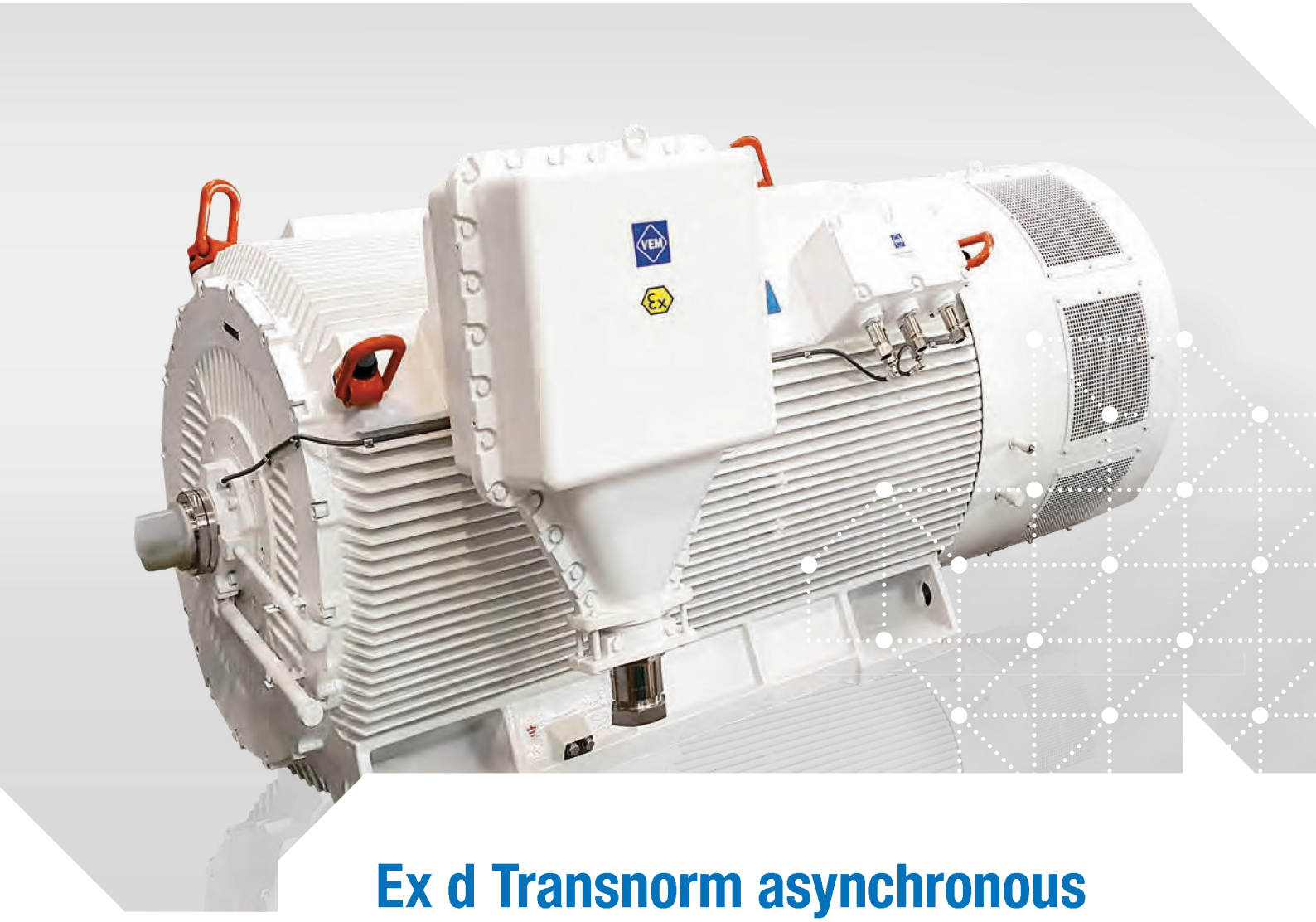
ELECTRIC DRIVES

FOR EVERY DEMAND



Ex d Transnorm asynchronous motors for high and low voltage with cooling type IC 411

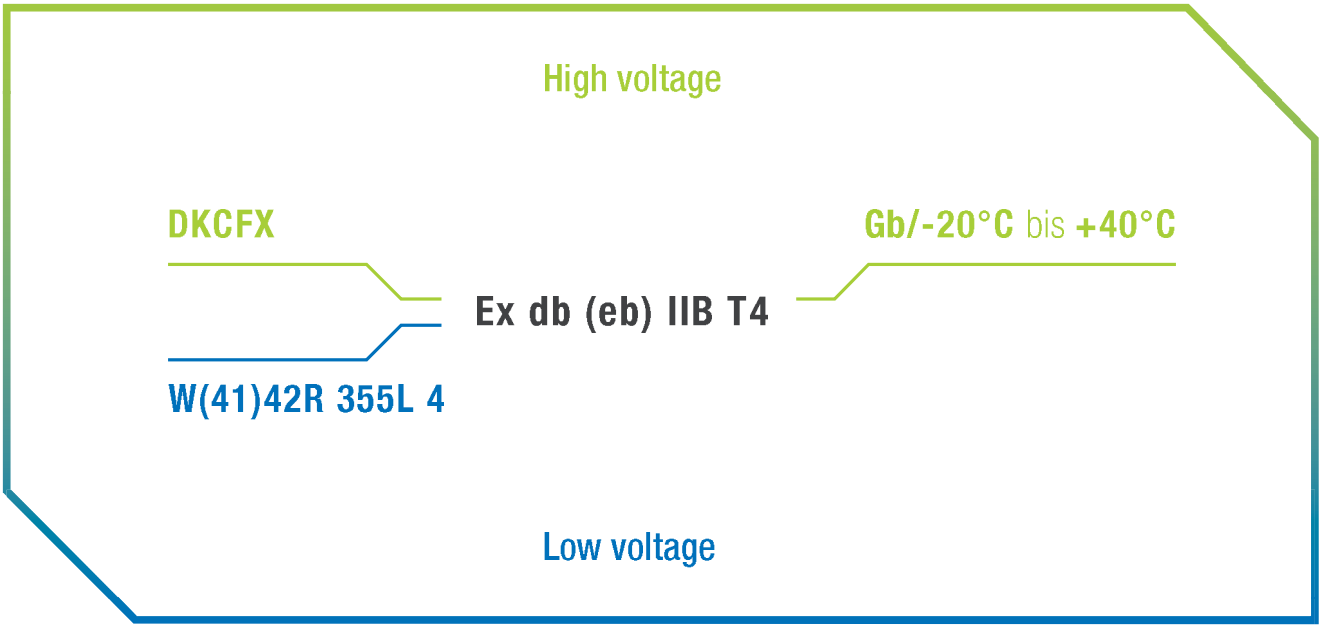
Flameproof three-phase motors
High and low voltage range

VEM offers motors in the protection type „flameproof enclosure", cooling type IC 411, protection class IP55 in the power range from 185 to 2240 kW. The designs are in accordance with the relevant standards DIN, IEC, EN and VDE. The motors are also available in low-noise versions.

The certification of the machines according to ATEX and IECEx was carried out by CNEX. The product range includes motors in protection types Ex-d (e) IIB and IIC and temperature classes T1 to T4.

The motors are available in rated voltages of 400 V to 11 kV and rated frequencies of 50 Hz and 60 Hz.

