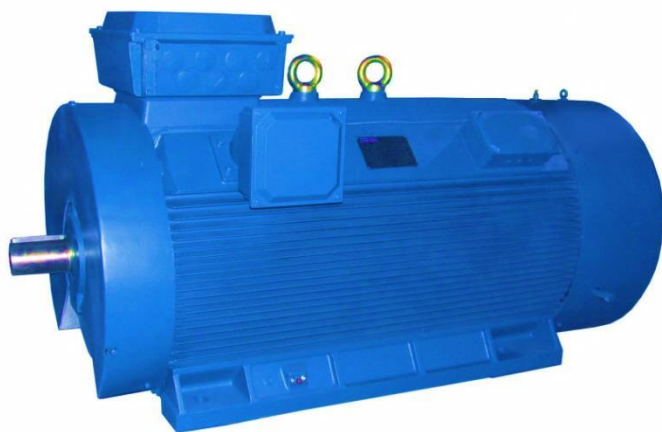




LARGE COMPACT MOTORS

LOW VOLTAGE – HIGH EFFICIENCY & HIGH POWER





GENERAL CHARACTERISTICS

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

Compact Series Motors Technical details:

Efficiency level: Premium IE3 Motors < 220 kW - > 1000 kW High efficiency level	
Number of Poles: 2 up to 12	
Frequency: 50 Hz.	(Optional: 60 Hz.)
Voltage: 400 V.	(Optional: other rated voltages)
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)
Shaft sealing: O'Ring	
VPI Insulation System	
Insulation class F (class B temperature rise)	(Options: Class H)
Ramdom winding from 315X/355X/400X/450X	
Formed winding for 500X and 560X frame	
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 top	
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:	
Space Heaters connected in separate auxiliary terminal box	
Predisposition and All type of Encoder	
Special shaft materials	
DC or AC Brake	

