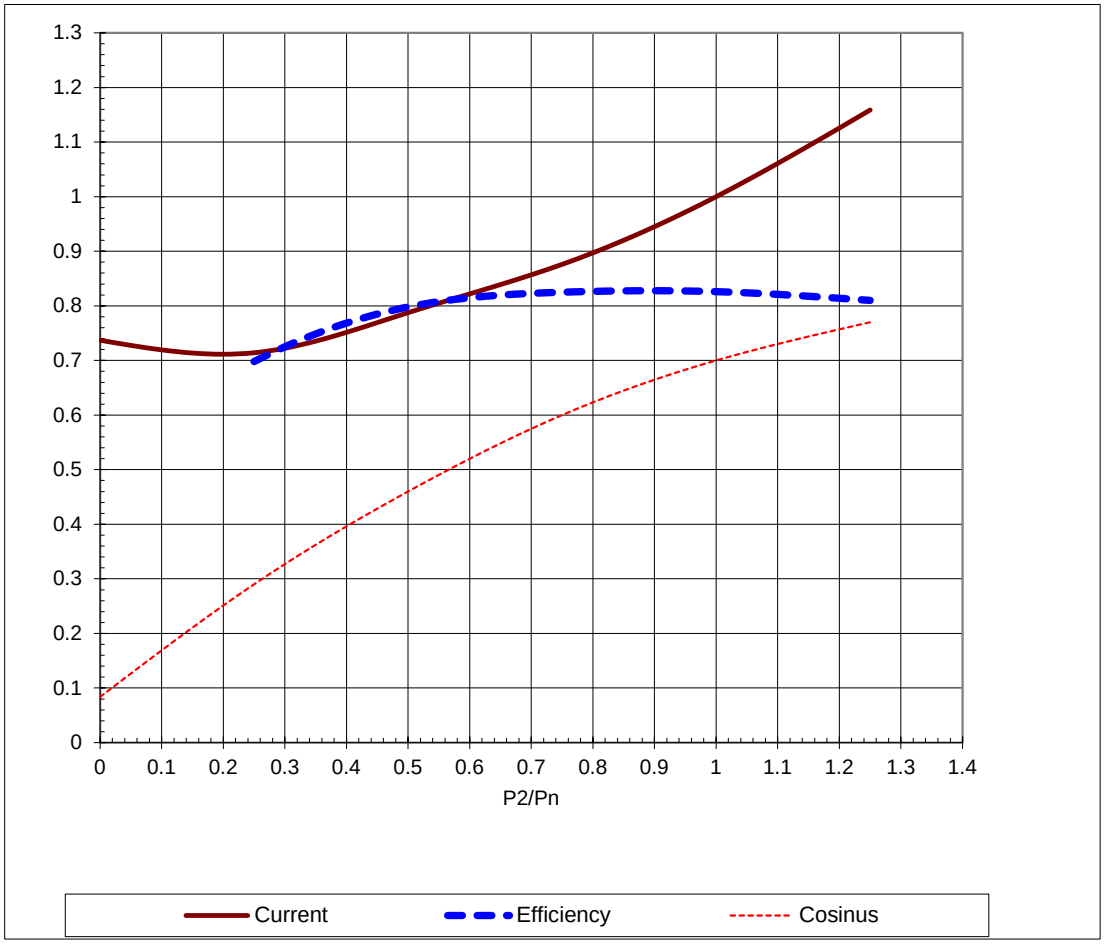
Remarks:

Data based on situation 4/4/2012
All data subject to tolerances in accordance with IEC
Guaranteed values on request

ABB Motors and Generators	Load Curves		
	Project	Location	
Department/Author	Customer name	Customer ref.	Item name
Our ref.	Rev/Changed by Date of issue	Saving ident	Pages **2(3)**

Product	**TEFC, 3-phase, squirrel cage induction motor**
Type/Frame	**M3AA 80 D 4**
Product code	**MVM08754D-AP**
Rated output P_N	**0.75** kW
Type of duty	**S1(IEC) 100%**

Voltage (V)	**460**	Current I_N (A)	**1.62**	Power factor at P_N	**0.7**
Frequency (Hz)	**60**	Speed (r/min)	**1730**	Efficiency (%) at P_N	**82.6**

