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	***MM13754-EX3 (3GKP132240-ADH+332+461)***			
3	Type/Frame	***M3KP 132 SMD 4***			
4	Mounting	***IM1001, B3(foot)***			
5	Rated output P_N	***7.5***	kW		
6	Service factor	***1***			
7	Type of duty	***S1(IEC) 100%***			
8	Rated voltage U_N	***400***	VD	± 5 % (IEC 60034-1)	
9	Rated frequency f_N	***50***	Hz	± 2 % (IEC 60034-1)	
10	Rated speed n_N	***1463***	r/min		
11	Rated current I_N	***15.9***	A		
12	No-load current	***10.3***	A		
13	Starting current I_s/I_N	***8.4***		Not within IEC 60034-12 design N,H	
14	Nominal torque T_N	***49***	Nm		
15	Locked rotor torque T_S/T_N	***3.5***			
16	Maximum torque T_{max}/T_N	***4.2***			
17	Minimum torque T_{min}/T_N	***3.5***			
18	Speed at minimum torque	***0***	r/min		
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %	Power factor
20	PLL determined from residual loss	*100*	**15.9**	**89.2 / IE2**	**0.76**
21		*75*	**13.4**	**89**	**0.68**
22		*50*	**11.2**	**87.3**	**0.55**
23		*Start*	**134**		**0.53**
24	Maximum starting time from hot	***10***	s		
25	Maximum starting time from cold	***18***	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	***6208-2Z/C3 - 6208-2Z/C3***			
32	Type of Grease	***Greased for life***			
33	Sound pressure level (LP dB(A) 1m)	***60***	dB(A)	at load	
34	Moment of inertia J = ¼ GD2	***0.034***	kg-m2		
35	Balancing	***Half Key***			
36	Vibration class	***Grade A***			
37	Position of terminal box	***Top***			
38	Terminal box entries; no, dimens.	***2xM32x1.5 + 1xM20x1.5***			
39	Number of power terminals	***6***			
40	Direction of rotation	***CW or CCW***			
41	Weight of rotor	***20***	kg		
42	Total weight of motor	***105***	kg		
43					
Ex-motors					
44	Type of protection	****Ex de IIC T4***			
45					

Variant Codes / Definition

332 = Baldor catalog number
461 = Exde design, group IIC

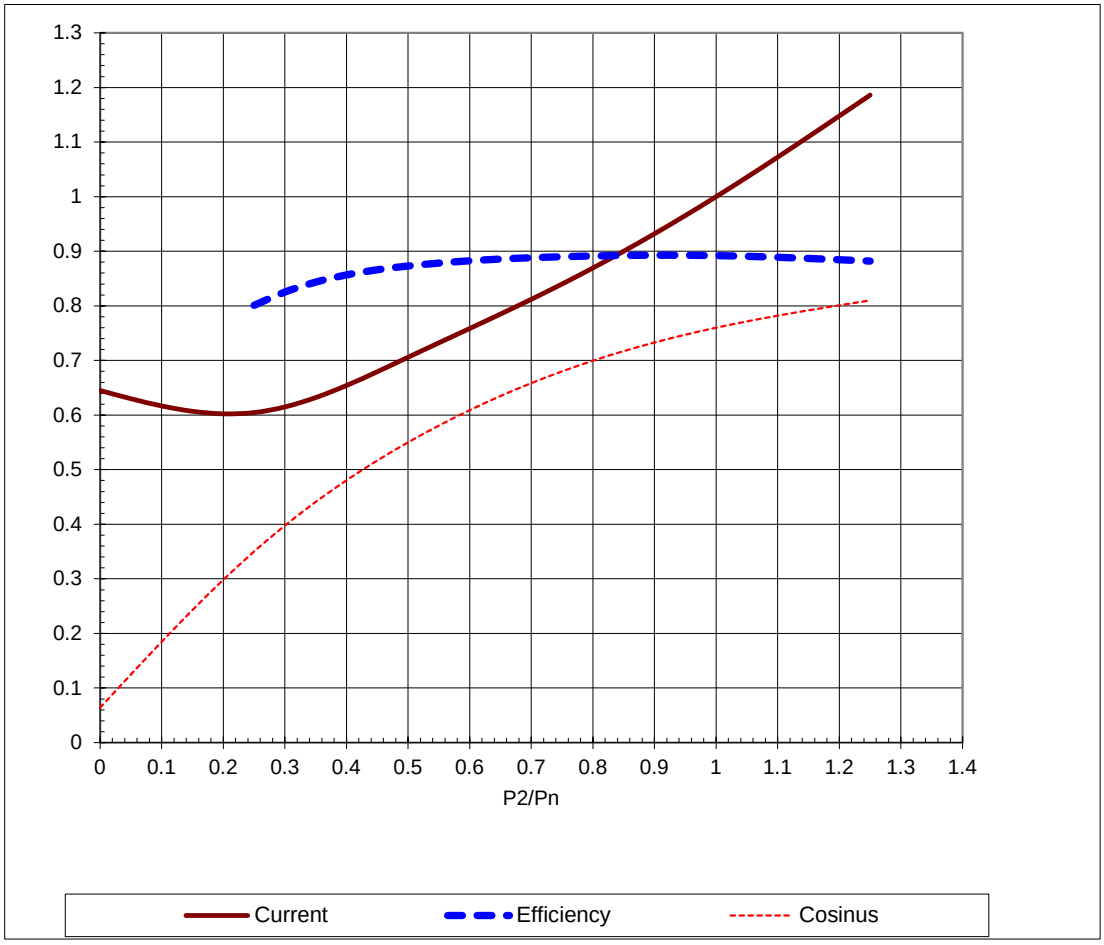
Remarks:

