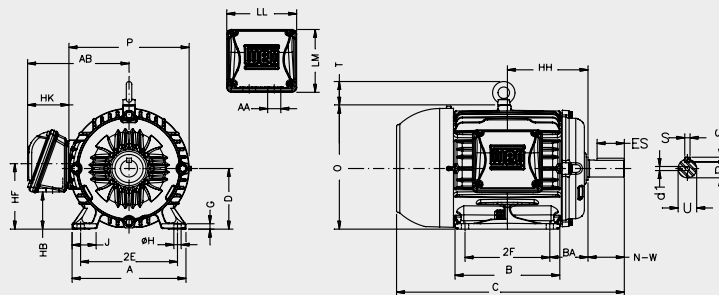
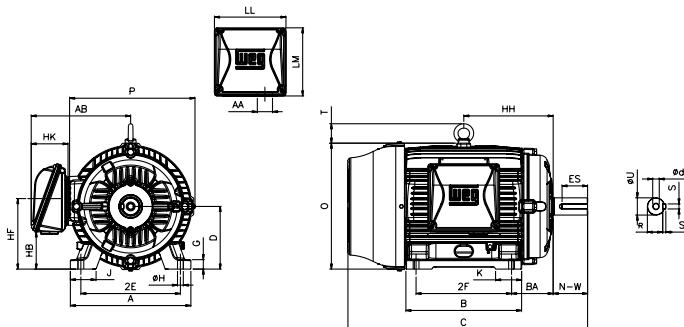


