

# Modification - Washdown Duty Motors

## Washdown Duty - TEFC

- Epoxy paint Epoxylite 7001
- Permatex (Loctite Gasket Sealant # 3) sealant on all relevant joints
- Loctite (Blue) 587 on the bearing cap bolt threads and under the bolt head
- Enlarged WEG shaft seal for non flanged motors
- WEG lead separator

The VJP Washdown is intended to increase the WEG motor's protection in a washdown/ hosedown environment, where the motor(s) will be hosed down and cleaned after a normal shift. This enhanced product is designed for a normal daily shift operation and not for an intermittent duty and/or long periods of the motor being idle. In this case Space Heaters will be required



Frame	56	140	180	210	250	280	320	360	400	440	500	580
P/N	M56	M140	M180	M210	M250	M280	M320	M360	M400	M440	M500	M580
List Price	\$158	\$225	\$225	\$248	\$270	\$278	\$368	\$525	\$525	POA	POA	POA
List Price - C Flange	\$203	\$300	\$315	\$353	\$390	\$413	\$518	\$525	\$525	POA	POA	POA

## Washdown Duty - Explosion Proof Motors

- Epoxy paint Epoxylite 7001
- Lumomoly sealant on all relevant joints
- Recertification
- Enlarged WEG shaft seal for non flanged motors above 56 Frame
- Sealed bearings 2RS type frame size 56 to 326T (if not standard, as required)
- Frame 364/5T and up are re greaseable

The VJP Washdown is intended to increase the WEG motor's protection in a washdown/ hosedown environment, where the motor(s) will be hosed down and cleaned after a normal shift. This enhanced product is designed for a normal daily shift operation and not for an intermittent duty and/or long periods of the motor being idle. In this case Space Heaters will be required



Frame	56	140	180	210	250	280	320	360	400	440	500	580
P/N	M56	M140	M180	M210	M250	M280	M320	M360	M400	M440	M500	M580
List Price	\$308	\$375	\$375	\$398	\$420	\$428	\$518	\$600	\$600	POA	POA	POA

