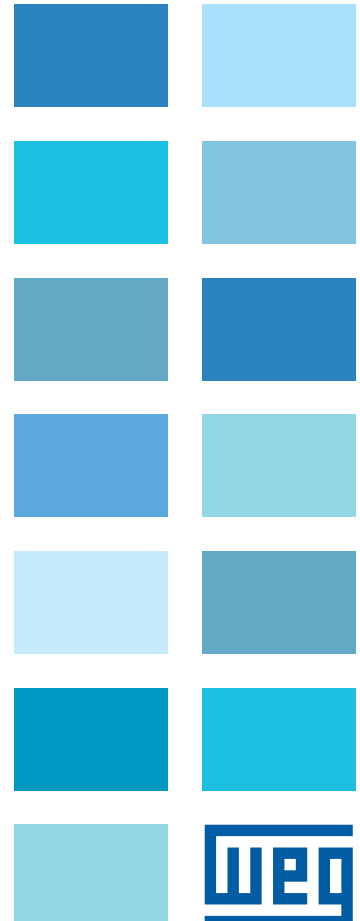
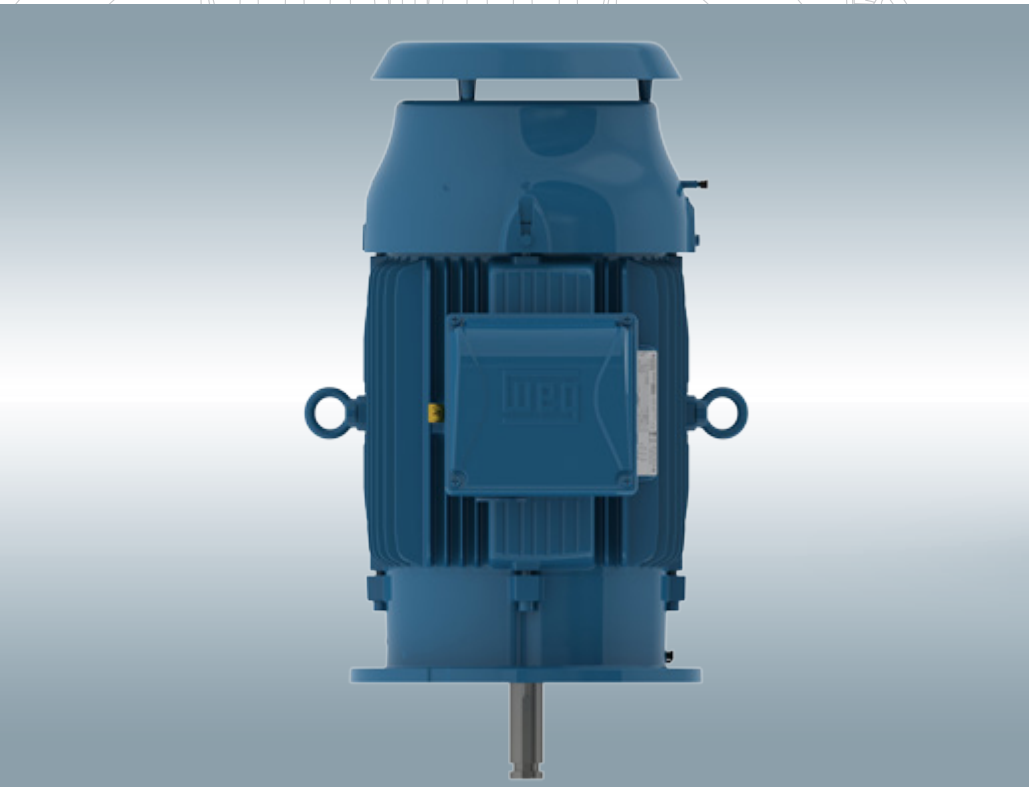
