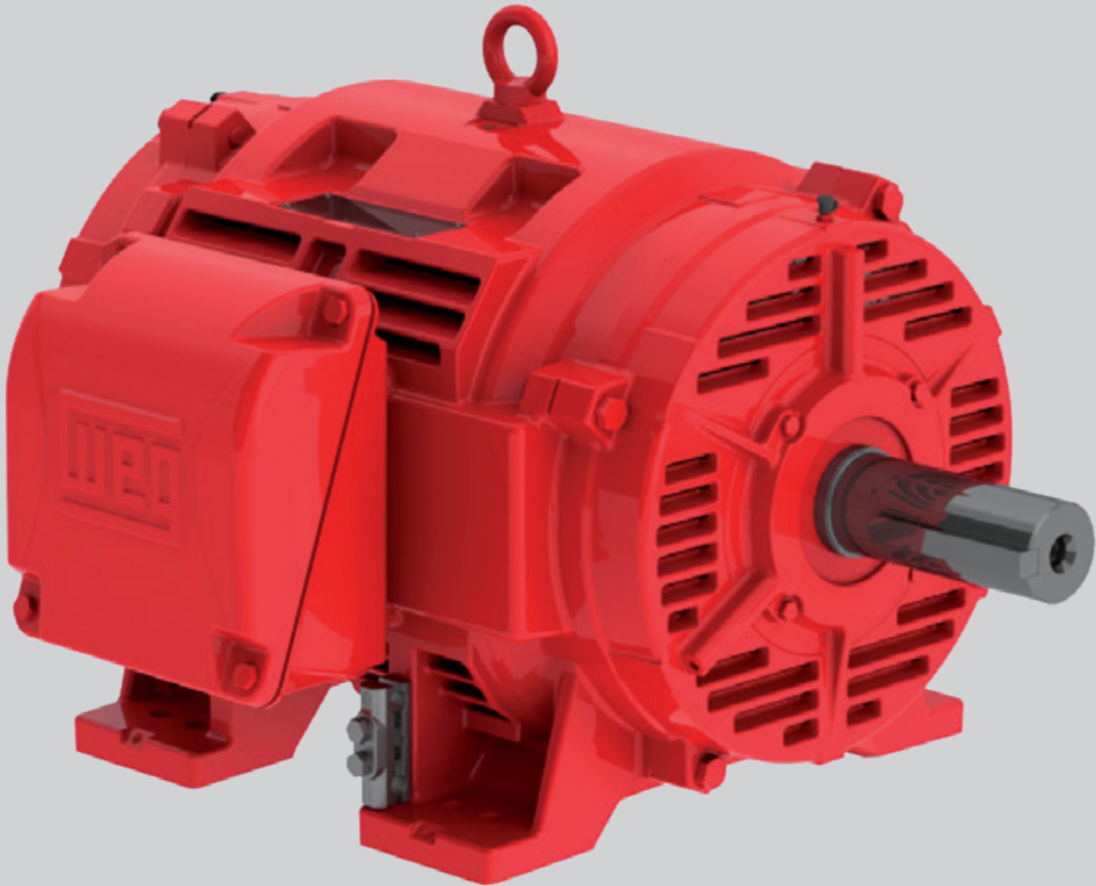


# UL/Fire Pump

W40 Motors



# W40 Fire Pump Motors

W40 is a platform of Open Drip Proof motors (ODP) designed for industrial application in order to have a compact and light solution for the customer. The platform was designed to meet the market requirements of optimized and rugged motors, complying with international standard dimensions, safety and performance requirements.

## Standard Features

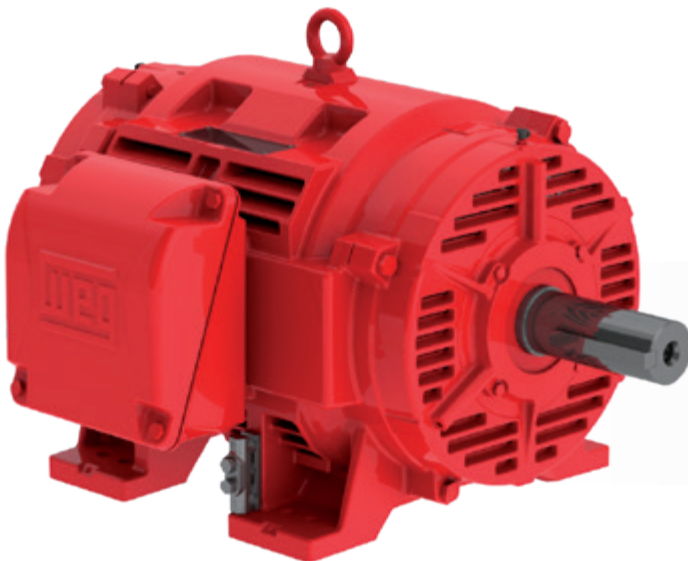
- High Efficiency
- Output power: NEMA 15 to 500HP and kW equivalent
- Frame sizes: NEMA 254/6T to 447/9T and IEC equivalent
- Voltage: 380-400/440-460V 60Hz  
380-400-415V 50Hz
- Number of poles: 2 or 4
- Service factor: 1.15
- Insulation class: F, Class B rise
- Mounting: F1
- Bearing type: Ball bearings
- Frame material: Cast iron
- Cooling system: Open with self-circulation (IC01)
- Nameplate: Stainless steel
- Paint: Enamel alkyd resin base
- Color: Red – RAL3000
- NPT threaded terminal box
- Grease fitting (for all frame sizes)
- Ambient Temperature: 50 °C