# Local Modifications

Modification	List Price by Frame											
	56	140	180	210	250	280	320	360	400	440	500	580
Auxiliary terminal box	•	\$150.00	\$150.00	\$150.00	\$150.00	\$150.00	\$150.00	\$187.50	\$187.50	\$187.50	\$187.50	\$187.50
Bearing change - Ball to roller bearing	•	•	•	•	\$540.00	\$621.00	\$660.00	•	\$855.00	\$1,078.50	\$1,078.50	\$1,632.00
Bearing change - Roller to ball bearing	•	•	•	•	•	•	•	P.O.A.	P.O.A.	P.O.A.	P.O.A.	P.O.A.
Blower - Single phase forced ventilation kit	•	\$750.00	\$825.00	\$900.00	\$975.00	\$1,050.00	\$1,125.00	\$1,125.00	\$1,200.00	P.O.A.	P.O.A.	\$-
Blower with encoder	•	\$1,875.00	\$1,950.00	\$2,025.00	\$2,137.50	\$2,212.50	\$2,287.50	\$2,400.00	\$2,400.00	P.O.A.	P.O.A.	P.O.A.
Corrosion protected stator (internal) and rotor with epoxy paint	\$225.00	\$225.00	\$225.00	\$225.00	\$262.50	\$262.50	\$262.50	P.O.A.	•	•	•	•
Drilling and Tapping	P.O.A.	\$105.00	\$105.00	\$105.00	\$180.00	\$225.00	\$285.00	•	•	•	•	•
Drip Cover	\$82.50	\$112.50	\$120.00	\$157.50	\$165.00	\$187.50	\$225.00	\$285.00	\$285.00	\$472.50	\$472.50	P.O.A.
Double Shaft - TEFC	\$390.00	\$435.00	\$487.50	\$682.50	\$907.50	\$1,035.00	\$1,515.00	\$1,920.00	\$2,820.00	\$3,825.00	P.O.A.	P.O.A.
Double Shaft - XP	\$435.00	\$475.50	\$547.50	\$772.50	\$1,005.00	\$1,132.50	\$1,612.50	\$2,017.50	\$2,917.50	\$3,922.50	P.O.A.	P.O.A.
Encoder	•	\$1,311.00	\$1,311.00	\$1,395.00	\$1,471.50	\$1,545.00	\$1,672.50	\$1,848.00	\$1,869.00	\$2,002.50	\$2,002.50	P.O.A.
F2 Mount - TEFC (3 Phase motors)	•	\$75.00	\$75.00	\$75.00	\$90.00	\$90.00	\$90.00	\$150.00	\$180.00	\$225.00	\$75.00	\$75.00
F2 Mount - XP (3 Phase motors)	•	\$165.00	\$165.00	\$165.00	\$180.00	\$180.00	\$180.00	\$240.00	\$330.00	\$375.00	•	•
F3 Mount - TEFC (3 Phase motors)	•	•	•	•	\$640.00	\$800.00	\$960.00	\$1,040.00	\$1,120.00	\$1,200.00	•	•
Low Temp. Grease	\$225.00	\$262.50	\$262.50	\$300.00	\$300.00	\$300.00	\$300.00	\$300.00	\$300.00	\$375.00	\$375.00	\$375.00
HP/HPH Shaft	•	\$480.00	\$547.50	\$735.00	\$1,035.00	\$1,192.50	\$1,944.00	P.O.A.	P.O.A.	P.O.A.	•	•
JM Shaft	•	\$442.50	\$502.50	\$705.00	\$877.50	\$1,012.50	\$1,728.00	\$2,392.50	P.O.A.	•	•	•
JM Shaft - XP	•	•	\$652.50	\$855.00	\$1,027.50	\$1,162.50	\$1,878.00	\$2,542.50	P.O.A.	•	•	•