Data based on situation 11/4/2012
All data subject to tolerances in accordance with IEC
Guaranteed values on request
* For more information on the Atex/IECEx rating, please contact your local Baldor representative.

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	**M3KP 132 SMD 4**
Product code	**MM13754-EX3**
Rated output P_N	**7.5** kW
Type of duty	**S1(IEC) 100%**

Voltage (V)	**400**	Current I_N (A)	**15.9**	Power factor at P_N	**0.76**
Frequency (Hz)	**50**	Speed (r/min)	**1463**	Efficiency (%) at P_N	**89.2**

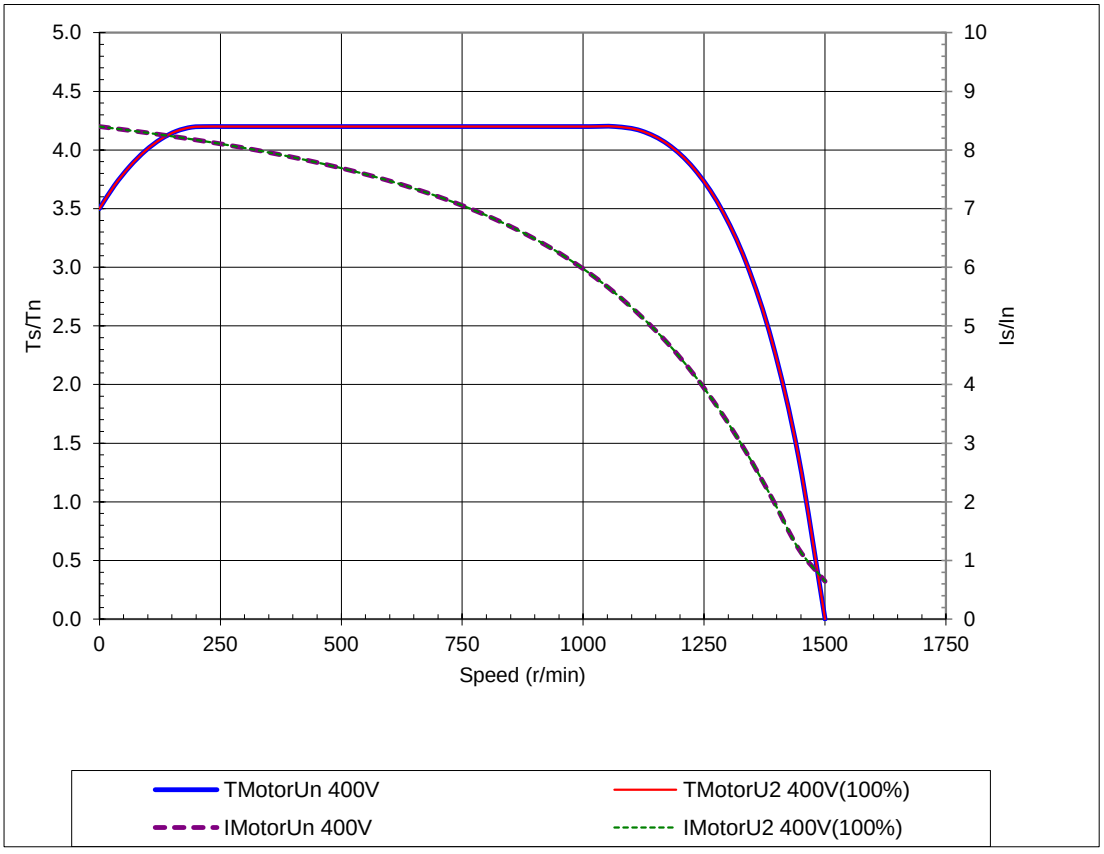


Load characteristics (IEC 60034-2-1:2007)
Data based on situation 11/4/2012
All data subject to tolerances in accordance with IEC

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	**M3KP 132 SMD 4**			
Product code	**MM13754-EX3**		Frequency (Hz)	**50**
Rated output P_N	**7.5** kW		Rated current I_N	**15.9** A
Type of duty	**S1(IEC) 100%**			

J_{motor} (kgm2)	**0.034**	Voltage (V) 100%	***400***	Voltage (V)	***400V(100%)***
J_{load} (kgm2)		T_{start}/T_N	***3.5***	T_{start}/T_N	***3.5***
Speed (r/min)	**1463**	Starting time (s)		Run-up time (s)	
T_N (Nm)	**49**	Speed (r/min)		Speed (r/min)	
T_{load} (Nm)		I_s/I_n	***8.4***	I_s/I_n	***8.4***
Nbr. of consecutive starts		T_{max}/T_n	***4.2***	T_{max}/T_n	***4.2***



Load characteristics (IEC 60034-2-1:2007)
Data based on situation 11/4/2012
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	***MM13754-EX3 (3GKP132240-ADH+332+461)***			
3	Type/Frame	***M3KP 132 SMD 4***			
4	Mounting	***IM1001, B3(foot)***			
5	Rated output P_N	***7.5***	kW		
