

Product Data Sheet

Horizontal A.C. Motors
Totally Enclosed Fan Cooled
Wash Down Duty
"The Slicker"



- **Totally Enclosed Fan Cooled Motor**
- **Single & Three Phase**
- **303 Stainless Steel Shaft**
- **1/2 to 10 Horsepower**
208 - 230/460, 575 Volt
- **1.15 Service Factor**
- **Standard and Energy Efficient**



Product Overview

U.S. Electrical Motors' Washdown Duty Motors are designed for the Food Processing industry. Typical applications include car washes, sugar refiners and meat packing plants. The Washdown Duty motor is ideal for any application where the motor is routinely exposed to washdown, chemicals, moisture, humidity or any other severe environment.

The Washdown Duty motor is offered in standard types WEN, WEF and WER and energy efficient types FWEN, FWEF and FWER to meet the 1997 federally legislated efficiency levels.



With its totally enclosed, fan cooled design, the "Slicker" prevents water from entering the motor during washdown. The double sealed ball bearings and 303 Stainless Steel shaft resist moisture, chemicals and other contaminants. Its two strategically placed condensation drain holes allow any water which enters the motor to drain quickly. The gasketed conduit box prevents moisture from entering into the box

and affecting electrical operation. The windings have been double dipped and baked to withstand moisture and chemicals found in food processing applications.

Slicker motors are available in three phase 1/2 HP through 10 HP, 56 through 215 frame, 208-230/460 and 575 volts. The motors are also available in single phase 1/2 HP through 1.5 HP, 56 frame, 115/230 volts. The Slicker's 1.15 service factor can easily accommodate varying loads and voltage conditions.

The Slicker Washdown Duty motor is USDA approved. Its white epoxy paint provides superior protection and resistance to chemicals, humidity and other severe environmental conditions. All Washdown Duty motors are BISSC certified and are available in three mounting styles: C-Face, Rigid Base C- Face with base.



For more comprehensive information, please refer to the U.S. Motors' Horizontal Motor Catalog.

Typical Applications

- ◆ Car Washes
- ◆ Natural & Processed Cheese Mfrs.
- ◆ Canned & Cured Seafood Plants
- ◆ Creamery / Butter Mfrs.
- ◆ Bottled & Canned Soft Drink Mfrs.
- ◆ Poultry & Egg Processors
- ◆ Frozen Fruit & Vegetable Packagers
- ◆ Malt & Malt Beverage Mfrs.
- ◆ Sugar Refineries
- ◆ Fluid & Dry Milk Plants
- ◆ Food Preparations Mfrs.
- ◆ Meat Packing Plants

Washdown Duty Motor Highlights

Key and External Hardware

Resists moisture and chemicals.

Double Sealed Ball Bearings

Resist moisture and other contaminants.

Double Dipped and Baked Winding

Stand up to moisture and chemicals found in food processing applications.

Corrosion Resistant Fans

Internal and external fans provide cool running operation even in extreme temperatures.

USDA Approved White Epoxy Paint

Provides superior protection and resistance to chemicals, humidity and other severe environments.

Class F Insulation

Can withstand continuous use and varied duty cycles.

Two Condensation Drain Holes

Allows any condensation which enters the motor to drain quickly.

Three Mounting Styles

Available in C - Face, Rigid Base and C - Face with Base.

Gasketed Conduit Box

Prevents moisture from intruding into the box and affecting electrical operation.

Moistureproof Sealer

The interior components, stator core endcoils, stator bore and rotor core, are treated with red - colored moistureproof sealer.

Slicker Standard Efficiency Ratings

Three Phase - Rigid Base

HP	RPM	Frame	Catalog No.
1/2	1800	56	WD12S2B
3/4	1800	56	WD34S2B
1	1800	143T	WD1SE2BD
1-1/2	1800	145T	WD32E2BD
2	1800	145T	WD2E2D
3	1800	182T	WD3E2D
5	1800	184T	WD5E2D
7-1/2	1800	213T	WD7E2D
10	1800	215T	WD10E2D

Three Phase - "C" Face w/ Rigid Base

HP	RPM	Frame	Catalog No.
1/2	3600	56C	WD12S1BC
1/2	1800	56C	WD12S2BC
3/4	3600	56C	WD34S1AC
3/4	1800	56C	WD34S2BC
1	3600	56C	WD1S1BC
1	1800	56C	WD1S2BFC
1-1/2	3600	56C	WD32S1AFC
1-1/2	1800	145TC	WD32E2AC
2	3600	56TC	WD2S1BHC
2	3600	145TC	WD2E1AC
2	1800	145TC	WD2E2AC
3	3600	145TC	WD3E1AC
3	1800	182TC	WD3E2DC
5	1800	184TC	WD5E2DC
7-1/2	1800	213TC	WD7E2DC
10	1800	215TC	WD10E2DC

Three Phase - "C" Face Footless

HP	RPM	Frame	Catalog No.
1/2	1800	56C	WD12S2BCR
3/4	1800	56C	WD34S2BCR
1	1800	56C	WD1S2BFRC
1-1/2	1800	56C	WD32S2BFRC
2	1800	56C	WD2S2BFRC
3	1800	182TC	WD3E2DCR
5	1800	184TC	WD5E2DCR
7-1/2	1800	213TC	WD7E2DCR
10	1800	215TC	WD10E2DCR

Single Phase - "C" Face w/ Rigid Base

HP	RPM	Frame	Catalog No.
1/2	1800	56C	WD12C2PC
3/4	1800	56C	WD34C2PC
1	3600	56C	WD1C1PC
1	1800	56C	WD1C2PC
1-1/2	3600	56C	WD32C1PC
1-1/2	1800	56C	WD32C2JC



Emerson Motors
8100 West Florissant Avenue, St. Louis, MO 63136

WWW Home Page: <http://www.usmotors.com>



REGIONAL OFFICES
DOMESTIC U.S. SALES
INTERNATIONAL SALES
MONTREAL, QUEBEC/CANADA
TORONTO, ONTARIO/CANADA

PHONE
(888) 637-7333
(314) 553-3185
(800) 361-5509
(905) 475-4670

FAX
(314) 553-1101
(314) 553-2135
(514) 332-5912
(905) 475-4672

REGIONAL OFFICES
MONTERREY, MEXICO
CARACAS, VENEZUELA
BOGOTA, COLOMBIA

PHONE
(52) 8-389-1312
(58) 02-2377522
(57)1- 439-5420

FAX
(52) 8-389-1310
(58) 02-2329727
(57)1- 439-5417