



WARRANTY POLICY

No-Fault Warranty

Motors with frame sizes 215T and smaller are covered under a “No-Fault Warranty”. This warranty claim is offered one time, per end-user, per application. If there is more than one failure, please contact the Service Department for review. The following must be sent to the WEG Service Department to process a “No-Fault” warranty claim.

- Original nameplate from the failed motor
- Copy of the original WEG invoice or invoice # for the failed motor
- Brief description of the failure for quality control purposes

NOTE: Please make a legible photocopy of the nameplate to keep for your records.

Larger Motors

WEG Electric requires that motors larger than 215T frame be taken to a WEG Authorized Service Center for inspection. In cases where an Authorized Service Center isn't available, the motor should be taken to an EASA-affiliated service shop. Depending on the findings of the inspection, WEG will decide whether or not to cover the motor under warranty.

Prior to a decision being made on a claim for warranty, the following are required from the service shop and customer:

- Completed EASA inspection report
- Repair Quote
- Copy of the original WEG Invoice or WEG Invoice Number
- For 50HP and above, photos of the failure in JPEG format suitable for e-mailing

The inclusion of photos allows WEG to properly evaluate the details of your claim, as well as to ensure that any data sent to our factory Quality Control engineers are fully understood. The warranty claim will be evaluated after receipt of the above items. Upon review of the claim, the WEG Service Department will make contact and advise how to proceed. The service shop should not remove the nameplate nor make repairs without being requested to do so by a WEG Service Department representative.

NOTE: For all Ingersoll-Rand motors, please contact the WEG Service Department prior to any inspection.

Limited Warranty:

WEG Electric Corp is proud of all of its product lines. WEG and its employees are committed to our customers and users to provide the best designed and manufactured motors, drives and controls. WEG will provide a limited warranty policy against defects in the materials and workmanship of our products.

Warranty Period:

- The standard warranty for WEG products shall be 18 months from the invoice date.
- For General Purpose TEFC and ODP Premium Efficiency motors the warranty shall be 36 months from the invoice date.
- For IEEE 841 motors the warranty shall be 60 months from the invoice date.
- Custom motors shall be warranted 24 months from the date code

RETURN POLICY

WEG products that are purchased from our stocking warehouses must be returned within 90 days, freight to be paid by customer. Returned products must be unused, and in undamaged original packaging. If products are ordered incorrectly by the customer and need to be returned to stock, then a 20% re-stocking charge will be applied. If an order of equal or greater amount is placed at the time of the return, then the fee will be reduced to 10%.

No Fault Warranty Procedure:

WEG offers a “No Fault Warranty” on Shark line motors and all motors up to and including 215 frame. “No Fault Warranty” is offered one time, per end-user, per application. “No Fault Warranty” claims will require the nameplate off the motor, a brief description of the failure and a copy of the WEG invoice. (For Shark motor claims, include the terminal box cover, a brief description of the failure and a copy of the WEG invoice). If there is more than one failure, please contact the Service Department for review. No EASA inspection report is required for “No Fault Warranty Claims”.

Standard Warranty Procedure:

For motors above 215 Frame the following procedure applies. Correspondence may be provided via e-mail, fax, or regular mail. Motor is to be inspected by a WEG Authorized Service Center, or, if none is available, an EASA-affiliated service shop. For motors above 50 HP pictures are required. Provide a copy of the original WEG sales invoice. If a warranty is granted, the motor nameplate, removed from the motor, will need to be mailed to the WEG Service Department.

Authorized Service Centers:

WEG has service centers around the world to service the needs of our customers. Information regarding the nearest service center can be located by calling 1-800-ASK-4WEG (1-800-275-4934) or on our web site at www.wegelectric.com. Any warranty motor repair by a service shop must be pre-approved by WEG.

Warranty Service:

If in the event that a WEG product should require warranty service due to defective materials or workmanship, WEG will, at its option, either repair or replace the defective product. Warranty is applied to products that have been, at all times, operated or used under normal operating conditions for which the product was designed and properly maintained. WEG is not responsible for any expenses incurred in installation, removal from service, transport (freight) or consequential expenses.

Disclaimer of Expenses:

The Company hereby disclaims all other express or implied warranties, including without limitation all implied warranties of merchantability pertaining to such products or parts. The foregoing obligation to repair or replace such products or parts shall be the sole and exclusive remedy of the purchaser, its customers, or users of the products or parts.

Proper Storage of Motors:

When motors are not immediately installed, they should be stored in their normal upright position in a dry even temperature location, free of dust, gases and corrosive atmosphere. Inactive motors tend to expel grease from between the bearing surfaces, thereby removing the protective film that impedes metal-to-metal contact. At least once per month shafts should be rotated in accordance with WEG's Installation and Maintenance Manual. Motors stored for a period exceeding one year should have the bearings re-lubricated in accordance with the WEG Motor Installation and Maintenance Manual.