6	Service factor	***1***			
7	Type of duty	***S1(IEC) 100%***			
8	Rated voltage U_N	***415***	VD	± 5 % (IEC 60034-1)	
9	Rated frequency f_N	***50***	Hz	± 2 % (IEC 60034-1)	
10	Rated speed n_N	***1467***	r/min		
11	Rated current I_N	***16***	A		
12	No-load current	***11.1***	A		
13	Starting current I_s/I_N	***8.8***		Not within IEC 60034-12 design N,H	
14	Nominal torque T_N	***49***	Nm		
15	Locked rotor torque T_S/T_N	***3.8***			
16	Maximum torque T_{max}/T_N	***4.5***			
17	Minimum torque T_{min}/T_N	***3.8***			
18	Speed at minimum torque	***0***	r/min		
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %	Power factor
20	PLL determined from residual loss	*100*	**16**	**89.2 / IE2**	**0.73**
21		*75*	**13.7**	**88.7**	**0.64**
22		*50*	**11.8**	**86.6**	**0.51**
23		*Start*	**141**		**0.54**
24	Maximum starting time from hot	***10***	s		
25	Maximum starting time from cold	***20***	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	***6208-2Z/C3 - 6208-2Z/C3***			
32	Type of Grease	***Greased for life***			
33	Sound pressure level (LP dB(A) 1m)	***60***	dB(A)	at load	
34	Moment of inertia J = ¼ GD2	***0.034***	kg-m2		
35	Balancing	***Half Key***			
36	Vibration class	***Grade A***			
37	Position of terminal box	***Top***			
38	Terminal box entries; no, dimens.	***2xM32x1.5 + 1xM20x1.5***			
39	Number of power terminals	***6***			
40	Direction of rotation	***CW or CCW***			
41	Weight of rotor	***20***	kg		
42	Total weight of motor	***105***	kg		
43					
Ex-motors					
44	Type of protection	****Ex de IIC T4***			
45					