Technical data 2 pole – 4 pole

Motor Type		Rated Power		Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Weight Approx	Noise level
							Full Load 400V	Full Load 690V	Locked Rotor	Full Load	Locked Rotor	Pull Out			
		kW	(HP)	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m ²	Kg	dB(A)
F3X	315XA-2	220	295	2978	95,1	88,0	379	220	700	72	150	200	2.2	1580	84
F3X	315XB-2	250	335	2978	95,2	88,0	431	250	700	82	150	200	2.4	1610	84
F3X	315XC-2	280	375	2978	95,3	88,0	482	279	700	92	150	200	2.6	1700	84
F3X	315XD-2	315	420	2978	95,4	88,0	542	314	700	103	150	200	2.8	1900	84
F3X	355XA-2	355	475	2978	95,5	89,0	603	349	700	116	140	200	5.0	2250	86
FX	355XB-2	400	535	2978	95,6	89,0	679	393	700	131	140	200	5.3	2300	86
FX	355XC-2	450	605	2978	95,7	89,0	763	442	700	147	140	200	5.9	2470	86
FX	355XD-2	500	670	2978	95,8	89,0	846	491	700	164	140	200	6.4	2580	87
FX	400XA-2	560	750	2980	95,8	89,0	948	550	750	183	120	200	8	3350	87
FX	400XB-2	630	845	2980	95,8	89,0	1067	618	750	206	120	200	9	3500	87
FX	400XC-2	710	950	2980	95,8	89,0	1202	697	750	232	120	200	11	3680	87
FX	450XA-2	800	1070	2985	95,9	89,0	--	784	750	261	110	200	29	5100	89
FX	450XB-2	900	1205	2985	96,0	89,0	--	881	750	294	110	200	33	5300	89
FX	450XC-2	1000	1340	2985	96,1	89,0	--	978	750	326	110	200	38	5600	89
F3X	315XA-4	220	295	1485	95,2	87,0	383	222	700	144	150	200	3	1690	80
F3X	315XB-4	250	335	1485	95,3	87,0	435	252	700	164	150	200	3.5	1760	80
F3X	315XC-4	280	375	1485	95,5	87,0	486	282	700	184	150	200	4	1870	82
F3X	315XD-4	315	420	1485	95,5	87,0	547	317	700	207	150	200	4.5	2000	82
F3X	315XE-4	355	475	1485	95,6	87,0	616	357	700	233	150	200	5	2090	82
FX	355XA-4	400	535	1485	95,7	87,0	693	402	700	262	140	200	10	2420	82
FX	355XB-4	450	605	1485	95,8	87,0	779	452	700	295	140	200	11	2580	82
FX	355XC-4	500	670	1485	95,8	87,0	866	502	700	328	140	200	12	2800	84
FX	355XD-4	560	750	1485	95,9	87,0	969	562	700	367	120	220	13	3000	84
FX	400XA-4	560	750	1488	95,9	87,0	969	562	700	367	120	220	16	3250	85
FX	400XB-4	630	845	1488	95,9	88,0	1078	625	700	413	120	220	19	3510	85
FX	400XC-4	710	950	1488	96,0	88,0	1213	703	700	465	120	220	22	3790	85
FX	400XD-4	800	1070	1488	96,0	88,0	1367	792	700	524	120	220	26	4070	87
FX	450XA-4	800	1070	1488	96,0	88,0	--	792	700	524	120	220	34	4900	87
FX	450XB-4	900	1205	1490	96,1	88,0	--	891	750	589	110	220	37	5200	89
FX	450XC-4	1000	1340	1490	96,2	88,0	--	988	750	654	110	220	40	5500	89
FX	500XA-4	1000	1340	1490	96,2	88,0	--	988	750	654	110	220	47	6180	**
FX	500XB-4	1120	1500	1490	96,2	88,0	--	1107	750	733	110	220	53	6480	**
FX	500XC-4	1250	1680	1492	96,3	88,0	--	1234	750	816	90	200	60	6820	**
FX	500XD-4	1400	1880	1492	96,4	88,0	--	1381	750	914	90	200	68	7140	**
FX	560XA-4	1400	1880	1492	96,4	88,0	--	1381	750	914	90	200	75	8100	**
FX	560XB-4	1600	2140	1490	96,3	89,0	--	1562	750	1046	80	200	83	8500	**
FX	560XC-4	1800	2410	1490	96,4	89,0	--	1756	750	1177	80	200	92	9050	**