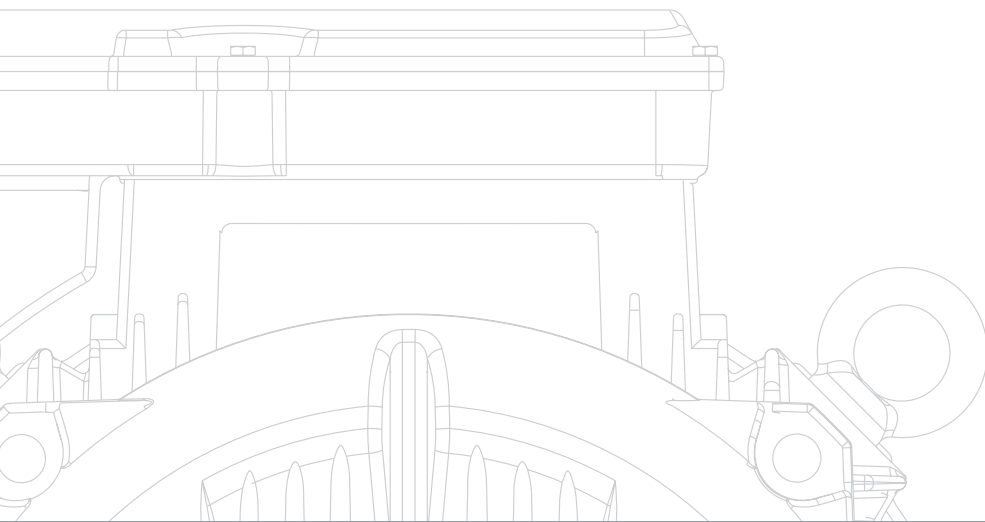
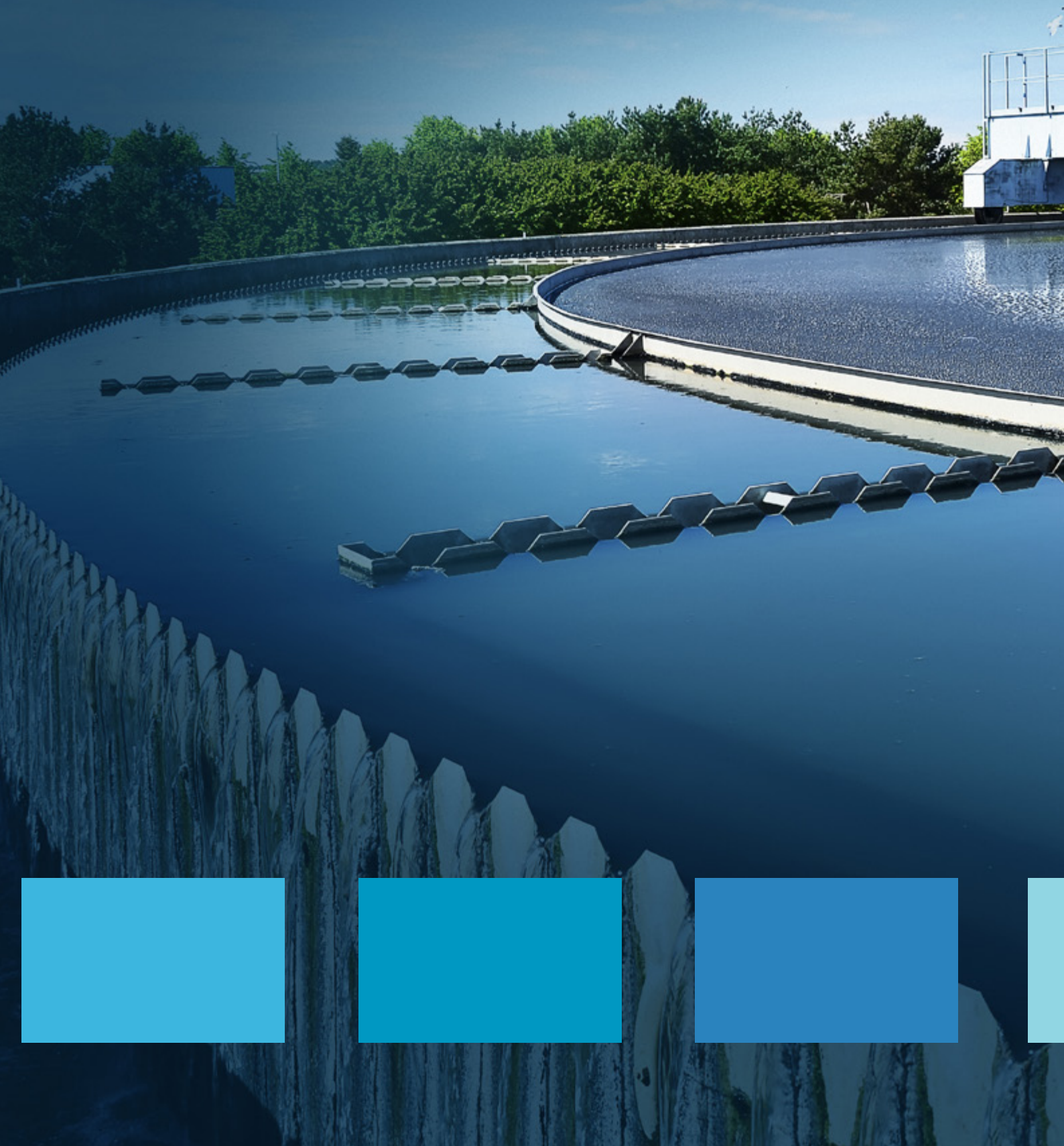


