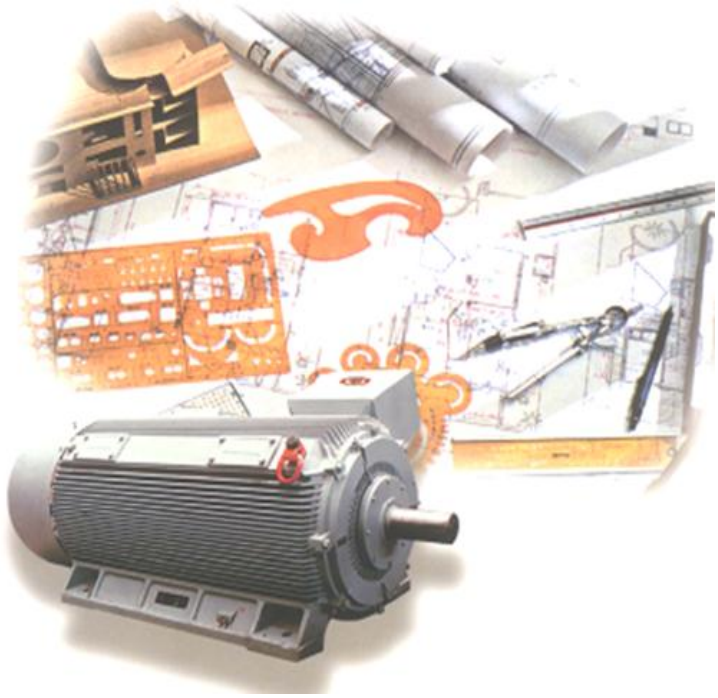
MEDIUM & HIGH VOLTAGE

HIGH EFFICIENCY – BIGGER POWER





GENERAL CHARACTERISTICS

The designing, manufacturing and testing of squirrel cage induction motors made by Felm® are according with IEC standard, Felm supply high quality cast iron motors with high performance and flexibility top meet the customer request they are widely used in various industries, mining, pumps, compressors, wind machineries, fans ect.

Compact Series Motors Technical details:

Efficiency level: High efficiency level	
Number of Poles: 2 up to 8	
Frequency: 50 Hz.	**(Optional: 60 Hz.)**
Voltage: 6 kV. – 10 kV.	**(Optional: other rated voltages 3-3.3-6.6-11 kV.)**
Frames: 315 up to 560	
Cast iron frame	
Cooling system: IC411	**(Options: IC416 Inverter use rated 1:10)**
Die cast Aluminum Rotor	
Color: RAL 5010 (Blue)	**(Options: Others type of colour)**
VPI Insulation System	
Insulation class F (class B temperature rise)	**(Options: Class H)**
PT100 in the windings and bearings	
Degree of protection: IP55	**(Options: IP56 - IP65)**
Mounting: B3	**(Options: B35 - V1)**
Painting plan:	**(Options: Marine - Chemical - Munsell)**
Internal epoxy coating (tropicalized)	
Sintered drain plug	
Terminal block on side (right view from the shaft)	
Shaft Material: C45	
Double grounding (1 inside terminal box + 2 on the frame)	
Grease Caltex SRI-2 or SKF LGHP2	**(Different types recommended by Felm)**
Regreasing system for frames 315 up to 560	

Options:

PT100 in the winding connected in separate auxiliary terminal box
PT100 on the bearings connected in separate auxiliary terminal box
Space Heaters connected in separate auxiliary terminal box
Predisposition and All type of Encoder
Special shaft materials
DC or AC Brake

Technical data kV. 6 2 pole – 4 pole

Motor Type		Rated Power		Rated Speed	Efficiency	Power Factor	Current		Torque			Moment of inertia (J)	Weight Approx
							Full Load 6kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	(HP)	RPM	%	%	A	%FLC	kg-m	%FLT	%FLT	kg-m^2	Kg
FHV	355 1-2	185	250	2980	93,5	84,0	22,7	700	60	70	200	2.6	1900
FHV	355 2-2	200	270	2980	94,0	84,0	24,4	700	65	70	200	2.8	2000
FHV	355 3-2	220	295	2980	94,2	84,0	26,8	700	72	70	200	3.0	2100
FHV	355 3-2	250	335	2980	94,4	84,0	30,3	700	82	70	200	3.3	2200
FHV	355 5-2	280	375	2980	94,6	86,0	33,1	700	92	70	200	3.5	2350
FHV	400 1-2	315	420	2980	94,8	86,0	37,2	700	103	70	200	5.0	2900
FHV	400 2-2	355	475	2980	94,9	86,0	41,9	700	116	70	200	5.5	3000
FHV	400 3-2	400	535	2980	95,1	86,0	47,1	700	131	70	200	6.0	3100
FHV	400 4-2	450	605	2980	95,2	86,0	52,9	700	147	70	200	7.0	3200
FHV	450 1-2	500	670	2982	95,3	87,0	58,0	700	163	70	200	11	3500
FHV	450 2-2	560	750	2982	95,4	87,0	64,9	700	183	70	200	12	3600
FHV	450 3-2	630	845	2982	95,5	87,0	73,0	700	206	70	200	13	3700
FHV	450 4-2	710	950	2982	95,6	87,0	82,1	700	232	70	200	14	3850
FHV	500 1-2	800	1070	2982	95,7	88,0	91,4	700	261	70	200	17	5780
FHV	500 2-2	900	1205	2982	95,8	88,0	102,7	700	294	70	200	19	6050
FHV	500 3-2	1000	1340	2982	95,9	88,0	114,0	700	327	70	200	21	6320
FHV	500 4-2	1120	1500	2982	96,0	88,0	127,6	700	366	70	200	23	6600
FHV	355 1-4	185	250	1485	93,1	84,0	22,8	650	121	80	200	6,0	1900
FHV	355 2-4	200	270	1485	93,9	84,0	24,4	650	131	80	200	7.0	2000
FHV	355 3-4	220	295	1485	94,1	84,0	26,8	650	144	80	200	8.0	2100
FHV	355 4-4	250	335	1485	94,3	84,0	30,4	650	164	80	200	9.0	2200
FHV	355 5-4	280	375	1485	94,5	84,0	33,9	650	184	80	200	10	2300
FHV	400 1-4	315	420	1485	94,6	85,0	37,7	650	207	80	200	11	3000
FHV	400 2-4	355	475	1485	94,8	85,0	42,4	650	233	80	200	12	3100
FHV	400 3-4	400	535	1485	95,0	85,0	47,7	650	262	80	200	13	3200
FHV	400 4-4	450	605	1485	95,2	85,0	53,5	650	295	80	200	14	3300
FHV	450 1-4	500	670	1485	95,3	86,0	58,7	650	328	80	200	22	3600
FHV	450 2-4	560	750	1485	95,4	86,0	65,7	650	367	80	200	24	3700
FHV	450 3-4	630	845	1485	95,5	86,0	73,8	650	413	80	200	26	3800
FHV	450 4-4	710	950	1485	95,6	86,0	83,1	650	466	80	200	28	3950
FHV	500 1-4	800	1070	1488	95,7	86,0	93,5	650	524	80	200	41	5820
FHV	500 2-4	900	1210	1488	95,8	86,0	105,1	650	589	80	200	44	6100
FHV	500 3-4	1000	1340	1488	95,9	86,0	116,7	650	655	80	200	47	6280
FHV	500 4-4	1120	1500	1488	96,0	86,0	130,5	650	733	80	200	50	6420
FHV	560 1-4	1250	1680	1488	96,1	87,0	143,9	650	819	70	200	70	8020
FHV	560 2-4	1400	1880	1488	96,2	87,0	161,0	650	917	70	200	74	8390
FHV	560 3-4	1600	2140	1488	96,4	87,0	183,6	650	1048	70	200	78	8750
FHV	560 4-4	1800	2410	1488	96,5	87,0	206,3	650	1179	70	200	82	9100

Different power, frame and pole on request.

Technical data kV. 6 6 pole – 8 pole

Motor Type		Rated Power		Rated Speed	Efficiency	Power Factor	Current		Torque			Moment of inertia (J)	Weight Approx
							Full Load 6kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	(HP)	RPM	%	%	A	%FLC	kg-m	%FLT	%FLT	kg-m²	Kg
FHV	400 2-6	250	335	988	93,9	82,0	31,2	600	247	80	200	16	3000
FHV	400 3-6	280	375	988	94,1	82,0	34,9	600	276	80	200	18	3200
FHV	400 4-6	315	420	988	94,3	82,0	39,2	600	311	80	200	20	3400
FHV	450 1-6	355	475	988	94,5	83,0	43,6	600	350	80	200	28	3500
FHV	450 2-6	400	535	988	94,6	83,0	49,0	600	395	80	200	30	3600
FHV	450 3-6	450	605	988	94,7	83,0	55,1	600	444	80	200	32	3700
FHV	450 4-6	500	670	988	94,9	83,0	61,1	600	493	80	200	34	3820
FHV	500 1-6	560	750	990	95,1	83,0	68,3	600	551	80	200	54	5610
FHV	500 2-6	630	845	990	95,2	83,0	76,7	600	620	80	200	58	5790
FHV	500 3-6	710	950	990	95,3	83,0	86,4	600	699	80	200	62	6010
FHV	500 4-6	800	1070	990	95,4	83,0	97,2	600	787	80	200	66	6230
FHV	560 1-6	900	1210	990	95,6	84,0	107,8	600	886	70	200	94	7650
FHV	560 2-6	1000	1340	990	95,7	84,0	119,7	600	984	70	200	102	7950
FHV	560 3-6	1120	1500	990	95,8	84,0	133,9	600	1102	70	200	110	8250
FHV	560 4-6	1250	1680	990	95,9	84,0	149,3	600	1230	70	200	118	8550
FHV	400 1-8	160	215	738	93,2	76,0	21,7	550	211	80	200	15	3000
FHV	400 2-8	185	250	738	93,3	76,0	25,1	550	244	80	200	16	3100
FHV	400 3-8	200	270	738	93,5	77,0	26,7	550	264	80	200	18	3200
FHV	400 4-8	220	295	738	93,7	77,0	29,3	550	290	80	200	20	3300
FHV	450 1-8	250	335	740	93,9	78,0	32,8	550	329	80	200	28	3500
FHV	450 2-8	280	375	740	94,1	78,0	36,7	550	369	80	200	30	3600
FHV	450 3-8	315	420	740	94,2	78,0	41,3	550	415	80	200	32	3700
FHV	450 4-8	355	475	740	94,4	78,0	46,4	550	467	80	200	34	3820
FHV	500 1-8	400	535	742	94,5	79,0	51,6	550	525	80	200	54	5250
FHV	500 2-8	450	605	742	94,6	79,0	57,9	550	591	80	200	58	5490
FHV	500 3-8	500	670	742	94,8	80,0	63,4	550	657	80	200	62	5750
FHV	500 4-8	560	750	742	94,9	80,0	71,0	550	735	80	200	66	6020
FHV	560 1-8	630	845	745	95,1	81,0	78,7	550	824	70	200	96	7000
FHV	560 2-8	710	950	745	95,3	81,0	88,5	550	929	70	200	105	7350
FHV	560 3-8	800	1070	745	95,4	81,0	99,6	550	1046	70	200	110	7700
FHV	560 4-8	900	1210	745	95,6	81,0	111,8	550	1177	70	200	116	8100

Different power, frame and pole on request.

