IEC LV Motors	Technical Data Sheet - DOL			
	Project		Location	
Department/Author	Customer name		Customer ref	Item name **1,00001**
Our ref.	Rev/Changed by **A**	Date of issue **25.09.2022**	Saving ident **untitled.xlsm**	Pages **1(3)**

No.	Definition	Data	Unit	Remarks	
1	Product	***TEFC, 3-phase, squirrel cage induction motor***			
2	Product code	***3GKP 132 260-ADK***		Calc. ref.	3GZF021013-240
3	Type/Frame	***M3KP 132SMF 4***			
4	Mounting	***IM1001, B3(foot)***			
5	Rated output P_N	***5,5***	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	***1462***	r/min		
11	Rated current I_N	***10,8***	A		
12	No-load current	***3,9***	A		
13	Starting current I_S/I_N	***7,3***		Meet IEC 60034-12, N,(H at 60 Hz)	
14	Nominal torque T_N	***36***	Nm		
15	Locked rotor torque T_S/T_N	***2,4***			
16	Maximum torque T_{max}/T_N	***3,4***			
17	Minimum torque T_{min}/T_N	***1,7***			
18	Speed at minimum torque	***255***	r/min		
	Load characteristics (IEC 60034-2-1:2014)	Load %	Current A	Efficiency %	Power factor
19	PLL determined from residual loss	*100*	**10,8**	**90,7 / IE3**	**0,81**
20		*75*	**8,4**	**91,6**	**0,77**
21		*50*	**6,5**	**91,6**	**0,67**
22		*Start*	**79**		**0,44**
23	Maximum starting time from hot	***21***	s		
24	Maximum starting time from cold	***39***	s		
25	Insulation class / Temperature class	***F / B***			
26	Ambient temperature	***-20 up to 40***	°C		
27	Altitude	***1000***	m.a.s.l.		
28	Enclosure	***IP55***			
29	Cooling system	***IC411 self ventilated***			
30	Bearing DE/NDE	***6208-2Z/C3 - 6208-2Z/C3***			
31	Type of Grease				
32	Sound pressure level (LP dB(A) 1m)	***67***	dB(A)	at load	
33	Moment of inertia J = ¼ GD2	***0,0401***	kg-m2		
34	Balancing				
35	Vibration class				
36	Position of terminal box	***Top***			
37	Terminal box entries; no, dimens.				
38	Number of power terminals				
39	Direction of rotation	***CW or CCW***			
40	Weight of rotor	***21***	kg		
41	Total weight of motor	***110***	kg		
42	Dimension drawing no.				
43					
44					
45					
Ex-motors					
46	Type of protection	***Ex db eb IIB T4 Gb***			
47	EC Type Examination No	***LCIE 19 ATEX 3031 X***			
48					
Option	Variant Codes / Definition				
49	PTC				
50					
51					
52					

