BALDOR • RELIANCE




Washdown Duty Products

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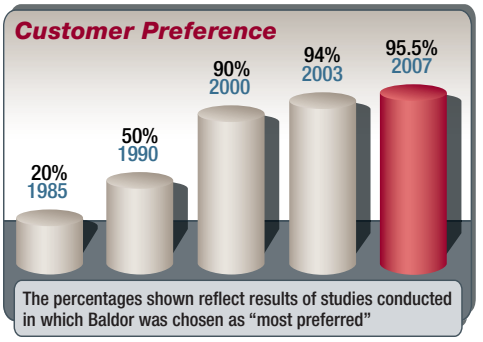
Why Baldor?

For more than 88 years, Baldor has strived to provide customers with the best value and reliability in industrial electric motors. That dedication shows in customer preference for Baldor motors. To be considered as the most preferred...



Baldor offers the industry's broadest line of stock products. Save valuable time with just one call to Baldor. We offer more than 10,000 stock motors, drives and gearboxes.

Energy-efficiency leader. We began lowering the energy consumption of our motors in the 1920s, long before others were even talking about it. Today, our expansive line of Super-E® premium-efficient motors ranges from 1 through 15,000 hp. Baldor's Super-E® line offers customers the highest overall efficiency levels in the industry.

Baldor products are available at more locations than any other brand. Our 35 district offices/warehouses across North America offer immediate availability of Baldor products to thousands of customers.

Continuous innovation to improve reliability. Baldor leads the motor industry in applying new technologies and materials to improve motor reliability. Recent improvements to the line of Washdown Duty motors are further proof that Baldor is the leader in motors for food and pharmaceutical processing and handling applications. These improvements are explained in detail on the following pages.

Industry's best information. Only Baldor offers customers so many choices for product information with a wide variety of catalogs and product brochures, a CD-ROM electronic catalog, the Baldor Web site (www.baldor.com), or you may talk to a Baldor customer service person at one of our sales offices.

Industry's shortest lead times/Flexible manufacturing. Baldor has the industry's shortest lead times on custom motors – just two weeks. Our unique FLEX FLOW™ manufacturing process lets us produce any order in any quantity, quickly and efficiently.

Table of Contents

The Best Value in Washdown Duty Motors and Drives

Long before we invested in the people, equipment and material required to produce Baldor•Reliance Washdown Duty motors and drives, we invested our time and attention. We listened to equipment designers, operators and plant maintenance engineers. We learned about their toughest processing applications in poultry, meat, dairy, snack foods and pharmaceuticals. And we took notes when they shared their wish lists of product capabilities and characteristics.

That was over 1,000,000 Washdown Duty motors ago, and we're still listening to customer input.

Today's input: better performance and reliability. These are the inspirations behind Baldor's new and improved Washdown Duty motors. We accomplished this by adding features like an improved paint system, Baldor's ISR Inverter Spike Resistant™ magnet wire, Class F insulation with Class B (or lower) temperature rise, and Exxon Polyrex® EM grease, customer-friendly drain plugs, and shaft seals.

Features, choice and availability make Baldor Washdown Duty motors and drives the best value.

- Baldor's Washdown, Paint-Free Washdown and Stainless Washdown are suited for applications requiring high-pressure cleaning with caustic solution. These choices allow you to select the right motor for the amount of protection required for the specific application.
- The widest variety of Washdown Duty motors available from stock. Motors may be selected with the required voltage, horsepower, speed and mounting for the application. Plus, Baldor offers your choice of permanent magnet DC, Baldor•Reliance SmartMotor™ and Servo motors with Washdown Duty construction.

Baldor Washdown Duty Motors provide easy clean up for Hiram Walker's high speed, bottle filling line. The line fills Kahlua bottles at a rate of 300 bottles per minute.

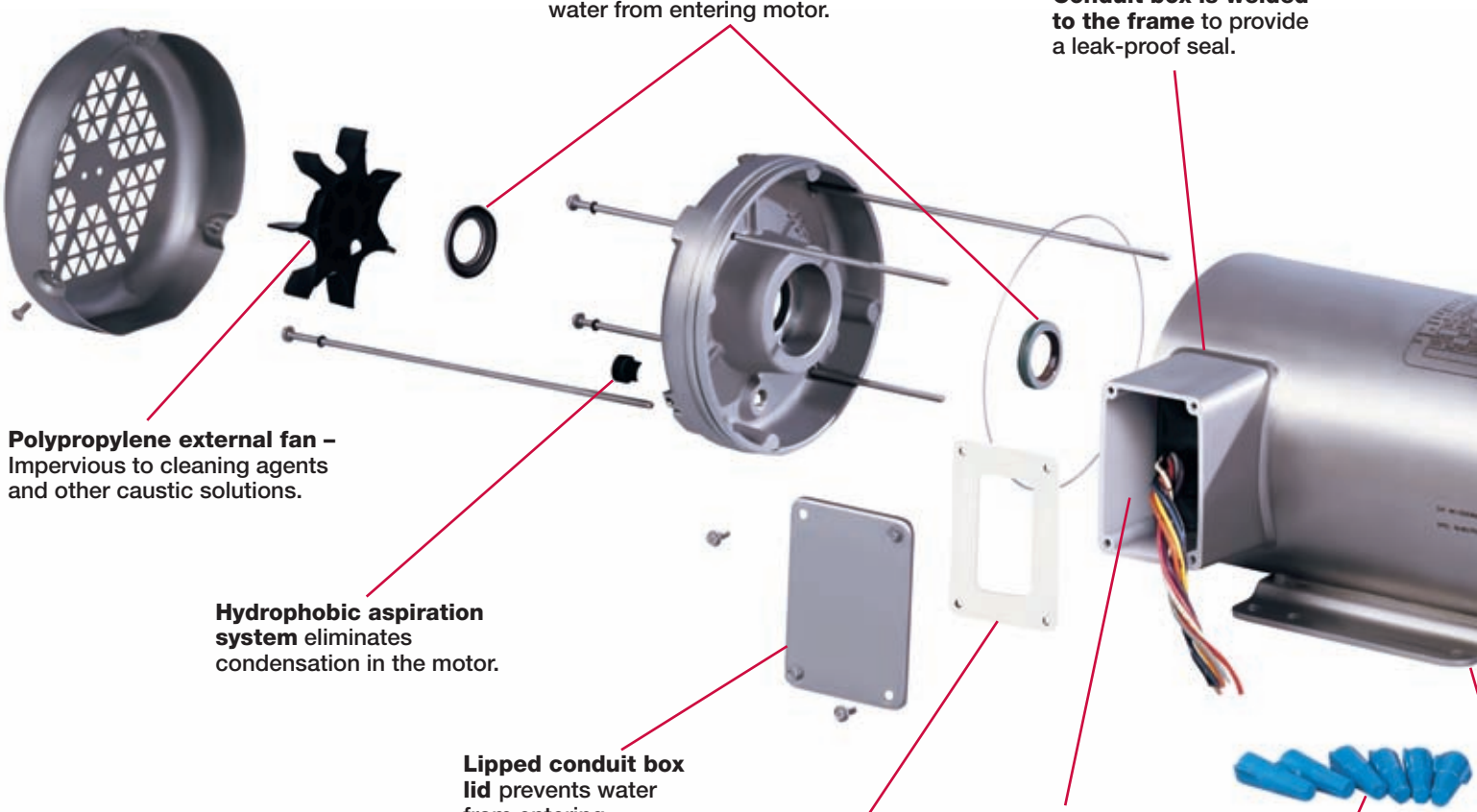
- Our Super-E premium efficiency designs meet or exceed NEMA Premium® efficiency levels, provide energy savings, lower temperature rise and increased motor life.
- The autophoretic primer and epoxy paint system on our Washdown Duty motors passes 500 hours in a salt spray booth per ASTM B117.
- Totally Enclosed Non-Ventilated (TENV) Inverter Drive® and Vector Drive® washdown motors are designed and tested for use with adjustable speed controls to ensure maximum performance and adequate cooling over the motor's entire speed range.
- Super-E Washdown Duty motors are Inverter Ready and meet NEMA MG-1 2006, Part 31 requirements for peak voltage when used on inverters.
- If the motor you need is not one we stock, Baldor can build your custom motor in only two weeks! Custom capabilities include mountings, conduit boxes, shaft configurations, special voltages and frequencies.