F3X = IE3 Efficiency

** = on request

Technical data 6 pole – 8 pole



Motor Type		Rated Power		Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Weight Approx	Noise level
							Full Load 400V	Full Load 690V	Locked Rotor	Full Load	Locked Rotor	Pull Out			
		kW	(HP)	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m ²	Kg	dB(A)
F3X	315XA-6	200	270	990	95,0	85,0	358	207	650	197	140	200	4	1740	80
F3X	315XB-6	220	295	990	95,1	85,0	393	228	650	217	140	200	5	1850	80
F3X	315XC-6	250	335	990	95,1	85,0	446	259	650	246	140	200	6	1970	80
F3X	315XD-6	280	375	990	95,2	85,0	499	290	650	276	140	200	7	2120	80
F3X	355XA-6	315	420	990	95,2	85,0	562	326	650	310	130	200	14	2410	80
F3X	355XB-6	355	475	990	95,3	85,0	633	367	650	349	130	200	15	2650	82
FX	355XC-6	400	535	990	95,4	85,0	712	413	650	394	130	200	16	2800	82
FX	400XA-6	450	605	990	95,6	86,0	790	458	680	443	120	200	24	3650	83
FX	400XB-6	500	670	990	95,7	86,0	877	508	680	492	120	200	26	3750	83
FX	400XC-6	560	750	990	95,8	86,0	981	569	680	551	120	200	28	3880	83
FX	450XA-6	630	845	990	95,9	86,0	1103	639	700	620	110	200	47	4800	85
FX	450XB-6	710	950	990	95,9	86,0	1243	720	700	699	110	200	50	5000	85
FX	450XC-6	800	1070	990	96,0	86,0	1399	811	700	787	110	200	53	5250	85
FX	500XA-6	900	1205	990	96,0	86,0	--	912	700	886	100	200	89	6750	85
FX	500XB-6	1000	1340	990	96,1	86,0	--	1012	700	984	100	200	96	7020	85
FX	500XC-6	1120	1500	990	96,1	86,0	--	1134	700	1102	100	200	103	7300	**
FX	560XA-6	1250	1680	992	96,2	86,0	--	1264	700	1228	90	200	120	8300	**
FX	560XB-6	1400	1880	992	96,3	86,0	--	1415	700	1375	90	200	140	8600	**
FX	560XC-6	1600	2140	992	96,4	86,0	--	1615	700	1572	90	200	160	9150	**
