



Technical data of Ex e motors

Technical data of Ex e vibration motors "increased safety"

The type indicates the size. The sizes cover various working moments according to the leaflet.



FRIEDRICH



Vimarc®

For all FE sizes: ATEX certificate: KEMA 03 ATEX 2233 X, IECEx KEM 10.0076 X

4-pole, 1460 rpm, 400V, 50 Hz							
Type	Temp. class	Output power kW	Nominal current I	Power factor cos φ	Efficiency η	Ia/In	t _E (s)
FE...-4 -1.2	T4	0.25	0.7	0.76	0.68	4.5	20
FE...-4 -2.2	T4	0.45	1.13	0.7	0.76	5.0	15
FE...-4 -2.1	T4	0.70	1.57	0.82	0.79	6.6	30
FE...-4 -2.3	T4	0.70	1.57	0.82	0.79	6.6	30
FE...-4 -4.0	T4	1.70	3.32	0.87	0.85	6.8	10
FE...-4 -4.3	T4	1.70	3.32	0.87	0.85	6.8	10
FE...-4 -4.1	T3	2.50	4.97	0.87	0.85	7.6	10
FE...-4 -4.2	T3	2.50	4.97	0.87	0.83	7.6	10

6-pole, 980 rpm, 400V, 50 Hz							
Type	Temp. class	Output power kW	Nominal current I	Power factor cos φ	Efficiency η	Ia/In	t _E (s)
FE...-6 -1.2	T4	0.20	0.78	0.62	0.63	3.8	20
FE...-6 -2.2	T4	0.30	0.95	0.68	0.70	4.2	20
FE...-6 -2.1	T4	0.60	1.65	0.70	0.75	5.4	15
FE...-6 -2.3	T4	0.60	1.65	0.70	0.75	5.4	15
FE...-6 -3.1	T4	1.10	2.59	0.77	0.80	5.3	15
FE...-6 -3.4	T4	1.10	2.59	0.77	0.80	5.3	15
FE...-6 -4.0	T4	1.80	4.27	0.75	0.81	5.9	15
FE...-6 -4.3	T4	1.80	4.27	0.75	0.81	5.9	15
FE...-6 -4.1	T4	2.17	4.68	0.80	0.83	6.6	15
FE...-6 -4.2	T4	2.17	4.68	0.80	0.83	6.6	15
FE...-6 -7.0	T4	3.00	6.08	0.84	0.85	7.7	24
FE...-6 -7.1	T4	3.00	6.08	0.84	0.85	7.7	24

8-pole, 740 rpm, 400V, 50 Hz							
Type	Temp. class	Output power kW	Nominal current I	Power factor cos φ	Efficiency η	Ia/In	t _E (s)
FE...-8 -4.0	T3	1.20	4.56	0.49	0.77	5.3	35
FE...-8 -7.0	T4	2.30	6.18	0.64	0.84	5.8	35
FE...-8 -7.1	T4	2.30	6.18	0.64	0.84	5.8	35

Example :	FE 75-4-2.2	Protection class: IP 66
	F Friedrich motors	Temperature class: F tropicalized insulation
	E increased safety	
	75 working moment	
	4 number of poles	
	2.2 model	