Type code high and low voltage



D Three-phase **K** Squirrel-cage **C** Type of cooling IC 411 (surface-cooling) **F** Flameproof zone 1 **X** Voltage level
db Flameproof **IIB** Gas group IIB (IIC) **T4** Temperatur class 135°C

VEM eKAT V10 www.shop.vem-group.com

Contact partners high voltage:

Ralf Hanauer
Phone: +49 351 208 3434

Elisabeth Möller
Phone +49 351 208 1450

Fax: +49 351 208 2239
E-mail: high-voltage@vem-group.com

Contact partner low voltage:

Horst Hasse
Phone: +49 171 306 2444

Fax: +49 3943 68 2440
E-mail: low-voltage@vem-group.com

Technical parameters 2-pole*, 6 kV

Type	P [kW]	M [Nm]	n [min-1]	η [%]	cosφ [-]	I [A]	Ia/In [-]	Ma/Mn [-]	Mk/Mn [-]	ATEX-Nr. [-]	J [kgm2]	m [kg]
DKCFX-3509-2	185	593	2979	93.7	0.91	20.9	6.5	0.66	3.01	CNEX 19ATEX 0001X	3.1	2600
DKCFX-3509-2	200	642	2977	93.8	0.91	22.5	6	0.61	2.78	CNEX 19ATEX 0001X	3.1	2600
DKCFX-3510-2	220	706	2978	94.2	0.91	24.7	6.3	0.64	2.93	CNEX 19ATEX 0001X	3.3	2600
DKCFX-3511-2	250	801	2979	94.5	0.91	28	6.5	0.66	2.97	CNEX 19ATEX 0001X	3.6	2700
DKCFX-3513-2	280	897	2981	94.8	0.91	31.3	6.7	0.68	3.06	CNEX 19ATEX 0001X	4.1	2800
DKCFX-3514-2	315	1009	2980	95	0.91	34.9	6.4	0.65	2.92	CNEX 19ATEX 0001X	4.4	2800
DKCFX-3515-2	355	1137	2982	95.3	0.91	39.4	7	0.72	3.16	CNEX 19ATEX 0001X	4.9	2900
DKCFX-3517-2	400	1281	2982	95.5	0.91	44.1	6.9	0.7	3.09	CNEX 19ATEX 0001X	5.36	3000
DKCFX-3518-2	450	1441	2982	95.7	0.92	49.4	6.8	0.69	3.02	CNEX 19ATEX 0001X	5.89	3100
DKCFX-3520-2	500	1601	2983	95.8	0.91	54.8	6.8	0.7	3.05	CNEX 19ATEX 0001X	6.4	3251
DKCFX 4017-2	500	1602	2981	95.7	0.93	54.4	5.7	0.61	2.47	CNEX 19ATEX 0001X	9.12	4000
DKCFX 4018-2	560	1793	2982	95.9	0.93	60.7	5.8	0.63	2.48	CNEX 19ATEX 0001X	10	4200
DKCFX 4020-2	630	2017	2983	96.1	0.93	68.1	6	0.65	2.54	CNEX 19ATEX 0001X	10.9	4300
DKCFX 4022-2	710	2272	2984	96.2	0.93	76.8	6.4	0.7	2.68	CNEX 19ATEX 0001X	11.9	4400
DKCFX-4519-2	710	2272	2985	96.2	0.92	77.2	6.4	0.57	2.84	CNEX 19ATEX 0001X	15.3	5200
DKCFX-4521-2	800	2558	2987	96.3	0.92	87.1	6.9	0.62	3.03	CNEX 19ATEX 0001X	17	5400
DKCFX-4522-2	900	2878	2986	96.5	0.92	97.6	6.7	0.6	2.93	CNEX 19ATEX 0001X	18.4	5600
DKCFX-4524-2	1000	3197	2987	96.7	0.92	108.3	6.6	0.6	2.91	CNEX 19ATEX 0001X	19.7	5800
DKCFX-5021-2	1000	3195	2989	96.3	0.92	108.7	5.6	0.34	2.59	CNEX 19ATEX 0001X	25.8	7200
DKCFX-5023-2	1120	3577	2990	96.5	0.92	121.3	5.6	0.34	2.56	CNEX 19ATEX 0001X	28.3	7500
DKCFX-5025-2	1250	3992	2990	96.6	0.92	135	5.6	0.34	2.56	CNEX 19ATEX 0001X	31.2	7800
DKCFX-5027-2	1400	4472	2990	96.8	0.92	150.8	5.8	0.36	2.65	CNEX 19ATEX 0001X	34.1	8100
DKCFX-5623-2	1400	4470	2991	96.3	0.93	150	5.4	0.32	2.45	CNEX 19ATEX 0001X	43.9	10000
DKCFX-5625-2	1600	5110	2990	96.5	0.93	170.9	5.3	0.31	2.37	CNEX 19ATEX 0001X	49.1	10400
DKCFX-5628-2	1800	5747	2991	96.7	0.93	191.7	5.4	0.33	2.43	CNEX 19ATEX 0001X	53.6	10800
DKCFX-5630-2	2000	6384	2992	96.8	0.94	212.4	5.8	0.35	2.58	CNEX 19ATEX 0001X	58.1	11200

* 2-pole motors in sleeve bearing design may only be operated with a limited axial play coupling, even under no-load condition.

Technical parameters 4-pole, 6 kV

Type	P [kW]	M [Nm]	n [min-1]	η [%]	cosφ [-]	I [A]	Ia/In [-]	Ma/Mn [-]	Mk/Mn [-]	ATEX-Nr. [-]	J [kgm2]	m [kg]
DKCFX-3510-4	185	1187	1489	94	0.86	22	5.9	0.72	2.7	CNEX 19ATEX 0001X	5.64	2700
DKCFX-3510-4	200	1284	1488	94.1	0.87	23.6	5.5	0.67	2.49	CNEX 19ATEX 0001X	5.64	2700
DKCFX-3512-4	220	1412	1488	94.4	0.88	25.4	5.4	0.65	2.41	CNEX 19ATEX 0001X	6.58	2800
DKCFX-3513-4	250	1605	1488	94.7	0.88	28.8	5.4	0.66	2.41	CNEX 19ATEX 0001X	7.15	2900
DKCFX-3514-4	280	1795	1490	94.8	0.87	32.5	6	0.75	2.67	CNEX 19ATEX 0001X	8.09	3000
DKCFX-3516-4	315	2019	1490	94.8	0.86	37	6.4	0.82	2.85	CNEX 19ATEX 0001X	8.84	3000
DKCFX-3517-4	355	2275	1490	95	0.88	41	6.1	0.77	2.68	CNEX 19ATEX 0001X	9.78	3100
DKCFX-3519-4	400	2565	1490	95.3	0.89	45.7	5.9	0.73	2.55	CNEX 19ATEX 0001X	10.7	3200
DKCFX-3521-4	450	2886	1489	95.5	0.89	51.1	5.7	0.71	2.47	CNEX 19ATEX 0001X	11.7	3300
DKCFX-3522-4	500	3206	1490	95.6	0.89	56.8	5.8	0.72	2.48	CNEX 19ATEX 0001X	12.6	3500
DKCFX-3524-4	560	3590	1490	95.8	0.88	63.8	5.9	0.75	2.52	CNEX 19ATEX 0001X	13.5	3600
DKCFX-4021-4	560	3587	1491	95.9	0.86	65.3	6.4	0.76	2.79	CNEX 19ATEX 0001X	17.5	4200
DKCFX-4022-4	630	4035	1491	96.1	0.86	73.2	6.2	0.74	2.69	CNEX 19ATEX 0001X	18.7	4300
DKCFX-4024-4	710	4548	1491	96.2	0.87	81.7	5.9	0.7	2.56	CNEX 19ATEX 0001X	20.3	4400
DKCFX-4026-4	800	5125	1491	96.4	0.87	91.7	5.8	0.68	2.48	CNEX 19ATEX 0001X	22	4600
DKCFX-4523-4	800	5128	1490	96.1	0.89	90.4	5.6	0.76	2.27	CNEX 19ATEX 0001X	30.2	5600
DKCFX-4525-4	900	5768	1490	96.1	0.89	101.6	5.4	0.75	2.2	CNEX 19ATEX 0001X	32.4	5700
DKCFX-4527-4	1000	6409	1490	96.3	0.89	112.8	5.4	0.75	2.2	CNEX 19ATEX 0001X	34.5	5900
DKCFX-5022-4	1000	6392	1494	96.5	0,.88	112.8	5.4	0.36	2.41	CNEX 19ATEX 0001X	43.5	6700
DKCFX-5024-4	1120	7159	1494	96.7	0.89	125.9	5.4	0.36	2.36	CNEX 19ATEX 0001X	47.6	7000
DKCFX-5026-4	1250	7990	1494	96.8	0.89	140.2	5.4	0.36	2.35	CNEX 19ATEX 0001X	52.3	7300
DKCFX-5028-4	1400	8943	1495	97	0.89	156.9	5.5	0.37	2.4	CNEX 19ATEX 0001X	56.9	7600
DKCFX-5031-4	1600	10221	1495	97.1	0.89	179.2	5.6	0.38	2.44	CNEX 19ATEX 0001X	63	7900
DKCFX-5627-4	1600	10221	1495	96.7	0.9	177.9	6	0.51	2.51	CNEX 19ATEX 0001X	86.8	9600
DKCFX-5629-4	1800	11498	1495	96.8	0.9	199.2	5.7	0.49	2.4	CNEX 19ATEX 0001X	93.3	9900
DKCFX-5631-4	2000	12784	1494	97	0.9	220.5	5.6	0.47	2.31	CNEX 19ATEX 0001X	102	10300
DKCFX-5634-4	2240	14319	1494	97.1	0.9	246.5	5.4	0.46	2.25	CNEX 19ATEX 0001X	111	10800