FX	315XA-8	160	215	740	94,4	78,0	314	182	650	211	130	200	4	1740	78
FX	315XB-8	180	240	740	94,5	78,0	352	204	650	237	130	200	5	1850	78
FX	315XC-8	200	270	740	94,6	78,0	391	227	650	263	130	200	6	1970	78
FX	315XD-8	220	295	740	94,7	78,0	430	249	650	290	130	200	7	2120	78
FX	355XA-8	250	335	740	94,9	80,0	475	276	650	329	120	200	15	2590	80
FX	355XB-8	280	375	740	95,0	80,0	532	308	650	369	120	200	16	2750	80
FX	355XC-8	315	420	740	95,1	80,0	598	346	650	415	120	200	17	2970	80
FX	400XA-8	355	475	742	95,2	81,0	665	385	650	466	120	200	24	3410	82
FX	400XB-8	400	535	742	95,3	81,0	748	434	650	525	120	200	26	3560	82
FX	400XC-8	450	605	742	95,4	81,0	841	487	650	591	120	200	28	3800	82
FX	400XD-8	500	670	742	95,5	81,0	933	541	650	657	120	200	31	4100	82
FX	450XA-8	500	670	742	95,5	81,0	933	541	650	657	120	200	47	4760	**
FX	450XB-8	560	750	742	95,6	81,0	1044	605	650	735	120	200	49	5080	**
FX	450XC-8	630	845	742	95,6	81,0	1174	681	650	827	120	200	51	5430	**
FX	500XA-8	630	845	744	95,6	81,0	1174	681	650	825	110	200	88	5780	**
FX	500XB-8	710	950	744	95,7	82,0	--	757	650	930	110	200	96	6080	**
FX	500XC-8	800	1070	744	95,8	82,0	--	852	650	1048	110	200	104	6440	**
FX	500XD-8	900	1205	744	95,9	82,0	--	958	650	1179	110	200	112	6760	**
FX	560XA-8	900	1205	744	95,9	82,0	--	958	650	1179	110	200	132	7800	**
FX	560XB-8	1000	1340	745	96,0	82,0	--	1063	650	1308	100	200	145	8210	**
FX	560XC-8	1120	1500	745	96,1	82,0	--	1189	650	1465	100	200	160	8610	**
FX	560XB-8	1250	1680	745	96,2	82,0	--	1326	650	1635	100	200	175	9120	**

F3X = IE3 Efficiency

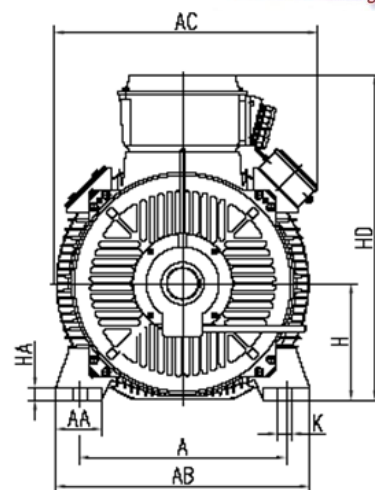
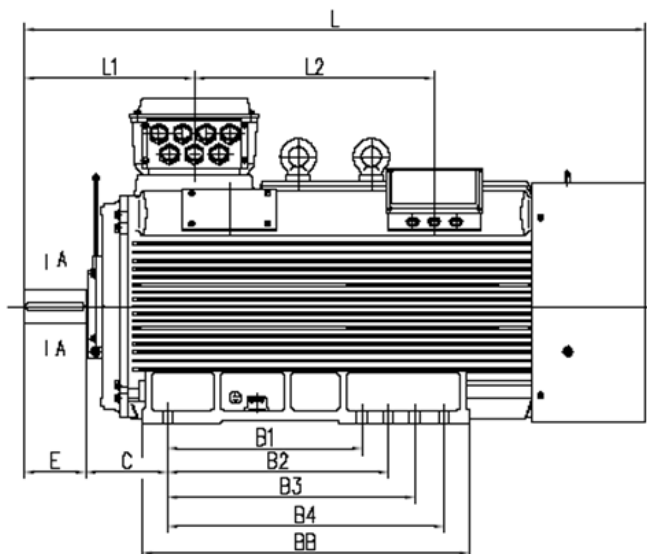
** = on request