W22 P-Base

Electric Induction Motors



W22 P-Base motors are suitable for dusty or moist environments and provide high starting torque, with high efficient performance.



W22 P-Base Electric Induction Motors

Standard Features

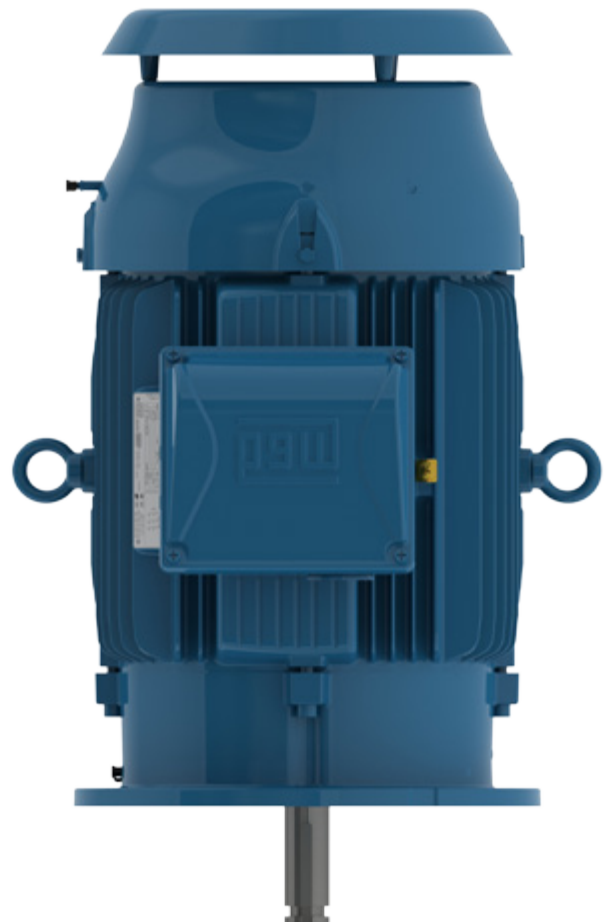
- Rated output: 1 to 150 HP
- Number of poles: 2, 4, 6 and 8
- Frame sizes HP type: 143HP to 444/5HP
HPH type: 284HPH, 286HPH and 404/5HPH
- Frequency: 60 Hz
- Voltage: 208-230/460 V
- Insulation class: F (DT 80K)
- Service factor:
1.25 up to 100HP
1.15 from 125HP and up
- Continuous Duty (S1)
- Degree of protection: IP55
- 104°F (40°C) ambient temperature
- Altitude: 3300 ft (1000 m)
- Efficiency levels: NEMA High and Premium Efficiency
- Color: RAL 5009
- Cooling method: Totally Enclosed Fan Cooled - TEFC
- Mounting: Footless type P flange
- Squirrel cage rotor / Aluminum die cast
- Frame, end-shields and terminal box material: FC 200 cast iron
- Grease nipples for frames 254HP to 444/5HP
- Sealing:
V-ring for frame sizes 143 up to 326
Nitrilic rubber lip seal 364/5 up to 444/5
- Ball bearings
- Stainless steel nameplate
- Drip cover (canopy)