Mechanical data

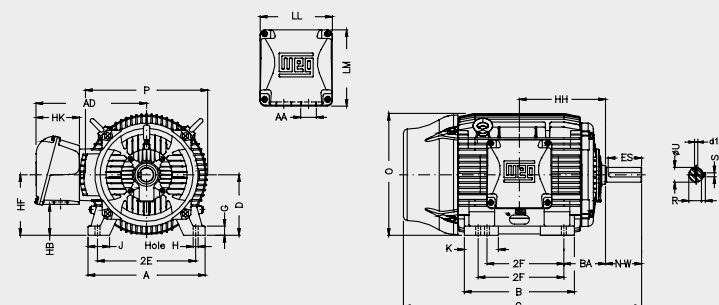
Frames 143T to 215T



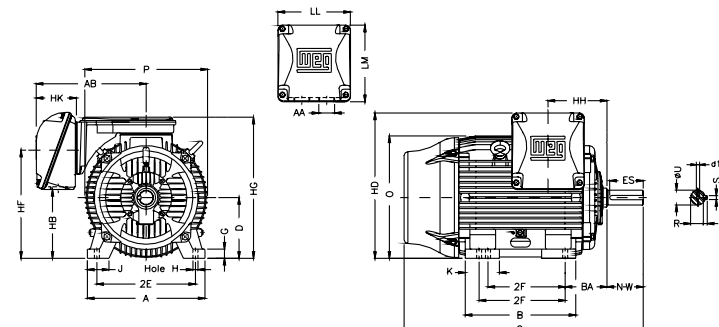
Frames 254T to 326T



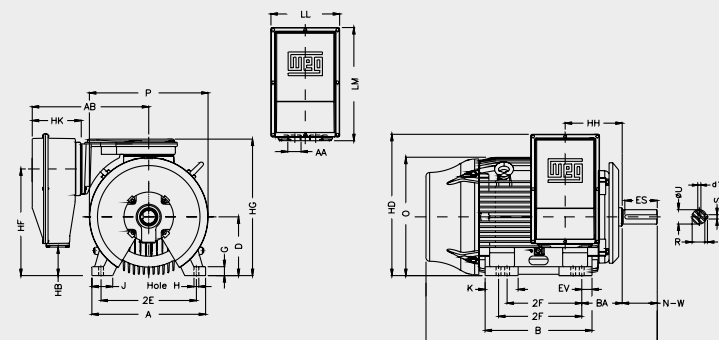
Frames 364 to 444/5T



Frames 445/7T to 586/7T



Frame 588/9T

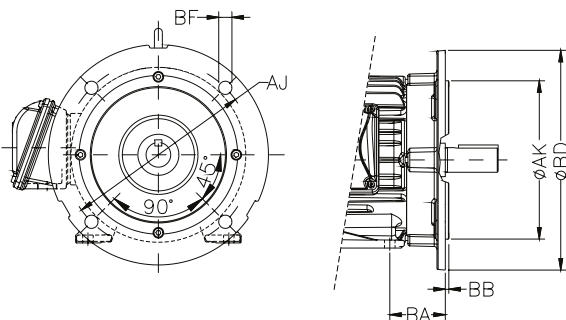


Frame	Mounting				A	B	C	D	G	J	O	K	P	T	Keyway			Shaft Extension													
	2E	2F	H	BA											S	R	ES	N-W	U												
143T	5.500	4.000	0.344	2.250	6.457	5.157	12.346	3.500	0.354	1.437	7.122		7.047	-	0.187	0.765	1.575	2.250	0.875												
L143T							13.566																								
145T		5.000					13.346																								
L145T							14.566																								
182T	7.500	4.500	0.406	2.750	8.661	5.945	14.860	4.500	0.394	1.594	9.343	-	8.740	1.772	0.250	0.984	1.969	2.750	1.125												
L182T							16.041																								
184T		5.500					15.860																								
L184T							17.041																								
213T	8.500	5.500	0.406	3.500	9.764	7.362	18.021	5.250	0.827	1.988	10.841		10.669	1.772	0.313	1.203	2.480	3.375	1.375												
L213T							19.527																								
215T		7.000					19.517																								
L215T							20.905																								
254T	10.000	8.252	0.531	4.250	12.126	10.000	23.213	6.250		2.539	12.598	2.559	12.953	2.087	0.375	1.406	2.756	4.000	1.625												
256T		10.000					11.732										24.945														
284TS		11.000				9.500	4.750										13.780	11.575		25.061	7.000	1.023	3.110	14.067	2.874	14.173	2.087	0.375	1.406	2.480	3.250
284T																				26.433											
286TS	11.000			13.071	26.557														3.149	4.622											
286T				27.929															3.750	1.875											
324TS	12.500	10.500	0.657	5.250	15.157	28.120		8.000	1.300	3.189	15.953	3.189	15.827	2.441	0.500	1.594	2.756	3.750	1.875												
324T							29.620																							1.844	3.937
326TS		12.000					14.567										29.616													1.594	2.756
326T							31.116																							1.844	3.937
364/5TS	14.016	11.260/12.244	0.660	5.875	17.165	16.220	32.276	9.000	1.480	3.150	17.957	4.921	17.914	-	0.625	2.019	3.748	1.875	2.375												
364/5T							34.251											1.591		1.968	3.748	1.875									
404/5TS	15.984	12.244/13.740	0.810	6.625	19.921	18.386	36.732	10.000	1.811		19.566	5.669	19.134	-	0.500	1.842	4.330	5.874	2.375												
404/5T																	39.730														4.250
444/5TS		14.500/16.500		20.315	41.200	1.630	3.937		5.866	23.583	0.625	2.021	3.000		4.750	2.375	0.750	2.449	5.512	7.250	2.875										
444/5T																			44.950												
445/7TS		16.500/20.000		23.897	44.951	1.654		22.795	5.866	23.583	0.625	2.021	3.000		4.750	2.375	0.625	2.880	7.087	8.500	3.375										
445/7T																			48.701												
447/9TS		20.000/25.000		31.535	52.588	1.630	4.331		6.692	25.866	0.625	2.021	3.000		4.750	2.375	0.625	2.880	7.087	8.500	3.375										
447/9T																			56.338												
L447/9TS		20.000/25.000		57.181	31.535	1.630	4.331		6.692	25.866	0.625	2.021	3.000		4.750	2.375	0.625	2.880	7.087	8.500	3.375										
L447/9T																				57.181											
504/5TS	20.000	16.000/18.000	1.250	8.500	24.724	24.449	48.215	12.500	2.146	4.724	25.425	7.228	28.977	-	0.625	2.021	3.000	4.750	2.375												
504/5T																	54.095														3.134
586/7TS	23.000	22.000/25.000	1.181	10.000	29.528	29.921	55.027	14.500	2.492	5.512	28.985	9.055	28.977	-	0.625	2.021	3.000	4.750	2.375												
586/7T																	61.902														1.000
588/9TS		28.000/32.000				37.980	62.506					13.030	28.977		0.625	2.021	3.000	4.750	2.375	1.000	3.312	8.661	11.625	3.875	2.375	1.625					
588/9T																											69.381				