Technical data kV. 10 2 pole – 4 pole

Motor Type		Rated Power		Rated Speed	Efficiency	Power Factor	Current		Torque			Moment of inertia (J)	Approx WT	Noise level (Approx)
							Full Load 10kV	Locked Rotor	Full Load	Locked Rotor	Pull Out			
		kW	(HP)	RPM	%	%	A	%FLC	kg-m	%FLT	%FLT	kg-m^2	Kg	dB(A)
FHV	400 1-2	220	295	2980	93,2	84	16,2	700	72	70	200	5.0	2900	84
FHV	400 2-2	250	335	2980	93,3	84	18,4	700	82	70	200	5.5	3000	86
FHV	400 3-2	280	375	2980	93,5	85	20,3	700	92	70	200	6.0	3100	86
FHV	400 4-2	315	420	2980	93,8	85	22,8	700	103	70	200	7.0	3200	86
FHV	450 1-2	355	475	2982	94,3	86	25,3	700	116	70	200	11	3500	86
FHV	450 2-2	400	535	2982	94,4	86	28,4	700	131	70	200	12	3600	86
FHV	450 3-2	450	605	2982	94,5	86	32,0	700	147	70	200	13	3700	86
FHV	450 4-2	500	670	2982	94,8	86	35,4	700	163	70	200	14	3850	86
FHV	500 1-2	560	750	2985	95,0	87	39,1	700	183	70	200	15	5500	86
FHV	500 2-2	630	845	2985	95,2	87	43,9	700	206	70	200	17	5780	88
FHV	500 3-2	710	950	2985	95,3	87	49,4	700	232	70	200	19	6050	88
FHV	500 4-2	800	1070	2985	95,5	88	55,0	700	261	70	200	21	6320	88
FHV	500 5-2	900	1210	2985	95,8	88	61,6	700	294	70	200	23	6600	89
FHV	400 1-4	220	295	1482	93,5	84	16,2	650	145	80	200	11	3000	83
FHV	400 2-4	250	335	1482	93,8	84	18,3	650	164	80	200	12	3100	85
FHV	400 3-4	280	375	1482	94,0	84	20,5	650	184	80	200	13	3200	85
FHV	400 4-4	315	420	1482	94,2	84	23,0	650	207	80	200	14	3300	85
FHV	450 1-4	355	475	1485	94,5	85	25,5	650	233	80	200	20	3500	85
FHV	450 2-4	400	535	1485	94,8	85	28,7	650	262	80	200	22	3600	85
FHV	450 3-4	450	605	1485	95,0	85	32,2	650	295	80	200	24	3700	85
FHV	450 4-4	500	670	1485	95,2	86	35,3	650	328	80	200	26	3800	85
FHV	450 5-4	560	750	1485	95,3	86	39,5	650	367	80	200	28	3950	85
FHV	500 1-4	630	845	1488	95,4	86	44,3	650	413	80	200	41	5820	87
FHV	500 2-4	710	950	1488	95,5	86	49,9	650	465	80	200	44	6100	87
FHV	500 3-4	800	1070	1488	95,6	87	55,5	650	524	80	200	47	6280	87
FHV	500 4-4	900	1210	1488	95,7	87	62,4	650	589	80	200	50	6420	87
FHV	560 1-4	1000	1340	1488	95,8	86	70,1	650	655	70	200	70	8020	88
FHV	560 2-4	1120	1500	1488	95,9	86	78,4	650	733	70	200	74	8390	88
FHV	560 3-4	1250	1680	1488	96,0	87	86,4	650	819	70	200	78	8750	89
FHV	560 4-4	1400	1880	1488	96,1	87	96,7	650	917	70	200	82	9100	89

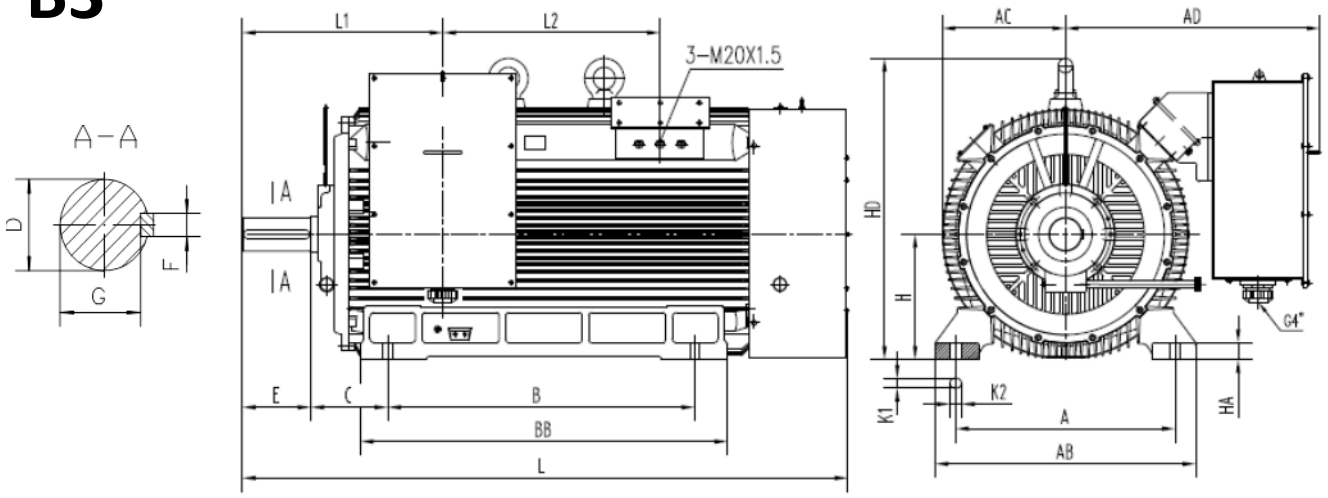
Technical data kV. 10 6 pole – 8 pole

Motor Type		Rated Power		Rated Speed	Efficiency	Power Factor	Current		Torque			Moment of inertia (J)	Approx WT	Noise level (Approx)
							Full Load 10kV	Locked Rotor	Full Load	Locked Rotor	Pull Out			
		kW	(HP)	RPM	%	%	A	%FLC	kg-m	%FLT	%FLT	kg-m^2	Kg	dB(A)
FHV	450 5-6	355	475	985	94,3	82	26,5	600	351	80	200	34	3820	81
FHV	500 1-6	400	535	985	94,4	83	29,5	600	396	80	200	50	5450	81
FHV	500 2-6	450	605	988	94,6	83	33,1	600	444	80	200	54	5610	81
FHV	500 3-6	500	670	988	94,8	83	36,7	600	493	80	200	58	5790	81
FHV	500 4-6	560	750	990	95,0	83	41,0	600	551	80	200	62	6010	81
FHV	500 5-6	630	845	990	95,1	83	46,1	600	620	80	200	66	6230	83
FHV	560 1-6	710	950	992	95,3	83	51,8	600	697	70	200	87	7400	83
FHV	560 2-6	800	1070	992	95,4	83	58,3	600	786	70	200	94	7650	83
FHV	560 3-6	900	1210	992	95,5	84	64,8	600	884	70	200	102	7950	83
FHV	560 4-6	1000	1340	992	95,6	84	71,9	600	982	70	200	110	8250	83
FHV	560 5-6	1120	1500	992	95,7	84	80,4	600	1100	70	200	118	8550	83
FHV	450 1-8	220	295	740	93,6	78	17,4	550	290	80	200	30	3600	75
FHV	450 2-8	250	335	740	93,8	78	19,7	550	329	80	200	32	3700	77
FHV	450 3-8	280	375	740	94,0	78	22,0	550	369	80	200	34	3820	77
FHV	500 1-8	315	420	742	94,2	78	24,8	550	414	80	200	54	5250	77
FHV	500 2-8	355	475	742	94,4	78	27,8	550	466	80	200	58	5490	77
FHV	500 3-8	400	535	742	94,5	79	30,9	550	525	80	200	62	5750	77
FHV	500 4-8	450	605	742	94,6	79	34,8	550	591	80	200	66	6020	77
FHV	560 1-8	500	670	745	94,7	80	38,1	550	654	70	200	88	6650	77
FHV	560 2-8	560	750	745	94,8	80	42,6	550	733	70	200	96	7000	81
FHV	560 3-8	630	845	745	95,0	81	47,3	550	824	70	200	105	7350	81
FHV	560 4-8	710	950	745	95,2	81	53,2	550	929	70	200	110	7700	81
FHV	560 5-8	800	1070	745	95,3	81	59,8	550	1046	70	200	116	8100	81

Different power, frame and pole on request.