CUSTOM BALDOR MOTORS

There are many other advantages to specifying Baldor Washdown Duty motors and drives. You'll find them on the following pages, as well as all the specs you need to make the perfect choice for your application.

Baldor SSE Stainless Steel Super-E® Motor

All stainless steel construction including housing, conduit box and cover, base, fan cover and endplates. Impervious to rust and deterioration caused by high pressure caustic sanitizing. Provides longer trouble-free life than conventional motors.



Premium external and internal bearing protection with patent pending mechanical seals prevents water from entering motor.

Conduit box is welded to the frame to provide a leak-proof seal.

Polypropylene external fan – Impervious to cleaning agents and other caustic solutions.

Hydrophobic aspiration system eliminates condensation in the motor.

Lipped conduit box lid prevents water from entering.

Neoprene rubber gasket on conduit box – Ensures a tight, waterproof seal.

Oversized conduit box – Exceeds NEC standards; makes connections easier.

Silicone injected wire nuts provided for connection.

Super-E® design with NEMA Premium® efficiency for low electricity use. Approved by UL E46145 and CSA LR2262 files. Complies with CE directives as well as RoHS and WEEE directives.

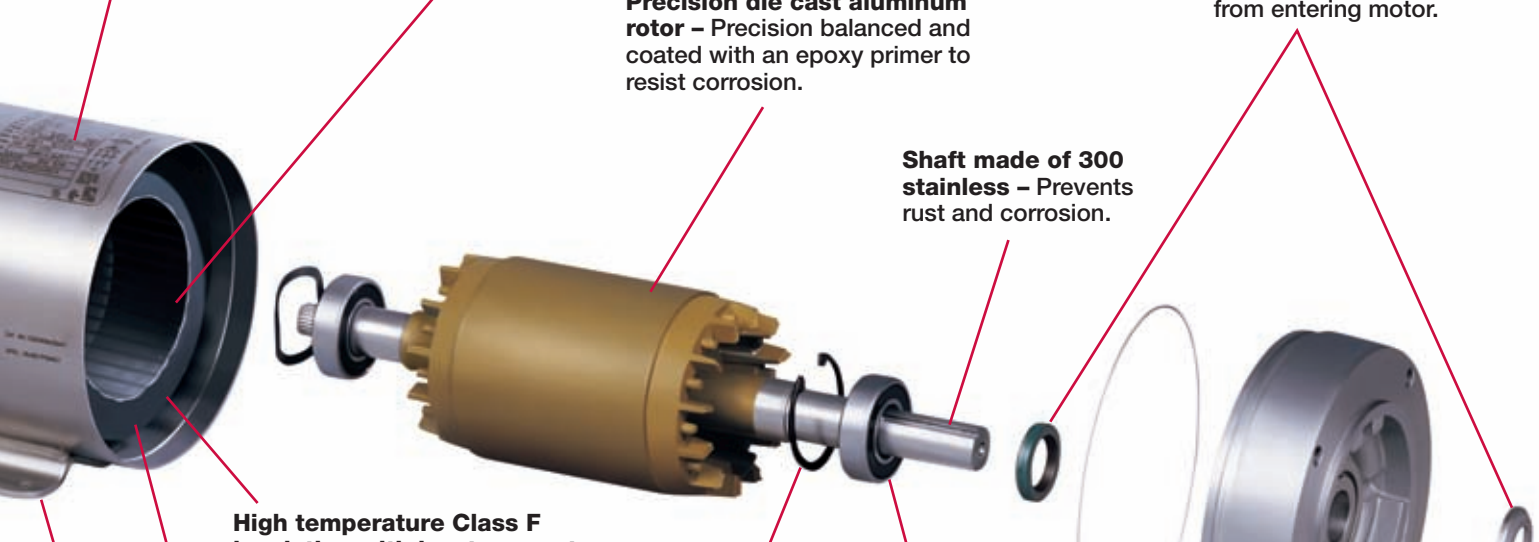
Complete nameplate data laser etched on the motor frame, identification numbers on both sides. Eliminates contamination trapped beneath bolt-on nameplates.

Windings engineered for durability – double-dipped and baked varnish eliminates voids provides stronger bond and improves moisture resistance. Encapsulation using Baldor's E3 Effusion Epoxy Encapsulation™ process adds another level of internal contaminant and moisture protection. Extends into conduit box to prevent moisture entering the motor winding.

Premium external and internal bearing protection with patent pending mechanical seals prevents water from entering motor.

Precision die cast aluminum rotor – Precision balanced and coated with an epoxy primer to resist corrosion.

Shaft made of 300 stainless – Prevents rust and corrosion.



High temperature Class F insulation with low temperature (Class B) rise – Provides longer insulation and bearing life.

Exclusive ISR® (Inverter Spike Resistant) magnet wire – Up to 100 times more resistant to voltage spikes; provides an added thermal safety margin.

Locked bearing construction on C-face motors – Reduces endplay and allows vertical mounting.

Exxon Polyrex® EM grease – Standard double sealed motor bearings better for improved lubrication life. PolyrexEM has greater shear stability and superior resistance to washout, rust and corrosion.

Machined drip grooves in endplates.

Neoprene o-rings seal frame to endplate joint and prevent water entry.

Multiple foot mounting holes – Makes motor change-out easy.

SSE™ Super-E® Washdown Duty Stainless Motors

NEMA Premium

Over the years, Baldor has worked with industry leaders in food processing to design washdown duty motors that meet and exceed their application demands.

Our new Stainless Super-E® washdown duty motors are another example of the best getting better. Baldor's SSE™ Stainless Super-E® is designed to perform longer than any other industrial electric motor available today, in the most corrosive and caustic applications subjected to frequent high-pressure sanitizing.

With unmatched quality and superior reliability, Baldor's new SSE Stainless Super-E motors have again set the standard that all other washdown duty motors will be judged against.