If the returned products are deemed not to be in unused, undamaged condition, or in original packaging, then additional fees will be applied (up to and including full price of item). Returns on any modified products will not be allowed. Any products that are ordered as specials (with features that would not allow them to be stocked items) cannot be returned.

Manufacturers Distributor, Inc.
Web: www.WegMotorSales.com
Phone: (813) 241 - 4900
Email: Sales@WegMotorSales.com
Fax: (813) 571 - 0422

Ordering

WEG model numbers contains up to 20 characters, distributed as follows:

XXX (HP)	XX (rpm)	XXX (Model)	X (Volts)	XXXXX (Application + Frame)	- W22 When Applicable
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HP¹ - .12 - .16 - .25 - .33 - .50 - .75 - 001 - 0015 - 002 - 003 - 004 - 00451 - 005 - 007 - 010 - 015 - 020 - 025 - 030 - 040 - 050 - 075 - 100 - 125 - 150 - 200 - 250 - 300 - 400 - 450 - 500 - 600 - 650 ...

RPM - **36:** 3600rpm **18:** 1800rpm **12:** 1200rpm **09:** 900rpm
30: 3000rpm **15:** 1500rpm **10:** 1000rpm **07:** 750rpm

Model - Three Characters:

X ENCLOSURE	X EFFICIENCY	X PHASE
E - Totally Enclosed	S - Standard Efficiency	1 - <u>1</u> Phase
S - Severe Duty IEEE 841	P - High Efficiency	3 - <u>3</u> Phase
O - Open drip proof	T - NEMA Premium	
X - eXplosion proof	G - Super Premium	
A - Totally Enclosed Air Over		
N - Total Enclosed Non Ventilated		

Volts -	
A - 115V	L - 415V
B - 115 / 208 - 230V	M - 220 / 380 - 415V
C - 208 - 230V	N - 220 / 380V
D - 230V	O - 380 - 415V
E - 208 - 230 / 460V*	P - 200V
F - 230 / 460V	Q - 460V
G - 460V PWS	R - 115 / 230V
H - 575V	V - 200 / 400V
I - 220V	W - 460/220-240/380-415V
J - 380V	X - Other Voltage
K - 190 / 380V	Y - 460/380-415/660-690V

* Suitable for PWS on 254T and larger on low voltage connection.

- ¹⁾ • For IEC Metric motors, the output will be given in kW:
 .12 - .18 - .25 - .37 - .55 - .75 - 001 - 0015 - 002 - 003 - 004 - 0045 - 005 - 007 - 009 - 011 - 015 - 018 - 022 - 030 - 037 - 045 - 055 - 075 - 090 - 110 - 130 - 150 - 185 - 200 - 220 - 250 - 300 - 315 ...
 • 0015 (1.5HP) is the rating that will have four digits for output identification and only one for RPM.
 • 0045 (4.5kW) is the rating that will have four digits for output identification and only one for RPM.

Frame

The frame number must be included as long as the number of remaining characters allow.

Example: 143T, 143TC, 405T, 405TS, 184JP.

-W22 Suffix

-W22 Suffix will be added to the catalog number of totally enclosed motors with the new W22 WEG design. Depending on the number of remaining characters this suffix might appear as -W or -W2.

²⁾ Roller bearings are recommended for all belt driven applications 100HP and above.

Application + Frame -

For Definite Purpose lines, two pre-selected letters must be used after voltage code:

- AD - Auger Drive
- AL - Aluminum Frame
- AX - ATEX Motor
- BM - Brake Motor
- CD - Compressor Duty
- CT - Cooling Tower
- DP - Double Pole (2 Speed)
- EC - Evaporative Cooler
- FD - Farm Duty
- FP - Fire Pump
- HP - Hydraulic Pump
- HS - Hollow Shaft
- IB - Inverter Duty (TEBC)
- IE - IEEE 841 (Severe Duty IEEE 841)
- IP - Irrigation Pumping
- JP - Jet Pump
- KD - Crusher-Duty
- OL - Manual OverLoad Protection
- OT - Oil Well Pumping - Triple Rated
- OW - Oil Well Pumping
- PF - Poultry Fan
- PM - Pad Mount
- R - (Before the frame size): Round Body
- RB - Roller Bearings (Integrals)²
- RB - Resilient Base (Fractionals)
- RS - Rolled Steel Frame
- SA - Saw Arbor
- SP - Split Phase
- SS - Stainless Steel
- VD - Vector Duty (TEBC or TENV)

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NEMA PREMIUM EFFICIENCY

SUPER PREMIUM EFFICIENCY

GENERAL PURPOSE

SEVERE DUTY THREE PHASE

EXPLOSION PROOF

PUMP MOTORS

FARM DUTY

AIR HANDLING

OIL WELL PUMPING

COMPRESSOR DUTY

VECTOR DUTY

WASHDOWN DUTY SHARK™ (Stainless Steel)