Technical data 10 pole – 12 pole

Motor Type		Rated Power		Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Weight Approx	Noise level
							Full Load 400V	Full Load 690V	Locked Rotor	Full Load	Locked Rotor	Pull Out			
		kW	(HP)	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m ²	Kg	dB(A)
FX	400X0-10	250	335	592	94,9	78,0	487	283	550	412	120	200	24	3310	**
FX	400XA-10	280	375	592	95,0	78,0	545	316	550	461	120	200	26	3490	**
FX	400XB-10	315	420	592	95,0	78,0	614	356	550	519	120	200	28	3670	**
FX	400XC-10	355	475	592	95,1	78,0	691	400	550	584	120	200	31	3970	**
FX	450XA-10	355	475	592	95,1	79,0	682	395	600	584	110	200	46	4680	**
FX	450XA-10	400	535	592	95,2	79,0	768	445	600	658	110	200	48	5070	**
FX	450XB-10	450	605	592	95,3	79,0	863	500	600	741	110	200	50	5250	**
FX	450XC-10	500	670	592	95,3	79,0	959	556	600	823	110	200	53	5460	**
FX	500XA-10	500	670	592	95,3	80,0	947	549	600	823	110	200	76	5800	**
FX	500XB-10	560	750	592	95,4	80,0	1059	614	600	922	110	200	82	6170	**
FX	500XC-10	630	845	592	95,5	80,0	1190	690	600	1037	110	200	87	6400	**
FX	500XD-10	710	950	592	95,6	80,0	1340	777	600	1169	110	200	92	6720	**
FX	560XA-10	710	950	595	95,6	80,0	--	777	600	1163	110	200	126	7800	**
FX	560XB-10	800	1070	595	95,6	80,0	--	875	600	1310	100	200	138	8200	**
FX	560XC-10	900	1210	595	95,7	81,0	--	972	600	1474	100	200	150	8610	**
FX	560XD-10	1000	1340	595	95,7	81,0	--	1079	600	1638	100	200	162	9120	**
FX	355XA-12	132	175	490	94,2	71,0	285	165	500	263	110	200	16	2450	**
FX	355XB-12	160	215	490	94,3	71,0	345	200	500	318	110	200	17	2660	**
FX	355XC-12	180	240	490	94,4	71,0	388	225	500	358	110	200	18	2850	**
FX	400XA-12	200	270	492	94,5	72,0	424	246	500	396	110	200	24	3300	**
FX	400XB-12	225	300	492	94,6	72,0	477	276	500	446	110	200	26	3450	**
FX	400XC-12	250	335	492	94,7	72,0	529	307	500	495	110	200	28	3600	**
FX	400XD-12	280	375	492	94,8	72,0	592	343	500	555	110	200	31	3900	**
FX	450XA-12	280	375	492	94,8	73,0	584	339	550	555	100	180	46	4630	**
FX	450XB-12	315	420	492	94,9	73,0	656	380	550	624	100	180	47	4870	**
FX	450XC-12	355	475	492	95,0	73,0	739	428	550	703	100	180	48	5070	**
FX	450XD-12	400	535	492	95,0	73,0	833	483	550	792	100	180	50	5250	**
FX	500XA-12	450	605	492	95,1	74,0	923	535	550	891	90	180	82	6170	**
FX	500XB-12	500	670	492	95,2	74,0	1024	594	550	990	90	180	87	6400	**
FX	500XC-12	560	750	492	95,2	74,0	1147	665	550	1109	90	180	92	6720	**
FX	560XA-12	630	840	495	95,3	75,0	--	738	600	1240	90	180	125	8200	**
FX	560XB-12	710	950	495	95,4	75,0	--	830	600	1398	90	180	135	8610	**
FX	560XC-12	800	1070	495	95,5	75,0	--	935	600	1575	90	180	150	9120	**