Performance Data: TEFC - Totally Enclosed Fan Cooled, TENV - Totally Enclosed Non-Ventilated, 230/460 Volts, Three Phase, 1 through 10 Hp

HP	kW	RPM	Frame	Encl.	Catalog No	Amps		FI Tq	Efficiency		Power Factor		Bearings		Volt Code	"C" Dim.	Conn Dia	Aprx. Wt.
						FL	LR	Lb-Ft	3/4	FL	3/4	FL	DE	ODE				
Super-E C-face with base																		
0.5	0.37	3500	56C	TENV	**CSSEWDM3537**	0.7	7.4	0.76	83.7	84.0	72	84	6205	6205	E	11.71	CD0005	47
0.5	0.37	1740	56C	TENV	**CSSEWDM3538**	0.75	5.8	1.5	80.9	81.5	72	80	6205	6205	E	11.71	CD0005	47
0.75	0.55	3500	56C	TENV	**CSSEWDM3541**	1.0	10.4	1.13	86.8	86.5	79	85	6205	6205	E	11.71	CD0005	51
0.75	0.55	1740	56C	TENV	**CSSEWDM3542**	1.0	9.1	2.26	78.3	84.0	76	81	6205	6205	E	12.71	CD0005	55
1	0.75	3450	56C	TENV	**CSSEWDM3545**	1.48	18.3	1.5	81.5	82.5	73	80	6205	6205	E	12.71	CD0005	54
1	0.75	1760	56C	TENV	**CSSEWDM3546**	1.48	15.0	3.06	87.2	87.5	63	72	6205	6205	E1	12.71	CD0005	54
1	0.75	1760	143TC	TENV	**CSSEWDM3546T**	1.4	15.0	3.06	87.2	87.5	63	72	6205	6205	E1	12.77	CD0005	56
1.5	1.1	3500	56C	TENV	**CSSEWDM3550**	1.8	20.6	2.31	85.2	85.5	86	90	6205	6205	E	13.59	CD0005	62
1.5	1.1	3500	145TC	TENV	**CSSEWDM3550T**	1.8	20.6	2.31	85.2	88.5	86	90	6205	6205	E	13.65	CD0005	64
1.5	1.1	1765	56C	TEFC	**CSSEWDM3554**	2.5	20.0	4.54	88.2	88.5	66	74	6205	6205	E1	14.75	CD0005	61
1.5	1.1	1765	145TC	TEFC	**CSSEWDM3554T**	2.5	20.0	4.54	88.2	88.5	66	74	6205	6205	E1	14.81	CD0005	62
2	1.5	3500	145TC	TEFC	**CSSEWDM3555T**	2.5	31.0	3.0	86.0	86.5	85	90	6205	6205	E	14.81	CD0005	67
2	1.5	1755	56C	TEFC	**CSSEWDM3558**	2.8	28.1	6.05	84.8	85.5	70	78	6205	6205	E	14.75	CD0005	61
2	1.5	1740	145TC	TEFC	**CSSEWDM3558T**	2.72	24.9	6.05	88.7	88.5	70	78	6205	6205	E1	14.81	CD0005	61
3	2.2	3470	145TC	TEFC	**CSSEWDM3559T**	3.7	48.3	4.5	87.2	86.5	87	91	6205	6205	E	16.19	CD0005	79
3	2.2	1760	182TC	TEFC	**CSSEWDM3611T**	4.0	32.0	9.0	90.0	89.5	74	80	6206	6206	E	17.75	CD0005	101
5	3.7	3500	184TC	TEFC	**CSSEWDM3613T**	5.6	62.5	7.5	89.9	89.5	92	95	6206	6206	E	17.75	CD0005	107
5	3.7	1750	184TC	TEFC	**CSSEWDM3615T**	6.4	54.0	15.0	91.3	91.3	74	81	6206	6206	E	19.25	CD0005	123
7.5	5.6	3500	213T	TEFC	**CSSEWDM3709T**	8.3	87.0	11.5	92.1	91.0	90	93	6307	6307	E	20.43	CD0005	178
7.5	5.6	1770	213T	TEFC	**CSSEWDM3710T**	9.5	73.0	22.3	92.2	92.2	75	81	6307	6307	F	21.62	CD0005	182
10	7.5	3500	215T	TEFC	**CSSEWDM3711T**	10.6	115	15.0	92.4	91.7	91	94	6307	6307	E	21.62	CD0005	184
10	7.5	1770	215T	TEFC	**CSSEWDM3714T**	12.5	105	29.9	93.1	93.1	76	81	6307	6307	E	23.06	CD0005	187

NOTE: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz.
See page 42 for Connection Diagrams. Efficiencies shown are nominal.
Data subject to change without notice. Contact Baldor for certified data.
See page 28 for dimensions.

SSE™ Super-E® Washdown Duty Stainless Motors continued…

NEMA Premium

Performance Data: TEFC - Totally Enclosed Fan Cooled, TENV - Totally Enclosed Non-Ventilated, 230/460 Volts, Three Phase, 1 through 10 Hp

HP	kW	RPM	Frame	Encl.	Catalog No	Amps		FI Tq	Efficiency		Power Factor		Bearings		Volt Code	"C" Dim.	Conn Dia	Aprx. Wt.
						FL	LR	Lb-Ft	3/4	FL	3/4	FL	DE	ODE				
Super-E C-face less base																		
0.5	0.37	3500	56C	TENV	**VSSEWDM3537**	0.7	7.4	0.76	83.7	84.0	72	84	6205	6205	E	11.71	CD0005	47
0.5	0.37	1740	56C	TENV	**VSSEWDM3538**	0.75	5.8	1.5	80.9	81.5	72	80	6205	6205	E	11.71	CD0005	47
0.75	0.55	3500	56C	TENV	**VSSEWDM3541**	1.0	10.4	1.13	86.8	86.5	79	85	6205	6205	E	11.71	CD0005	51
0.75	0.55	1740	56C	TENV	**VSSEWDM3542**	1.0	9.1	2.26	78.3	84.0	76	81	6205	6205	E	12.71	CD0005	55
1	0.75	3450	56C	TENV	**VSSEWDM3545**	1.48	18.3	1.5	81.5	82.5	73	80	6205	6205	E	12.71	CD0005	54
1	0.75	1760	56C	TENV	**VSSEWDM3546**	1.48	15.0	3.06	87.2	87.5	63	72	6205	6205	E1	12.71	CD0005	54
1	0.75	1760	143TC	TENV	**VSSEWDM3546T**	1.4	15.0	3.06	87.2	87.5	63	72	6205	6205	E1	12.77	CD0005	56
1.5	1.1	3500	56C	TENV	**VSSEWDM3550**	1.8	20.6	2.31	85.2	85.5	86	90	6205	6205	E	13.59	CD0005	62
1.5	1.1	3500	145TC	TENV	**VSSEWDM3550T**	1.8	20.6	2.31	85.2	88.5	86	90	6205	6205	E	13.65	CD0005	64
1.5	1.1	1765	56C	TEFC	**VSSEWDM3554**	2.5	20.0	4.54	88.2	88.5	66	74	6205	6205	E1	14.75	CD0005	61
1.5	1.1	1765	145TC	TEFC	**VSSEWDM3554T**	2.5	20.0	4.54	88.2	88.5	66	74	6205	6205	E1	14.81	CD0005	62
2	1.5	3500	145TC	TEFC	**VSSEWDM3555T**	2.5	31.0	3.0	86.0	86.5	85	90	6205	6205	E	14.81	CD0005	67
2	1.5	1755	56C	TEFC	**VSSEWDM3558**	2.8	28.1	6.05	84.8	85.5	70	78	6205	6205	E	14.75	CD0005	61
2	1.5	1740	145TC	TEFC	**VSSEWDM3558T**	2.72	24.9	6.05	88.7	88.5	70	78	6205	6205	E1	14.81	CD0005	61

NOTE: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz.
See page 42 for Connection Diagrams. Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.
See page 28 for dimensions.