Variant Codes / Definition

332 = Baldor catalog number
461 = Exde design, group IIC

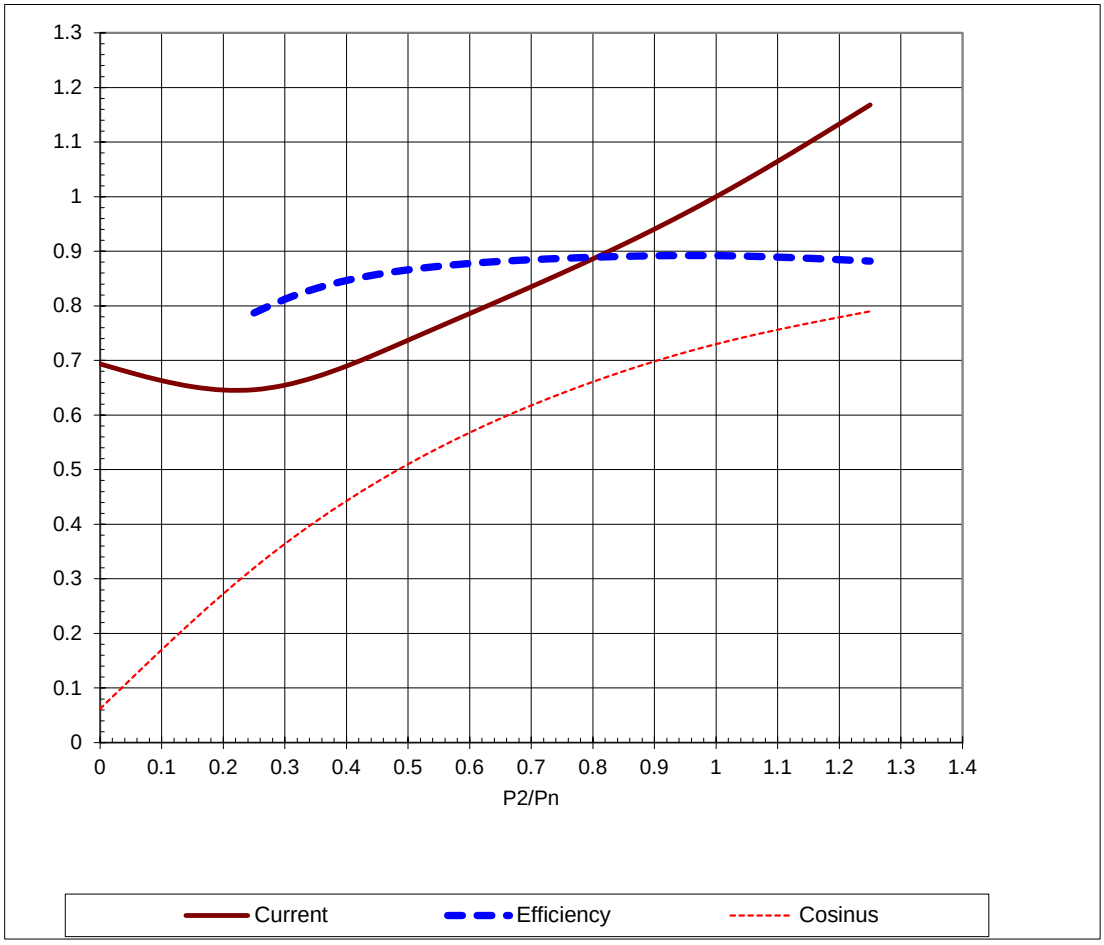
Remarks:

Data based on situation 11/4/2012
All data subject to tolerances in accordance with IEC
Guaranteed values on request
* For more information on the Atex/IECEx rating, please contact your local Baldor representative.