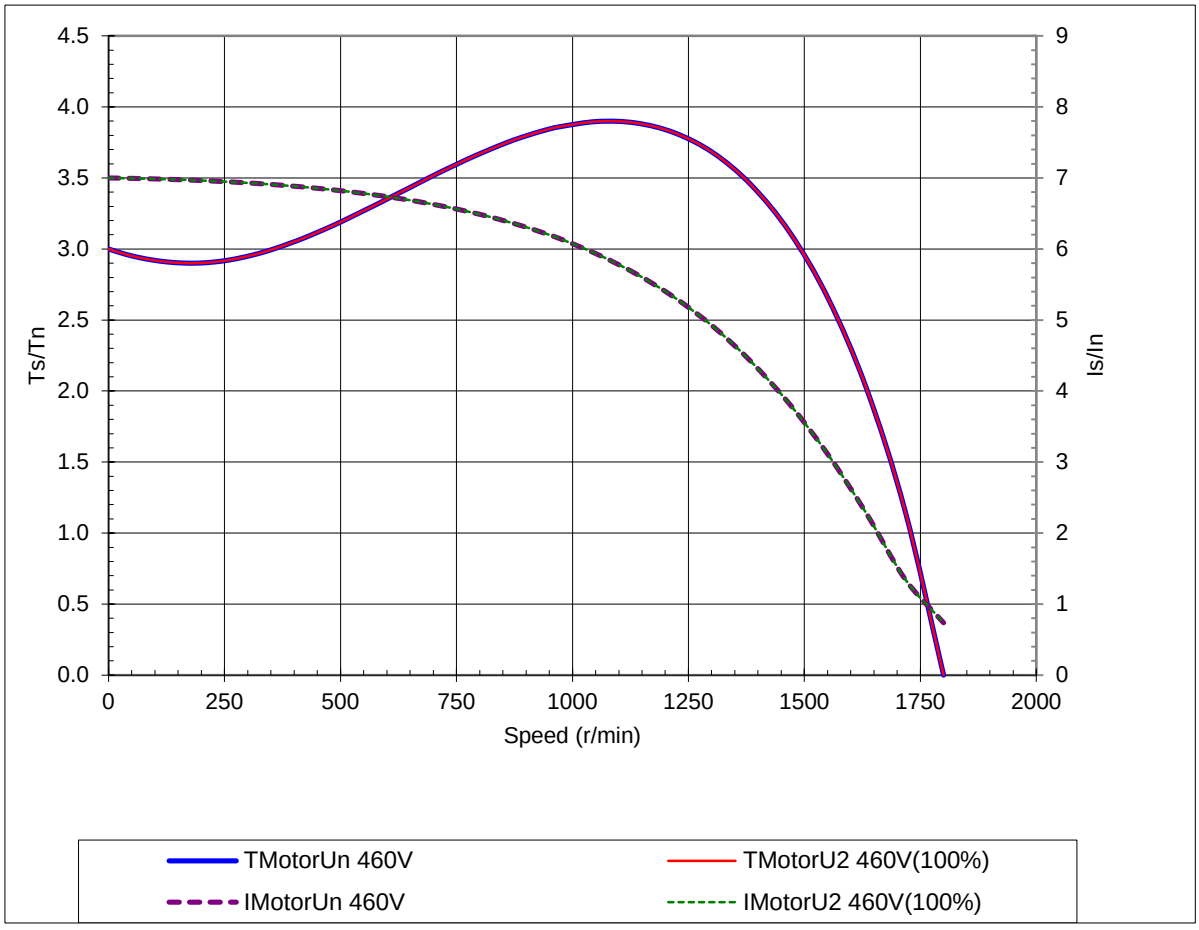


Load characteristics (IEC 60034-2-1:2007)
Data based on situation 4/4/2012
All data subject to tolerances in accordance with IEC

ABB Motors and Generators	Starting Curves		
	Project	Location	
Department/Author	Customer name	Customer ref.	Item name
Our ref.	Rev/Changed b Date of issue	Saving ident	Pages **3(3)**

Type of product	**TEFC, 3-phase, squirrel cage induction motor**			
Type/Frame	**M3AA 80 D 4**			
Product code	**MVM08754D-AP**	Frequency (Hz)	**60**	
Rated output P_N	**0.75** kW	Rated current I_N	**1.62**	A
Type of duty	**S1(IEC) 100%**			

J_{motor} (kgm2)	**0.0016**	Voltage (V) 100%	***460***	Voltage (V)	***460V(100%)***
J_{load} (kgm2)		T_{start}/T_N	***3***	T_{start}/T_N	***3***
Speed (r/min)	**1730**	Starting time (s)		Run-up time (s)	
T_N (Nm)	**4.1**	Speed (r/min)		Speed (r/min)	
T_{load} (Nm)		I_s/I_n	***7***	I_s/I_n	***7***
Nbr. of consecutive starts		T_{max}/T_n	***3.9***	T_{max}/T_n	***3.9***



Load characteristics (IEC 60034-2-1:2007)
Data based on situation 4/4/2012
All data subject to tolerances in accordance with IEC