IEC SSE Washdown Duty™ Stainless Motors

EFF1

Over the years, Baldor has worked with industry leaders in food processing to design Washdown Duty motors that meet and exceed their application demands.

Our new Stainless Super-E® Washdown Duty motors are another example of the best getting better. Baldor's SSE™ Stainless Super-E is designed to perform longer than any other industrial electric motor available today, in the most corrosive and caustic applications subjected to frequent high-pressure sanitizing (IP56).

With unmatched quality and superior reliability, Baldor's new SSE Stainless Super-E motors have again set the standard that all other washdown duty motors will be judged against.

Performance Data:

240/380-415 and 380-415 Volts, Three Phase, 50 Hz, 0.37 through 1.5 kW

kW	RPM	IEC Frame	Catalog Number	Amps FL	Efficiency FL	Power Factor FL	Voltage Code	Length mm (in)	Connection Diagram	Bearing Each End
B14 C-Face with B3 Base										
1.1	1460	D90C	**CSSEWDM90114C-57**	2.5	88.5	74	R	365 (14.36)	CD0022	6205
1.5	1450	D90C	**CSSEWDM90154C-57**	3.2	88.5	78	R	400 (15.74)	CD0022	6205
B5 Flange without Base										
0.37	1450	D80D	**VSSEWDM80044D-57 ▮**	0.8	80.0	82	R	277 (10.92)	CD0022	6205
0.55	1440	D80D	**VSSEWDM80064D-57 ▮**	1.2	81.5	82	R	303 (11.92)	CD0022	6205
0.75	1440	D80D	**VSSEWDM80084D-57 ▮**	1.9	75.5	73	R	—	CD0022	6205
1.1	1440	D90D	**VSSEWDM90114D-57**	2.3	85.9	80	R	—	CD0022	6205
1.5	1440	D90D	**VSSEWDM90154D-57**	3.1	87.0	80	R	—	CD0022	6205

NOTE: R = 240 / 380-415 volts 50 Hz, usable on 460 volt 60 Hz. S = 380-415 volts 50 Hz, usable on 460 volt 60 Hz.
Full load amps @ 400 volt nominal – 50 Hz.
▮ = TENV, others TEFC
Above data subject to revision without notice

All Stainless Motors

In applications where additional protection is required against highly corrosive environments, Baldor's All Stainless Washdown Duty motors are the answer. Typical applications include outdoor installations, or applications where particularly corrosive agents are being processed or used for washdowns, as in pharmaceuticals. Features include 300 Series stainless steel on all external surfaces, encapsulated windings, and a labyrinth seal on both ends of the shaft extension to protect motor bearings by rotating and expelling contaminants.

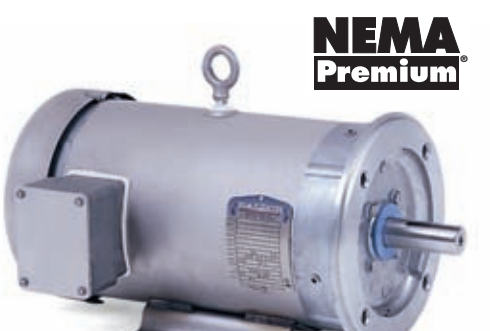
Performance Data: TEFC - Totally Enclosed Fan Cooled, TENV - Totally Enclosed Non-Ventilated, 230/460 Volts, Three Phase, 1 through 20 Hp