JP Shaft	•	\$465.00	\$532.50	\$729.00	\$915.00	\$1,012.50	\$1,713.00	\$2,373.00	P.O.A.	P.O.A.	•	•
New Standard drive shaft - TEFC	\$315.00	\$322.50	\$354.00	\$519.00	\$693.00	\$817.50	\$1,320.00	\$1,485.00	\$1,914.00	P.O.A.	P.O.A.	P.O.A.
New Standard drive shaft - XP	\$360.00	\$367.50	\$412.50	\$607.50	\$795.00	\$915.00	\$1,417.50	P.O.A.	\$2,017.50	P.O.A.	P.O.A.	P.O.A.
Relocation of drain holes	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00	\$165.00	\$165.00	\$165.00	\$165.00	\$390.00

# Local Modifications

Modification	List Price by Frame											
	56	140	180	210	250	280	320	360	400	440	500	580
Re-rate and/or new nameplate installed	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00
Round Body - ODP or TEFC	\$75.00	\$75.00	\$75.00	\$112.50	\$135.00	\$135.00	\$150.00	\$180.00	P.O.A.	P.O.A.	P.O.A.	P.O.A.
RTD's - Bearings	•	•	•	•	•	•	•	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00
RTD's - Windings	•	•	•	•	\$825.00	\$825.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00
Shaft Grounding Ring	•	\$224.00	\$224.00	\$249.60	\$249.60	\$272.00	\$288.00	\$400.00	\$400.00	\$560.00	\$560.00	\$560.00
Shaft Grounding Brush	•	\$288.00	\$288.00	\$288.00	\$288.00	\$288.00	\$288.00	\$288.00	\$288.00	\$288.00	\$288.00	\$288.00
Short shaft	•	\$210.00	\$240.00	\$345.00	\$513.00	\$589.50	\$600.00	\$732.00	\$825.00	\$960.00	\$1,305.00	\$1,582.50
Space Heaters - 120V / 220V	\$180.00	\$195.00	\$217.50	\$240.00	\$262.50	\$285.00	\$307.50	\$412.50	\$412.50	\$487.50	\$600.00	#VALUE!
Special Balancing	•	\$306.00	\$306.00	\$306.00	\$370.50	\$370.50	\$549.00	\$615.00	\$678.00	\$840.00	\$907.50	P.O.A.
Special Colour	P.O.A.	P.O.A.	P.O.A.	P.O.A.	P.O.A.	P.O.A.	P.O.A.	P.O.A.	P.O.A.	P.O.A.	P.O.A.	P.O.A.
Stub Shaft for encoder extending from the fan cover	•	\$147.00	\$304.50	\$399.00	\$442.50	\$472.50	\$526.50	\$748.50	\$817.50	#VALUE!	P.O.A.	P.O.A.
Thermistors	•	\$150.00	\$172.50	\$195.00	\$217.50	\$240.00	\$262.50	\$262.50	\$262.50	\$262.50	\$262.50	\$262.50
Thermostats	•	P.O.A.	P.O.A.	\$300.00	\$330.00	\$352.50	\$375.00	\$375.00	\$450.00	\$450.00	\$525.00	\$675.00
Terminal Block - Main T-Box	\$150.00	\$150.00	\$150.00	\$150.00	\$187.50	\$187.50	\$225.00	\$337.50	\$337.50	\$412.50	\$412.50	P.O.A.