F3X = IE3 Efficiency

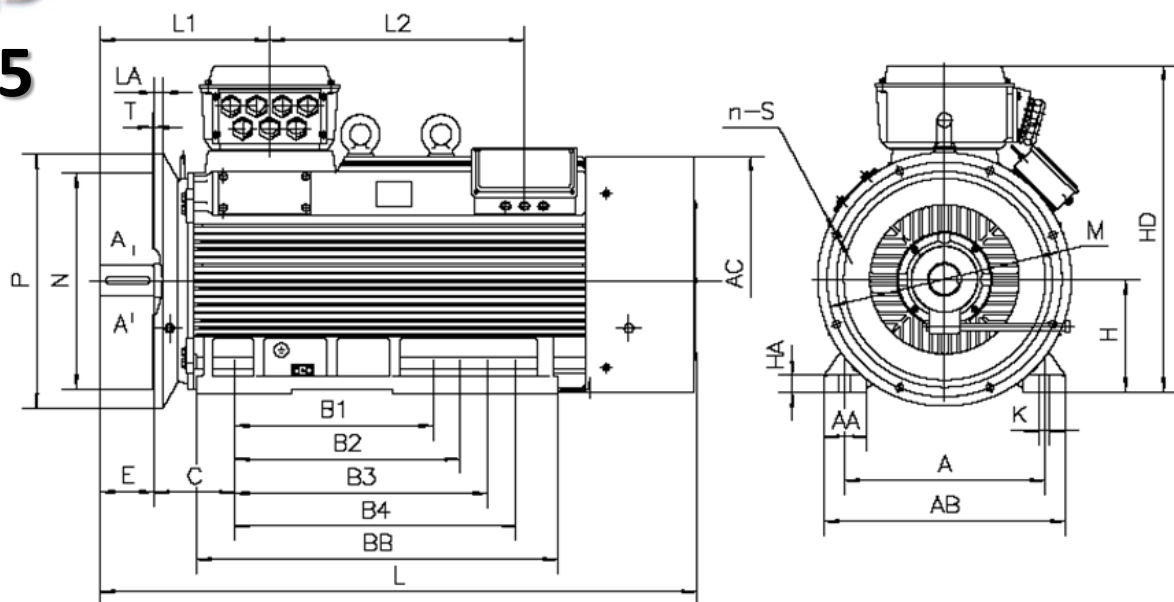
** = on request



Frame	Pole	MOUNTING												
		A	B1	B2	B3	B4	C	D	E	F	G	H	K	
315X	2	508/560	630	710	800	-	216±4	65 ^{+0.03} _{+0.01}	140±0.5	18 ⁰ _{-0.043}	58 ⁰ _{-0.2}	315 ⁰ ₋₁	28*54	
315X	4	508/560	630	710	800	-	216±4	80 ^{+0.03} _{+0.01}	170±0.5	22 ⁰ _{-0.052}	71 ⁰ _{-0.2}	315 ⁰ ₋₁	28*54	
355X	2	630±1.4	630	710	800	-	254±4	75 ^{+0.03} _{+0.01}	140±0.5	20 ⁰ _{-0.052}	67,5 ⁰ _{-0.2}	355 ⁰ ₋₁	35 ^{+0.5} ₀	
355X	4~ 12	630±1.4	630	710	800	-	254±4	100 ^{+0.03} _{+0.01}	210±0.5	25 ⁰ _{-0.052}	86 ⁰ _{-0.2}	355 ⁰ ₋₁	35 ^{+0.5} ₀	
400X	2	686/710	710	800	900	-	280±4	80 ^{+0.03} _{+0.01}	170±0.5	22 ⁰ _{-0.052}	71 ⁰ _{-0.2}	400 ⁰ ₋₁	35*47	
400X	4~ 12	686/710	710	800	900	-	280±4	110 ^{+0.03} _{+0.01}	210±0.57	28 ⁰ _{-0.052}	100 ⁰ _{-0.2}	400 ⁰ ₋₁	35*47	
450X	2	800±1.75	900	1000	1120	1250	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	
450X	4~ 12	800±1.75	900	1000	1120	1250	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	
500X	4~ 12	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*60	
560X	4~ 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*52	

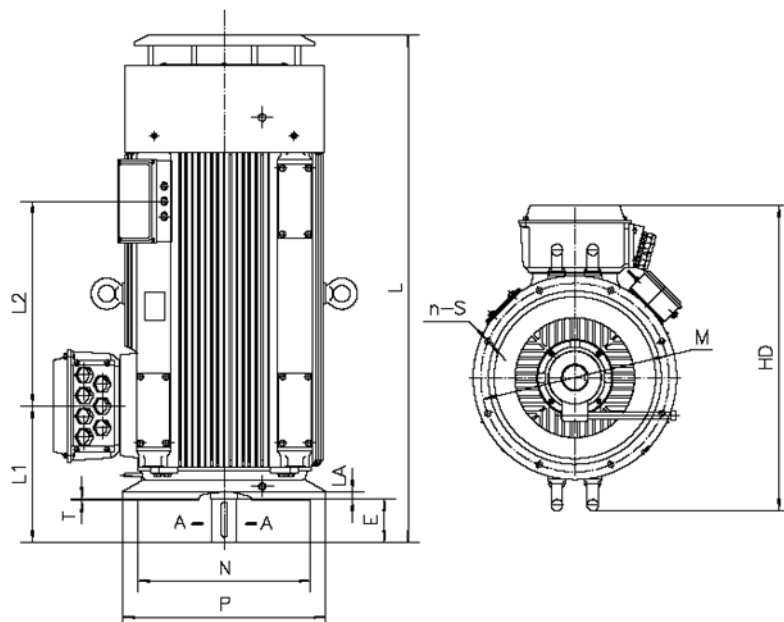
Frame	Pole	OUTLINE								
		AC	AA	AB	BB	HA	HD	L1	L2	L
315X	2	700	120	680	1080	45	845	462	797	1790
315X	4	700	120	680	1080	45	845	492	797	1820
355X	2	790	135	760	1140	52	1020	508	841	1880
355X	4~12	790	135	760	1140	52	1020	538	841	1910
400X	2	864	160	870	1200	50	1100	512	700	2000
400X	4~12	864	160	870	1200	50	1100	572	700	2040
450X	2	1035	225	980	1495	45	1290	570	921	2380
450X	4~12	1035	225	980	1495	45	1290	610	921	2420
500X	4~12	1095	180	1080	1600	65	1365	662	980	2560
560X	4~12	1195	210	1170	1680	76	1480	710	970	2700