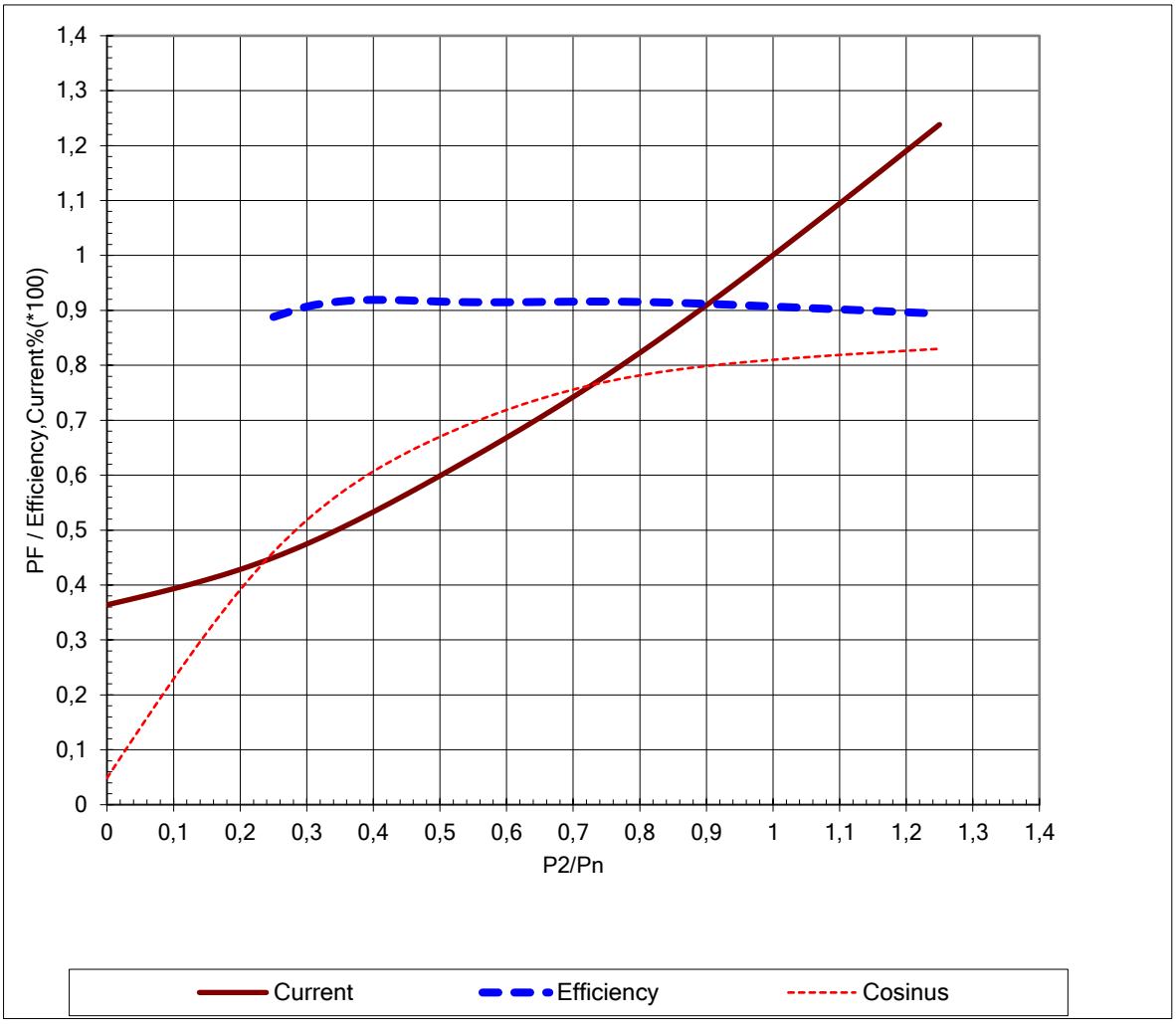
Remarks:

Data based on situation 27.03.2022
All data subject to tolerances in accordance with IEC
Guaranteed values on request

IEC LV Motors	Load Curves		
	Project	Location	
Department/Author	Customer name	Customer ref	Item name **1,00001**
Our ref.	Rev/Changed by Date of issue **A** **25.09.2022**	Saving ident **untitled.xlsm**	Pages **2(3)**

Product	**TEFC, 3-phase, squirrel cage induction motor**		
Type/Frame	**M3KP 132SMF 4**	Calc. ref.	**3GZF021013-240**
Product code	**3GKP 132 260-ADK**		
Rated output P_N	**5,5** kW		
Type of duty	**S1(IEC) 100%**		

Voltage (V)	**400**	Current I_N (A)	**10,8**	Power factor at P_N	**0,81**
Frequency (Hz)	**50**	Speed (r/min)	**1462**	Efficiency (%) at P_N	**90,7**