Catalog Notes

NEMA PREMIUM EFFICIENCY	1	1.0 Service Factor
	2	Aluminum Frame with Removable Feet
SUPER PREMIUM EFFICIENCY	3	Automatic Reset Thermal Overload Protector
	4	Manual Reset Thermal Overload Protector
GENERAL PURPOSE	5	CCW Rotation Viewed from Shaft End - Non Reversible
	6	Compressor Duty
	7	F2 Mount
SEVERE DUTY THREE PHASE	8	F3 Mount
	9	Rolled Steel Frame
	10	Not Thermally Protected
EXPLOSION PROOF	11	Product Might Not be Available in Stock
	12	Reduced Frame
	13	Resilient Base
PUMP MOTORS	14	Roller Bearing
	15	Round Body - Drip Cover Included
	16	Split-Phase Motor
FARM DUTY	17	TENV - Totally Enclosed Non Ventilated
	18	Z-Frame; Bigger Shaft Diameter and Bearings
	19	105K Temperature Rise
AIR HANDLING	20	Round Body - Drip Cover NOT Included
	21	Stainless Steel Body
	22	Two Speed - Double Windings
OIL WELL PUMPING	23	Two Speed - Single Winding
	24	Not readily available. Usually ships in two weeks
	25	Brake rectifier suitable for 230VAC
COMPRESSOR DUTY	26	Brake rectifier suitable for 460VAC
	27	For Export Only. Non-compliant with Energy Independence & Security Act of 2007 (EISA 2007)
	28	ODP Fan Cooled
VECTOR DUTY	29	Standard Efficiency
	30	High Efficiency (EPACT)
	31	Rating is suitable for 1.0SF @ 50Hz. Also suitable for next lower HP @ 1.15SF 50Hz

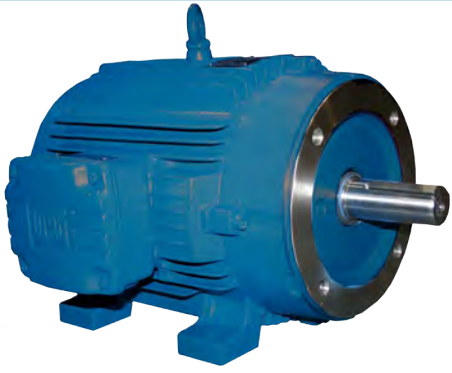
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WASHDOWN DUTY SHARK™ (Stainless Steel)



VECTOR DUTY MOTORS TENV - Three Phase - Foot Mount - Double C-Face

Designed specifically for inverter operation for applications requiring 1000:1 constant torque turndown ratio.



- * Class F insulation (Impregnation Resin and Magnet wire are class H)
- * NEMA design B.
- * F1 Mounted (F2 convertible).
- * Stainless Steel Nameplate - Laser etched with high contrast background
- * Gasketed conduit box
- * Class I, Div. 2, Groups A, B, C & D – T3, Class II, Div 2, Groups F & G – T3C

Features that make a difference:

- * Constant torque operation from 0 to base speed (1000:1) on PWM Vector Drive
- * Constant Horsepower operation up to 150% base speed
- * Ready for encoder mount
- * With thermostats (1 per phase)
- * Special nameplate data for easy drive set-up
- * Ready for C-face brake, limited to 10 lb-ft braking torque

Inverter Rated:
1000 : 1 for constant torque

VECTOR DUTY MOTORS TENV - Three Phase - Foot Mount - Double C-Face

HP	kW	RPM	NEMA Frame	Catalog Number	List Price	Mult. Symbol	Approx. Shipping Weight (lbs)	Service Factor	FL Amps	FL Eff (%)	"C" Dimension (in)	Voltage (V)	Notes
1	0.75	1800	143TC	00118NT3FVD143TC-W22	697	D1	51	1.00	1.37	85.5	13.693	230/460	17
1.5	1.1	1800	145TC	00158NT3FVD145TC-W22	705	D1	57	1.00	1.98	86.5	14.678	230/460	17
2	1.5	1800	145TC	00218NT3FVD145TC-W22	928	D1	62	1.00	2.58	86.5	14.678	230/460	17
3	2.2	1800	182TC	00318NT3FVD182TC-W22	1,150	D1	100	1.00	3.91	89.5	15.569	230/460	17
5	3.7	1800	184TC	00518NT3FVD184TC-W22	1,373	D1	102	1.00	6.98	89.5	16.569	230/460	17
7.5	5.5	1800	213TC	00718NT3FVD213TC-W22	1,803	D1	173	1.00	9.08	91.7	18.541	230/460	17
10	7.5	1800	215TC	01018NT3FVD215TC-W22	2,157	D1	180	1.00	12.3	91.7	20.041	230/460	17
15	11	1800	254TC	01518NT3FVD254TC-W22	2,567	D1	316	1.00	19.3	92.4	23.837	230/460	17
20	15	1800	256TC	02018NT3FVD256TC-W22	3,747	D1	360	1.00	26.0	93.0	25.569	230/460	17

Refer to electrical and mechanical data sections for additional technical information.
Please refer to back cover for description of "NOTES"

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