Frame	Terminal Box										d1	Bearings										
	AB	HB	HD	HF	HG	HH	HK	LL	LM	AA		D.E.	N.D.E									
143T	6.181	1.728	-	3.500	-	4.250	2.638	4.527	4.094	NPT3/4"	A 4	6205 ZZ	6204 ZZ									
L143T						4.750																
145T																						
L145T	7.559	2.236		4.500		5.000	3.110	5.512	5.236	NPT1"		6207 ZZ	6206 ZZ									
182T						5.500																
L182T														6.250								
184T																						
L184T	8.583	3.006		5.250		7.000	3.937	7.795	7.402	NPT 1 1/2"		6308 ZZ	6207 ZZ									
213T						8.376																
L213T														9.250								
215T	10.394	3.061		6.565		7.000	4.645	8.976	8.543	NPT 2"		6309 C3	6209 C3									
L215T														9.500								
254T															10.250							
256T	10.984	3.535		8.708		10.500	6.378	9.646	10.119	NPT 3"		6311 C3	6211 C3									
284TS														12.480	4.811	11.250						
284T																	12.362					
286TS	16.378	4.055	14.213	15.748	5.787	11.811	11.890	2xNPT 3"	6312 C3	6212 C3												
286T											5.040											
324TS		18.386										5.394	11.803	8.464	15.906	17.244	UNC 3/4"-10	6314 C3	6214 C3			
324T	15.078		27.401	25.889	27.007	14.646	15.040	6319 C3	6316 C3													
326TS										20.670	15.078									27.401	25.889	29.409
326T	23.977	18.149	35.354	27.559	30.801	13.386	8.464	15.906	17.244			6322 C3	6319 C3									
364/5TS										20.670	15.275			30.305	24.291	29.409	10.394	6.968	14.646	15.040	6322 C3	6319 C3
364/5T																						
404/5TS	27.600	6.063	35.346	26.182	33.346	12.519 (side mounted)/ 13.977(top mounted)	17.441	28.740	UNC 7/8"-9			6322 C3	6319 C3									
404/5T										23.977	18.149			35.354	27.559	30.801	13.386	8.464	15.906	17.244	6322 C3	6319 C3
444/5TS																						
444/5T	23.977	18.149	35.354	27.559	30.801	13.386	8.464	15.906	17.244			6322 C3	6319 C3									
445/7TS										27.600	6.063			35.346	26.182	33.346	12.519 (side mounted)/ 13.977(top mounted)	17.441	28.740	UNC 7/8"-9	6322 C3	6319 C3
445/7T																						
447/9TS	20.670	15.275	30.305	24.291	29.409	10.394	6.968	14.646	15.040			6322 C3	6319 C3									
447/9T										23.977	18.149			35.354	27.559	30.801	13.386	8.464	15.906	17.244	6322 C3	6319 C3
L447/9TS																						
L447/9T	23.977	18.149	35.354	27.559	30.801	13.386	8.464	15.906	17.244			6322 C3	6319 C3									
504/5TS										20.670	15.275			30.305	24.291	29.409	10.394	6.968	14.646	15.040	6322 C3	6319 C3
504/5T																						
586/7TS	27.600	6.063	35.346	26.182	33.346	12.519 (side mounted)/ 13.977(top mounted)	17.441	28.740	UNC 7/8"-9			6322 C3	6319 C3									
586/7T										23.977	18.149			35.354	27.559	30.801	13.386	8.464	15.906	17.244	6322 C3	6319 C3
588/9TS																						
588/9T	23.977	18.149	35.354	27.559	30.801	13.386	8.464	15.906	17.244			6322 C3	6319 C3									