## Optional Features

- NEMA Premium Efficiency
- Insulation class: H
- Different Voltage/Output ratings
- Space heater
- Winding and bearings thermal protections
- Special voltages
- Internal Epoxy Tropicalized Painting
- Cable glands
- Flange: D and C
- Drip cover
- Thermistors, thermostats or RTD's (PT100)
- Insulated Bearings
- Shaft Grounding Ring
- Frames 143/5T and 213/5T available in special design

## Certifications

UL 1004-1, Rotating Electrical Machines – General Requirements  
 UL 1004-5, Fire Pump Motors  
 UL 1004-8, Inverter Duty  
 CSA C22.2, No. 100, Motors and Generators  
 NFPA 20, Standard for the Installation of Stationary Pumps for Fire Protection



**W40 Motor**  
 Contact WEG and make a quotation.

Electrical and Mechanical Data are available on the WEG's website: [www.weg.net](http://www.weg.net)

## High Efficiency – Foot Mount - Three Phase

HP	NEMA Frame	Weight kg	WEG Material Number	UL Model Number *	Rated Speed						Rated Current						Efficiency %		
					380 V		400 V		415 V	440 V	460 V	380 V		400 V		415 V		440 V	460 V
					50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz		60 Hz	60 Hz
10	213/5T	63.5	12741739	T00IF0X0H000010086150	2890	3510	2905	3545	2910	3510	3545	14.3	14.1	13.6	13.6	13.2	12.2	11.8	89.5
15	254T	94.7	12693102	T00IF0X0H000010117850	2925	3525	2935	3530	2940	3525	3530	21.7	21.5	20.6	20.4	20.6	18.5	17.7	89.5
20	254/6T	115	14866110	T01#FOX0H	2915	3530	2928	3545	2935	3530	3545	27.8	28.1	26.4	26.7	25.5	24.2	23.2	90.2
25	284TS	142	14866115	T01#FOX0H	2920	3535	2930	3545	2940	3535	3545	34.7	35.1	33.3	33.3	32.1	30.3	29	91.0
30	284/6TS	163	14866116	T01#FOX0H	2925	3540	2935	3545	2940	3540	3545	41.3	41.7	39.7	39.7	38.7	36.0	34.5	91.0
40	324TS	194	14866117	T01#FOX0H	2950	3560	2955	3545	2960	3560	3545	57.1	57.1	54.9	54.9	53.5	49.3	47.7	91.7
50	324/6TS	219	14874886	T01#FOX0H	-	3561	2958	3565	2962	3561	3565	-	69.9	66.4	67.2	64.8	60.4	58.4	92.4
60	364/5TS	316	14866647	T01#FOX0H	2950	3550	2955	3555	2960	3550	3555	83.5	83.5	79.4	80.3	77.4	72.1	69.8	93.0
75	364/5TS	336	14867042	T01#FOX0H	2945	3550	2955	3555	2960	3550	3555	102.0	102.0	97.0	97.0	93.5	88.2	84.3	93.0
100	404/5TS	415	14867046	T01#FOX0H	2940	3550	2950	3555	2955	3550	3555	141.0	139.0	132.0	132.0	127.0	120.0	115	93.0
125	404/5TS	438	14867169	T01#FOX0H	2940	3555	2950	3560	2960	3555	3560	165.0	164.0	156.0	156.0	150.0	142.0	136	93.6
150	444/5TS	614	14867172	T01#FOX0H	2960	3570	2965	3570	2970	3570	3570	203.0	203.0	193.0	193.0	186.0	175.0	168	93.6
200	444/5TS	654	14867174	T01#FOX0H	2955	3565	2965	3570	2965	3565	3570	271.0	271.0	257.0	257.0	248.0	234.0	224	94.5
250	444/5TS	670	14867176	T01#FOX0H	2960	3565	2966	3570	2967	3565	3570	338.0	338.0	325.0	321.0	317.0	292.0	279	94.5
300	447/9TS	975	15131076	T01#FOX0H	2955	3560	2960	3565	2960	3560	3565	395	395	376	376	362	341	327	95.0

\*The model numbers can be verified at [UL Product iQ™](#). You can register your own for Free.

### Features & Benefits

#### Rugged and compact design

With maximum reliability, ready for all application requirements. W40 motors have higher power density when compared with TEFC motors.

#### Low vibration and noise levels

W40 motors have vibration velocity limits and noise levels as per NEMA MG-1 parts 7 and 9.

#### Enhanced customer interface for easy installation and maintenance

Reversible F1/F2 ready, prepared for opposite side auxiliary boxes drilling and installation, grease inlet/outlet improved access, easy access to flange bolts, flat areas for vibration sensors.

#### Oversized terminal box

Oversized and diagonally split terminal box for easier access and service operations.

#### IP23 degree of protection

Complete protection against touching on all live or rotating parts.

#### Bearings life of 100.000 hours (direct coupling)




For WEG's worldwide  
operations visit our website



[www.weg.net](http://www.weg.net)



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Cod: 50096962 | Rev: 00 | Date (m/a): 12/2019.

The values shown are subject to change without prior notice.

The information contained is reference values.