Optional Features

- Other mounting configurations
- Stainless steel shaft
- Accessories terminal box
- Terminal block for motor connection
- Thermal protections: Thermostats, thermistors or RTD's (Pt-100) on windings or bearings
- Class H insulation
- Space heaters
- Cable glands
- Degree of protection IP56

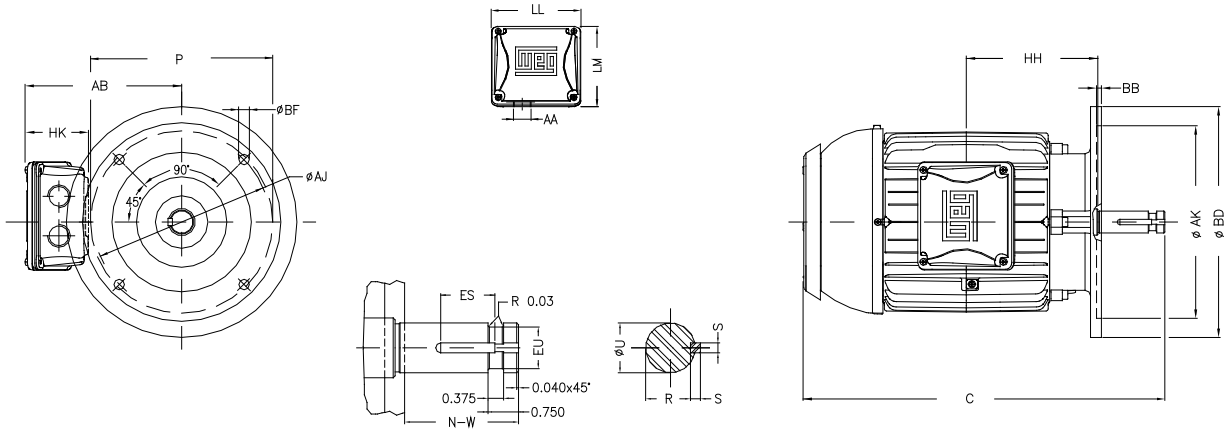
Applications

- Normal thrust in-line pump applications
- Waste water treatment plants
- Petro chemical industries
- Pulp and paper mills
- Agricultural irrigation