DIMENSIONS

B3



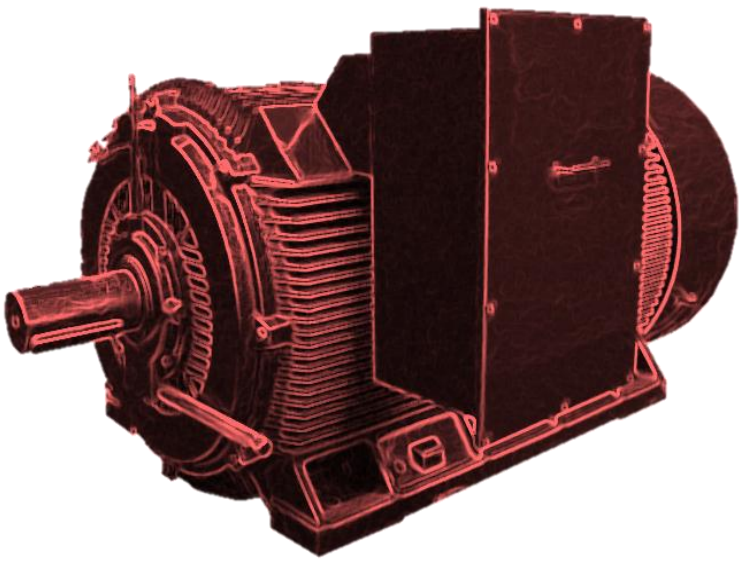
Frame	Pole	MOUNTING								
		A	B	C	D	E	F	G	H	K
315	2	560±1.4	800±1.4	216±4	65 +0.03 +0.01	140±0.5	18 0 -0.043	58 0 -0.2	315 0 -1	28 +0.5 0
315	4	560±1.4	800±1.4	216±4	80 +0.03 +0.01	170±0.5	22 0 -0.052	71 0 -0.2	315 0 -1	28 +0.5 0
355	2	630±1.4	900±1.4	254±4	75 +0.03 +0.01	140±0.5	20 0 -0.052	67,5 0 -0.2	355 0 -1	28 +0.5 0
355	4～6	630±1.4	900±1.4	254±4	100 +0.03 +0.01	210±0.57	28 0 -0.052	90 0 -0.2	355 0 -1	28 +0.5 0
400	2	710±1.75	1000±1.75	280±4	85 +0.03 +0.01	170±0.5	22 0 -0.052	76 0 -0.2	400 0 -1	35 +0.6 0
400	4～8	710±1.75	1000±1.75	280±4	110 +0.03 +0.01	210±0.57	28 0 -0.052	100 0 -0.2	400 0 -1	35 +0.6 0
450	2	800±1.75	1120±1.75	280±4	95 +0.03 +0.01	170±0.5	25 0 -0.052	86 0 -0.2	450 0 -1	35 +0.6 0
450	4	800±1.75	1120±1.75	280±4	120 +0.03 +0.01	210±0.57	32 0 -0.062	109 0 -0.2	450 0 -1	35 +0.6 0
450	6～8	800±1.75	1120±1.75	280±4	130 +0.04 +0.01	250±0.57	32 0 -0.062	119 0 -0.2	450 0 -1	35 +0.6 0
500	4	900±2.1	1250±2.1	315±4	130 +0.04 +0.01	250±0.57	32 0 -0.062	119 0 -0.2	500 0 -1	42 +0.6 0
500	6～8	900±2.1	1250±2.1	315±4	140 +0.04 +0.01	250±0.57	36 0 -0.062	128 0 -0.3	500 0 -1	42 +0.6 0
560	4	1000±2.1	1400±2.1	355±4	150 +0.04 +0.01	250±0.57	36 0 -0.062	138 0 -0.3	560 0 -1	42 +0.6 0
560	6～8	1000±2.1	1400±2.1	355±4	160 +0.04 +0.01	300±0.65	40 0 -0.062	147 0 -0.3	560 0 -1	42 +0.6 0

Frame	Pole	OUTLINE								
		AC	AD	AB	BB	HA	HD	L1	L2	L
315	2	350	760	680	1080	45	785	482	797	1740
315	4	350	760	680	1080	45	785	512	797	1770
355	2	400	785	760	1140	50	995	491	841	1800
355	4~6	400	785	760	1140	50	995	561	841	1870
400	2	445	920	870	1200	50	980	662	700	2000
400	4~8	445	920	870	1200	50	980	702	700	2040
450	2	500	950	980	1495	50	1140	670	921	2360
450	4	500	950	980	1495	50	1140	710	921	2400
450	6~8	500	950	980	1495	50	1140	750	921	2440
500	4~8	550	1010	1080	1600	65	1220	786	980	2530
560	4	610	1030	1170	1680	76	1480	812	970	2650
560	6~8	610	1030	1170	1680	76	1480	862	970	2700

frame 500, 560 2 pole and V1, B3/B5 drawings on demand.

Bearings (IMB3)

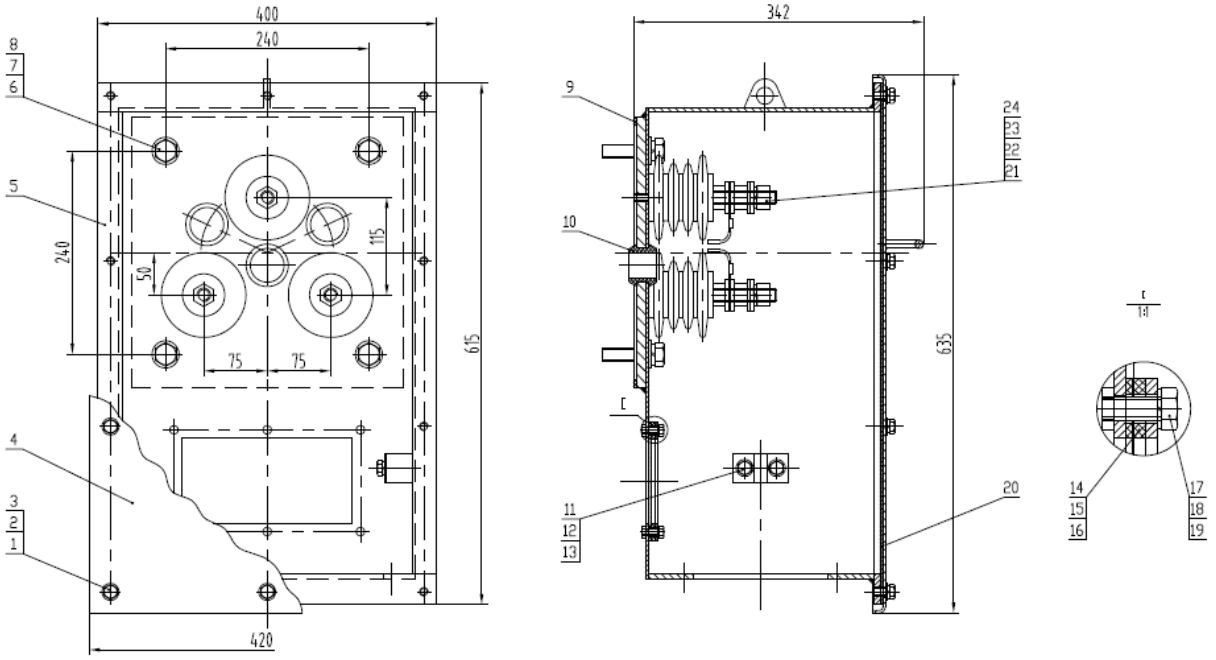
F2-HV (6 kV)			F2-HV (10 kV)		
315-2	6317C3	6317C3			
315-4.6.8	6319C3	6319C3			
355-2	6318C3	6318C3			
355-4.6.8	6322C3	6322C3			
400-2	6220C3	6220C3	400-2	6220C3	6220C3
400-4.6.8	6326C3	6326C3	400-4	6326C3	6326C3
450-2	6221C3	6221C3	450-2	6221C3	6221C3
450-4.6.8	6328C3	6328C3	450-4.6.8	6328C3	6328C3
500-2	on demand	on demand	500-2	on demand	on demand
500-4	6328C3	6328C3	500-4.6.8	6328C3	6328C3
500-6.8	6330C3	6330C3			
560-2	on demand	on demand	560-2	on demand	on demand
560-4.6.8	6334C3	6330C3	560-4.6.8	6334C3	6330C3



Tutti i dati (tecnici, dimensionali, ecc.) riportati nelle tabelle sono indicativi e non impegnativi. I valori garantiti vengono rilasciati su richiesta. Con l'obiettivo di un continuo sviluppo del Prodotto Motore Elettrico, FELM srl si riserva il diritto di modificare il progetto, le caratteristiche tecniche e dimensionali in qualsiasi momento senza preavviso.

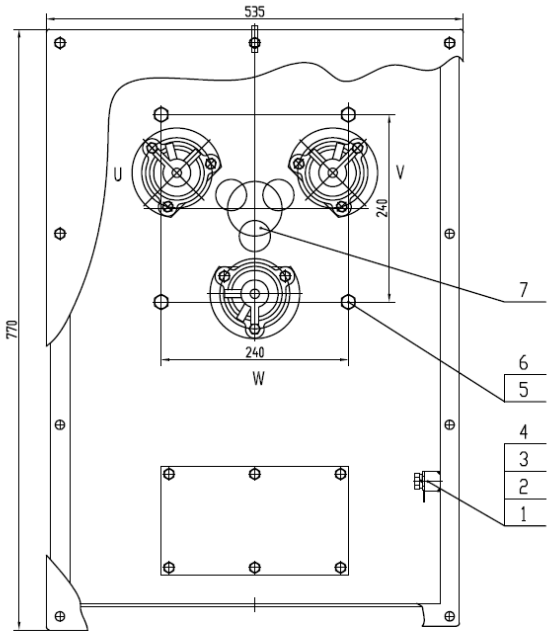
All data (technical, dimensions, etc..) listed in the tables are indicative and not binding. The guaranteed values are upon request. Felm srl reserves the right to change the project, the technical characteristics and dimensions at any time without previous notice.