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	**M3KP 132 SMD 4**
Product code	**MM13754-EX3**
Rated output P_N	**7.5** kW
Type of duty	**S1(IEC) 100%**

Voltage (V)	**415**	Current I_N (A)	**16**	Power factor at P_N	**0.73**
Frequency (Hz)	**50**	Speed (r/min)	**1467**	Efficiency (%) at P_N	**89.2**

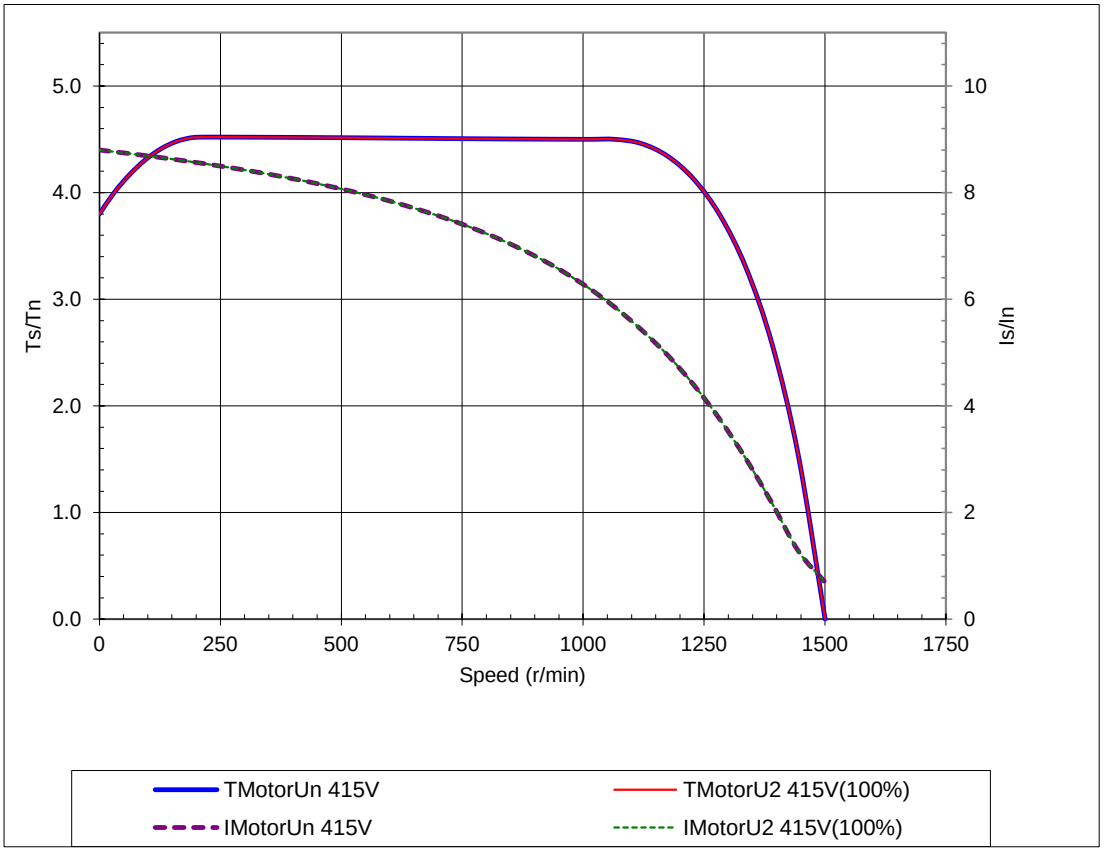


Load characteristics (IEC 60034-2-1:2007)
Data based on situation 11/4/2012
All data subject to tolerances in accordance with IEC