B3/B5



Frame	Pole	MOUNTING											
		A	B1	B2	B3	B4	C	D	E	F	G	H	K
315X	2	508/560	630	710	800	-	216±4	65 ^{+0.030} _{+0.011}	140±0.5	18 ⁰ ₋	58 ⁰ ₋	315 ⁰ ₋₁	28*54
315X	4	508/560	630	710	800	-	216±4	80 ^{+0.030} _{+0.011}	170±0.5	22 ⁰ ₋	71 ⁰ ₋	315 ⁰ ₋₁	28*54
355X	2	630±1.4	630	710	800	-	254±4	75 ^{+0.030} _{+0.011}	140±0.5	20 ⁰ ₋	67,5 ⁰ ₋	355 ⁰ ₋₁	35 ^{+0.5} ₀
355X	4~12	630±1.4	630	710	800	-	254±4	100 ^{+0.035} _{+0.013}	210±0.5	25 ⁰ ₋	86 ⁰ ₋	355 ⁰ ₋₁	35 ^{+0.5} ₀
400X	2	686/710	710	800	900	-	280±4	80 ^{+0.030} _{+0.011}	170±0.5	22 ⁰ ₋	71 ⁰ ₋	400 ⁰ ₋₁	35*47
400X	4~12	686/710	710	800	900	-	280±4	110 ^{+0.035} _{+0.013}	210±0.57	28 ⁰ ₋	100 ⁰ ₋	400 ⁰ ₋₁	35*47
450X	2	800±1.75	900	1000	1120	1250	280±4	95 ^{+0.035} _{+0.013}	170±0.5	25 ⁰ ₋	86 ⁰ ₋	450 ⁰ ₋₁	35 ^{+0.6} ₀
450X	4~12	800±1.75	900	1000	1120	1250	280±4	120 ^{+0.035} _{+0.013}	210±0.57	32 ⁰ ₋	109 ⁰ ₋	450 ⁰ ₋₁	35 ^{+0.6} ₀
500X	4~12	900±2.1	1250±2.1				315±4	140 ^{+0.04} _{+0.015}	250±0.57	36 ⁰ ₋	128 ⁰ ₋	500 ⁰ ₋₁	42*60
560X	4~8	1000±2.1	1400±2.1				355±4	160 ^{+0.04} _{+0.015}	300±0.65	40 ⁰ ₋	147 ⁰ ₋	560 ⁰ ₋₁	42*52

Frame	Pole	OUTLINE						OUTLINE								
		M	N	P	S	T	LA	AA	AB	AC	BB	HA	HD	L1	L2	L
315X	2	600	550	660	8-24	6	22	120	680	700	1080	45	845	462	797	1790
315X	4	600	550	660	8-24	6	22	120	680	700	1080	45	845	492	797	1820
355X	2	740	680	800	8-24	6	25	135	760	790	1140	52	1020	508	841	1880
355X	4~12	740	680	800	8-24	6	25	135	760	790	1140	52	1020	538	841	1910
400X	2	940	880	1000	8-28	6	28	160	870	864	1200	50	1100	512	700	2000
400X	4~12	940	880	1000	8-28	6	28	160	870	864	1200	50	1100	572	700	2040
450X	2	1080	1000	1150	8-28	6	30	225	980	1035	1495	45	1290	570	921	2380
450X	4~12	1080	1000	1150	8-28	6	30	225	980	1035	1495	45	1290	610	921	2420
500X	4~12	1180	1120	1250	8-28	7	32	180	1080	1095	1600	65	1365	662	980	2560
560X	4~12	1180	1120	1250	8-28	7	32	210	1170	1195	1680	76	1480	710	970	2700