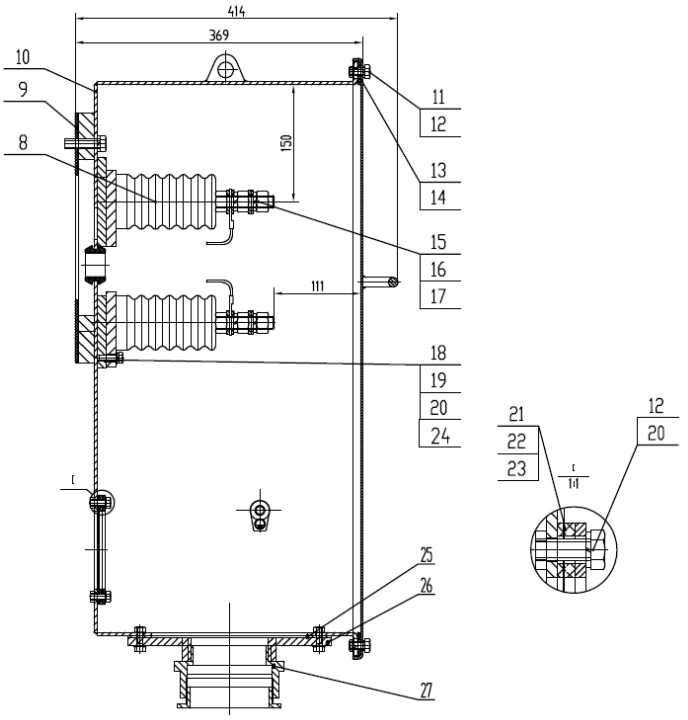
Terminal box kV. 6



No.	Name	Type	No.	Name	Type	No.	Name	Type
1	Grouding		11	Bolt	M10x20	21	Sealing gasket	
2	Gasket 12		12	Gasket 10		22	Cover plate	
3	Gasket 12		13	Rubber gasket		23	Pressing plate	
4	Bolt	M12x25	14	Cover plat		24	Rubber gasket	
5	Bolt	M16x55	15	Gasket 16		25	Sealing gasket	
6	Gasket 16		16	Gasket 16		26	Outlet cover plate	
7	Outlet line protection sleeve		17	Nut 16		27	Barrel	G4"
8	Post isulator		18	Gasket 8				
9	Sealinfg gasket		19	Gasket 8				
10	Terminal box base		20	Bolt	M8x25			

Terminal box kV. 10





No.	Name	Type	No.	Name	Type	No.	Name	Type
1	Grouding		11	Bolt	M10x20	21	Sealing gasket	
2	Gasket 12		12	Gasket 10		22	Cover plate	
3	Gasket 12		13	Rubber gasket		23	Pressing plate	
4	Bolt	M12x25	14	Cover plat		24	Rubber gasket	
5	Bolt	M16x55	15	Gasket 16		25	Sealing gasket	
6	Gasket 16		16	Gasket 16		26	Outlet cover plate	
7	Outlet line protection sleeve		17	Nut 16		27	Barrel	G4"
8	Post isulator		18	Gasket 8				
9	Sealinfg gasket		19	Gasket 8				
10	Terminal box base		20	Bolt	M8x25			

Note:

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(Russian Market)

FELM

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LARGE MOTORS kV 6-6.6-10-11

HIGH VOLTAGE – HIGH EFFICIENCY & POWER





GENERAL CHARACTERISTICS

The design, manufacturing and testing of squirrel cage induction motors made by Felm® are in accordance to IEC standard, Felm supply high quality steel frame motors with high performance and flexibility to meet customer request. The motors are widely used in various industries like: mining, pumps, compressors, wind machineries, fans ect.

Compact Series Motor Technical details:

Efficiency level: Premium IE3 Motors < 220 kW > 2500 kW High efficiency level	
Number of Poles: 2 up to 12	
Frequency: 50 Hz.	**(Optional: 60 Hz.)**
Voltage: 6-6.6-11 kV	**(Optional: other rated voltages)**
Frames: 355 up to 630	
Steel welded frame	
Cooling system: IC611	**(Options IC 616: Inverter use rated 1:10)**
Copper bar Rotor	
Shaft sealing: O´Ring	
VPI Insulation System	
Insulation class F (class B temperature rise)	**(Options: Class H)**
Formed winding	
Degree of protection: IP55	**(Options: IP56 - IP65)**
Mounting: B3	**(Options: V1)**
Painting procedure:	**According to ISO 12944 S**
Final color: RAL 5010	
Internal epoxy coating (tropicalized)	
Sintered drain plug	
Terminal box on side:	**Left or Right**
Shaft Material: C45	
Double grounding (1 inside terminal box + 2 on the frame)	
Grease Caltex SRI-2 or SKF LGHP2	**(Different types recommended by Felm)**
Regreasing system	

Options:
Space Heaters
PT100 windings and bearings
Transmitters
CT's Transformer
Surge Arrestor & Capacitor & Suppressor
Vibration probes
Junction box
Predisposition and All type of Encoder
Special shaft materials
DC or AC Brake

kV 6 - 6.6 Technical data 2 pole – 4 pole

Motor Type	Rated Power		Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx WT
						Full Load 6kV	Full Load 6.6kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
	kW	(HP)	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m^2	kg
FAA3-355F1-02P	220	295	2975	91,7	85	27,2	24,7	700	72	60	180	3,8	2190
FAA3-355F2-02P	250	335	2975	91,8	85	30,8	28,0	700	82	60	180	3,8	2250
FAA3-355F3-02P	280	375	2975	92,0	85	34,5	31,3	700	92	60	180	4,1	2320
FAA3-355F4-02P	315	420	2975	92,4	85	38,6	35,1	700	103	60	180	4,4	2460
FAA3-400F1-02P	355	475	2980	92,7	86	42,9	39,0	700	116	60	180	8,2	2800
FAA3-400F2-02P	400	535	2980	93,0	86	48,1	43,8	700	131	60	180	8,9	2900
FAA3-400F3-02P	450	605	2980	93,3	86	54,0	49,1	700	147	60	180	9,5	2990
FAA3-400F4-02P	500	670	2980	93,6	86	59,8	54,3	700	164	60	180	9,5	2990
FAA3-400F5-02P	560	750	2980	93,8	86	66,8	60,7	700	183	60	180	10,1	3110
FAA3-450F1-02P	630	845	2980	94,0	87	74,1	67,4	700	206	60	180	10,4	3340
FAA3-450F2-02P	710	950	2980	94,1	87	83,5	75,9	700	232	60	180	11,4	3500
FAA3-450F3-02P	800	1070	2980	94,3	87	93,8	85,3	700	262	60	180	11,4	3500
FAA3-450F4-02P	900	1210	2980	94,5	87	105,3	95,8	700	294	60	180	12,5	3690
FAA3-500F1-02P	1000	1340	2980	94,6	87	116,9	106,3	700	327	60	180	17,6	4520
FAA3-500F2-02P	1120	1500	2980	94,7	87	130,8	118,9	700	366	60	180	19,0	4690
FAA3-500F3-02P	1250	1680	2980	94,9	87	145,7	132,4	700	409	60	180	20,4	4850
FAA3-500F4-02P	1400	1880	2980	95,0	88	161,1	146,5	700	458	60	180	22,3	5060
FAA3-560F1-02P	1600	2140	2980	95,1	88	184,0	167,2	700	523	60	180	37,9	6470
FAA3-560F2-02P	1800	2410	2980	95,2	88	206,8	188,0	700	589	60	180	40,0	6680
FAA3-560F3-02P	2000	2680	2982	95,4	88	229,2	208,4	700	654	60	180	42,1	6880
FAA3-630F1-02P	2240	3000	2982	96,3	88	254,4	231,2	700	732	60	180	67,0	9040
FAA3-630F2-02P	2500	3350	2982	95,5	88	286,3	260,2	700	817	60	180	72,0	9380
FAA3-630F3-02P	2800	3750	2982	95,6	88	320,3	291,2	700	915	60	180	77,0	9720
FAA3-630F4-02P	3150	4220	2982	95,7	88	359,9	327,2	700	1029	60	180	83,0	10190

FAA3-355F1-04P	185	250	1485	91,9	85	22,8	20,7	650	121	70	180	6,4	2290
FAA3-355F2-04P	200	270	1480	92,1	85	24,6	22,3	650	132	70	180	6,4	2290
FAA3-355F3-04P	220	295	1480	92,2	85	27,0	24,6	650	145	70	180	6,9	2370
FAA3-355F4-04P	250	335	1480	92,3	85	30,7	27,9	650	165	70	180	7,5	2450
FAA3-355F5-04P	280	375	1480	92,4	86	33,9	30,8	650	184	70	180	7,5	2450
FAA3-355F6-04P	315	420	1485	92,6	86	38,1	34,6	650	207	70	180	8,0	2530
FAA3-400F1-04P	355	475	1485	92,8	86	42,8	38,9	650	233	70	180	16,2	2800
FAA3-400F2-04P	400	535	1485	93,0	86	48,1	43,8	650	262	70	180	17,6	2930
FAA3-400F3-04P	450	605	1485	93,2	86	54,0	49,1	650	295	70	180	18,9	3020
FAA3-400F4-04P	500	670	1485	93,4	86	59,9	54,5	650	328	70	180	20,2	3120
FAA3-400F5-04P	560	750	1485	93,6	86	66,9	60,9	650	367	70	180	21,6	3250
FAA3-450F1-04P	630	845	1485	93,8	86	75,2	68,3	650	413	70	180	23,6	3580
FAA3-450F2-04P	710	950	1485	94,0	86	84,5	76,8	650	466	70	180	26,0	3770
FAA3-450F3-04P	800	1070	1485	94,3	87	93,8	85,3	650	525	70	180	28,0	3930
FAA3-450F4-04P	900	1210	1485	94,4	87	105,5	95,9	650	591	70	180	30,4	4120
FAA3-500F1-04P	1000	1340	1485	94,5	87	117,0	106,4	650	656	70	180	56,9	5170
FAA3-500F2-04P	1120	1500	1485	94,6	87	131,0	119,0	650	735	70	180	62,1	5400
FAA3-500F3-04P	1250	1680	1485	94,8	88	144,2	131,1	650	820	70	180	66,7	5640
FAA3-500F4-04P	1400	1880	1485	94,9	88	161,3	146,7	650	919	70	180	71,3	5880
FAA3-560F1-04P	1600	2140	1485	95,0	88	184,2	167,4	650	1050	60	180	97,0	6800
FAA3-560F2-04P	1800	2410	1485	95,1	88	207,0	188,2	650	1181	60	180	102,0	7000
FAA3-560F3-04P	2000	2680	1485	95,3	88	229,5	208,6	650	1312	60	180	107,0	7210
FAA3-630F1-04P	2240	3000	1485	95,4	88	256,8	233,4	650	1470	60	180	139,0	9010
FAA3-630F2-04P	2500	3350	1485	95,5	88	286,3	260,2	650	1641	60	180	155,0	9580
FAA3-630F3-04P	2800	3750	1485	95,6	88	320,3	291,2	650	1837	60	180	169,0	10020
FAA3-630F4-04P	3150	4220	1485	95,8	88	359,6	326,9	650	2067	60	180	177,0	10270