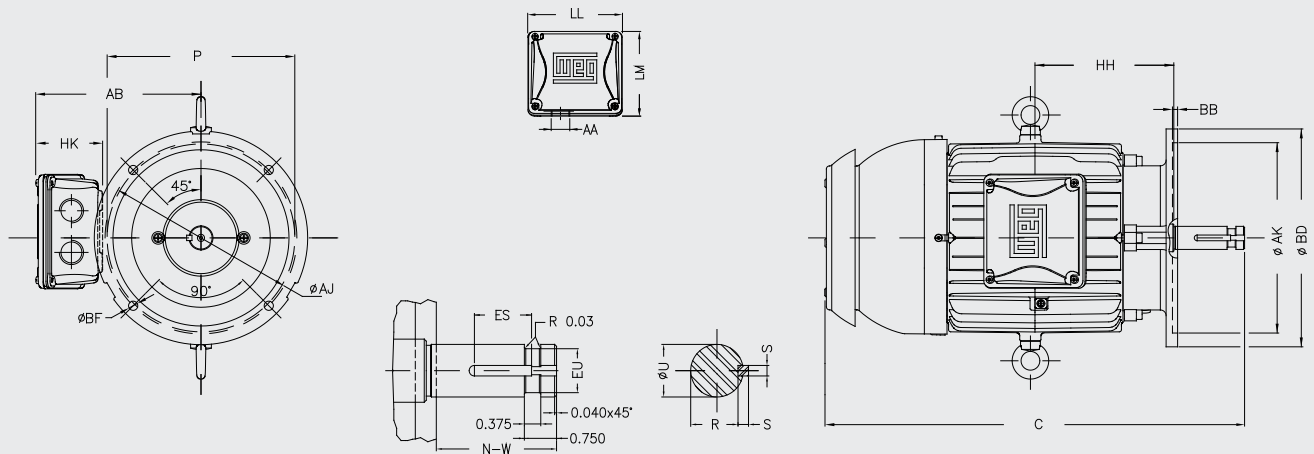


NEMA Mechanical Data (Dimension in Inches)