Technical parameters 6-pole, 6 kV

Type	P [kW]	M [Nm]	n [min-1]	η [%]	cosφ [-]	I [A]	Ia/In [-]	Ma/Mn [-]	Mk/Mn [-]	ATEX-Nr. [-]	J [kgm2]	m [kg]
DKCFX-3512-6	185	1783	991	94.4	0.84	22.4	5.2	0.71	2.36	CNEX 19ATEX 0001X	8.98	2800
DKCFX-3513-6	200	1928	991	94.5	0.84	24.3	5.5	0.75	2.46	CNEX 19ATEX 0001X	9.7	2900
DKCFX-3515-6	220	2118	992	94.8	0,.84	26.6	5.6	0.77	2.5	CNEX 19ATEX 0001X	10.9	3000
DKCFX-3518-6	250	2404	993	94.8	0.83	30.6	6.1	0.84	2.72	CNEX 19ATEX 0001X	12.9	3100
DKCFX-3519-6	280	2696	992	95	0.84	33.8	5.8	0.79	2.57	CNEX 19ATEX 0001X	14.1	3200
DKCFX-3521-6	315	3033	992	95.2	0.85	37.7	5.6	0.75	2.46	CNEX 19ATEX 0001X	15.3	3300
DKCFX-3523-6	355	3418	992	95.3	0.85	42.3	5.4	0.73	2.39	CNEX 19ATEX 0001X	16.5	3400
DKCFX-3524-6	400	3851	992	95.4	0.85	47.7	5.4	0.72	2.36	CNEX 19ATEX 0001X	17.7	3600
DKCFX-4017-6	400	3855	991	95.2	0,.4	48.2	4.3	0.6	1.86	CNEX 19ATEX 0001X	19.6	3900
DKCFX-4020-6	450	4341	990	95.4	0.85	53.6	4.1	0.57	1.77	CNEX 19ATEX 0001X	22.7	4100
DKCFX-4023-6	500	4823	990	95.6	0.85	59.2	4.1	0.57	1.76	CNEX 19ATEX 0001X	25.7	4400
DKCFX-4026-6	560	5397	991	95.8	0.85	66	4.2	0.58	1.79	CNEX 19ATEX 0001X	29.1	4600
DKCFX-4027-6	630	6065	992	95.9	0.85	74.4	4.9	0.72	2,.2	CNEX 19ATEX 0001X	31	4700
DKCFX-4523-6	630	6053	994	96	0.88	71.6	6.1	0.72	2.65	CNEX 19ATEX 0001X	47.6	5600
DKCFX-4525-6	710	6821	994	96.1	0.89	80.3	5.8	0.69	2.53	CNEX 19ATEX 0001X	51	5700
DKCFX-4527-6	800	7686	994	96.2	0.89	90.4	5.7	0.67	2.45	CNEX 19ATEX 0001X	54.4	5900
DKCFX-5023-6	800	7678	995	96	0.87	91.8	6.5	0.77	2.73	CNEX 19ATEX 0001X	74.5	6800
DKCFX-5025-6	900	8638	995	96.2	0.88	102.5	6.3	0.73	2.61	CNEX 19ATEX 0001X	82.2	7100
DKCFX-5027-6	1000	9598	995	96.3	0.88	113.9	6.4	0.75	2.63	CNEX 19ATEX 0001X	87.8	7300
DKCFX-5029-6	1120	10750	995	96.5	0.88	127.5	6.4	0.76	2.64	CNEX 19ATEX 0001X	95.3	7600
DKCFX-5031-6	1250	11985	996	96.6	0.87	142.8	6.6	0.79	2.72	CNEX 19ATEX 0001X	103	7900
DKCFX-5629-6	1250	11985	996	96.4	0.88	141.5	6.3	0.64	2.71	CNEX 19ATEX 0001X	155	10000
DKCFX-5632-6	1400	13424	996	96.6	0.89	157.3	5.9	0.61	2.56	CNEX 19ATEX 0001X	169	10400
DKCFX-5633-6	1600	15341	996	96.7	0.89	179.8	5.8	0.59	2.47	CNEX 19ATEX 0001X	178	10700
DKCFX-5637-6	1800	17276	995	96.8	0.89	201.3	5.5	0.56	2.35	CNEX 19ATEX 0001X	196	11200

Technical parameters 8-pole, 6 kV

Type	P [kW]	M [Nm]	n [min-1]	η [%]	cosφ [-]	I [A]	Ia/In [-]	Ma/Mn [-]	Mk/Mn [-]	ATEX-Nr. [-]	J [kgm2]	m [kg]
DKCFX-3518-8	200	2571	743	94	0.79	26	5	0.84	2.36	CNEX 19ATEX 0001X	5.64	2700
DKCFX-3520-8	220	2832	742	94.2	0.8	28.2	4.8	0.8	2.27	CNEX 19ATEX 0001X	5.64	2700
DKCFX-3522-8	250	3218	742	94.4	0.8	31.7	4.6	0.75	2.14	CNEX 19ATEX 0001X	6.58	2800
DKCFX-3523-8	280	3604	742	94.6	0.8	35.4	4.5	0.73	2.09	CNEX 19ATEX 0001X	7.15	2900
DKCFX-3525-8	315	4054	742	94.7	0.8	40.5	4.4	0.73	2.07	CNEX 19ATEX 0001X	8.09	3000
DKCFX-4019-8	315	4054	742	94.7	0.79	40.3	4.2	0.68	1.8	CNEX 19ATEX 0001X	8.84	3000
DKCFX-4022-8	355	4569	742	94.9	0.8	45	4	0.64	1.71	CNEX 19ATEX 0001X	9.78	3100
DKCFX-4024-8	400	5148	742	95	0.8	50.5	3.9	0.63	1.67	CNEX 19ATEX 0001X	10.7	3200
DKCFX-4026-8	450	5792	742	95.1	0.8	57	4	0.65	1.7	CNEX 19ATEX 0001X	11.7	3300
DKCFX-4522-8	450	5776	744	95.4	0.84	54.3	4.9	0.62	2.2	CNEX 19ATEX 0001X	12.6	3500
DKCFX-4523-8	500	6409	745	95.6	0.83	60.6	5.1	0.65	2.29	CNEX 19ATEX 0001X	13.5	3600
DKCFX-4526-8	560	7179	745	95.7	0.83	68	5.2	0.67	2.34	CNEX 19ATEX 0001X	17.5	4200
DKCFX-4528-8	630	8076	745	95.8	0.81	78.1	5.6	0.74	2.52	CNEX 19ATEX 0001X	18.7	4300
DKCFX-5023-8	630	8076	745	95.8	0.84	75.6	6	0.85	2.54	CNEX 19ATEX 0001X	20.3	4400
DKCFX-5025-8	710	9101	745	96	0.84	84.6	5.7	0.8	2.41	CNEX 19ATEX 0001X	22	4600
DKCFX-5027-8	800	10255	745	96.1	0.85	94.7	5.4	0.75	2.28	CNEX 19ATEX 0001X	30.2	5600
DKCFX-5030-8	900	11537	745	96.2	0.85	106	5.2	0.71	2.17	CNEX 19ATEX 0001X	32.4	5700
DKCFX-5625-8	900	11521	746	96.1	0.85	106.7	6.1	0.89	2.52	CNEX 19ATEX 0001X	34.5	5900
DKCFX-5627-8	1000	12802	746	96.2	0.85	117.8	6	0.86	2.45	CNEX 19ATEX 0001X	43.5	6700
DKCFX-5630-8	1120	14338	746	96.4	0.85	131.3	5.8	0.84	2.38	CNEX 19ATEX 0001X	47.6	7000
DKCFX-5633-8	1250	16002	746	96.5	0.85	146.2	5.8	0.84	2.37	CNEX 19ATEX 0001X	52.3	7300
DKCFX-5637-8	1400	17922	746	96.6	0.85	163.6	5.7	0.81	2.33	CNEX 19ATEX 0001X	56.9	7600