kV 6 - 6.6 Technical data 6 pole – 8 pole

Motor Type	Rated Power		Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx WT
						Full Load 6kV	Full Load 6.6kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
	kW	(HP)	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m^2	kg
FAA3-355F1-06P	185	250	985	91,5	82	23,7	21,6	600	183	70	180	9,4	2360
FAA3-355F2-06P	200	270	985	91,8	82	25,6	23,2	600	198	70	180	10,3	2440
FAA3-355F3-06P	220	295	990	92,0	82	28,1	25,5	600	217	70	180	11,2	2520
FAA3-355F4-06P	250	335	990	92,2	82	31,8	28,9	600	246	70	180	12,1	2600
FAA3-400F1-06P	280	375	990	92,5	82	35,5	32,3	600	276	70	180	22,4	2910
FAA3-400F2-06P	315	420	990	92,8	82	39,8	36,2	600	310	70	180	22,4	2910
FAA3-400F3-06P	355	475	985	93,0	83	44,3	40,2	600	351	70	180	24,2	3000
FAA3-400F4-06P	400	535	985	93,1	83	49,8	45,3	600	396	70	180	26,6	3130
FAA3-450F1-06P	450	605	985	93,4	83	55,9	50,8	600	445	70	180	30,2	3520
FAA3-450F2-06P	500	670	985	93,7	83	61,9	56,2	600	495	70	180	33,1	3680
FAA3-450F3-06P	560	750	990	93,8	84	68,4	62,2	600	551	70	180	36,4	3870
FAA3-450F4-06P	630	845	990	93,9	84	76,9	69,9	600	620	70	180	39,7	4060
FAA3-500F1-06P	710	950	990	94,2	84	86,3	78,5	600	699	70	180	58,7	4780
FAA3-500F2-06P	800	1070	990	94,4	84	97,1	88,3	600	787	70	180	62,6	4930
FAA3-500F3-06P	900	1210	990	94,5	85	107,8	98,0	600	886	70	180	67,9	5160
FAA3-500F4-06P	1000	1340	990	94,6	85	119,7	108,8	600	984	70	180	74,0	5380
FAA3-560F1-06P	1120	1500	990	94,7	85	133,9	121,7	650	1102	70	180	119,0	6340
FAA3-560F2-06P	1250	1680	990	94,9	86	147,4	134,0	650	1230	70	180	125,0	6530
FAA3-560F3-06P	1400	1880	990	95,0	86	164,9	149,9	650	1378	70	180	132,0	6710
FAA3-630F1-06P	1600	2140	990	95,1	86	188,3	171,1	650	1575	70	180	152,0	8440
FAA3-630F2-06P	1800	2410	990	95,2	86	211,6	192,3	650	1772	70	180	166,0	8800
FAA3-630F3-06P	2000	2680	990	95,4	86	234,6	213,3	650	1969	70	180	179,0	9150
FAA3-630F4-06P	2240	3000	990	95,5	86	262,5	238,6	650	2205	70	180	193,0	9510

FAA3-400F1-08P	185	250	740	91,6	78	24,9	22,7	550	244	80	180	22,3	3050
FAA3-400F2-08P	200	270	740	91,9	78	26,8	24,4	550	263	80	180	22,3	3050
FAA3-400F3-08P	220	295	740	92,1	78	29,5	26,8	550	290	80	180	24,2	3150
FAA3-400F4-08P	250	335	740	92,2	79	33,0	30,0	550	329	80	180	26,1	3240
FAA3-400F5-08P	280	375	740	92,4	79	36,9	33,6	550	369	80	180	28,0	3370
FAA3-450F1-08P	315	420	740	92,7	79	41,4	37,6	550	415	80	180	30,2	3490
FAA3-450F2-08P	355	475	740	92,8	79	46,6	42,4	550	467	80	180	33,0	3680
FAA3-450F3-08P	400	535	740	93,0	80	51,7	47,0	550	527	80	180	36,4	3870
FAA3-450F4-08P	450	605	740	93,1	80	58,1	52,9	550	593	80	180	39,7	4060
FAA3-500F1-08P	500	670	740	93,6	80	64,3	58,4	550	658	80	180	64,4	4620
FAA3-500F2-08P	560	750	740	93,8	80	71,8	65,3	550	737	80	180	70,2	4820
FAA3-500F3-08P	630	845	740	93,9	82	78,7	71,6	550	830	80	180	77,0	5060
FAA3-500F4-08P	710	950	740	94,0	82	88,6	80,6	550	935	80	180	83,7	5310
FAA3-560F1-08P	800	1070	740	94,2	82	99,7	90,6	600	1054	70	180	143,0	6440
FAA3-560F2-08P	900	1210	740	94,3	84	109,3	99,4	600	1185	70	180	151,0	6640
FAA3-560F3-08P	1000	1340	740	94,4	84	121,4	110,3	600	1317	70	180	159,0	6840
FAA3-630F1-08P	1120	1500	740	94,5	84	135,8	123,4	600	1475	70	180	199,0	8460
FAA3-630F2-08P	1250	1680	740	94,7	84	151,2	137,5	600	1646	70	180	211,0	8670
FAA3-630F3-08P	1400	1880	740	94,8	84	169,2	153,8	600	1844	70	180	234,0	9100
FAA3-630F4-08P	1600	2140	740	94,9	84	193,1	175,6	600	2107	70	180	245,0	9310
FAA3-630F5-08P	1800	2410	740	95,0	84	217,1	197,3	600	2370	70	180	257,0	9520

kV 6 - 6.6 Technical data 10 pole – 12 pole

Motor Type	Rated Power		Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx WT
						Full Load 6kV	Full Load 6.6kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
	kW	(HP)	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m^2	kg
FAA3-400F1-10P	185	250	585	90,8	75	26,1	23,8	550	308	80	180	27,6	2960
FAA3-400F2-10P	200	270	585	91,1	75	28,2	25,6	550	333	80	180	29,8	3060
FAA3-450F1-10P	220	295	585	91,3	75	30,9	28,1	550	366	80	180	32,4	3420
FAA3-450F2-10P	250	335	585	91,5	75	35,1	31,9	550	416	80	180	36,3	3610
FAA3-450F3-10P	280	375	585	91,7	75	39,2	35,6	550	466	80	180	39,1	3740
FAA3-450F4-10P	315	420	585	92,1	76	43,3	39,4	550	525	80	180	41,8	3870
FAA3-450F5-10P	355	475	585	92,3	76	48,7	44,3	550	591	80	180	45,7	4060
FAA3-500F1-10P	400	535	585	92,6	76	54,7	49,7	550	666	80	180	56,6	4630
FAA3-500F2-10P	450	605	585	92,7	76	61,5	55,9	550	750	80	180	61,6	4840
FAA3-500F3-10P	500	670	590	93,0	78	66,3	60,3	550	826	80	180	67,6	5080
FAA3-500F4-10P	560	750	590	93,1	78	74,2	67,5	550	925	80	180	73,5	5320
FAA3-500F5-10P	630	845	590	93,2	78	83,4	75,8	550	1041	80	180	80,2	5570
FAA3-560F1-10P	710	950	590	93,4	78	93,8	85,3	600	1173	70	180	151,0	6600
FAA3-560F2-10P	800	1070	590	93,7	80	102,7	93,4	600	1321	70	180	160,0	6800
FAA3-560F3-10P	900	1210	590	93,8	80	115,4	104,9	600	1487	70	180	168,0	6990
FAA3-630F1-10P	1000	1340	590	93,9	80	128,1	116,5	600	1652	70	180	213,0	8460
FAA3-630F2-10P	1120	1500	590	94,1	80	143,2	130,2	600	1850	70	180	231,0	8780
FAA3-630F3-10P	1250	1680	590	94,4	80	159,3	144,8	600	2065	70	180	250,0	9100
FAA3-630F4-10P	1400	1880	590	94,5	80	178,2	162,0	600	2312	70	180	270,0	9410
FAA3-630F5-10P	1600	2140	590	94,6	80	203,4	184,9	600	2643	70	180	287,0	9730

FAA3-450F1-12P	185	250	490	90,9	70	28,0	25,4	550	368	80	180	34,9	3560
FAA3-450F2-12P	200	270	490	91,2	70	30,1	27,4	550	398	80	180	37,1	3660
FAA3-450F3-12P	220	295	490	91,4	72	32,2	29,2	550	438	80	180	39,8	3780
FAA3-450F4-12P	250	335	490	91,7	72	36,4	33,1	550	497	80	180	43,7	3970
FAA3-500F1-12P	280	375	490	91,9	72	40,7	37,0	550	557	80	180	56,5	4700
FAA3-500F2-12P	315	420	490	92,1	72	45,7	41,6	550	626	80	180	59,0	4870
FAA3-500F3-12P	355	475	490	92,3	74	50,0	45,5	550	706	80	180	61,8	5030
FAA3-500F4-12P	400	535	490	92,6	74	56,2	51,1	550	796	80	180	65,0	5190
FAA3-500F5-12P	450	605	490	92,7	74	63,1	57,4	550	895	80	180	67,0	5360
FAA3-560F1-12P	500	670	490	93,1	74	69,8	63,5	600	994	70	180	148,0	6450
FAA3-560F2-12P	560	750	490	93,2	76	76,1	69,2	600	1114	70	180	156,0	6650
FAA3-560F3-12P	630	845	490	93,3	76	85,5	77,7	600	1253	70	180	164,0	6850
FAA3-630F1-12P	710	950	490	93,4	76	96,2	87,5	600	1412	70	180	207,0	8250
FAA3-630F2-12P	800	1070	490	93,7	76	108,1	98,3	600	1591	70	180	227,0	8570
FAA3-630F3-12P	900	1210	490	93,8	76	121,5	110,4	600	1790	70	180	244,0	8880
FAA3-630F4-12P	1000	1340	490	93,9	76	134,8	122,6	600	1989	70	180	261,0	9200
FAA3-630F5-12P	1120	1500	490	94,0	76	150,9	137,1	600	2227	70	180	281,0	9520