Hp	kW	RPM	Frame	Encl.	Catalog No.	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %		Power Factor %		Bearings		Volt Code	"C" Dim.	Conn. Diag. No.	Aprx. Wt.
						Full Load	Locked Rotor		3/4	Full Load	3/4	Full Load	DE	ODE				
C-face with base																		
0.5	0.37	3450	56C	TENV	**CSSWDM3537**	0.9	6.0	.75	66.9	70.0	72	76	6205	6203	E	11.09	CD0005	34
0.5	0.37	1750	56C	TENV	**CSSWDM3538**	0.8	6.5	1.5	73.6	75.5	68	76	6205	6203	E1	11.09	CD0005	37
0.75	0.56	3450	56C	TENV	**CSSWDM3541**	1.1	11.7	1.1	78.7	80.0	73	80	6205	6203	E1	11.09	CD0005	40
0.75	0.56	1750	56C	TENV	**CSSWDM3542**	1.0	9.6	2.3	77.5	78.5	71	80	6205	6203	E	12.09	CD0005	44
1	0.75	3450	56C	TENV	**CSSWDM3545**	1.3	18.3	1.5	83.1	82.5	82	88	6205	6203	F	11.09	CD0005	39
1	0.75	1740	56C	TENV	**CSSWDM3546**	1.4	10.7	3.0	87.0	85.5	74	81	6205	6203	E	11.09	CD0005	45
1.5	1.1	3500	56C	TENV	**CSSWDM3550**	2.0	23.5	2.3	85.2	85.5	81	87	6205	6203	F	12.09	CD0005	50
1.5	1.1	1750	56C	TEFC	**CSSWDM3554**	2.1	20	4.5	86.2	85.5	74	80	6205	6203	E	13.34	CD0005	53
1.5	1.1	1750	145TC	TEFC	**CSSWDM3554T**	2.1	20.0	4.5	86.2	85.5	74	80	6205	6203	E	13.42	CD0005	53
2	1.5	3450	145TC	TEFC	**CSSWDM3555T**	2.6	30.0	3.0	82.5	84.0	83	87	6205	6203	E	14.30	CD0005	59
2	1.5	1725	56C	TEFC	**CSSWDM3558**	2.8	22.0	6.1	86.5	84.0	71	78	6205	6203	F	13.34	CD0005	55
2	1.5	1725	145TC	TEFC	**CSSWDM3558T**	2.8	22.0	6.1	86.5	84.0	71	78	6205	6203	F	13.42	CD0005	56
3	2.2	3450	145TC	TEFC	**CSSWDM3559T**	3.7	40.5	4.5	85.1	85.5	86	89	6205	6203	E1	13.42	CD0005	61
3	2.2	3450	182TC	TEFC	**CSSWDM3610T**	3.7		4.5		85.1		89	6206	6205	E1	15.61	CD0005	89
3	2.2	1760	182TC	TEFC	**CESSWDM3611T**	4.0	32.0	9.0	90.0	89.5	74	80	6206	6205	F	16.82	CD0005	91
3	2.2	1760	182TC	TEFC	**CSSWDM3611T**	4.1	32.0	9.0	88.2	87.5	63	77	6206	6205	E	16.82	CD0005	89
5	3.7	3480	184TC	TEFC	**CESSWDM3613T**	5.7	69.6	7.5	90.6	90.2	87	91	6206	6205	F	18.32	CD0005	103
5	3.7	3450	184TC	TEFC	**CSSWDM3613T**	5.7	64.0	7.5	88.2	87.5	91	93	6206	6205	E	16.82	CD0005	95
5	3.7	1750	184TC	TEFC	**CESSWDM3615T**	6.4	54.0	15.0	90.9	90.2	74	81	6206	6205	E1	18.32	CD0005	115
5	3.7	1750	184TC	TEFC	**CSSWDM3615T**	6.5	48.0	15.0	88.4	87.5	73	80	6206	6205	E	18.32	CD0005	109
5	3.7	3500	213TC	TEFC	**CESSWDM3709T**	8.3	87.0	11.5	92.1	91.0	90	93	6307	6206	F	19.03	CD0005	164
7.5	5.6	3525	213TC	TEFC	**CSSWDM3709T**	8.9	75.0	11.2	88.4	88.5	85	88	6307	6206	E	19.03	CD0005	157
7.5	5.6	1770	213TC	TEFC	**CESSWDM3710T**	9.5	73.0	22.3	92.2	91.7	75	81	6307	6206	F	20.16	CD0005	157
7.5	5.6	1760	213TC	TEFC	**CSSWDM3710T**	10.0	82.0	22.0	84.7	89.5	73	80	6307	6206	E	20.16	CD0005	152
10	7.5	3500	215TC	TEFC	**CESSWDM3711T**	10.6	115	15.0	92.4	91.7	91	94	6307	6206	E1	20.16	CD0005	185
10	7.5	3450	215TC	TEFC	**CSSWDM3711T**	11.9	115	14.9	89.4	89.5	85	88	6307	6206	E	20.16	CD0005	174
10	7.5	1770	215TC	TEFC	**CESSWDM3714T**	12.5	105	29.9	93.1	92.4	76	81	6307	6206	F	21.66	CD0005	158
10	7.5	1760	215TC	TEFC	**CSSWDM3714T**	13.0	119	29.9	88.8	89.5	73	76	6307	6206	E	20.91	CD0005	187
15	11.1	3500	254TC	TEFC	**CESSWDM23994T**	17.6		22.6		91.7		91	6309	6208	F	24.67	CD0005	240
15	11.1	1780	254TC	TEFC	**CESSWDM23933T**	18		42.6		92.4		89	6309	6208	F	24.67	CD0005	246
20	15	3500	256TC	TEFC	**CESSWDM41906T**	23		30.0		92.4		90	6309	6208	F	24.67	CD0005	292
20	15	1780	256TC	TEFC	**CESSWDM23934T**	24		60.0		93.0		89	6309	6208	F	24.67	CD0005	300
C-face less base																		
0.5	0.37	3450	56C	TENV	**VSSWDM3537**	0.9	6.0	.75	66.9	70.0	72	76	6205	6203	E	11.09	CD0005	34
0.5	0.37	1750	56C	TENV	**VSSWDM3538**	0.8	6.5	1.5	73.6	75.5	68	76	6205	6203	E1	11.09	CD0005	37
0.5	0.37	1750	56C	TEFC	**VSSFWDM3538**	0.8	6.5	1.5	73.6	75.5	68	76	6205	6203	E1	12.88	CD0005	43
0.75	0.56	3450	56C	TENV	**VSSWDM3541**	1.1	11.7	1.1	78.7	80.0	73	80	6205	6203	E	11.09	CD0005	40
0.75	0.56	1750	56C	TENV	**VSSWDM3542**	1.0	9.6	2.3	77.5	78.5	71	80	6205	6203	E	12.09	CD0005	44
0.75	0.56	1750	56C	TEFC	**VSSFWDM3542**	1.0	9.6	2.3	77.5	75.5	71	80	6205	6203	E	12.88	CD0005	45
1	0.75	3450	56C	TENV	**VSSWDM3545**	1.3	12.4	1.5	83.1	82.5	82	88	6205	6203	F	11.09	CD0005	38
1	0.75	1740	56C	TENV	**VSSWDM3546**	1.4	10.7	3.0	87.0	85.5	74	81	6205	6203	E	12.09	CD0005	47
1	0.75	1740	56C	TEFC	**VSSFWDM3546**	1.4	10.7	3.0	87.0	85.5	74	81	6205	6203	E	14.94	CD0005	49
1.5	1.1	3500	56C	TENV	**VSSWDM3550**	2.0	23.5	2.3	85.2	85.5	81	87	6205	6203	F	12.09	CD0005	49
1.5	1.1	1750	145TC	TEFC	**VSSWDM3554T**	2.1	20.0	4.5	86.2	85.5	74	80	6205	6203	E	13.42	CD0005	51
2	1.5	3450	145TC	TEFC	**VSSWDM3555T**	2.6	30.0	3.0	82.5	84.0	83	87	6205	6203	E	14.30	CD0005	57
2	1.5	1725	145TC	TEFC	**VSSWDM3558T**	2.8	22.0	6.0	86.5	84.0	71	78	6205	6203	F	13.42	CD0005	52
3	2.2	3450	145TC	TEFC	**VSSWDM3559T**	3.7	37.5	4.5	85.1	85.5	86	89	6205	6203	E1	13.42	CD0005	57
3	2.2	1760	182TC	TEFC	**VSSWDM3611T**	4.1	31.2	9.0	88.2	87.5	63	77	6206	6205	E	16.82	CD0005	86
5	3.7	3450	184TC	TEFC	**VSSWDM3613T**	5.7	64.0	7.5	88.2	87.5	91	93	6206	6205	E	16.82	CD0005	92
5	3.7	1750	184TC	TEFC	**VSSWDM3615T**	6.5	48.0	15.0	88.4	87.5	73	80	6206	6205	E	18.32	CD0005	108

NOTE: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz. Efficiencies shown are nominal.
See page 42 for Connection Diagrams. See pages 28 and 33 for dimensions. Data subject to change without notice. Contact Baldor for certified data.

Paint Free Motors

Baldor "Paint-Free" Washdown Duty motors are designed for applications where use of caustic cleaning solutions and regular high-pressure wash downs may compromise the surface of a painted motor. Features include special processed cast endplates; 300 Series stainless steel motor frame, base, shaft and hardware; encapsulated windings; and a labyrinth seal on the drive end shaft extension to protect motor bearings by rotating and expelling contaminants. CES and VES motors are Super-E® with NEMA Premium® efficiency and 3-year warranty.