Technical parameters 10-pole, 6 kV

Type	P [kW]	M [Nm]	n [min-1]	η [%]	cosφ [-]	I [A]	Ia/In [-]	Ma/Mn [-]	Mk/Mn [-]	ATEX-Nr. [-]	J [kgm2]	m [kg]
DKCFX-4017-10	220	3543	593	94	0.79	28.5	4.3	0.65	2.02	CNEX 19ATEX 0001X	23	3900
DKCFX-4019-10	250	4026	593	94.1	0.79	32.2	4.2	0.64	1.99	CNEX 19ATEX 0001X	25.7	4100
DKCFX-4023-10	280	4509	593	94.3	0.8	35.7	4.2	0.62	1.95	CNEX 19ATEX 0001X	30.1	4300
DKCFX-4025-10	315	5073	593	94.6	0.79	40.5	4.4	0.66	2.06	CNEX 19ATEX 0001X	33.2	4500
DKCFX-4522-10	315	5056	595	94.5	0.79	40.5	4.9	0.81	2.22	CNEX 19ATEX 0001X	58.9	5400
DKCFX-4523-10	355	5707	594	94.7	0.8	45.2	4.7	0.77	2.11	CNEX 19ATEX 0001X	63.4	5500
DKCFX-4525-10	400	6431	594	94.8	0.8	50.7	4.5	0.74	2.03	CNEX 19ATEX 0001X	67.9	5700
DKCFX-4527-10	450	7235	594	95	0.8	57	4.4	0.72	1.99	CNEX 19ATEX 0001X	72.5	5900
DKCFX-5022-10	450	7223	595	94.9	0.81	56.6	5.4	0.88	2.57	CNEX 19ATEX 0001X	81.5	6500
DKCFX-5025-10	500	8025	595	95	0.81	62.8	5.6	0.92	2.66	CNEX 19ATEX 0001X	92.7	6800
DKCFX-5026-10	560	8988	595	95.2	0.81	69.9	5.4	0.87	2.55	CNEX 19ATEX 0001X	99	7100
DKCFX-5028-10	630	10112	595	95.4	0.81	78.3	5.3	0.86	2.51	CNEX 19ATEX 0001X	105	7300
DKCFX-5030-10	710	11396	595	95.5	0.81	88.1	5.1	0.82	2.42	CNEX 19ATEX 0001X	113	7600
DKCFX-5625-10	710	11377	596	95.7	0.84	85.4	5.8	0.85	2.51	CNEX 19ATEX 0001X	171	9300
DKCFX-5627-10	800	12819	596	95.9	0.84	95.8	5.6	0.8	2.41	CNEX 19ATEX 0001X	184	9700
DKCFX-5630-10	900	14421	596	96	0.84	107.2	5.4	0.78	2.34	CNEX 19ATEX 0001X	202	10100
DKCFX-5633-10	1000	16023	596	96.1	0.84	119.1	5.4	0.78	2.35	CNEX 19ATEX 0001X	220	10500
DKCFX-5636-10	1120	17946	596	96.2	0.84	133.4	5.5	0.79	2.36	CNEX 19ATEX 0001X	242	11000

Technical parameters 12-pole, 6 kV

Type	P [kW]	M [Nm]	n [min-1]	η [%]	cosφ [-]	I [A]	Ia/In [-]	Ma/Mn [-]	Mk/Mn [-]	ATEX-Nr. [-]	J [kgm2]	m [kg]
DKCFX-4521-12	220	4244	495	94	0.75	29.2	5.1	0.82	2.63	CNEX 19ATEX 0001X	56.3	5300
DKCFX-4522-12	250	4823	495	94.2	0.76	33.8	5	0.79	2.53	CNEX 19ATEX 0001X	59	5400
DKCFX-4523-12	280	5402	495	94.3	0.75	37.9	4.9	0.77	2.5	CNEX 19ATEX 0001X	61.8	5500
DKCFX-4524-12	315	6077	495	94.5	0.76	42.5	4.8	0.75	2.43	CNEX 19ATEX 0001X	66.3	5700
DKCFX-4527-12	355	6849	495	94.6	0.76	47.4	4.7	0.72	2.35	CNEX 19ATEX 0001X	72.7	5900
DKCFX-5023-12	355	6835	496	94.8	0.79	45.6	5.2	0.74	2.57	CNEX 19ATEX 0001X	103	6700
DKCFX-5024-12	400	7702	496	94.9	0.79	51.2	5	0.72	2.5	CNEX 19ATEX 0001X	107	6800
DKCFX-5025-12	450	8664	496	95.1	0.8	57	5.6	0.88	2.71	CNEX 19ATEX 0001X	112	6900
DKCFX-5027-12	500	9646	495	95.2	0.8	62.9	5.4	0.84	2.62	CNEX 19ATEX 0001X	121	7200
DKCFX-5030-12	560	10804	495	95.4	0.82	69.3	5.1	0.77	2.45	CNEX 19ATEX 0001X	136	7600
DKCFX-5625-12	560	10782	496	95.5	0.82	68.9	5.3	0.8	2.43	CNEX 19ATEX 0001X	169	9200
DKCFX-5627-12	630	12130	496	95.6	0.82	77.3	5.2	0.78	2.38	CNEX 19ATEX 0001X	180	9500
DKCFX-5629-12	710	13670	496	95.7	0.82	86.6	5	0.75	2.29	CNEX 19ATEX 0001X	198	9900
DKCFX-5633-12	800	15403	496	95.8	0.83	97.1	4.9	0.73	2.22	CNEX 19ATEX 0001X	220	10400
DKCFX-5636-12	900	17329	496	95.9	0.83	109.1	4.9	0.72	2.22	CNEX 19ATEX 0001X	243	10900

Technical parameters 2-pole*, 10 kV

Type	P [kW]	M [Nm]	n [min-1]	η [%]	cosφ [-]	I [A]	Ia/In [-]	Ma/Mn [-]	Mk/Mn [-]	ATEX-Nr. [-]	J [kgm2]	m [kg]
DKCFY-4010-2	185	592	2986	93.8	0.90	13	7.28	0.71	3.31	CNEX 19ATEX 0001X	5.5	3400
DKCFY-4010-2	200	640	2984	93.9	0.91	14	6.77	0.65	3.06	CNEX 19ATEX 0001X	5.5	3400
DKCFY-4010-2	220	704	2983	94.0	0.91	15	6.19	0.59	2.78	CNEX 19ATEX 0001X	5.5	3400
DKCFY-4011-2	250	801	2982	94.2	0.92	17	5.94	0.58	2.65	CNEX 19ATEX 0001X	6.0	3500
DKCFY-4012-2	280	897	2982	94.3	0.92	19	5.96	0.58	2.65	CNEX 19ATEX 0001X	6.4	3500
DKCFY-4012-2	315	1008	2983	94.6	0.92	21	6.02	0.59	2.67	CNEX 19ATEX 0001X	6.8	3600
DKCFY-4014-2	355	1137	2983	94.9	0.92	23	5.90	0.59	2.59	CNEX 19ATEX 0001X	7.7	3700
DKCFY-4016-2	400	1281	2983	95.1	0.93	26	5.91	0.60	2.57	CNEX 19ATEX 0001X	8.6	3900
DKCFY-4017-2	450	1440	2984	95.3	0.92	30	6.25	0.64	2.70	CNEX 19ATEX 0001X	9.1	3900
DKCFY-4018-2	500	1600	2985	95.4	0.82	33	6.50	0.70	2.87	CNEX 19ATEX 0001X	10.0	4100
DKCFY-4517-2	500	1599	2986	95.3	0.92	33	6.46	0.55	2.92	CNEX 19ATEX 0001X	13.7	4900
DKCFY-4518-2	560	1792	2985	95.6	0.92	37	6.22	0.53	2.80	CNEX 19ATEX 0001X	14.8	5100
DKCFY-4519-2	630	2016	2985	95.8	0.92	41	6.10	0.52	2.74	CNEX 19ATEX 0001X	15.6	5200
DKCFY-4520-2	710	2272	2985	96.1	0.92	46	6.06	0.52	2.71	CNEX 19ATEX 0001X	16.4	5300
DKCFY-4522-2	800	2559	2985	96.2	0.92	52	5.96	0.51	2.65	CNEX 19ATEX 0001X	17.8	5500
DKCFY-4523-2	900	2879	2985	96.4	0.92	58	5.97	0.51	2.64	CNEX 19ATEX 0001X	19.2	5700
DKCFY-5019-2	900	2876	2989	95.9	0.92	59	5.35	0.32	2.48	CNEX 19ATEX 0001X	24.1	6900
DKCFY-5022-2	1000	3195	2989	96.2	0.92	65	5.37	0.32	2.48	CNEX 19ATEX 0001X	27.1	7200
DKCFY-5023-2	1120	3577	2990	96.4	0.92	73	5.58	0.33	2.56	CNEX 19ATEX 0001X	29.1	7500
DKCFY-5025-2	1250	3991	2991	96.6	0.92	81	6.10	0.37	2.78	CNEX 19ATEX 0001X	31.2	7700
DKCFY-5623-2	1250	3990	2992	96.0	0.94	80	6.18	0.37	2.79	CNEX 19ATEX 0001X	45.2	9900
DKCFY-5624-2	1400	4469	2992	96.2	0.94	90	5.97	0.35	2.69	CNEX 19ATEX 0001X	47.1	10100
DKCFY-5626-2	1600	5107	2992	96.4	0.94	103	6.37	0.38	2.84	CNEX 19ATEX 0001X	51.0	10400
DKCFY-5628-2	1800	5745	2992	96.5	0.94	115	6.27	0.38	2.78	CNEX 19ATEX 0001X	54.2	10700

* 2-pole motors in sleeve bearing design may only be operated with a limited axial play coupling, even under no-load condition.