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	**M3KP 132 SMD 4**			
Product code	**MM13754-EX3**	Frequency (Hz)	**50**	
Rated output P_N	**7.5** kW	Rated current I_N	**16**	A
Type of duty	**S1(IEC) 100%**			

J_{motor} (kgm2)	**0.034**	Voltage (V) 100%	***415***	Voltage (V)	***415V(100%)***
J_{load} (kgm2)		T_{start}/T_N	***3.8***	T_{start}/T_N	***3.8***
Speed (r/min)	**1467**	Starting time (s)		Run-up time (s)	
T_N (Nm)	**49**	Speed (r/min)		Speed (r/min)	
T_{load} (Nm)		I_s/I_n	***8.8***	I_s/I_n	***8.8***
Nbr. of consecutive starts		T_{max}/T_n	***4.5***	T_{max}/T_n	***4.5***



Load characteristics (IEC 60034-2-1:2007)
Data based on situation 11/4/2012
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	***MM13754-EX3 (3GKP132240-ADH+332+461)***			
3	Type/Frame	***M3KP 132 SMD 4***			
4	Mounting	***IM1001, B3(foot)***			
5	Rated output P_N	***7.5***	kW		
6	Service factor	***1***			
7	Type of duty	***S1(IEC) 100%***			
8	Rated voltage U_N	***690***	VY	± 5 % (IEC 60034-1)	
9	Rated frequency f_N	***50***	Hz	± 2 % (IEC 60034-1)	
10	Rated speed n_N	***1463***	r/min		
11	Rated current I_N	***9.2***	A		
12	No-load current	***6***	A		
13	Starting current I_s/I_N	***8.4***		Not within IEC 60034-12 design N,H	
14	Nominal torque T_N	***49***	Nm		
15	Locked rotor torque T_S/T_N	***3.5***			
16	Maximum torque T_{max}/T_N	***4.2***			
17	Minimum torque T_{min}/T_N	***3.5***			
18	Speed at minimum torque	***0***	r/min		
19	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %	Power factor
20	PLL determined from residual loss	*100*	**9.2**	**89.2 / IE2**	**0.76**
21		*75*	**7.7**	**89**	**0.68**
22		*50*	**6.5**	**87.3**	**0.55**
23		*Start*	**77**		**0.53**
24	Maximum starting time from hot	***10***	s		
25	Maximum starting time from cold	***18***	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	***6208-2Z/C3 - 6208-2Z/C3***			
32	Type of Grease	***Greased for life***			
33	Sound pressure level (LP dB(A) 1m)	***60***	dB(A)	at load	
34	Moment of inertia J = ¼ GD2	***0.034***	kg-m2		
35	Balancing	***Half Key***			
36	Vibration class	***Grade A***			
37	Position of terminal box	***Top***			
38	Terminal box entries; no, dimens.	***2xM32x1.5 + 1xM20x1.5***			
39	Number of power terminals	***6***			
40	Direction of rotation	***CW or CCW***			
41	Weight of rotor	***20***	kg		
42	Total weight of motor	***105***	kg		
43					
Ex-motors					
44		****Ex de IIC T4***			
45					