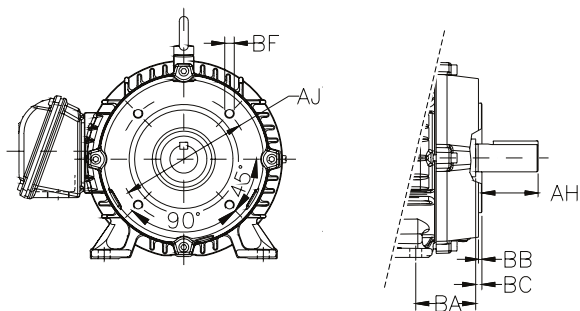
Flange mounted motors

“D” Flange



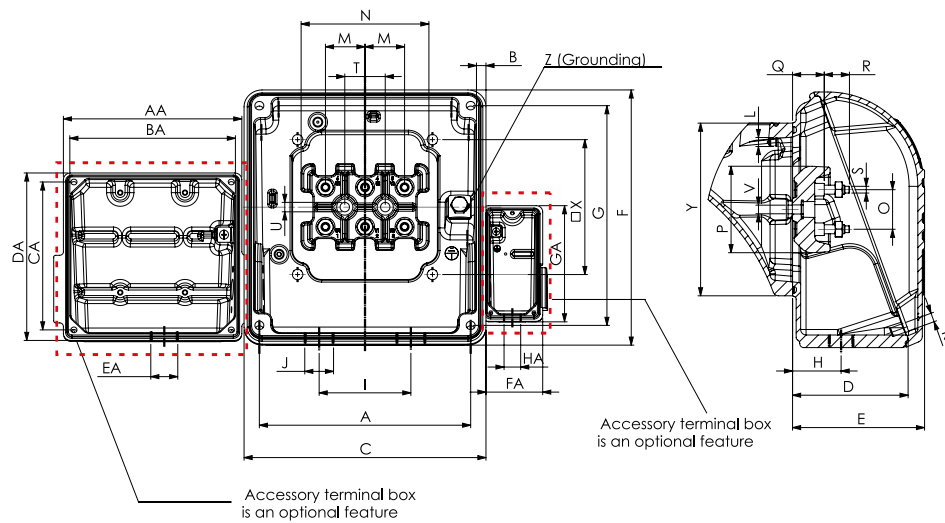
“D” flange dimensions														
Frame	BA	AJ	AK	BD	BF		BB							
					Quantity	Tap size								
143TD / L143TD	2.250	10.000	9.000	11.000	4	0.562	0.203							
145TD / L145TD														
182TD / L182TD														
184TD / L184TD														
213TD / L213TD														
215TD / L215TD														
254TD	4.250	12.500	11.000	14.000		8		0.828						
256TD														
284TD														
284TSD														
286TD														
286TSD														
324TD	4.750	16.000	14.000	18.000					8	0.828				
324TSD														
326TD														
326TSD														
364/5TD	5.875			20.000	18.000						17.716	8	0.828	
364/5TSD														
404/5TD	6.625	22.000	21.653								8			0.828
404/5TSD														
444/5TD														
444/5TSD														
445/7TD														
445/7TSD														
447/9TD														
447/9TSD														
504/5TD		8.500		22.000	18.000	24.803	8	0.828						
504/5TSD														
586/7TD														
586/7TSD														
588/9TD	10.000	30.000	28.000	32.000	8	0.828								
588/9TSD														
588/9TSD														

“C” Flange



“C” flange dimensions																
Frame	BA	AJ	AK	BD	BF		BB	BC	AH							
					Quantity	Tap size										
143TC / L143TC	2.250	5.875	4.500	6.500	4	UNC 3/8"x16	0.156	0.125	2.125							
145TC / L145TC																
182TC / L182TC	2.750	7.250	8.500	8.875		UNC 1/2"x13	0.250	0.250	2.625							
184TC / L184TC																
213TC / L213TC	3.500													3.125		
215TC / L215TC																
254TC	4.250	9.000	10.500	11.031		8	0.250	0.250	3.75							
256TC															4.375	
284TC														3.000		
284TSC														4.375		
286TC	4.750	11.000	12.500	13.583			0.250	0.250	0.250	3.000						
286TSC																5.000
324TC	5.250									14.000	16.000	17.913	0.250	0.250	0.250	3.500
324TSC																
326TC								5.625								
326TSC								3.500								
364/5TC	5.875	14.500	16.500	15.551	8		0.250	0.250	0.250	7.000						
364/5TSC																4.000
404/5TC	6.625									14.000	16.000	17.913	0.250	0.250	0.250	8.250
404/5TSC																
444/5TC	7.500	14.000	16.000	17.913		0.250	0.250	0.250	8.250							
444/5TSC																
445/7TC														4.500		
445/7TSC														8.250		
447/9TC	7.500	14.000	16.000	17.913		8	0.250	0.250	0.250	4.500						
447/9TSC																8.250
L447/9TC															4.500	
L447/9TSC															4.500	
504/5TC	8.500	14.500	16.500	15.551			8	0.250	0.250	0.250	10.375					
504/5TSC																
586/7TC	10.000				14.000						16.000	17.913	0.250	0.250	0.250	11.375
586/7TSC																
588/9TC																11.375
588/9TSC																4.500