# Loose Parts

NEMA Frame	List Price by NEMA Frame / Equivalent IEC Frame																
	IEC Frame	63	71	80	56	143/5	182/4	213/5	254/6	284/6	324/6	364/5	404/5	444/5/7	449	504/5	586/7
'C' Flange - ODP	•	•	•	\$40	\$75	\$80	\$95	\$157	\$193	\$233	\$502	\$502	\$785	•	•	•	•
'D' Flange - ODP	•	•	•	•	•	•	•	\$184	\$238	\$278	\$632	\$632	\$817	•	•	•	•
'C' Flange - W22 TEFC	•	•	•	•	\$74	\$100	\$110	\$185	\$227	\$274	\$591	\$591	\$924	\$1,296	\$1,182	\$2,386	\$2,386
'D' Flange - W22 TEFC	•	•	•	•	\$84	\$110	\$120	\$216	\$280	\$327	\$744	\$744	\$961	\$1,359	\$1,198	\$2,565	\$2,565
'C' Flange - TEFC	•	•	•	\$40	\$74	\$84	\$95	\$185	\$227	\$274	\$591	\$591	\$924	\$1,296	\$1,182	\$2,386	•
'D' Flange - TEFC	•	•	•	•	\$84	\$110	\$120	\$216	\$280	\$327	\$744	\$744	\$961	\$1,359	\$1,198	\$2,565	•
'C' Flange W22- IEEE 841-2009 Taconite Seal	•	•	•	•	\$180	\$240	\$250	\$300	\$320	\$340	\$692	\$692	\$1,064	\$1,296	\$1,224	\$2,451	\$2,451
'D' Flange W22- IEEE 841-2009 Taconite Seal	•	•	•	•	\$198	\$264	\$278	\$320	\$340	\$374	\$761	\$761	\$1,170	\$1,359	\$1,346	\$2,696	\$2,696
'C' Flange W22- IEEE 841-2009 Inpro Seal	•	•	•	•	\$310	\$350	\$376	\$389	\$410	\$520	\$869	\$889	\$1,354	\$1,563	POA	POA	POA
D' Flange W22- IEEE 841-2009 Inpro Seal	•	•	•	•	\$335	\$396	\$420	\$434	\$532	\$642	\$956	\$995	\$1,489	POA	POA	POA	POA
'C' Flange - Explosion Proof	•	•	•	\$80	\$158	\$222	\$330	\$433	\$475	\$581	\$1,087	\$1,087	\$1,678	\$2,181	\$2,174	\$3,066	•
'D' Flange - Explosion Proof	•	•	•	•	\$253	\$269	\$362	\$473	\$559	\$686	\$1,362	\$1,362	\$1,752	\$2,278	\$2,196	\$3,165	•
'B14' Flange (C) - Metric	50	55	81	•	\$84	\$95	\$106	\$201	\$243	\$296	\$591	\$591	\$924	•	\$1,182	\$2,386	•
'B5" Flange (D) - Metric	70	75	90	•	\$95	\$100	\$111	\$232	\$306	\$359	\$823	\$854	\$954	•	\$1,198	\$2,565	•
P Base Flange W21/ W22	•	•	•	•	\$140	\$150	\$160	\$240	\$280	\$380	\$662	\$662	POA	•	•	•	•
Endshields - Drive End TEFC	\$37	\$39	\$41	\$27	\$54	\$64	\$84	\$120	\$139	\$209	\$273	\$273	\$407	\$488	\$407	\$1,228	•
Endshields - Non-Drive End TEFC	\$37	\$39	\$41	\$27	\$64	\$84	\$129	\$152	\$169	\$274	\$340	\$340	\$492	\$590	\$492	\$1,564	•
Endshields - Drive End ODP	•	•	•	\$24	\$31	\$46	\$76	\$108	\$125	\$188	\$246	\$246	\$366	•	•	•	•
Endshields - Non-Drive End ODP	•	•	•	\$24	\$31	\$76	\$116	\$137	\$152	\$247	\$306	\$306	\$443	•	•	•	•
Endshields Non Drive End EXP W21	•	•	•	•	\$65	\$71	\$178	\$210	\$230	\$278	\$378	\$454	\$454	\$563	POA	POA	POA
Fan - Plastic	\$23	\$23	\$23	\$20	\$23	\$26	\$32	\$65	\$76	\$165	\$226	\$226	\$370	\$478	\$370	•	•
Fan - Metal	POA	POA	POA	•	\$48	\$70	\$80	\$122	\$132	\$188	\$283	\$283	\$462	\$598	\$462	\$894	\$894
Fan - Bronze	•	•	•	•	\$72	\$112	\$116	\$236	\$254	\$294	\$336	\$336	\$384	\$596	\$384	\$665	\$665