Technical parameters 4-pole, 10 kV

Type	P [kW]	M [Nm]	n [min-1]	η [%]	cosφ [-]	I [A]	Ia/In [-]	Ma/Mn [-]	Mk/Mn [-]	ATEX-Nr. [-]	J [kgm2]	m [kg]
DKCFY-4012-4	185	1186	1490	93.5	0.88	13	5.47	0.58	2.52	CNEX 19ATEX 0001X	9.9	3400
DKCFY-4012-4	200	1283	1489	93.7	0.88	14	5.06	0.53	2.33	CNEX 19ATEX 0001X	9.9	3400
DKCFY-4012-4	220	1410	1490	94.0	0.87	16	5.34	0.56	2.46	CNEX 19ATEX 0001X	9.9	3400
DKCFY-4013-4	250	1603	1489	94.3	0.88	18	5.22	0.55	2.39	CNEX 19ATEX 0001X	10.7	3500
DKCFY-4013-4	280	1795	1490	94.5	0.86	20	5.53	0.60	2.53	CNEX 19ATEX 0001X	10.7	3500
DKCFY-4014-4	315	2019	1490	94.7	0.87	22	5.53	0.60	2.50	CNEX 19ATEX 0001X	12.2	3600
DKCFY-4016-4	355	2275	1490	95.0	0.88	25	5.60	0.61	2.51	CNEX 19ATEX 0001X	13.6	3800
DKCFY-4018-4	400	2560	1492	95.2	0.86	28	6.36	0.71	2.85	CNEX 19ATEX 0001X	15.5	3900
DKCFY-4019-4	450	2880	1492	95.4	0.86	32	6.24	0.70	2.79	CNEX 19ATEX 0001X	16.4	4000
DKCFY-4021-4	500	3203	1491	95.6	0.87	35	6.12	0.69	2.72	CNEX 19ATEX 0001X	17.8	4200
DKCFY-4023-4	560	3587	1491	95.8	0.87	39	6.04	0.68	2.67	CNEX 19ATEX 0001X	19.2	4300
DKCFY-4519-4	560	3587	1491	95.5	0.88	39	5.84	0.74	2.48	CNEX 19ATEX 0001X	25.0	5100
DKCFY-4521-4	630	4035	1491	95.7	0.88	43	5.66	0.72	2.39	CNEX 19ATEX 0001X	27.2	5300
DKCFY-4522-4	710	4548	1491	95.9	0.88	49	5.63	0.72	2.36	CNEX 19ATEX 0001X	28.9	5400
DKCFY-4524-4	800	5124	1491	96.0	0.88	55	5.64	0.73	2.35	CNEX 19ATEX 0001X	31.1	5600
DKCFY-4526-4	900	5765	1491	96.1	0.87	62	5.75	0.76	2.38	CNEX 19ATEX 0001X	33.2	5800
DKCFY-5021-4	900	5753	1494	96.1	0.88	62	6.06	0.56	2.56	CNEX 19ATEX 0001X	42.9	6500
DKCFY-5023-4	1000	6392	1494	96.3	0.88	68	6.29	0.59	2.64	CNEX 19ATEX 0001X	46.9	6800
DKCFY-5026-4	1120	7159	1494	96.5	0.88	77	6.54	0.62	2.72	CNEX 19ATEX 0001X	52.3	7100
DKCFY-5028-4	1250	7990	1494	96.6	0.88	85	6.42	0.62	2.65	CNEX 19ATEX 0001X	55.6	7400
DKCFY-5622-4	1250	7985	1495	96.3	0.89	85	5.79	0.46	2.51	CNEX 19ATEX 0001X	70.5	8800
DKCFY-5624-4	1400	8943	1495	96.5	0.89	94	5.48	0.43	2.36	CNEX 19ATEX 0001X	78.1	9200
DKCFY-5627-4	1600	10221	1495	96.7	0.89	108	5.99	0.49	2.56	CNEX 19ATEX 0001X	87.8	9600
DKCFY-5629-4	1800	11498	1495	96.8	0.89	121	5.94	0.49	2.52	CNEX 19ATEX 0001X	95.4	10000
DKCFY-5632-4	2000	12776	1495	96.9	0.89	134	6.04	0.50	2.55	CNEX 19ATEX 0001X	104.0	10400

Technical parameters 6-pole, 10 kV

Type	P [kW]	M [Nm]	n [min-1]	η [%]	cosφ [-]	I [A]	Ia/In [-]	Ma/Mn [-]	Mk/Mn [-]	ATEX-Nr. [-]	J [kgm2]	m [kg]
DKCFY-4012-6	185	1781	992	93.0	0.84	14	5.28	0.74	2.32	CNEX 19ATEX 0001X	13.6	3400
DKCFY-4012-6	200	1923	993	93.2	0.82	15	5.57	0.81	2.48	CNEX 19ATEX 0001X	13.6	3400
DKCFY-4013-6	220	2116	993	93.6	0.83	16	5.55	0.79	2.44	CNEX 19ATEX 0001X	15.1	3500
DKCFY-4015-6	250	2404	993	93.9	0.84	18	5.36	0.76	2.33	CNEX 19ATEX 0001X	17.0	3700
DKCFY-4017-6	280	2693	993	94.2	0.84	20	5.37	0.76	2.31	CNEX 19ATEX 0001X	18.9	3800
DKCFY-4019-6	315	3026	994	94.5	0.83	23	5.86	0.85	2.55	CNEX 19ATEX 0001X	21.2	3900
DKCFY-4021-6	355	3411	994	94.7	0.82	26	6.06	0.89	2.63	CNEX 19ATEX 0001X	23.8	4100
DKCFY-4023-6	400	3843	994	94.9	0.84	29	5.73	0.83	2.45	CNEX 19ATEX 0001X	26.4	4300
DKCFY-4024-6	450	4323	994	95.1	0.83	33	5.67	0.82	2.43	CNEX 19ATEX 0001X	27.6	4400
DKCFY-4519-6	450	4319	995	95.2	0.86	32	6.43	0.73	2.88	CNEX 19ATEX 0001X	38.8	5100
DKCFY-4521-6	500	4804	994	95.4	0.87	35	6.30	0.72	2.80	CNEX 19ATEX 0001X	42.2	5200
DKCFY-4522-6	560	5380	994	95.6	0.87	39	6.13	0.70	2.71	CNEX 19ATEX 0001X	45.6	5400
DKCFY-4524-6	630	6053	994	95.8	0.88	43	6.03	0.69	2.66	CNEX 19ATEX 0001X	49.0	5600
DKCFY-4527-6	710	6821	994	95.9	0.88	49	5.86	0.67	2.57	CNEX 19ATEX 0001X	54.4	5800
DKCFY-5021-6	710	6815	995	95.6	0.87	49	6.02	0.66	2.58	CNEX 19ATEX 0001X	67.9	6500
DKCFY-5023-6	800	7678	995	95.8	0.87	55	5.92	0.65	2.52	CNEX 19ATEX 0001X	74.5	6700
DKCFY-5025-6	900	8638	995	96.0	0.88	62	5.90	0.66	2.49	CNEX 19ATEX 0001X	82.2	7000
DKCFY-5028-6	1000	9598	995	96.2	0.88	69	6.04	0.68	2.53	CNEX 19ATEX 0001X	91.0	7400
DKCFY-5030-6	1120	10739	996	96.3	0.87	77	6.40	0.73	2.67	CNEX 19ATEX 0001X	98.6	7700
DKCFY-5628-6	1120	10739	996	96.0	0.88	77	6.61	0.67	2.89	CNEX 19ATEX 0001X	151.0	9700
DKCFY-5630-6	1250	11985	996	96.2	0.88	85	6.30	0.63	2.74	CNEX 19ATEX 0001X	162.0	10000
DKCFY-5633-6	1400	13424	996	96.4	0.88	95	6.00	0.60	2.60	CNEX 19ATEX 0001X	175.0	10400
DKCFY-5635-6	1600	15341	996	96.6	0.89	108	5.58	0.55	2.42	CNEX 19ATEX 0001X	187.0	10800