kV 10 – 11 Technical data 2 pole – 4 pole

Motor Type	Rated Power		Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx WT
						Full Load 10kV	Full Load 11kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
	kW	(HP)	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m^2	kg
FAA3-400F1-02P	200	270	2975	91,5	85	14,8	13,5	750	66	60	180	8,2	2750
FAA3-400F2-02P	220	295	2975	91,6	85	16,3	14,8	750	72	60	180	8,2	2800
FAA3-400F3-02P	250	335	2975	91,8	85	18,5	16,8	750	82	60	180	8,2	2800
FAA3-400F4-02P	280	375	2975	92,1	85	20,7	18,8	700	92	60	180	8,9	2930
FAA3-400F5-02P	315	420	2975	92,4	85	23,2	21,1	700	103	60	180	8,9	2930
FAA3-400F6-02P	355	475	2980	92,8	86	25,7	23,3	700	116	60	180	9,5	3050
FAA3-400F7-02P	400	535	2980	93,1	86	28,8	26,2	700	131	60	180	10,1	3180
FAA3-450F1-02P	450	605	2980	93,3	86	32,4	29,4	700	147	60	180	10,4	3340
FAA3-450F2-02P	500	670	2980	93,4	86	35,9	32,7	700	164	60	180	10,4	3340
FAA3-450F3-02P	560	750	2980	93,6	86	40,2	36,5	700	183	60	180	11,7	3530
FAA3-450F4-02P	630	845	2980	93,7	87	44,6	40,6	700	206	60	180	11,4	3530
FAA3-450F5-02P	710	950	2980	93,8	87	50,2	45,7	700	232	60	180	12,5	3750
FAA3-500F1-02P	800	1070	2980	94,0	87	56,5	51,3	700	262	60	180	17,6	4520
FAA3-500F2-02P	900	1210	2980	94,1	87	63,5	57,7	700	294	60	180	19,0	4730
FAA3-500F3-02P	1000	1340	2980	94,2	87	70,5	64,0	700	327	60	180	20,4	4930
FAA3-500F4-02P	1120	1500	2980	94,4	87	78,7	71,6	700	366	60	180	22,3	5220
FAA3-560F1-02P	1250	1680	2980	94,6	87	87,7	79,7	700	409	60	180	35,8	6120
FAA3-560F2-02P	1400	1880	2982	94,8	87	98,0	89,1	700	458	60	180	37,9	6380
FAA3-560F3-02P	1600	2140	2982	94,9	88	110,6	100,6	700	523	60	180	40,0	6590
FAA3-560F4-02P	1800	2410	2982	95,0	88	124,3	113,0	700	588	60	180	42,1	6790
FAA3-630F1-02P	2000	2680	2982	95,2	88	137,8	125,3	700	654	60	180	76,0	9650
FAA3-630F2-02P	2240	3000	2982	95,4	88	154,1	140,0	700	732	60	180	79,0	9920
FAA3-630F3-02P	2500	3350	2982	95,4	88	171,9	156,3	700	817	60	180	83,0	10190

FAA3-400F1-04P	200	270	1485	91,3	83	15,2	13,9	700	131	70	180	16,2	2800
FAA3-400F2-04P	220	295	1485	91,4	83	16,7	15,2	700	144	70	180	16,2	2800
FAA3-400F3-04P	250	335	1485	91,6	83	19,0	17,3	700	164	70	180	17,6	2930
FAA3-400F4-04P	280	375	1485	91,8	83	21,2	19,3	700	184	70	180	18,9	3020
FAA3-400F5-04P	315	420	1485	92,1	83	23,8	21,6	700	207	70	180	18,9	3020
FAA3-400F6-04P	355	475	1485	92,3	86	25,8	23,5	700	233	70	180	20,2	3120
FAA3-400F7-04P	400	535	1485	92,5	86	29,0	26,4	700	262	70	180	21,6	3250
FAA3-450F1-04P	450	605	1485	92,9	86	32,5	29,6	700	295	70	180	21,9	3490
FAA3-450F2-04P	500	670	1485	93,0	86	36,1	32,8	700	328	70	180	23,6	3610
FAA3-450F3-04P	560	750	1485	93,3	86	40,3	36,6	700	367	70	180	26,0	3770
FAA3-450F4-04P	630	845	1485	93,5	86	45,2	41,1	700	413	70	180	28,0	3930
FAA3-450F5-04P	710	950	1485	94,1	86	50,7	46,1	700	466	70	180	30,4	4120
FAA3-500F1-04P	800	1070	1485	94,3	87	56,3	51,2	700	525	70	180	53,6	5010
FAA3-500F2-04P	900	1210	1485	94,4	87	63,3	57,5	700	591	70	180	56,9	5170
FAA3-500F3-04P	1000	1340	1490	94,5	87	70,2	63,8	650	654	70	180	62,1	5400
FAA3-500F4-04P	1120	1500	1490	94,6	87	78,6	71,4	650	733	70	180	66,7	5640
FAA3-560F1-04P	1250	1680	1490	94,7	88	86,6	78,7	650	818	70	180	92,0	6590
FAA3-560F2-04P	1400	1880	1490	95,0	88	96,7	87,9	650	916	70	180	97,0	6800
FAA3-560F3-04P	1600	2140	1492	95,1	88	110,4	100,3	650	1045	60	180	102,0	7000
FAA3-560F4-04P	1800	2410	1492	95,2	88	124,1	112,8	650	1176	60	180	107,0	7210
FAA3-630F1-04P	2000	2680	1492	95,4	88	137,5	125,0	650	1306	60	180	154,0	9520
FAA3-630F2-04P	2240	3000	1492	95,5	88	153,9	139,9	650	1463	60	180	161,0	9770
FAA3-630F3-04P	2500	3350	1492	95,5	88	171,8	156,1	650	1633	60	180	169,0	10020

kV 10 – 11 Technical data 6 pole – 8 pole

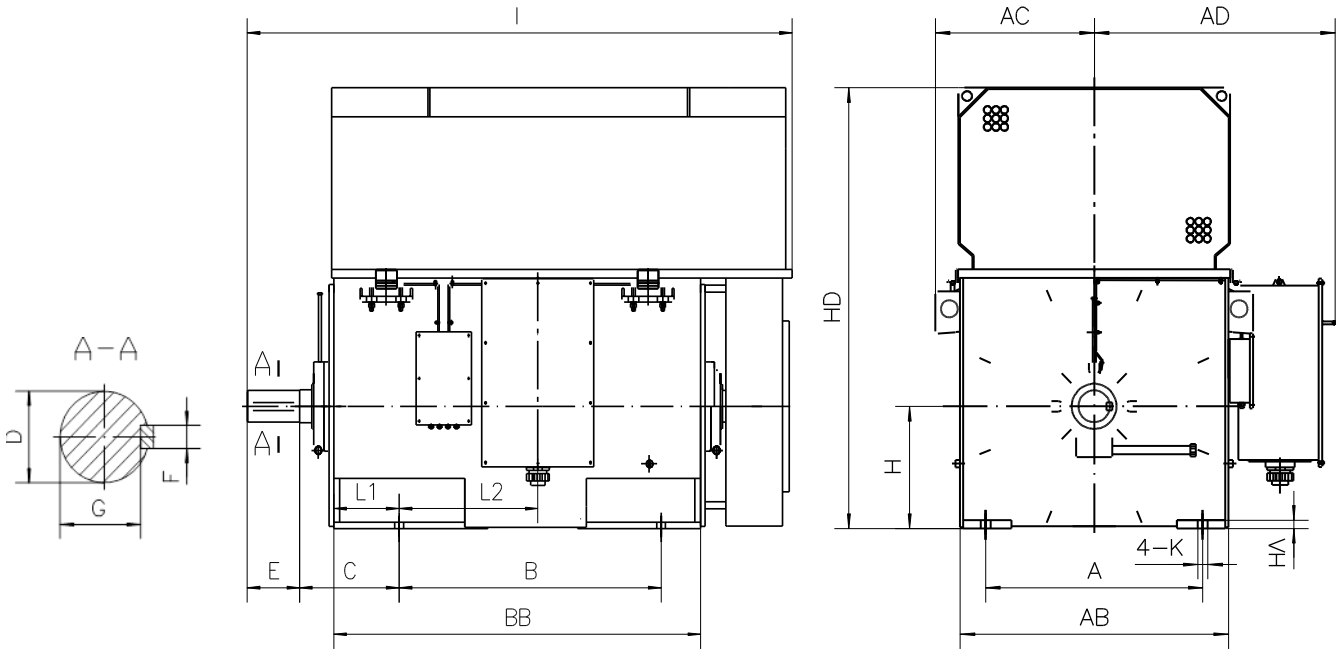
Motor Type	Rated Power		Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx WT
						Full Load 10kV	Full Load 11kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
	kW	(HP)	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m^2	kg
FAA3-400F2-06P	250	335	980	91,4	80	19,7	17,9	600	249	70	180	26,0	3070
FAA3-400F3-06P	280	375	980	91,7	80	22,0	20,0	600	278	70	180	27,9	3190
FAA3-450F1-06P	315	420	980	92,0	82	24,1	21,9	600	313	70	180	28,3	3420
FAA3-450F2-06P	355	475	980	92,2	83	26,8	24,3	600	353	70	180	30,2	3520
FAA3-450F3-06P	400	535	995	92,4	83	30,1	27,4	650	392	70	180	33,1	3680
FAA3-450F4-06P	450	605	995	92,6	83	33,8	30,7	650	441	70	180	36,4	3870
FAA3-450F5-06P	500	670	995	93,0	83	37,4	34,0	650	490	70	180	39,7	4060
FAA3-500F1-06P	560	750	995	93,3	84	41,3	37,5	650	548	70	180	58,7	4780
FAA3-500F2-06P	630	845	995	93,6	84	46,3	42,1	650	617	70	180	62,6	4930
FAA3-500F3-06P	710	950	995	93,8	84	52,0	47,3	600	695	70	180	67,9	5160
FAA3-500F4-06P	800	1070	995	94,0	84	58,5	53,2	600	784	70	180	74,0	5380
FAA3-500F5-06P	900	1210	995	94,2	85	64,9	59,0	600	881	70	180	80,2	5650
FAA3-560F1-06P	1000	1340	995	94,4	85	72,0	65,4	600	979	70	180	109,0	6160
FAA3-560F2-06P	1120	1500	995	94,6	85	80,4	73,1	600	1097	60	180	119,0	6340
FAA3-560F3-06P	1250	1680	995	94,7	86	88,6	80,6	600	1224	60	180	132,0	6710
FAA3-560F4-06P	1400	1880	995	95,1	86	98,8	89,8	600	1371	60	180	139,0	6890
FAA3-630F1-06P	1600	2140	995	95,2	86	112,8	102,6	600	1567	60	180	175,0	9030
FAA3-630F2-06P	1800	2410	995	95,3	86	126,8	115,3	600	1763	60	180	184,0	9270
FAA3-630F3-06P	2000	2680	995	95,4	86	140,7	128,0	600	1959	60	180	197,0	9570
FAA3-630F4-06P	2240	3000	995	95,4	86	157,6	143,3	600	2194	60	180	212,0	9980