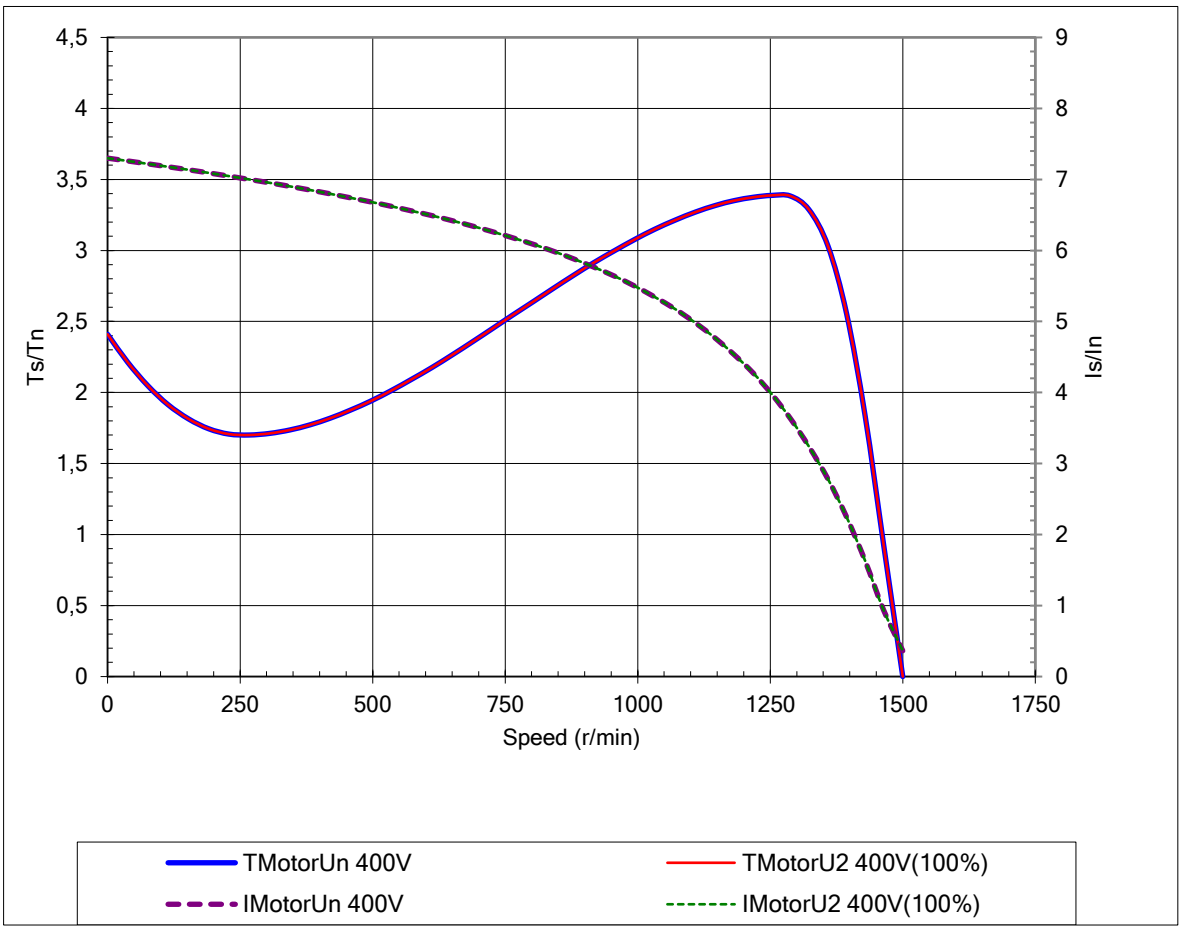
Load characteristics (IEC 60034-2-1:2014)
Data based on situation 27.03.2022

All data subject to tolerances in accordance with IEC

IEC LV Motors	Starting Curves		
	Project	Location	
Department/Author	Customer name	Customer ref	Item name **1,00001**
Our ref.	Rev/Changed b Date of issue **A 25.09.2022**	Saving ident **untitled.xlsm**	Pages **3(3)**

Type of product	**TEFC, 3-phase, squirrel cage induction motor**				
Type/Frame	**M3KP 132SMF 4**		Calc. ref.	3GZF021013-240	
Product code	**3GKP 132 260-ADK**		Frequency (Hz)	**50**	
Rated output P_N	**5,5** kW		Rated current I_N	**10,8**	A
Type of duty	**S1(IEC) 100%**				

J_{motor} (kgm2)	**0,0401**	Voltage (V) 100%	***400***	Voltage (V)	***400V(100%)***
J_{load} (kgm2)		T_{start}/T_N	***2,4***	T_{start}/T_N	***2,4***
Speed (r/min)	**1462**	Starting time (s)		Starting time (s)	
T_N (Nm)	**36**	Speed (r/min)		Speed (r/min)	
T_{load} (Nm)		I_s/I_n	***7,3***	I_s/I_n	***7,3***
Nbr. of Consecutive Starts at UN		T_{max}/T_n	***3,4***	T_{max}/T_n	***3,4***



Load characteristics (IEC 60034-2-1:2014)
Data based on situation 27.03.2022

All data subject to tolerances in accordance with IEC