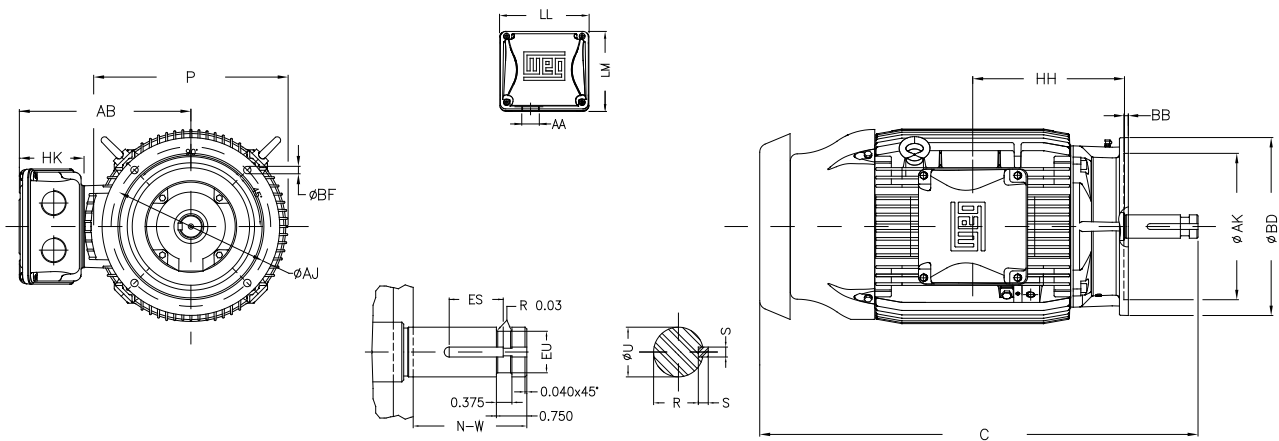
Frames 143/5HP



Frames 182HP up to 326HP



Frames 364HP up to 445HP

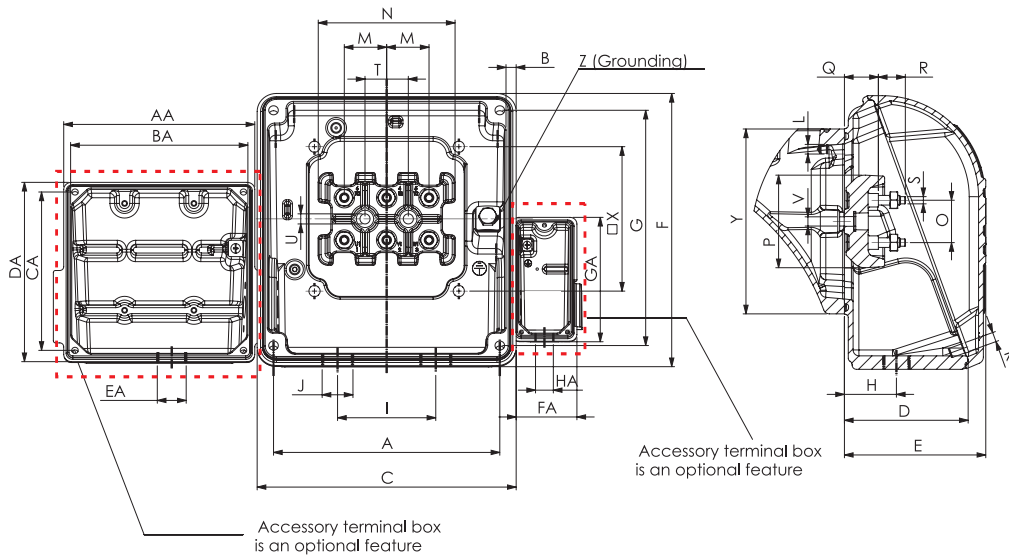


Frame	AB	AK	AJ	BB	BD	BF	Shaft					
							ES	EU	N-W	U	R	S
143HP	6.260	8.250	9.125	0.196	10	0.433	1.25	0.687	2.874	0.875	0.771	0.187
145HP												
182HP	7.565											
184HP												
213HP	8.583											
215HP												
254HP	10.483											
256HP												
284HP	11.073											
284HPH		13.500	14.750	0.250	16.5	0.687	3.15	1.25	4.764	1.625	1.415	0.375
286HP		8.250	9.125	0.196	10	0.433	1.25	0.875	2.953	1.125	0.984	0.250
286HPH		13.500	14.750	0.250	16.5	0.687	3.15	1.25	4.764	1.625	1.415	0.375
324HP												
326HP	12.575											
364/5HP								16.016	4.748	2.125	1.844	0.500
404/5HP												
404/5HPH	1.75											
444/5HP												

Frame	C	HH	HK	P	LL	LM	AA	Bearing	
								DE	NDE
143HP	13.421	4.250	2.638	7.047	4.528	4.094	NPT 3/4"	6307 ZZ	6204 ZZ
145HP	14.397	4.750							
182HP	15.504	5.000	3.150	8.740	5.512	5.236	NPT 1"	6308 ZZ	6206 ZZ
184HP	16.504	5.500							
213HP	18.630	6.250		10.630				6309 C3	6207 ZZ
215HP	20.126	7.000	3.976	12.283	7.815	7.480	NPT 1 1/2"	6311 C3	6209 C3
254HP	23.723	8.376							
256HP	25.455	9.250		14.094				6312 C3	6211 C3
284HP	26.350	9.500							
284HPH	28.100								
286HP	27.845	11.654						6314 C3	6212 C3
286HPH	29.595								
324HP	30.403	10.500	4.705	15.591	9.055	8.661	NPT 2"	6314 C3	6212 C3
326HP	31.897	11.250							
364/5HP	34.830	12.362	6.024	17.794	10.591	11.267	NPT 3"	6316 C3	6314 C3
404/5HP	38.230	13.496							
404/5HPH									
444/5HP	41.350	15.748	5.970	23.583	12.362	12.283	2xNPT 3"	6319 C3	6316 C3



Terminal Box Drawing (Dimension in Inches)