FAA3-450F1-08P	200	270	745	91,0	75	16,9	15,4	550	262	70	180	28,4	3420
FAA3-450F2-08P	220	295	745	91,1	75	18,6	16,9	550	288	70	180	30,2	3520
FAA3-450F3-08P	250	335	745	91,3	75	21,1	19,2	600	327	70	180	33,0	3680
FAA3-450F4-08P	280	375	745	91,6	76	23,2	21,1	600	366	70	180	36,4	3870
FAA3-450F5-08P	315	420	745	92,0	77	25,7	23,3	600	412	70	180	39,7	4060
FAA3-500F1-08P	355	475	745	92,4	77	28,8	26,2	600	464	70	180	57,7	4420
FAA3-500F2-08P	400	535	745	92,5	78	32,0	29,1	600	523	70	180	64,4	4620
FAA3-500F3-08P	450	605	745	92,7	78	35,9	32,7	600	589	70	180	70,2	4820
FAA3-500F4-08P	500	670	745	93,1	79	39,3	35,7	600	654	70	180	77,0	5060
FAA3-500F5-08P	560	750	745	93,3	79	43,9	39,9	600	733	70	180	83,7	5310
FAA3-500F6-08P	630	845	745	93,8	82	47,3	43,0	600	824	70	180	91,4	5550
FAA3-560F1-08P	710	950	745	94,0	82	53,2	48,3	600	929	70	180	159,0	6530
FAA3-560F2-08P	800	1070	742	94,2	82	59,8	54,4	600	1051	70	180	167,0	6710
FAA3-560F3-08P	900	1210	742	94,3	82	67,2	61,1	600	1182	70	180	176,0	6890
FAA3-560F4-08P	1000	1340	742	94,5	82	74,5	67,7	600	1313	70	180	184,0	7070
FAA3-630F1-08P	1120	1500	742	94,7	83	82,3	74,8	600	1471	70	180	234,0	9100
FAA3-630F2-08P	1250	1680	742	94,8	83	91,7	83,4	600	1642	70	180	245,0	9310
FAA3-630F3-08P	1400	1880	742	94,9	83	102,6	93,3	600	1839	70	180	257,0	9520
FAA3-630F4-08P	1600	2140	742	94,9	83	117,3	106,6	600	2101	70	180	268,0	9730

kV 10 – 11 Technical data 10 pole – 12 pole

Motor Type	Rated Power		Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx WT
						Full Load 10kV	Full Load 11kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
	kW	(HP)	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m^2	kg
FAA3-450F2-10P	220	295	595	91,0	72	19,4	17,6	550	360	70	180	41,8	3870
FAA3-500F1-10P	250	335	595	91,2	72	22,0	20,0	550	409	70	180	56,6	4630
FAA3-500F2-10P	280	375	595	91,5	74	23,9	21,7	550	459	70	180	61,6	4840
FAA3-500F3-10P	315	420	595	91,7	74	26,8	24,4	550	516	70	180	67,6	5080
FAA3-500F4-10P	355	475	595	92,1	75	29,7	27,0	550	581	70	180	73,5	5320
FAA3-500F5-10P	400	535	595	92,3	75	33,4	30,3	550	655	70	180	80,2	5570
FAA3-500F6-10P	450	605	595	92,5	76	37,0	33,6	550	737	70	180	86,9	5810
FAA3-560F1-10P	500	670	595	92,7	77	40,4	36,8	550	819	70	180	135,0	6200
FAA3-560F2-10P	560	750	595	92,9	78	44,6	40,6	550	917	70	180	143,0	6400
FAA3-560F3-10P	630	845	595	93,1	78	50,1	45,5	600	1032	70	180	160,0	6800
FAA3-560F4-10P	710	950	595	93,3	78	56,3	51,2	600	1163	70	180	168,0	6990
FAA3-560F5-10P	800	1070	595	93,8	78	63,1	57,4	600	1310	70	180	176,0	7190
FAA3-630F1-10P	900	1210	595	94,0	80	69,1	62,8	600	1474	70	180	213,0	8460
FAA3-630F2-10P	1000	1340	595	94,1	80	76,7	69,7	600	1638	70	180	231,0	8780
FAA3-630F3-10P	1120	1500	595	94,2	80	85,8	78,0	600	1834	70	180	250,0	9100
FAA3-630F4-10P	1250	1680	595	94,2	80	95,8	87,1	600	2047	70	180	270,0	9410
FAA3-630F5-10P	1400	1880	595	94,3	80	107,1	97,4	600	2293	70	180	287,0	9730
FAA3-500F1-12P	200	270	495	92,2	72	17,4	15,8	550	394	70	180	61,8	5030
FAA3-500F2-12P	220	295	495	92,4	72	19,1	17,4	550	433	70	180	64,6	5190
FAA3-500F3-12P	250	335	495	92,6	72	21,6	19,7	550	492	70	180	67,3	5360
FAA3-500F4-12P	280	375	495	92,8	72	24,2	22,0	550	551	70	180	70,1	5520
FAA3-500F5-12P	315	420	495	93,0	72	27,2	24,7	550	620	70	180	72,8	5680
FAA3-560F1-12P	355	475	495	93,2	72	30,5	27,8	550	699	70	180	148,0	6400
FAA3-560F2-12P	400	535	495	93,4	73	33,9	30,8	550	787	70	180	156,0	6600
FAA3-560F3-12P	450	605	495	93,5	73	38,1	34,6	600	886	70	180	164,0	6800
FAA3-560F4-12P	500	670	495	93,8	73	42,2	38,3	600	984	70	180	172,0	6990
FAA3-560F5-12P	560	750	495	94,1	74	46,4	42,2	600	1102	70	180	180,0	7190
FAA3-630F1-12P	630	845	495	94,3	74	52,1	47,4	600	1240	70	180	207,0	8250
FAA3-630F2-12P	710	950	495	94,5	74	58,6	53,3	600	1398	70	180	227,0	8570
FAA3-630F3-12P	800	1070	495	94,8	74	65,8	59,9	600	1575	70	180	244,0	8880
FAA3-630F4-12P	900	1205	495	94,8	74	74,1	67,3	600	1772	70	180	261,0	9200
FAA3-630F5-12P	1000	1340	495	94,8	74	82,3	74,8	600	1969	70	180	281,0	9520