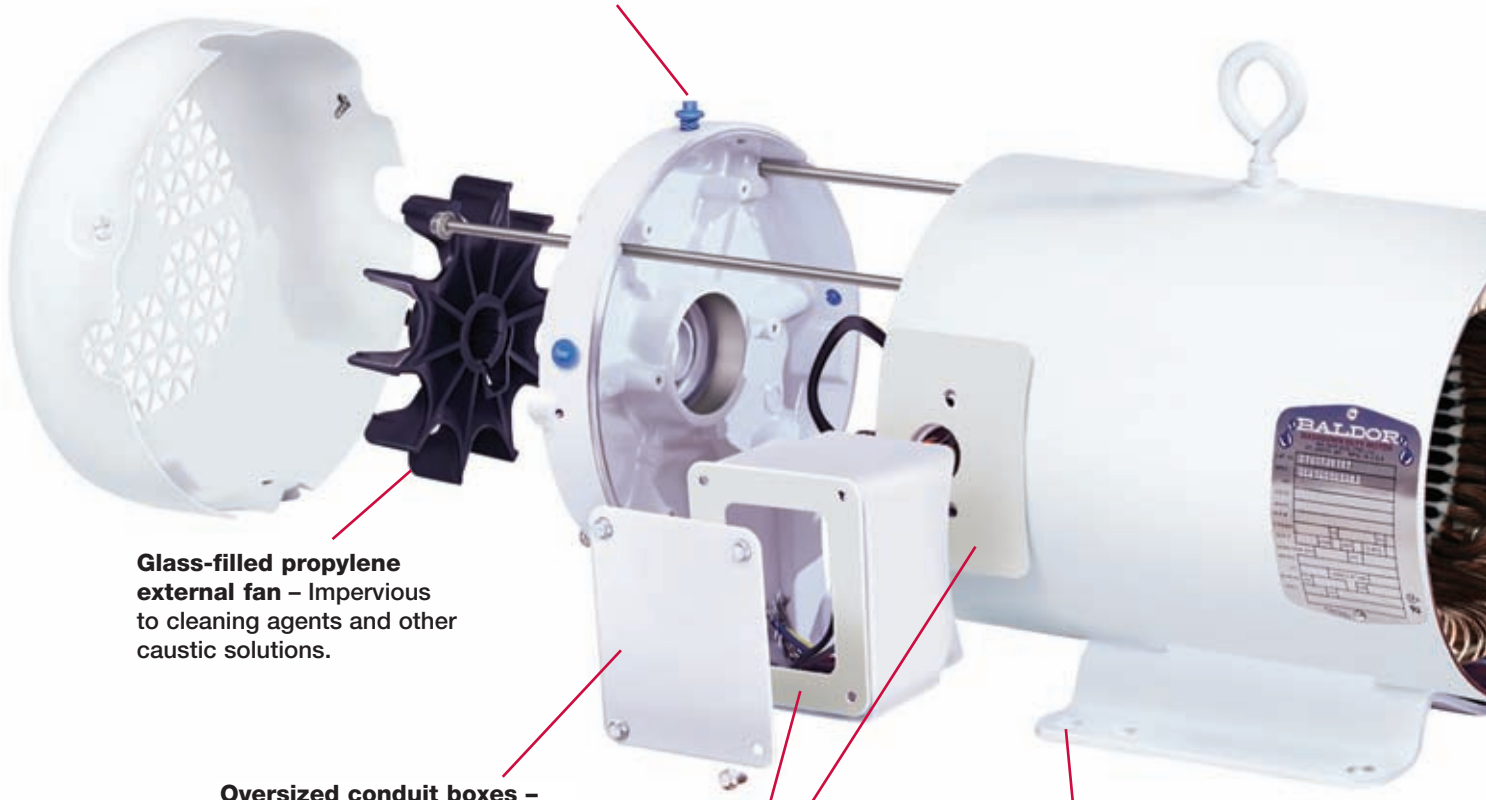
Performance Data: TEFC - Totally Enclosed Fan Cooled, TENV - Totally Enclosed Non-Ventilated, 230/460 Volts, Three Phase, 1 through 10 Hp

Hp	kW	RPM	Frame	Encl.	Catalog No.	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
						Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
Paint Free Super-E																			
1	0.75	1740	56C	TEMV	**CESWDM3546**	1.4	10.7	3.0	86.3	87.0	85.5	62	74	81	6205	6203	E	12.07	CD0005
1.5	1.1	1740	145TC	TEMV	**CESWDM3554T**	2.0	17.6	4.5	87.7	88.3	86.5	61	74	81	6205	6203	E1	12.95	CD0005
2	1.5	1725	145TC	TEFC	**CESWDM3558T**	2.7	19.6	6.0	88.1	88.1	86.5	66	77	82	6205	6203	E	14.19	CD0005
3	2.2	1760	182TC	TEFC	**CESWDM3611T**	4.0	33.0	9.0	88.4	89.7	89.5	61	72	78	6206	6205	E	16.56	CD0005
5	3.7	1750	184TC	TEFC	**CESWDM3615T**	6.5	53.7	15.0	89.7	90.7	90.2	62	74	80	6206	6205	E1	18.04	CD0005
7.5	5.6	1770	213TC	TEFC	**CESWDM3710T**	10.2	72.0	22.2	90.5	91.8	91.7	56	68	76	6307	6206	E1	19.81	CD0005
10	7.5	1760	215TC	TEFC	**CESWDM3714T**	15.0	104	30.0	91.0	92.2	91.7	56	70	75	6307	6206	F	21.31	CD0005
C-face with base																			
0.5	0.37	1725	56C	TEMV	**CSWDM3538**	0.8	6.25	1.5	72.4	76.2	75.5	64	76	83	6205	6203	E	11.07	CD0005
0.75	0.56	1725	56C	TEMV	**CSWDM3542**	1.1	8.50	2.3	77.9	79.9	80.0	55	71	81	6205	6203	E	11.07	CD0005
1	0.75	1725	56C	TEMV	**CSWDM3546**	1.6	11.3	3.0	75.4	79.3	81.5	58	71	74	6205	6203	E	12.07	CD0005
1	0.75	1725	143TC	TEMV	**CSWDM3546T**	1.6	11.3	3.0	75.4	79.3	81.5	58	71	74	6205	6203	E	12.12	CD0005
1.5	1.1	1725	56C	TEMV	**CSWDM3554**	2.1	18.3	4.5	78.0	81.7	82.5	65	72	82	6205	6203	E	12.24	CD0005
1.5	1.1	1725	145TC	TEMV	**CSWDM3554T**	2.1	18.3	4.5	78.0	81.7	82.5	65	72	82	6205	6203	E	13.00	CD0005
2	1.5	1725	56C	TEFC	**CSWDM3558**	2.8	22.0	6.0	85.8	86.5	84.0	57	71	78	6205	6203	F	13.24	CD0005
2	1.5	1725	145TC	TEFC	**CSWDM3558T**	2.8	22.0	6.0	85.8	86.5	84.0	57	71	78	6205	6203	F	13.30	CD0005
3	2.2	1750	182TC	TEFC	**CSWDM3611T**	4.1	32.4	8.9	86.1	87.8	87.5	59	71	78	6206	6205	E	16.56	CD0005
5	3.7	1750	184TC	TEFC	**CSWDM3615T**	6.5	48.0	15.0	88.3	88.4	87.5	61	73	80	6206	6205	E	18.06	CD0005
7.5	5.6	1760	213TC	TEFC	**CSWDM3710T**	10.0	82.0	22.0	82.1	81.7	89.5	61	73	80	6307	6206	E	19.81	CD0005
10	7.5	1760	215TC	TEFC	**CSWDM3714T**	13.0	119	29.9	86.4	88.8	89.5	61	73	76	6307	6206	E	20.56	CD0005
Paint Free Super-E																			
1	0.75	1740	56C	TEMV	**VESWDM3546**	1.4	10.7	3.0	86.3	87.0	85.5	62	74	81	6205	6203	E	12.07	CD0005
1.5	1.1	1740	56C	TEMV	**VESWDM3554**	2.0	17.6	4.5	87.7	88.3	86.5	61	74	81	6205	6203	E1	12.95	CD0005
1.5	1.1	1740	145TC	TEMV	**VESWDM3554T**	2.0	17.6	4.5	87.7	88.3	86.5	61	74	81	6205	6203	E1	13.00	CD0005
2	1.5	1725	145TC	TEFC	**VESWDM3558T**	2.7	19.6	6.0	88.1	88.1	86.5	66	74	82	6205	6203	E	14.19	CD0005
C-face less base																			
0.5	0.37	1725	56C	TEMV	**VSWDM3538**	0.8	6.25	1.5	72.4	76.2	75.5	64	76	83	6205	6203	E	11.07	CD0005
0.75	0.56	1725	56C	TEMV	**VSWDM3542**	1.1	8.50	2.3	77.9	79.9	80.0	55	71	81	6205	6203	E	11.07	CD0005
1	0.75	1725	56C	TEMV	**VSWDM3546**	1.6	11.3	3.0	75.4	79.3	81.5	58	71	74	6205	6203	E	12.07	CD0005
1	0.75	1725	143TC	TEMV	**VSWDM3546T**	1.6	11.3	3.0	75.4	79.3	81.5	58	71	74	6205	6203	E	12.12	CD0005
1.5	1.1	1725	56C	TEMV	**VSWDM3554**	2.1	18.3	4.5	78.0	81.7	82.5	65	72	82	6205	6203	E	12.95	CD0005
1.5	1.1	1725	145TC	TEMV	**VSWDM3554T**	2.1	18.3	4.5	78.0	81.7	82.5	65	72	82	6205	6203	E	13.00	CD0005
2	1.5	1725	145TC	TEFC	**VSWDM3558T**	3.1	22.0	6.0	82.2	83.7	82.5	59	72	77	6205	6203	E	13.31	CD0005

NOTE: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz.
See page 42 for Connection Diagrams. Efficiencies shown are nominal. See page 28 for dimensions.
Data subject to change without notice. Contact Baldor for certified data.