Terminal box drawings



Frames	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
143/5T	3.858	0.118	4.508	2.343	2.638	3.976	3.583	1.220	1.654	NPT 3/4"	M5	M5	0.630	2.953	0.630	1.378	0.531	0.472	M4	0.787	0.228
182/4T	4.606	0.098	5.433	2.795	3.150	5.138	4.606	1.437	2.126	NPT 1"	M6	M6	0.906	2.165	0.906	2.047	0.669	0.630	M5	0.906	0.256
213/5T	6.890	0.157	7.795	3.543	3.957	7.382	6.890	1.929	3.307	NPT 1.1/2"	M8	M8	1.102	3.543	1.102	2.362	0.846	0.807	M6	1.102	0.260
254/6T	8.031	0.177	8.976	4.213	4.646	8.504	8.031	2.323	3.701	NPT 2"	M10	M10	1.378	4.409	1.378	2.913	0.945	0.945	M8	1.378	0.374
324/6T	9.252	0.492	10.591	5.236	6.024	11.850	10.236	2.795	4.331	NPT 3"	M12	M12	1.732	5.512	1.732	3.701	1.102	1.102	M10	1.772	0.413
364/5T	10.827	0.531	12.362	6.024	6.812	12.244	10.827	2.961	4.961	2xNPT 3"	M14	M14	2.559	8.268	2.559	5.748	1.890	1.890	M16	2.559	0.413
404/5T	13.386	0.571	14.921	6.378	7.165	15.354	13.386	3.071	6.299	2xNPT 3"	M12	M12	1.772	6.024	1.772	4.252	1.339	1.575	M12	1.772	0.413
444/5T	14.370	0.571	15.906	7.953	8.898	16.614	14.370	3.819	7.874	2xNPT 3"	M14	M14	2.559	8.268	2.559	5.748	1.890	1.890	M16	2.559	0.413
445/7T	16.339	-	17.402	10.512	13.898	28.701	16.339	7.362	5.512	2xNPT 3"	M10	M12	3.150	-	4.134	-	-	-	M20	-	-

Frames	V	X	Y	Z	AA	BA	CA	DA	EA	FA	GA	HA	MAX CONNECTOR NUMBER			Volume (in³)																
													MAIN	ACCESSORIES	SPACE HEATER																	
143/5T	M5	2.205	3.031	0.5-6mm²	4.291	3.543	3.346	3.858	NPT 3/4	-	-	-	4	16	-	25																
182/4T		2.756	4.213	2-10mm²									6			49																
213/5T			4.055										12			130																
254/6T	M6	4.331	5.512	5.2-25mm²	5.472	4.606	4.606	5.236					2.677	5.157	NPT 3/4	12	26	4	208													
284/6T	M8	4.724	6.102	5.2-35mm²															488													
324/6T	M10	5.906	7.559	25-50mm²															7.795	6.890	6.890	7.441	16	702								
364/5T			7.756		35-70mm²	1165																										
404/5T			8.031			1696																										
444/5T	M10	7.874	10.236	85-120mm²		7.795	6.890	6.890								7.441			-	-	-	-	26	4	3200							
445/7T			10.236		11.811																				50-70mm²	-	-	-	-	26	4	3200
447/9T																																

Note:
Terminal block is optional on NEMA motors.