kV 6-6.6 MOUNTING DIMENSIONS INSTALLATION

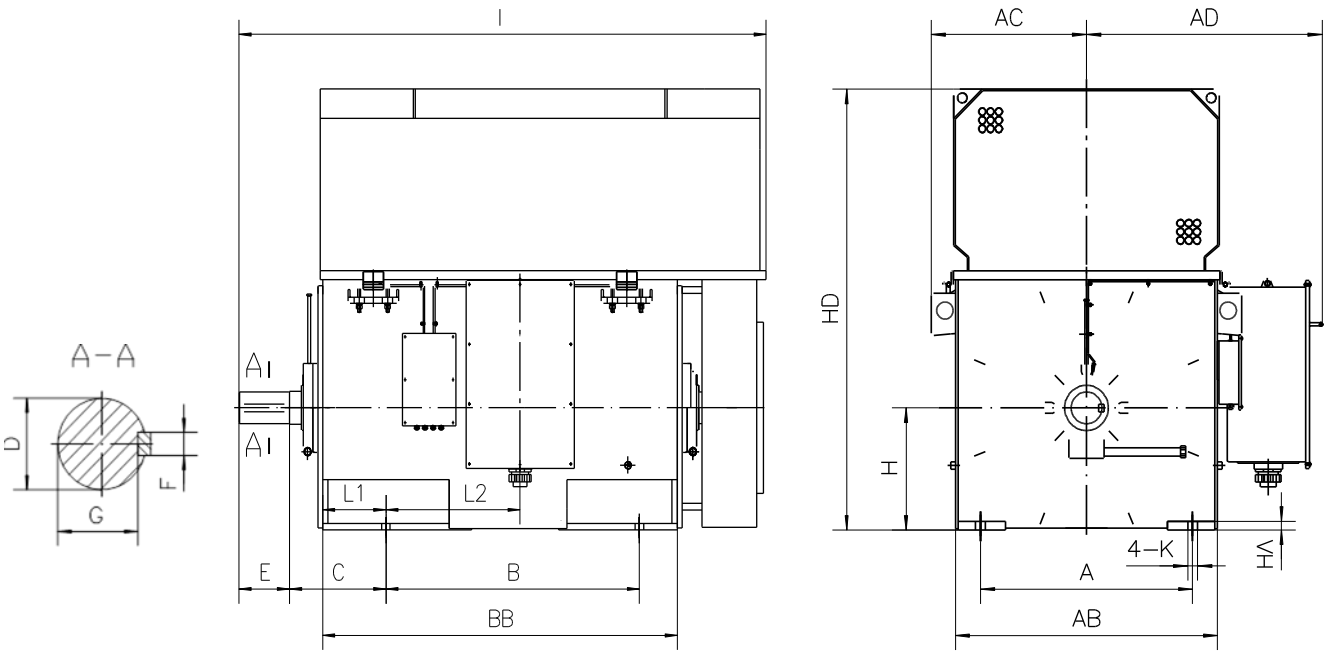


FRAME	POLE	MOUNTING								
		A	B	C	D	E	F	G	H	K1
315	2	560±1.75	800±1.75	280±4	$65^{+0.030}_{+0.011}$	140±0.5	$18^{0}_{-0.043}$	$58^{0}_{-0.2}$	315^{0}_{-1}	$28^{+0.62}_{0}$
315	4	560±1.75	800±1.75	280±4	$80^{+0.030}_{+0.011}$	170±0.5	$22^{0}_{-0.052}$	$71^{0}_{-0.2}$	315^{0}_{-1}	$28^{+0.62}_{0}$
355	2	630±1.75	900±1.75	315±4	$80^{+0.030}_{+0.011}$	170±0.5	$22^{0}_{-0.052}$	$71^{0}_{-0.2}$	355^{0}_{-1}	$28^{+0.62}_{0}$
355	4-6	630±1.75	900±1.75	315±4	$100^{+0.035}_{+0.013}$	210±0.5	$28^{0}_{-0.052}$	$90^{0}_{-0.2}$	355^{0}_{-1}	$28^{+0.62}_{0}$
400	2	710±1.75	1000±1.75	375±4	$90^{+0.035}_{+0.013}$	170±0.5	$25^{0}_{-0.052}$	$81^{0}_{-0.2}$	400^{0}_{-1}	$35^{+0.62}_{0}$
400	4-6	710±1.75	1000±1.75	335±4	$110^{+0.035}_{+0.013}$	210±0.57	$28^{0}_{-0.052}$	$100^{0}_{-0.2}$	400^{0}_{-1}	$35^{+0.62}_{0}$
450	2	800±1.75	1120±1.75	400±4	$100^{+0.035}_{+0.013}$	210±0.57	$28^{0}_{-0.052}$	$90^{0}_{-0.2}$	450^{0}_{-1}	$35^{+0.62}_{0}$
450	4	800±1.75	1120±1.75	355±4	$120^{+0.035}_{+0.013}$	210±0.57	$32^{0}_{-0.062}$	$109^{0}_{-0.2}$	450^{0}_{-1}	$35^{+0.62}_{0}$
450	4-12	800±1.75	1120±1.75	355±4	$130^{+0.040}_{+0.015}$	250±0.57	$32^{0}_{-0.062}$	$119^{0}_{-0.2}$	450^{0}_{-1}	$35^{+0.62}_{0}$
500	2	900±2.1	1250±2.1	560±4	$110^{+0.035}_{+0.013}$	210±0.57	$28^{0}_{-0.052}$	$100^{0}_{-0.2}$	500^{0}_{-1}	$42^{+0.62}_{0}$
500	4	900±2.1	1250±2.1	475±4	$130^{+0.04}_{+0.015}$	250±0.57	$32^{0}_{-0.062}$	$119^{0}_{-0.2}$	500^{0}_{-1}	$42^{+0.62}_{0}$
500	6-10	900±2.1	1250±2.1	475±4	$140^{+0.04}_{+0.015}$	250±0.57	$36^{0}_{-0.062}$	$128^{0}_{-0.3}$	500^{0}_{-1}	$42^{+0.62}_{0}$
560	2	1000±2.1	1400±2.1	560±4	$130^{+0.04}_{+0.015}$	250±0.57	$32^{0}_{-0.062}$	$119^{0}_{-0.2}$	560^{0}_{-1}	$42^{+0.62}_{0}$
560	4	1000±2.1	1400±2.1	500±4	$150^{+0.04}_{+0.015}$	250±0.57	$36^{0}_{-0.062}$	$138^{0}_{-0.3}$	560^{0}_{-1}	$42^{+0.62}_{0}$
560	6-12	1000±2.1	1400±2.1	500±4	$160^{+0.04}_{+0.015}$	300±0.65	$40^{0}_{-0.062}$	$147^{0}_{-0.3}$	560^{0}_{-1}	$42^{+0.62}_{0}$
630	2	1120±2.1	1600±2.1	560±4	$140^{+0.04}_{+0.015}$	250±0.57	$36^{0}_{-0.062}$	$^{0}_{-0.3}$	630^{0}_{-1}	$48^{+0.62}_{0}$
630	4	1120±2.1	1600±2.1	530±4	$170^{+0.04}_{+0.015}$	300±0.65	$40^{0}_{-0.062}$	$157^{0}_{-0.3}$	630^{0}_{-1}	$48^{+0.62}_{0}$
630	6-12	1120±2.1	1600±2.1	530±4	$180^{+0.04}_{+0.015}$	300±0.65	$45^{0}_{-0.062}$	$165^{0}_{-0.3}$	630^{0}_{-1}	$48^{+0.62}_{0}$

kV 6-6.6 MOUNTING DIMENSIONS INSTALLATION

FRAME	POLE	OUTLINE								
		AC	AD	AB	BB	HA	HD	L1	L2	L
315	2	475	730	720	1300	25	1310	168	480	1950
315	4	475	730	720	1300	25	1310	168	480	1950
355	2	500	760	768	1350	30	1400	190	610	2010
355	4-6	500	760	768	1400	25	1400	190	610	2100
400	2	570	900	888	1450	36	1465	250	550	2200
400	4-6	570	900	888	1510	30	1465	210	620	2240
450	2	600	930	968	1530	40	1650	280	625	2280
450	4	600	930	968	1638	32	1650	220	740	2370
450	6-12	600	930	968	1638	32	1650	220	740	2440
500	2	670	1000	1092	1720	50	1810	310	650	2870
500	4	670	1000	1092	1720	35	1810	310	670	2595
500	6-12	670	1000	1092	1720	35	1810	310	670	2600
560	2	740	1050	1196	1938	55	2120	270	810	3400
560	4	740	1050	1196	1938	45	2120	320	760	2840
560	6-12	740	1050	1196	1938	45	2120	320	760	2890
630	2	825	1150	1376	2080	55	2155	265	920	3430
630	4-12	825	1150	1376	2120	50	2155	365	820	3120

kV 10-11 MOUNTING DIMENSIONS INSTALLATION



FRAME	POLE	MOUNTING								
		A	B	C	D	E	F	G	H	K1
400	2	710±1.75	1000±1.75	375±4	$90^{+0.030}_{+0.011}$	170±0.5	$25^{0}_{-0.052}$	$81^{0}_{-0.2}$	400^{0}_{-1}	$35^{+0.62}_{0}$
400	4～8	710±1.75	1000±1.75	335±4	$110^{+0.035}_{+0.013}$	210±0.57	$28^{0}_{-0.052}$	$100^{0}_{-0.2}$	400^{0}_{-1}	$35^{+0.62}_{0}$
450	2	800±1.75	1120±1.75	400±4	$90^{+0.035}_{+0.013}$	170±0.57	$25^{0}_{-0.052}$	$81^{0}_{-0.2}$	450^{0}_{-1}	$35^{+0.62}_{0}$
450	4～8	800±1.75	1120±1.75	355±4	$110^{+0.035}_{+0.013}$	210±0.57	$28^{0}_{-0.062}$	$100^{0}_{-0.2}$	450^{0}_{-1}	$35^{+0.62}_{0}$
500	2	900±2.1	1250±2.1	560±4	$100^{+0.035}_{+0.013}$	210±0.57	$28^{0}_{-0.052}$	$90^{0}_{-0.2}$	500^{0}_{-1}	$42^{+0.62}_{0}$
500	4	900±2.1	1250±2.1	475±4	$130^{+0.04}_{+0.015}$	250±0.57	$32^{0}_{-0.062}$	$119^{0}_{-0.2}$	500^{0}_{-1}	$42^{+0.62}_{0}$
500	6～12	900±2.1	1250±2.1	475±4	$130^{+0.04}_{+0.015}$	250±0.57	$32^{0}_{-0.062}$	$119^{0}_{-0.3}$	500^{0}_{-1}	$42^{+0.62}_{0}$
560	2	1000±2.1	1400±2.1	560±4	$130^{+0.04}_{+0.015}$	250±0.57	$32^{0}_{-0.062}$	$119^{0}_{-0.2}$	560^{0}_{-1}	$42^{+0.62}_{0}$
560	4	1000±2.1	1400±2.1	500±4	$150^{+0.04}_{+0.015}$	250±0.57	$36^{0}_{-0.062}$	$138^{0}_{-0.3}$	560^{0}_{-1}	$42^{+0.62}_{0}$
560	6～12	1000±2.1	1400±2.1	500±4	$160^{+0.04}_{+0.015}$	300±0.65	$40^{0}_{-0.062}$	$147^{0}_{-0.3}$	560^{0}_{-1}	$42^{+0.62}_{0}$
630	2	1120±2.1	1600±2.1	560±4	$140^{+0.04}_{+0.015}$	250±0.57	$36^{0}_{-0.062}$	$128^{0}_{-0.3}$	630^{0}_{-1}	$48^{+0.62}_{0}$
630	4	1120±2.1	1600±2.1	530±4	$170^{+0.04}_{+0.015}$	300±0.65	$40^{0}_{-0.062}$	$157^{0}_{-0.3}$	630^{0}_{-1}	$48^{+0.62}_{0}$
630	6～12	1120±2.1	1600±2.1	530±4	$180^{+0.04}_{+0.015}$	300±0.65	$45^{0}_{-0.062}$	$165^{0}_{-0.3}$	630^{0}_{-1}	$48^{+0.62}_{0}$

kV 10-11 MOUNTING DIMENSIONS INSTALLATION

FRAME	POLE	OUTLINE								
		AC	AD	AB	BB	HA	HD	L1	L2	L
400	2	570	900	888	1450	36	1465	250	550	2200
400	4-6	570	900	888	1510	30	1465	210	620	2240
450	2	600	930	968	1530	40	1650	280	625	2280
450	4-8	600	930	968	1638	32	1650	220	740	2440
500	2	670	1000	1092	1720	50	1810	310	650	2870
500	4	670	1000	1092	1720	35	1810	310	670	2595
500	6-12	670	1000	1092	1720	35	1810	310	670	2600
560	2	740	1050	1196	1938	55	2120	270	810	3400
560	4	740	1050	1196	1938	45	2120	320	760	2840
560	6-12	740	1050	1196	1938	45	2120	320	760	2890
630	2	825	1150	1376	2080	55	2155	265	920	3430
630	4-12	825	1150	1376	2120	50	2155	365	820	3120

Tutti i dati (tecnici, dimensionali, ecc.) riportati nelle tabelle sono indicativi e non impegnativi. I valori garantiti vengono rilasciati su richiesta. Con l'obiettivo di un continuo sviluppo del Prodotto Motore Elettrico, FELM srl si riserva il diritto di modificare il progetto, le caratteristiche tecniche e dimensionali in qualsiasi momento senza preavviso.

All data (technical, dimensions, etc.) listed in the tables are indicative and not binding. The guaranteed values are upon request. Felm srl reserves the right to change the project, the technical characteristics and dimensions at any time without previous notice.

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