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		4.528	2.283	2.638	4.094	3.583	1.220	1.654	NPT 3/4"	M5 x 0.8	M5 x 0.8	0.630	2.087	0.630	1.378	0.610	0.472	M4 x 0.7	0.787	0.228						
182/4T	4.606	0.276	5.512	2.717	3.150	5.236	4.606	1.417	2.126	NPT 1"	M6 x 1.0	M6 x 1.0	0.906	2.953	0.906	2.047	0.669	0.630	M5 x 0.8	0.906	0.256						
213/5T																											
254/6T	6.890	0.335	7.815	3.386	3.976	7.480	6.890	1.811	3.307	NPT 1 1/2"	M8 x 1.25	M8 x 1.25	1.102	3.543	1.102	2.362	0.846	0.807	M6 x 1.0	1.102	0.260						
284/6T																											
324/6T	8.031	0.374	9.055	3.996	4.705	8.661	8.031	2.205	3.701	NPT 2"			1.378	4.409	1.378	2.913	0.945	0.945	M8 x 1.25	1.378	0.374						
364/5T	9.252	0.492	10.591	5.000	6.024	11.267	10.236	2.677	4.331	NPT 3"	M10 x 1.5	M10 x 1.5	1.732	5.512	1.732	3.701	1.280	1.102	M10 x 1.5	1.772	0.413						
404/5T																											
444/5T	10.827	0.531	12.362	5.118	5.970	12.283	10.827	4.961	2xNPT 3"	M12 x 1.75	M12 x 1.75	1.772	6.024	1.772	4.252	1.398	1.575	M12 x 1.75	2.559	8.268	2.559	5.748	2.008	1.772	M16 x 2.0	2.559	
445/7T																											
447/9T	13.386	0.571	14.921	6.142	6.929	15.039	13.583	3.228	6.299	2xNPT 3"	M12 x 1.75	M12 x 1.75	1.772	6.024	1.772	4.252	1.398	1.575	M12 x 1.75	2.559	8.268	2.559	5.748	2.008	1.772	M16 x 2.0	2.559
504/5T																											
L447/9T	14.370		15.906	7.697	8.661	17.165	15.354	3.819	7.874	2xNPT 4"	M10 x 1.5	M14 x 2.0	2.559	8.268	2.559	5.748	2.008	1.772	M16 x 2.0	2.559	8.268	2.559	5.748	2.008	1.772	M20 x 2.5	-
586/7T																											
588/9T	16.339	-	18.110	9.843	11.417	21.417	18.898	5.000	6.299	2xNPT 4"	M10 x 1.5		3.150	-	4.134	-	-	-	-	M20 x 2.5	-	-					

Frames	V	X	Y	Z	AA	BA	CA	DA	EA	FA	GA	HA	Max connector number			Volume (in ³)
													Main	Accessories	Space heater	
143/5T		2.205	3.031	0.5-6 mm ²									4			25
182/4T	M5 x 0.8	2.756	4.213	2-10 mm ²	4.272	3.543	3.346	3.780					6	16		50
213/5T																
254/6T	M6 x 1.0	4.331	5.669	5.2-25 mm ²	5.453	4.606	4.606	5.118	NPT 3/4"	2.657	4.016	NPT 3/4"	12	26	4	135
284/6T			5.512	5.2-35 mm ²												210
324/6T	M8 x 1.25	4.724	6.102	5.2-35 mm ²												460
364/5T																592
404/5T	M10 x 1.5	5.906	7.559	25-50 mm ²												1100
444/5T																
445/7T	M10 x 1.5	7.874	10.236	35-70 mm ²	7.795	6.890	6.890	7.382			5.236		16			1696
447/9T																
504/5T																
L447/9T		10.236	12.008	85-120 mm ²												3300
586/7T				50-70 mm ²												
588/9T	-	11.417														

Note: terminal block is optional on NEMA motors.