Variant Codes / Definition

332 = Baldor catalog number
461 = Exde design, group IIC

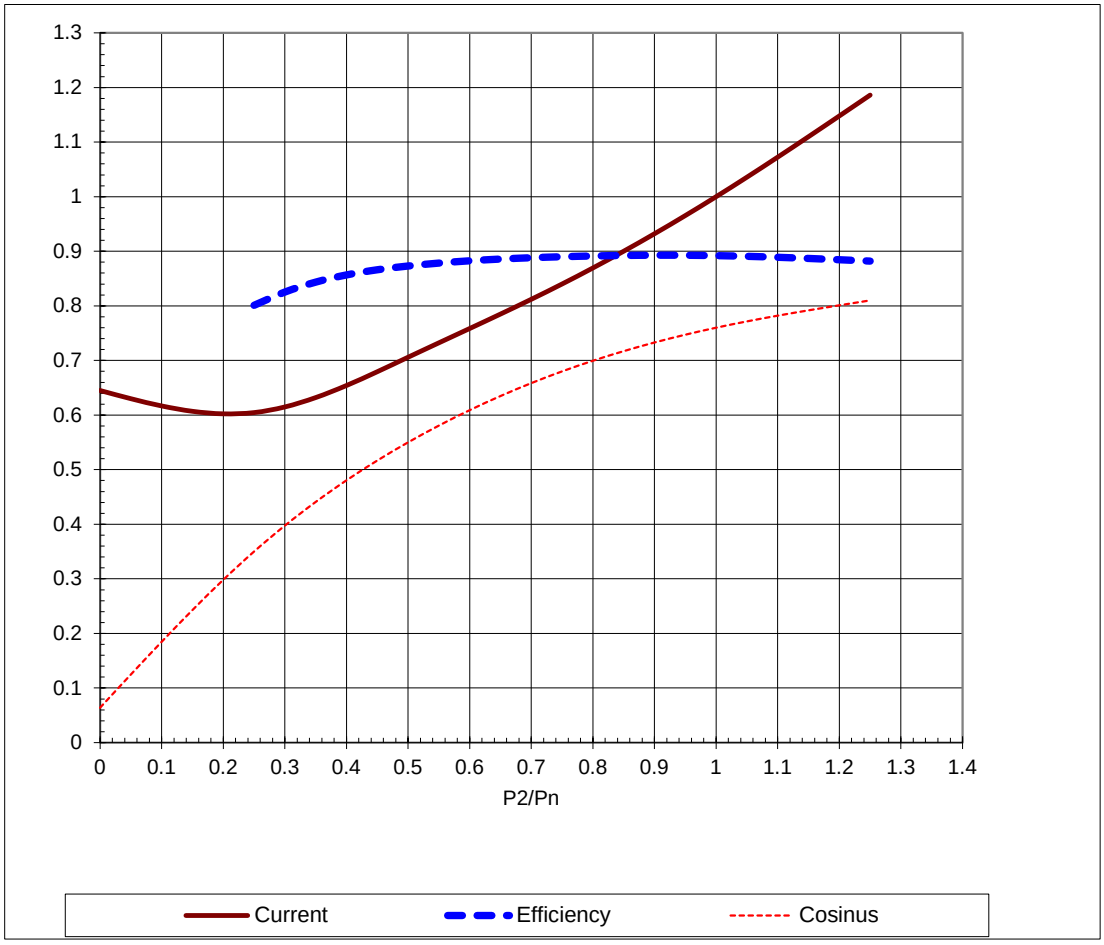
Remarks:

Data based on situation 11/4/2012
All data subject to tolerances in accordance with IEC
Guaranteed values on request
* For more information on the Atex/IECEx rating, please contact your local Baldor representative.

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	**M3KP 132 SMD 4**
Product code	**MM13754-EX3**
Rated output P_N	**7.5** kW
Type of duty	**S1(IEC) 100%**

Voltage (V)	**690**	Current I_N (A)	**9.2**	Power factor at P_N	**0.76**
Frequency (Hz)	**50**	Speed (r/min)	**1463**	Efficiency (%) at P_N	**89.2**