Technical parameters 8-pole, 10 kV

Type	P [kW]	M [Nm]	n [min-1]	η [%]	cosφ [-]	I [A]	Ia/In [-]	Ma/Mn [-]	Mk/Mn [-]	ATEX-Nr. [-]	J [kgm2]	m [kg]
DKCFY-4015-8	185	2375	744	93.3	0.77	15	4.87	0.78	2.17	CNEX 19ATEX 0001X	19.8	3700
DKCFY-4017-8	200	2567	744	93.6	0.78	16	4.87	0.78	2.16	CNEX 19ATEX 0001X	22.1	3800
DKCFY-4019-8	220	2824	744	93.9	0.79	17	4.80	0.76	2.12	CNEX 19ATEX 0001X	24.7	4000
DKCFY-4021-8	250	3209	744	94.1	0.80	19	4.64	0.72	2.03	CNEX 19ATEX 0001X	27.8	4200
DKCFY-4023-8	280	3594	744	94.3	0.80	22	4.69	0.73	2.04	CNEX 19ATEX 0001X	30.9	4300
DKCFY-4026-8	315	4043	744	94.5	0.80	24	4.81	0.76	2.08	CNEX 19ATEX 0001X	34.4	4500
DKCFY-4518-8	315	4038	745	94.5	0.82	23	5.30	0.65	2.43	CNEX 19ATEX 0001X	37.6	5000
DKCFY-4520-8	355	4551	745	94.7	0.82	26	5.41	0.67	2.47	CNEX 19ATEX 0001X	41.0	5100
DKCFY-4522-8	400	5128	745	94.9	0.82	30	5.61	0.71	2.56	CNEX 19ATEX 0001X	45.1	5300
DKCFY-4525-8	450	5761	746	95.2	0.81	34	5.60	0.71	2.61	CNEX 19ATEX 0001X	51.2	5600
DKCFY-4527-8	500	6401	746	95.4	0.81	37	5.57	0.69	2.56	CNEX 19ATEX 0001X	54.6	5800
DKCFY-4528-8	560	7169	746	95.5	0.81	42	5.52	0.69	2.53	CNEX 19ATEX 0001X	58.0	6000
DKCFY-5021-8	560	7179	745	95.5	0.84	41	5.36	0.71	2.32	CNEX 19ATEX 0001X	80.1	6500
DKCFY-5024-8	630	8065	746	95.7	0.83	46	5.84	0.79	2.53	CNEX 19ATEX 0001X	90.1	6800
DKCFY-5026-8	710	9089	746	95.9	0.83	52	5.78	0.78	2.49	CNEX 19ATEX 0001X	97.6	7100
DKCFY-5029-8	800	10241	746	96.0	0.83	58	5.71	0.77	2.45	CNEX 19ATEX 0001X	108.0	7400
DKCFY-5623-8	800	10241	746	95.7	0.85	57	5.64	0.77	2.36	CNEX 19ATEX 0001X	157.0	9000
DKCFY-5626-8	900	11521	746	95.9	0.85	64	5.52	0.76	2.29	CNEX 19ATEX 0001X	172.0	9400
DKCFY-5628-8	1000	12802	746	96.0	0.85	71	5.54	0.76	2.29	CNEX 19ATEX 0001X	190.0	9800
DKCFY-5632-8	1120	14338	746	96.2	0.86	79	5.57	0.77	2.24	CNEX 19ATEX 0001X	213.0	10300
DKCFY-5635-8	1250	16002	746	96.3	0.85	88	5.68	0.78	2.33	CNEX 19ATEX 0001X	235.0	10800

Technical parameters 10-pole, 10 kV

Type	P [kW]	M [Nm]	n [min-1]	η [%]	cosφ [-]	I [A]	Ia/In [-]	Ma/Mn [-]	Mk/Mn [-]	ATEX-Nr. [-]	J [kgm2]	m [kg]
DKCFY-4019-10	185	2969	595	93.2	0.76	15	5.15	0.80	2.55	CNEX 19ATEX 0001X	25.7	4000
DKCFY-4021-10	200	3210	595	93.4	0.76	16	5.10	0.78	2.51	CNEX 19ATEX 0001X	27.9	4100
DKCFY-4023-10	220	3531	595	93.7	0.76	18	5.04	0.77	2.47	CNEX 19ATEX 0001X	30.1	4300
DKCFY-4026-10	250	4013	595	93.9	0.77	20	5.06	0.76	2.47	CNEX 19ATEX 0001X	34.5	4500
DKCFY-4520-10	250	4013	595	93.9	0.78	20	4.84	0.77	2.26	CNEX 19ATEX 0001X	54.3	5200
DKCFY-4522-10	280	4494	595	94.1	0.79	22	4.71	0.74	2.18	CNEX 19ATEX 0001X	58.9	5400
DKCFY-4523-10	315	5056	595	94.3	0.79	24	4.62	0.73	2.13	CNEX 19ATEX 0001X	63.4	5500
DKCFY-4525-10	355	5698	595	94.5	0.79	27	4.58	0.72	2.11	CNEX 19ATEX 0001X	67.9	5700
DKCFY-4527-10	400	6420	595	94.6	0.79	31	4.65	0.74	2.13	CNEX 19ATEX 0001X	72.5	5800
DKCFY-5021-10	400	6420	595	94.4	0.77	32	5.81	0.95	2.88	CNEX 19ATEX 0001X	79.0	6400
DKCFY-5023-10	450	7223	595	94.7	0.78	35	5.57	0.88	2.74	CNEX 19ATEX 0001X	85.2	6600
DKCFY-5024-10	500	8025	595	94.9	0.78	39	5.53	0.88	2.72	CNEX 19ATEX 0001X	91.5	6800
DKCFY-5027-10	560	8988	595	95.1	0.78	43	5.39	0.84	2.64	CNEX 19ATEX 0001X	100.0	7100
DKCFY-5029-10	630	10112	595	95.2	0.78	49	5.42	0.85	2.65	CNEX 19ATEX 0001X	108.0	7400
DKCFY-5624-10	630	10095	596	95.4	0.84	46	5.22	0.71	2.31	CNEX 19ATEX 0001X	159.0	9100
DKCFY-5625-10	710	11377	596	95.5	0.84	51	5.20	0.71	2.29	CNEX 19ATEX 0001X	171.0	9300
DKCFY-5628-10	800	12819	596	95.7	0.84	58	5.14	0.70	2.25	CNEX 19ATEX 0001X	189.0	9700
DKCFY-5631-10	900	14421	596	95.8	0.84	65	5.22	0.72	2.28	CNEX 19ATEX 0001X	207.0	10100
DKCFY-5633-10	1000	16023	596	95.9	0.83	72	5.52	0.78	2.41	CNEX 19ATEX 0001X	224.0	10500