WEG Worldwide Operations

ARGENTINA

San Francisco - Cordoba
Phone: +54 3564 421484
info-ar@weg.net

Cordoba - Cordoba
Phone: +54 351 4641366
weg-morbe@weg.com.ar

Buenos Aires
Phone: +54 11 42998000
ventas@pulverlux.com.ar

AUSTRALIA

Scoresby - Victoria
Phone: +61 3 97654600
info-au@weg.net

AUSTRIA

Markt Piesting - Wiener
Neustadt-Land
Phone: +43 2633 4040
watt@wattdrive.com

BELGIUM

Nivelles - Belgium
Phone: +32 67 888420
info-be@weg.net

BRAZIL

Jaraguá do Sul - Santa Catarina
Phone: +55 47 32764000
info-br@weg.net

CHILE

La Reina - Santiago
Phone: +56 2 27848900
info-cl@weg.net

CHINA

Nantong - Jiangsu
Phone: +86 513 85989333
info-cn@weg.net

Changzhou - Jiangsu
Phone: +86 519 88067692
info-cn@weg.net

COLOMBIA

San Cayetano - Bogota
Phone: +57 1 4160166
info-co@weg.net

ECUADOR

El Batan - Quito
Phone: +593 2 5144339
ceccato@weg.net

FRANCE

Saint-Quentin-Fallavier - Isère
Phone: +33 4 74991135
info-fr@weg.net

GERMANY

Türnich - Kerpen
Phone: +49 2237 92910
info-de@weg.net

Balingen - Baden-Württemberg
Phone: +49 7433 90410
info@weg-antriebe.de

Homburg (Efze) - Hesse
Phone: +49 5681 99520
info@akh-antriebstechnik.de

GHANA

Accra
Phone: +233 30 2766490
info@zestghana.com.gh

INDIA

Bangalore - Karnataka
Phone: +91 80 41282007
info-in@weg.net

Hosur - Tamil Nadu
Phone: +91 4344 301577
info-in@weg.net

ITALY

Cinisello Balsamo - Milano
Phone: +39 2 61293535
info-it@weg.net

JAPAN

Yokohama - Kanagawa
Phone: +81 45 5503030
info-jp@weg.net

MALAYSIA

Shah Alam - Selangor
Phone: +60 3 78591626
info@wattdrive.com.my

MEXICO

Huehuetoca - Mexico
Phone: +52 55 53214275
info-mx@weg.net

Tizayuca - Hidalgo
Phone: +52 77 97963790

NETHERLANDS

Oldenzaal - Overijssel
Phone: +31 541 571080
info-nl@weg.net

PERU

La Victoria - Lima
Phone: +51 1 2097600
info-pe@weg.net

PORTUGAL

Maia - Porto
Phone: +351 22 9477700
info-pt@weg.net

RUSSIA and CIS

Saint Petersburg
Phone: +7 812 363 2172
sales-wes@weg.net

SOUTH AFRICA

Johannesburg
Phone: +27 11 7236000
info@zest.co.za

SPAIN

Coslada - Madrid
Phone: +34 91 6553008
wegiberia@wegiberia.es

SINGAPORE

Singapore
Phone: +65 68589081
info-sg@weg.net

Singapore
Phone: +65 68622220
watteuro@watteuro.com.sg

SCANDINAVIA

Mölnlycke - Sweden
Phone: +46 31 888000
info-se@weg.net

UK

Redditch - Worcestershire
Phone: +44 1527 513800
info-uk@weg.net

UNITED ARAB EMIRATES

Jebel Ali - Dubai
Phone: +971 4 8130800
info-ae@weg.net

USA

Duluth - Georgia
Phone: +1 678 2492000
info-us@weg.net

Minneapolis - Minnesota
Phone: +1 612 3788000

VENEZUELA

Valencia - Carabobo
Phone: +58 241 8210582
info-ve@weg.net

For those countries where there is not a WEG own operation, find our local distributor at www.weg.net.



WEG Group - Motors Business Unit
Jaraguá do Sul - SC - Brazil
Phone: +55 47 3276 4000
motores@weg.net
www.weg.net