Baldor Washdown Duty Motors: Performance and reliability, inside and out

Maintenance-friendly drain design –
Four condensate drain holes in each endplate allow thorough drainage, regardless of motor's mounting position. Distinctive blue color of drain plugs makes them easy to recognize; new shape makes them easy to remove. Notched fan cover allows easy access to condensate drain plugs without removing fan cover. Paint-free and all stainless motors use screw-in stainless plugs.



Glass-filled propylene external fan – Impervious to cleaning agents and other caustic solutions.

Oversized conduit boxes – Exceed NEC standards; make connections easier.

Neoprene rubber gaskets on conduit box – Ensure a tight, waterproof seal.

Multiple foot mounting holes – Makes motor change-out easy.

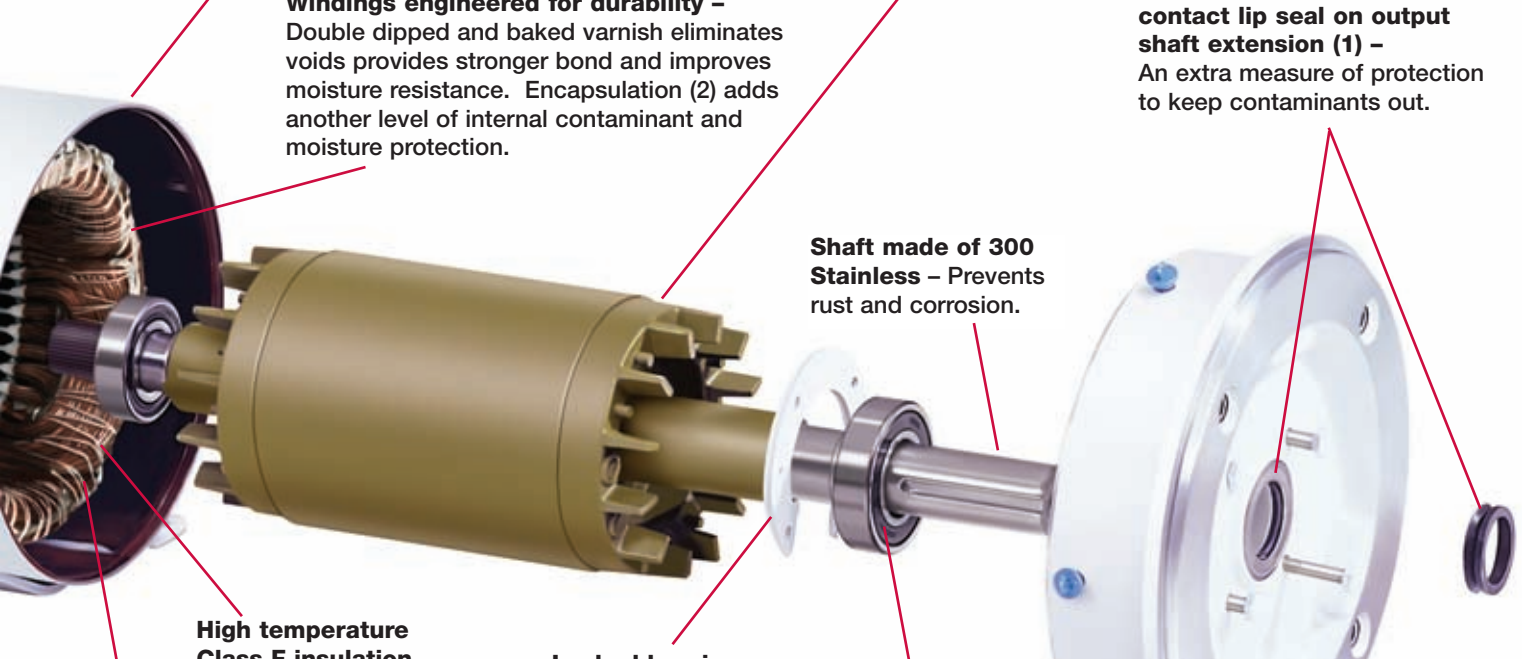
(1): Labyrinth seal on shaft extensions Standard on All Stainless and Paint-Free motors. Non-contacting seal protects the motor bearings by rotating and expelling contaminants.Drive end only on Paint-Free motors; both ends on All Stainless motors.
(2): Currently available on all Paint-Free and All Stainless motors

Improved exterior paint – 5 times better! Autophoretic® autodeposition surface preparation method makes finish coat five times more resistant to corrosion and chipping than previous methods. Withstands ASTM B117 salt spray test for over 500 hours. FDA approved epoxy powder coating electrostatically applied (inside and outside) on end-plate and conduit box for thorough corrosion prevention and long lasting finish.

Precision die cast aluminum rotor – Precision balanced and coated with an epoxy primer to resist corrosion.

Windings engineered for durability – Double dipped and baked varnish eliminates voids provides stronger bond and improves moisture resistance. Encapsulation (2) adds another level of internal contaminant and moisture protection.

Forsheda® slinger and contact lip seal on output shaft extension (1) – An extra measure of protection to keep contaminants out.



Shaft made of 300 Stainless – Prevents rust and corrosion.

High temperature Class F insulation with low temperature (Class B) rise – Provides longer insulation and bearing life.

Locked bearing construction on C-face motors – Reduces endplay and allows vertical mounting.

Exxon Polyrex® EM grease – Standard double sealed motor bearings better for improved lubrication life. PolyrexEM has greater shear stability and superior resistance to washout, rust and corrosion.

Exclusive ISR® (Inverter Spike Resistant) magnet wire – Up to 100 times more resistant to voltage spikes; provides an added thermal safety margin.

Premium Efficient Super-E® Washdown Motors

NEMA Premium®

For multi-shift food and pharmaceutical processing applications, Baldor Super-E Washdown motors deliver both reliability and energy cost savings. These NEMA Premium® Inverter Ready motors share the rugged mechanical characteristics of Baldor's Standard Washdown Motors.