Technical parameters 12-pole, 10 kV

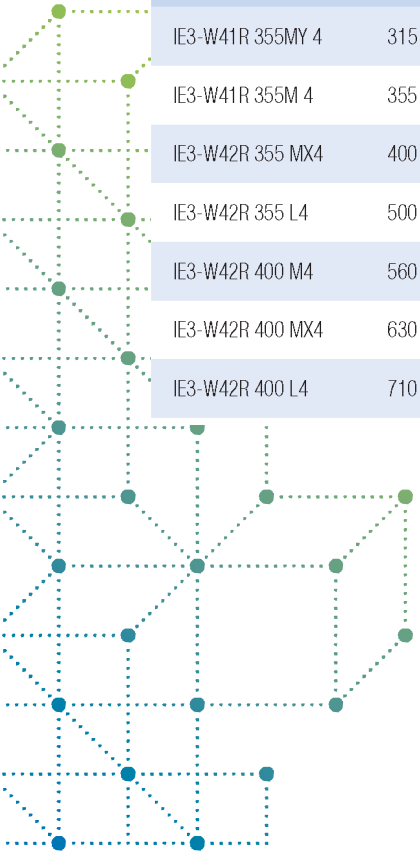
Type	P [kW]	M [Nm]	n [min-1]	η [%]	cosφ [-]	I [A]	Ia/In [-]	Ma/Mn [-]	Mk/Mn [-]	ATEX-Nr. [-]	J [kgm2]	m [kg]
DKCFY-4519-12	200	3859	495	93.1	0.74	17	5.13	0.81	2.68	CNEX 19ATEX 0001X	52.7	5100
DKCFY-4521-12	220	4244	495	93.4	0.74	18	5.10	0.80	2.65	CNEX 19ATEX 0001X	57.2	5300
DKCFY-4523-12	250	4823	495	93.6	0.74	21	5.01	0.78	2.59	CNEX 19ATEX 0001X	61.8	5400
DKCFY-4525-12	280	5402	495	93.8	0.75	23	4.99	0.77	2.56	CNEX 19ATEX 0001X	68.1	5600
DKCFY-4527-12	315	6077	495	93.9	0.74	26	5.05	0.79	2.60	CNEX 19ATEX 0001X	74.5	5900
DKCFY-5020-12	315	6077	495	94.4	0.75	26	4.81	0.78	2.38	CNEX 19ATEX 0001X	90.6	6300
DKCFY-5022-12	355	6835	496	94.5	0.75	29	4.83	0.78	2.38	CNEX 19ATEX 0001X	98.2	6500
DKCFY-5024-12	400	7702	496	94.7	0.75	32	4.85	0.78	2.38	CNEX 19ATEX 0001X	109.0	6800
DKCFY-5027-12	450	8664	496	94.8	0.75	37	4.91	0.80	2.42	CNEX 19ATEX 0001X	121.0	7200
DKCFY-5031-12	500	9627	496	95.0	0.75	41	5.09	0.83	2.51	CNEX 19ATEX 0001X	139.0	7600
DKCFY-5627-12	500	9608	497	95.0	0.74	41	5.73	0.85	2.79	CNEX 19ATEX 0001X	184.0	9500
DKCFY-5629-12	560	10761	497	95.1	0.75	46	5.58	0.81	2.70	CNEX 19ATEX 0001X	198.0	9800
DKCFY-5632-12	630	12106	497	95.3	0.76	51	5.42	0.78	2.59	CNEX 19ATEX 0001X	216.0	10200
DKCFY-5634-12	710	13643	497	95.4	0.75	57	5.42	0.78	2.58	CNEX 19ATEX 0001X	229.0	10600
DKCFY-5636-12	800	15372	497	95.6	0.77	63	5.04	0.71	2.36	CNEX 19ATEX 0001X	243.0	10900

Technical parameters 2-pole*, 400 V

Type	P [kW]	M [Nm]	n [min-1]	IE.- [-]	η 100%	η [75%]	η 50%	cosφ [-]	I [A]	Ia/In [-]	Ma/Mn [-]	Ms/Mn [-]	Mk/Mn	J	m
IE3-W41R 355 MY2G	315	1006	2990	IE3-	96	96	95.5	0.9	526	8.5	1.4	1	2.7	4.1	1900
IE3-W41R 355 M2G	355	1135	2985	IE3-	96	96	96	0.92	580	7.7	1.3	1	2.6	4.2	2000
IE3-W42R 355 MX2G	400	1278	2988	IE3-	96	96	96	0.92	654	8.5	1.8	1.1	2.5	5.5	2275
IE3-W42R 355 L2G	500	1596	2990	IE3-	96.2	96.2	96.2	0.9	834	11	2.2	1.4	3.2	7.1	2450
IE3-W42R 400 M2G	560	1785	2995	IE3-	96	96	95.5	0.83	1014	9	2.8	a. A.	3	8.44	3000
IE3-W42R 400 MX2G	630	2010	2993	IE3-	97	97	96.7	0.9	1042	8.8	2.5	1.5	2.7	9.41	3200
IE3-W42R 400 L2G	710	2271	2985	IE3-	96	96	95.5	0.9	1186	7.7	2.2	1.1	2.8	10.41	3400

Technical parameters 4-pole, 400 V

Type	P [kW]	M [Nm]	n [min-1]	IE.- [-]	η 100%	η [75%]	η 50%	cosφ [-]	I [A]	Ia/In [-]	Ma/Mn [-]	Ms/Mn [-]	Mk/Mn	J	m
IE3-W41R 355MY 4	315	2016	1492	IE3-	96	96	95.5	0.86	551	7	1	0.8	2.4	5.6	1950
IE3-W41R 355M 4	355	2270	1493	IE3-	96.2	96.2	95.5	0.87	612	8.1	1.3	1	2.7	7.9	2150
IE3-W42R 355 MX4	400	2563	1490	IE3-	96.2	96.2	96.2	0.84	714	8.2	1.7	1.4	2.4	9.5	2410
IE3-W42R 355 L4	500	3204	1490	IE3-	96.4	96.4	96	0.84	891	7.4	2.5	1.2	2.3	10	2500
IE3-W42R 400 M4	560	3579	1494	IE3-	96.5	96.3	96	0.87	963	10	2.1	a. A.	3.1	12.6	3060
IE3-W42R 400 MX4	630	4027	1494	IE3-	96.5	96.5	96.5	0.86	1096	10	3.1	a. A.	3.3	14.33	3100
IE3-W42R 400 L4	710	4541	1493	IE3-	96.5	96.5	96.5	0.86	1235	11	2	a. A.	3.6	16.29	3400



* 2-pole motors in sleeve bearing design may only be operated with a limited axial play coupling, even under no-load condition.

Technical parameters 6-pole, 400 V

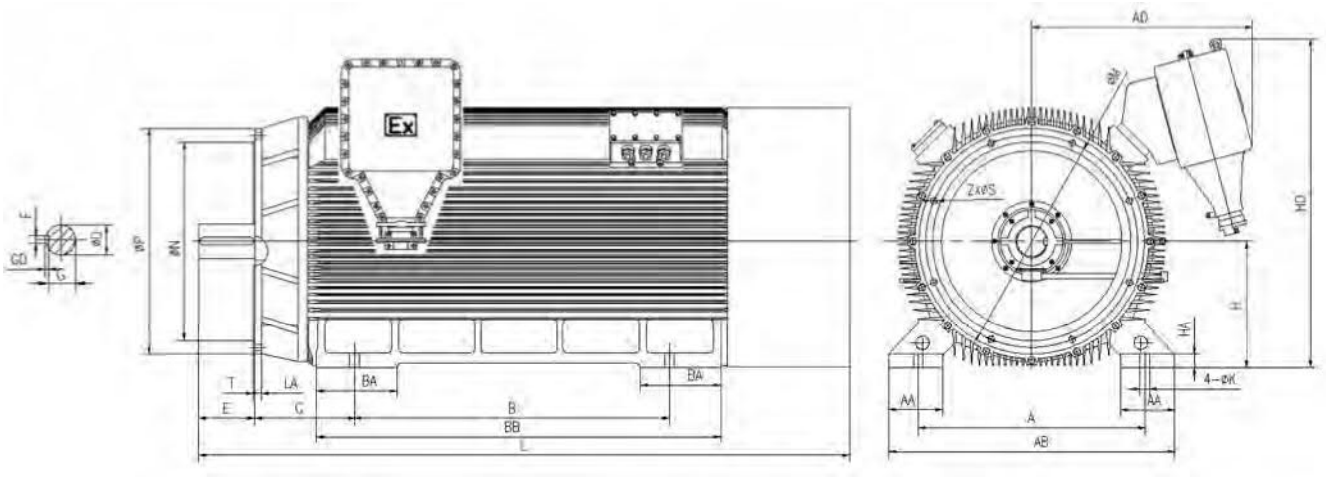
Type	P [kW]	M [Nm]	n [min-1]	IE.- [-]	η 100%	η [75%]	η 50%	cosφ [-]	I [A]	Ia/In [-]	Ma/Mn [-]	Ms/Mn [-]	Mk/Mn	J	m
IE3-W41R 355 MY6	132	1266	995	IE3-	95.5	95.5	94.5	0.83	240	9	2	1.6	3	8.2	1550
IE3-W41R 355 M6	160	1535	995	IE3-	95.6	95.6	95.2	0.86	281	7.5	1.6	1.3	2.4	8.2	1850
IE3-W42R 355 MX6	200	1919	995	IE3-	95.8	95.5	95	0.84	359	9.6	2.2	1.7	2.8	12.1	2350
IE3-W42R 355 LY6	250	2399	995	IE3-	95.8	95.5	95	0.82	459	8.8	1.8	1.5	2.5	14	2450
IE3-W42R 355 L6	315	3023	995	IE3-	95.8	96	95.7	0.84	565	7.8	2	1.5	2.2	14	2450
IE3-W42R 355 LX6	355	3407	995	IE3-	95.8	95.8	95.4	0.81	660	8.4	2.1	1.4	2.7	14	2450
IE3-W42R 355 LZ6	400	3843	994	IE3-	95.8	95.8	95.4	0.83	726	7.6	2.1	1.3	2.3	14	2450
IE3-W42R 400 MY6	355	3407	995	IE3-	96	96	95.8	0.83	643	7.5	1.2	1.2	2.1	16.54	3000
IE3-W42R 400 M6	400	3839	995	IE3-	96.2	96.2	96	0.83	723	8	1.5	1.3	2.5	16.54	3000
IE3-W42R 400 MX6	450	4319	995	IE3-	96.5	96.5	96.5	0.83	811	6.9	1.5	a. A.	2.2	18.44	3200
IE3-W42R 400 L6	500	4794	996	IE3-	96.3	96.3	96	0.84	892	7.5	1.7	a. A.	2.2	20.63	3320
IE3-W42R 400 LX6	560	5369	996	IE3-	96.4	96.4	96.4	0.82	1023	7.5	1.7	a. A.	2.2	20.63	3320