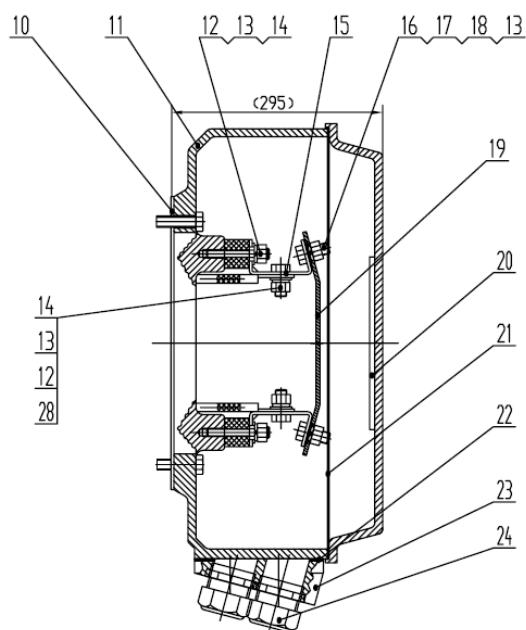
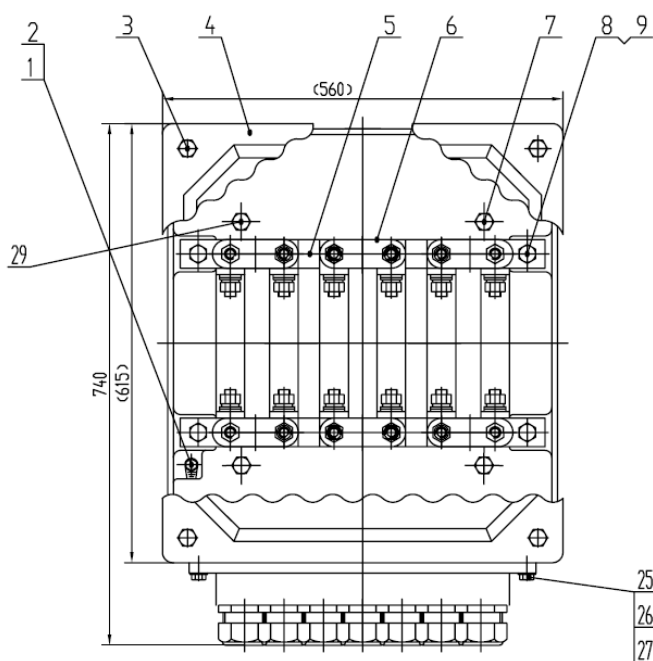


Frame	Pole	MOUNTING													
		D	E	F	G	M	N	P	n-S	T	LA	HD	L1	L2	L
315X	4	80 +0.03 +0.01	170	22 0 -	71 0 -	600	550	660	8-24	6	22	990	492	797	2020
355X	4~12	100 +0.03 +0.01	210	25 0 -	86 0 -	740	680	800	8-24	6	25	1190	538	841	2250
400X	4~12	110 +0.03 +0.01	210	28 0 -	100 0 -	940	880	1000	8-28	6	28	1270	572	700	2380
450X	4~12	120 +0.03 +0.01	210	32 0 -	109 0 -	1080	1000	1150	8-28	6	30	1520	610	921	2600
500X	4~12	140 +0.04 +0.01	250	36 0 -	128 0 -	1180	1120	1250	8-28	7	32	1576	662	980	2720
560X	4~12	160 +0.04 +0.01	300	40 0 -	147 0 -	1180	1120	1250	8-28	7	32	1681	710	970	2980

Bearings (IMB3)

Frame	Pole	D.E.	N.D.E.
315 X	2	6317C3	6317C3
315 X	4,6,8	6319C3	6319C3
355 X	2	6318C3	6318C3
355 X	4,6,8	6322C3	6322C3
400 X	2	6220C3	6220C3
400 X	4,6,8	6326C3	6326C3
450 X	2	6221C3	6221C3
450 X	4,6,8	6328C3	6328C3
500 X	2	on demand	on demand
500 X	4,6,8	6330C3	6330C3
560 X	2	on demand	on demand
560 X	4,6,8	6334C3	6330C3

Terminal box



No.	Name	Type	No.	Name	Type	No.	Name	Type
1	Bolt	M12x20	11	Terminal box base		21	Sealing gasket	
2	Label Grounding		12	Gasket		22	Sealing gasket	
3	Bolt	M12x25	13	Gasket		23	Outlet insert	
4	Terminal box lid		14	Nut	M16	24	Cable glande*	7x M63x1,5
5	Connection place		15			25	Bolt	M12x35
6			16	Bolt	M16x50	26	Gasket	
7	Bolt	M16x40	17	Gasket		27	Bolt	M12x35
8	Bolt	M16x60	18	Nut	M16	28	Bolt	M16x50
9	Gasket		19	Connection place		29	Bolt	M16x40
10	Sealing gasket		20	Connection instruction				

*=frame 355-400-500-560
frame 315= 7xM40X1.5

Note:

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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.

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.

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