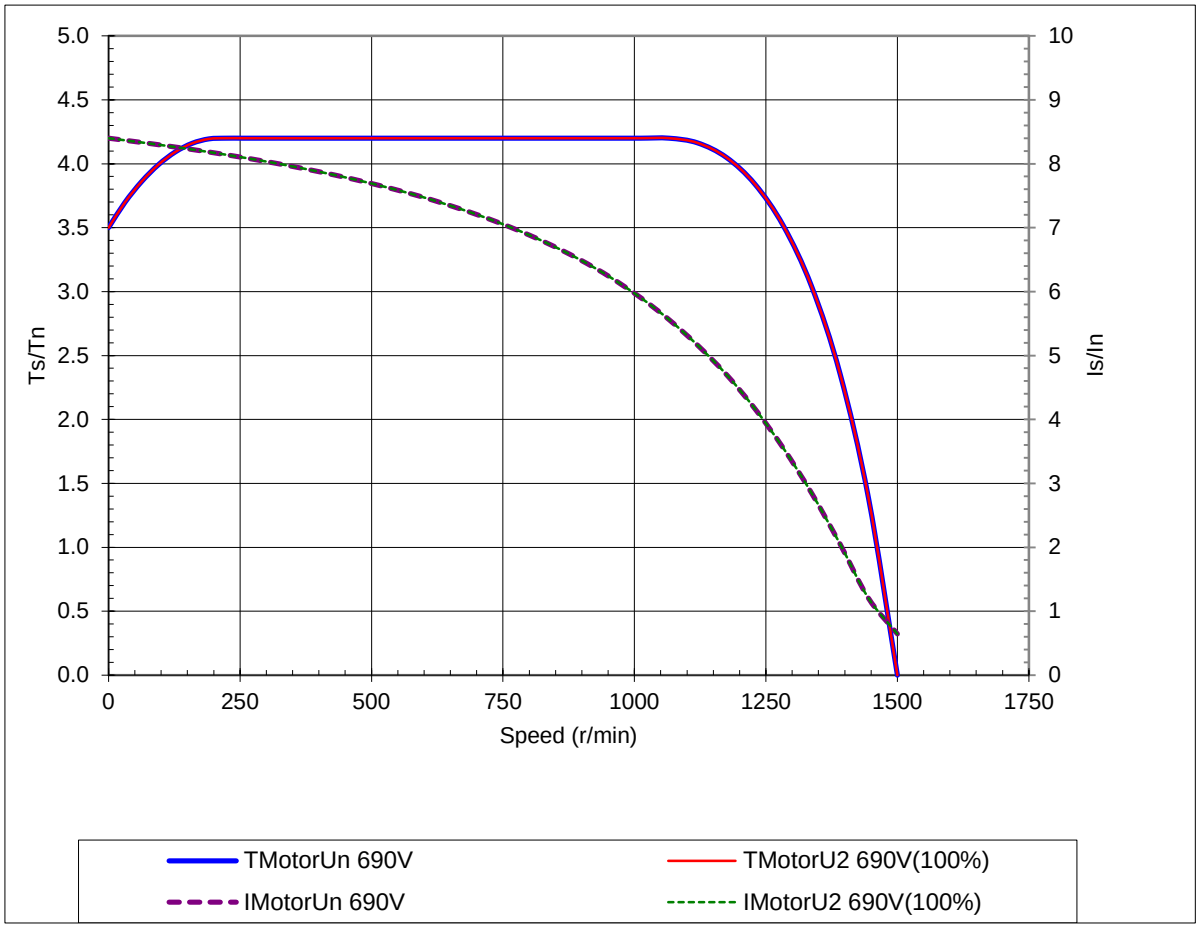


Load characteristics (IEC 60034-2-1:2007)
Data based on situation 11/4/2012
All data subject to tolerances in accordance with IEC

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	**M3KP 132 SMD 4**				
Product code	**MM13754-EX3**		Frequency (Hz)	**50**	
Rated output P_N	**7.5**	kW	Rated current I_N	**9.2**	A
Type of duty	**S1(IEC) 100%**				

J_{motor} (kgm2)	**0.034**	Voltage (V) 100%	***690***	Voltage (V)	***690V(100%)***
J_{load} (kgm2)		T_{start}/T_N	***3.5***	T_{start}/T_N	***3.5***
Speed (r/min)	**1463**	Starting time (s)		Run-up time (s)	
T_N (Nm)	**49**	Speed (r/min)		Speed (r/min)	
T_{load} (Nm)		I_s/I_n	***8.4***	I_s/I_n	***8.4***
Nbr. of consecutive starts		T_{max}/T_n	***4.2***	T_{max}/T_n	***4.2***



Load characteristics (IEC 60034-2-1:2007)
Data based on situation 11/4/2012
All data subject to tolerances in accordance with IEC