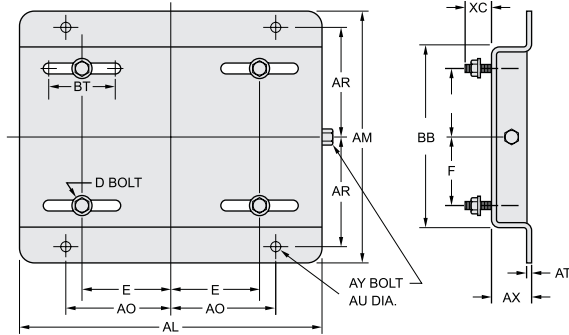


# Loose Parts

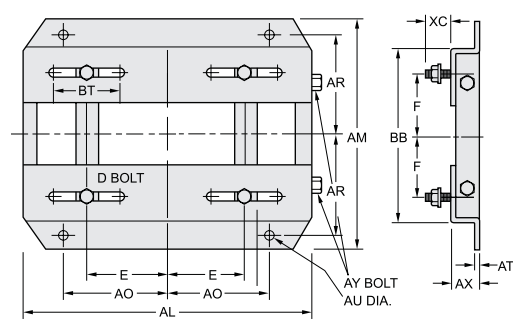
NEMA Frame	List Price by NEMA Frame / Equivalent IEC Frame																	
	IEC Frame	63	71	80	56	143/5	182/4	213/5	254/6	284/6	324/6	364/5	404/5	444/5/7	449	504/5	586/7	588/9
Fan Cover		\$35	\$35	\$35	\$32	\$40	\$49	\$66	\$112	\$150	\$194	\$264	\$382	\$627	\$784	\$627	\$1,490	\$1,490
Fan Cover - W22		•	39	•	\$32	\$40	\$49	\$66	\$112	\$150	\$194	\$264	\$382	\$627	\$784	\$627	\$1,490	\$1,490
Fan Cover - Explosion Proof		•	•	•	\$30	\$50	\$61	\$83	\$139	\$188	\$243	\$329	\$478	\$784	\$1,421	\$784	\$1,863	•
Terminal Box - TEFC		\$48	\$48	\$48	\$27	\$51	\$68	\$68	\$103	\$103	\$152	\$215	\$215	\$340	\$488	\$407	\$1,026	•
Terminal Box - W22		•	\$51	•	\$27	\$51	\$68	\$68	\$103	\$103	\$152	\$215	\$215	\$340	\$488	\$587	\$1,026	\$1,026
Terminal Box Part B Bracket (only W22)		•	•	•	•	•	•	•	•	•	•	\$554	\$554	\$554	\$691	\$691	\$854	\$969
Terminal Box W21 EXP		•	•	•	80	\$72	\$84	\$84	\$162	\$192	\$293	\$378	\$425	\$475	POA	POA	\$1,790	•
Terminal Box - ODP		•	•	•	•	\$46	\$61	\$61	\$93	\$93	\$137	\$194	\$194	\$306	•	•	•	•
Terminal Box - Explosion Proof		•	•	•	\$70	\$72	\$93	\$117	\$164	\$192	\$293	\$378	\$425	\$425	\$563	\$1,560	\$1,790	•
Bearing Cap Kit IP55		•	•	•	•	\$42	\$42	\$42	\$98	\$106	\$442	\$442	\$442	\$442	\$496	\$442	\$580	\$580
Bearing Cap Kit IP56 (Oil Seal)		•	•	•	•	•	•	•	•	•	•	\$469	\$489	\$545	\$598	\$545	\$598	POA
Bearing Cap Kit IP65 (Taconote seal)		•	•	•	•	•	•	•	•	•	•	\$549	\$569	\$625	\$669	\$625	\$669	POA
Bearing Cap Kit IP66 (W3 seal)		•	•	•	•	•	•	•	•	•	•	\$569	\$589	\$645	\$725	\$645	\$725	POA
Bearing Cap Kit IP65 (Inpro Seal)		•	•	•	•	•	•	•	•	•	•	\$625	\$639	\$745	\$849	\$745	\$849	POA
Centrifugal Switch		POA	POA	POA	\$26	\$26	\$26	\$26	•	•	•	•	•	•	•	•	•	•
Stationary Switch		POA	POA	POA	\$26	\$26	\$37	\$37	•	•	•	•	•	•	•	•	•	•
Drip Cover		\$40	\$40	\$40	\$40	\$60	\$75	\$80	\$90	\$130	\$150	\$280	\$280	\$320	\$426	\$320	\$560	\$560
Thermistor Relay		\$170	\$170	\$170	\$170	\$170	\$170	\$170	\$170	\$170	\$170	\$170	\$170	\$170	\$170	\$170	\$170	\$170
Saw Arbor Drive End		•	•	\$60	•	\$70	•	•	•	•	•	•	•	•	•	•	•	•
Saw Arbor Non Drive End		•	•	\$90	•	\$100	•	•	•	•	•	•	•	•	•	•	•	•
Saw Arbor Plates		•	•	\$225	•	\$225	•	•	•	•	•	•	•	•	•	•	•	•
Saw Arbor Fan Cover		•	•	\$38	•	\$46	•	•	•	•	•	•	•	•	•	•	•	•