Technical parameters 8-pole, 400 V

Type	P [kW]	M [Nm]	n [min-1]	IE.- [-]	η 100%	η [75%]	η 50%	cosφ [-]	I [A]	Ia/In [-]	Ma/Mn [-]	Ms/Mn [-]	Mk/Mn	J	m
IE3-W41R 355 MY8	160	2051	745	IE3-	94.3	94.3	94	0.82	299	6.6	1.2	1	2.6	9.3	1700
IE3-W41R 355 M8	200	2563	745	IE3-	94.7	94.9	94.2	0.81	376	7	1	1	2.7	9.5	1890
IE3-W42R 355 MX8	250	3204	745	IE3-	94.6	94.4	93.5	0.68	561	5.2	1.4	1.3	2	13.4	2300
IE3-W42R 355 L8	315	4037	745	IE3-	95	95	95	0.73	656	5.7	2	1.5	2.2	15.8	2450
IE3-W42R 400 M8	355	4550	745	IE3-	95	95	95	0.74	729	6.5	1.5	1.3	1.8	17.94	2800
IE3-W42R 400 MX8	400	5127	745	IE3-	95.6	95.5	95	0.69	875	5.6	1.3	1	2	19.99	3170
IE3-W42R 400 L8	450	5768	745	IE3-	95	95	95	0.74	924	6	1.5	1.3	1.8	22.34	3320

Explosion-proof versions with 60 Hz are also available with 2 to 8 poles.

Dimensions IM B3

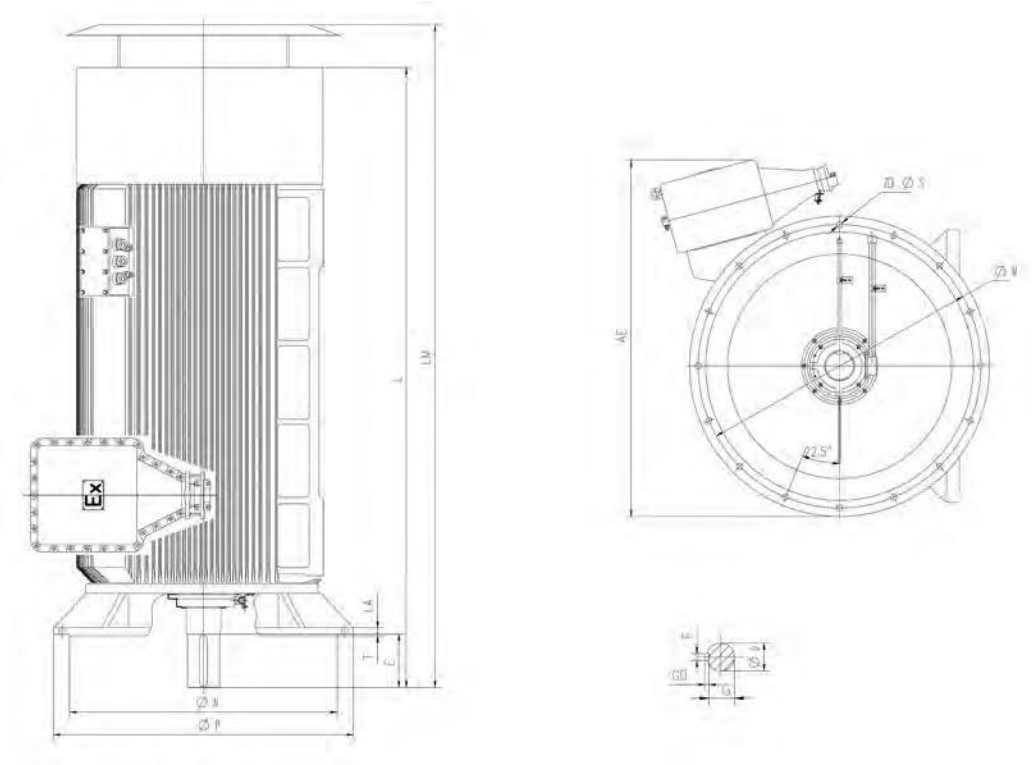


Frame size	Poles	A	B	C	D	E	F	G	H	K	M	N	P	T	S	Z	GD	AA	AB	AD	BA	BB	HA	HD	L	LA
355	2*	630	1000	254	70	140	20	62,5	355	28	600	550	660	6	24	8	12	150	840	800	250	1200	35	1050	1980	25
	4-8	(670)	1000	254	100	210	28	90	355	28	600	550	660	6	24	8	16	150	840	800	250	1200	35	1050	2100	25
400	2*	710	1120	280	85	170	22	76	400	35	640	580	700	6	28	8	14	160	900	835	300	1340	35	1150	2170	28
	4	(750)	1120	280	110	210	28	100	400	35	640	580	700	6	28	8	16	160	900	835	300	1340	35	1150	2230	28
	6-10		1120	280	110	210	28	100	400	35	640	580	700	6	28	8	16	160	900	835	300	1340	35	1150	2300	28
450	2*	800	1250	280	90	170	25	81	450	42	740	680	800	6	28	8	14	180	1030	870	320	1490	42	1250	2440	30
	4	(850)	1250	280	120	210	32	109	450	42	740	680	800	6	28	8	18	180	1030	870	320	1490	42	1350	2400	30
	6-12		1250	280	130	250	32	119	450	42	740	680	800	6	28	8	18	180	1030	870	320	1490	42	1350	2470	30
500	2*	900	1400	425	100	210	28	90	500	42	840	780	900	7	28	8	16	180	1150	910	300	1600	50	1350	2810	30
	4	(950)	1400	315	130	250	32	119	500	42	840	780	900	7	28	8	18	180	1150	910	300	1600	50	1350	2600	30
	6-12		1400	425	140	250	36	128	500	42	840	780	900	7	28	8	20	180	1150	910	300	1600	50	1350	2750	30
560	2*	1000	1400	530	120	210	32	109	560	42	940	880	1000	8	28	8	18	240	1270	1000	360	1800	60	1490	3200	30
	4	(1060)	1400	355	150	250	36	138	560	42	940	880	1000	8	28	8	20	240	1270	1000	360	1800	60	1490	2930	30
	6-12		1400	560	160	300	40	147	560	42	940	880	1000	8	28	8	22	240	1270	1000	360	1800	60	1490	3080	30

Dimensions in mm

* 2-pole motors in sleeve bearing design may only be operated with a limited axial play coupling, even under no-load condition.

Dimensions IM V1



Frame size	Poles	D	E	F	G	GD	M	N	P	S	T	Z	AE	L	LA	LM
355	2*	70	140	20	62.5	12	840	780	900	24	6	8	1245	2090	25	2240
	4-8	100	210	28	90	16	840	780	900	24	6	8	1245	2160	25	2310
400	2*	85	170	22	76	14	940	880	1000	28	6	8	1365	2170	28	2330
	4-10	110	210	28	100	14	940	880	1000	28	6	8	1365	2250	28	2410
450	4	120	210	32	109	18	1080	1000	1150	28	6	8	1475	2390	30	2550
	6-12	130	250	32	119	18	1080	1000	1150	28	6	8	1475	2430	30	2590
500	4	130	250	32	119	18	1180	1120	1250	28	7	16	1575	2700	30	2880
	6-12	140	250	36	128	20	1180	1120	1250	28	7	16	1575	2800	30	2980
560	4	150	250	36	138	20	1320	1250	1400	28	8	16	1665	2895	30	3095
	6-12	160	300	40	147	22	1320	1250	1400	28	8	16	1665	3000	30	3200

Dimensions in mm

ELECTRIC DRIVES

FOR EVERY DEMAND

VEM GmbH
Pirnaer Landstraße 176
01257 Dresden
Germany

VEM Sales
Low voltage department
Phone: +49 3943 68-3127
Fax: +49 3943 68-2440
E-mail: low-voltage@vem-group.com

High voltage department
Phone: +49 351 208-3237
Fax: +49 351 208-1108
E-mail: high-voltage@vem-group.com

www.vem-group.com