# Motor Bases

## Adjustable Motor Bases - NEMA 56 - 587T Frames



**NEMA 56 - 215T**



**NEMA 213T - 447T**

NEMA Frame	List Price	Part Number	AL	AM	AX	BB	E	F	AO	AR	AU	BT	AT	XC	D Bolt	AY Bolt	Shipping Weight
143T	\$82	SB143DAB	10.500	7.500	1.125	5.500	2.750	2.000	3.750	3.375	0.375	3.000	0.119	0.813	5/15 x 1	3/8 x 4	5
145T	82	SB145DAB	10.500	8.500	1.125	6.500	2.750	2.500	3.750	3.875	0.375	3.000	0.199	0.813	5/15 x 1	3/8 x 4	6
182T	114	SB182DAB	12.750	9.500	1.500	6.500	3.750	2.250	4.500	4.250	0.500	3.000	0.134	1.500	3/8 x 1 3/4	1/2 x 5	9
184T	114	SB184DAB	12.750	10.500	1.500	7.500	3.750	2.750	4.500	4.750	0.500	3.000	0.134	1.500	3/8 x 1 3/4	1/2 x 5	9
213T	126	SB213DAB	15.000	11.000	1.750	7.500	4.250	2.750	5.250	4.750	0.500	3.500	0.164	1.500	3/8 x 1 3/4	1/2 x 5	13
215T	126	SB215DAB	15.000	12.500	1.750	9.000	4.250	3.500	5.250	5.500	0.500	3.500	0.164	1.500	3/8 x 1 3/4	1/2 x 5	15
254T	128	SB254DAB	17.750	15.125	2.000	10.750	5.000	4.125	6.250	6.625	0.625	4.000	0.188	1.438	1/2 x 1 3/4	5/8 x 6	17
256T	128	SB256DAB	17.750	16.875	2.000	12.500	5.000	5.000	6.250	7.500	0.625	4.000	0.188	1.438	1/2 x 1 3/4	5/8 x 6	18
284T	140	SB284DAB	19.750	16.875	2.000	12.500	5.250	4.750	7.000	7.500	0.625	4.500	0.188	1.688	1/2 x 2	5/8 x 6	21
286T	140	SB286DAB	19.750	18.375	2.000	14.000	5.250	5.500	7.000	8.250	0.625	4.500	0.188	1.688	1/2 x 2	5/8 x 6	22
324T	184	SB324DAB	22.750	19.250	2.500	14.000	6.250	5.250	8.000	8.500	0.750	5.250	0.188	2.188	5/8 x 2 1/2	3/4 x 9	31
326T	184	SB326DAB	22.750	20.750	2.500	15.500	6.250	6.000	8.000	9.250	0.750	5.250	0.188	2.188	5/8 x 2 1/2	3/4 x 9	32
364T	264	SB364DAB	25.500	20.500	2.500	15.500	7.000	5.625	9.000	9.125	0.750	6.000	0.250	2.063	5/8 x 2 1/2	3/4 x 9	44
365T	264	SB365DAB	25.500	21.500	2.500	16.500	7.000	6.125	9.000	9.625	0.750	6.000	0.250	2.063	5/8 x 2 1/2	3/4 x 9	45
404T	328	SB404DAB	28.750	22.375	3.000	16.500	8.000	6.125	10.000	9.875	0.875	7.000	0.250	2.500	3/4 x 3	3/4 x 11	60
405T	328	SB405DAB	28.750	23.875	3.000	18.000	8.000	6.875	10.000	10.625	0.875	7.000	0.250	2.500	3/4 x 3	3/4 x 11	61
444T	604	SB444DAB	31.250	24.625	3.000	19.250	9.000	7.250	11.000	11.000	0.875	7.500	0.250	2.500	3/4 x 3	3/4 x 11	68
445T	604	SB445DAB	31.250	26.625	3.000	21.250	9.000	8.250	11.000	12.000	0.875	7.500	0.250	2.500	3/4 x 3	3/4 x 11	73
447T	688	SB447DAB	31.250	30.125	3.000	24.750	9.000	10.000	11.000	13.750	0.875	7.500	0.313	2.500	3/4 x 3	3/4 x 14	89
449T	688	SB449DAB	31.250	35.125	3.000	29.750	9.000	12.500	11.000	16.250	0.875	7.500	0.313	2.500	3/4 x 3	3/4 x 14	95
504T	1,044	SB504DAB	35.000	28.000	3.500	20.750	10.000	8.000	12.500	12.500	1.000	8.000	0.313	3.000	7/8 x 3 1/2	7/8 x 16	132
505T	1,044	SB505DAB	35.000	30.000	3.500	22.750	10.000	9.000	12.500	13.500	1.000	8.000	0.313	3.000	7/8 x 3 1/2	7/8 x 16	135
586T	1,194	SB586DAB															
587T	1,194	SB587DAB															

586/7T sizes available on request

## Transition Bases

NEMA Frame	converts to	U Number	List Price	Part Number	Shipping Weight	Height	Width	Length	Thread
143T/145T		182/184	\$46	TR1814TT	2	1.000	2.250	7.500	5/16 - 18
182T/184T		213/215	52	TR2118TT	3	0.750	1.750	9.500	3/8 - 16
213T/215T		254U/256U	58	TR25U21T	5	1.000	2.438	12.750	3/8 - 16
254T/256T		284U/286U	74	TR28U25T	8	0.750	2.750	14.250	1/2 - 13
284T/286T		324U/326U	108	TR32U28T	10	1.000	3.250	15.750	1/2 - 13
324T/326T		364U/365U	128	TR36U32T	13	1.000	3.688	16.500	5/8 - 11
364T/365T		404U/405U	142	TR40U36T	22	1.000	4.250	18.625	5/8 - 11
404T/405T		444U/445U	182	TR44U40T	24	1.000	4.250	21.625	3/4 - 10