Performance Data: TEFC - Totally Enclosed Fan Cooled, TENV - Totally Enclosed Non-Ventilated, 230/460 Volts, Three Phase, 1 through 20 Hp

Hp	kW	RPM	Frame	Encl.	Catalog No.	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %		Power Factor %		Bearings		Volt Code	"C" Dim.	Conn. Diag. No.	Reliance M/N
						Full Load	Locked Rotor		3/4	Full Load	3/4	Full Load	DE	ODE				
Rigid base																		
1	0.75	1740	143T	TENV	**EWDM3546T**	1.4	12.2	3.0	87.8	86.5	70	78	6205	6203	E	12.12	CD0005	P14X4200
1.5	1.1	1740	145T	TENV	**EWDM3554T**	2.0	17.6	4.5	88.3	86.5	74	81	6205	6203	E1	13.00	CD0005	P14X4201
2	1.5	1725	145T	TEFC	**EWDM3558T**	2.7	19.6	6.0	88.3	86.5	76	82	6205	6203	E	14.18	CD0005	P14X4202
3	2.2	1760	182T	TEFC	**EWDM3611T**	4.1	32.0	9.0	90.0	89.5	71	77	6206	6205	E	16.54	CD0005	—
5	3.7	1750	184T	TEFC	**EWDM3615T**	6.5	53.7	15.0	90.7	90.2	74	80	6206	6205	E1	18.04	CD0005	—
7.5	5.6	1770	213T	TEFC	**EWDM3710T**	9.4	72.0	22.2	91.8	91.7	75	81	6307	6206	E1	19.04	CD0005	—
10	7.5	1760	215T	TEFC	**EWDM3714T**	12.5	93.8	30.0	93.0	92.4	77	82	6307	6206	F	20.54	CD0005	—
C-face with base																		
1	0.75	3450	56C	TEFC	**CEWDM3545**	1.4	12.1	1.5	83.6	84.0	77	82	6205	6203	F	12.24	CD0005	—
1	0.75	1750	56C	TENV	**CEWDM3546**	1.4	14.1	3.0	88.4	87.5	73	80	6205	6203	F	12.94	CD0005	—
1	0.75	1740	143TC	TENV	**CEWDM3546T**	1.4	12.2	3.0	87.8	86.5	70	78	6205	6203	E	12.13	CD0005	P14X4206
1	0.75	1150	56C	TEFC	**CEWDM3556**	1.8	9.9	4.5	82.9	82.5	54	63	6205	6203	E	13.24	CD0005	—
1.5	1.1	3450	56C	TEFC	**CEWDM3550**	2.0	20.1	2.3	84.3	85.5	78	83	6205	6203	E	13.24	CD0005	—
1.5	1.1	1740	145TC	TENV	**CEWDM3554T**	2.0	17.6	4.5	88.3	86.5	74	81	6205	6203	E1	13.00	CD0005	P14X4207
2	1.5	3450	56HCY	TEFC	**CEWDM3555**	2.5	30.0	3.0	86.2	86.5	80	85	6205	6203	E	14.12	CD0005	—
2	1.5	3450	145TC	TEFC	**CEWDM3555T**	2.5	30.0	3.0	86.2	86.5	80	85	6205	6203	E	14.17	CD0005	—
2	1.5	1725	145TC	TEFC	**CEWDM3558T**	2.7	19.6	6.0	88.3	86.5	76	82	6205	6203	E	14.17	CD0005	P14X4208
3	2.2	3475	145TC	TEFC	**CEWDM3559T**	3.6	37.9	4.5	86.8	86.5	88	91	6205	6203	F	15.55	CD0005	—
3	2.2	1760	182TC	TEFC	**CEWDM3611T**	4.1	32.0	9.0	90.0	89.5	71	77	6206	6205	E	16.54	CD0005	—
5	3.7	3500	184TC	TEFC	**CEWDM3613T**	5.6	55.0	7.5	90.8	89.5	90	93	6206	6205	E	16.54	CD0005	—
5	3.7	1750	184TC	TEFC	**CEWDM3615T**	6.5	53.7	15.0	90.7	90.2	74	80	6206	6205	E1	18.04	CD0005	—
7.5	5.6	3500	213TC	TEFC	**CEWDM3709T**	8.6	86.0	11.2	91.2	91	88	90	6307	6206	E	19.65	CD0005	—
7.5	5.6	1770	213TC	TEFC	**CEWDM3710T**	9.4	72.0	22.2	91.8	91.7	75	81	6307	6206	E1	19.78	CD0005	—
10	7.5	3500	215TC	TEFC	**CEWDM3711T**	11.2	120	15.0	92.9	91.7	89	92	6307	6206	E1	19.78	CD0005	—
10	7.5	1760	215TC	TEFC	**CEWDM3714T**	12.5	93.8	30.0	93.0	92.4	77	82	6307	6206	F	20.53	CD0005	—
15	11.1	3500	254TC	TEFC	**CEWDM23994T**	16.6	161	22.2	92.8	91.0	87	90	6309	6206	F	21.94	CD0005	—
15	11.1	3500	215TC	TEFC	**CEWDM3713T**	16.6	161	22.2	92.8	91.0	87	90	6307	6206	F	21.26	CD0005	—
15	11.1	1765	254TC	TEFC	**CEWDM23933T**	18.0	125	45.0	93.0	92.4	81	84	6309	6208	F	23.57	CD0005	—
20	15	3520	256TC	TEFC	**CEWDM41906T**	22.5	166	29.8	93.0	92.4	86	90	6309	6208	F	23.57	CD0005	—
20	15		256TC	TEFC	**CEWDM23934T**	24.0	171	60.0	93.5	93.0	79	84	6309	6208	F	23.57	CD0005	—
C-face less base																		
1	0.75	1750	56C	TENV	**VEWDM3546**	1.4	14.1	3.0	88.4	87.5	73	80	6205	6203	F	12.94	CD0005	—
1	0.75	1750	143TC	TENV	**VEWDM3546T**	1.4	14.1	3.0	88.4	87.5	73	80	6205	6203	F	13.00	CD0005	P14X4212
1	0.75	1765	143TC	TEFC	**VEFWDM3546T**	1.5	15.0	3.0	87.0	87.5	60	70	6205	6203	E1	13.30	CD0005	P14X4212
1.5	1.1	1740	56C	TENV	**VEWDM3554**	2.0	17.6	4.5	88.3	86.5	74	81	6205	6203	E1	12.94	CD0005	—
1.5	1.1	1740	145TC	TENV	**VEWDM3554T**	2.0	17.6	4.5	88.3	86.5	74	81	6205	6203	E1	13.00	CD0005	P14X4213
1.5	1.1	1760	143TC	TEFC	**VEFWDM3554T**	2.1	19.7	4.5	88.2	89.5	68	76	6205	6203	E1	14.18	CD0005	P14X4213
2	1.5	1725	56C	TEFC	**VEWDM3558**	2.7	19.6	6.0	88.3	86.5	76	82	6205	6203	E	14.18	CD0005	—
2	1.5	1725	145TC	TEFC	**VEWDM3558T**	2.7	19.6	6	88.3	86.5	76	82	6205	6203	E	14.18	CD0005	P14X4214
3	2.2	1760	182TC	TEFC	**VEWDM3611T**	4.1	32.0	9.0	90.0	89.5	71	77	6206	6205	E	16.54	CD0005	—
5	3.7	1750	184TC	TEFC	**VEWDM3615T**	6.5	53.7	15.0	90.7	90.2	74	80	6206	6205	E1	18.05	CD0005	—
7.5	5.6	1770	213TC	TEFC	**VEWDM3710T**	9.4	72.0	22.2	91.8	91.7	75	81	6307	6206	E1	19.78	CD0005	—
10	7.5	1760	215TC	TEFC	**VEWDM3714T**	12.5	93.8	30.0	93.0	92.4	77	82	6307	6206	E	21.27	CD0005	—

NOTE: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz; H = 575V, 60Hz.
See page 42 for Connection Diagrams. Efficiencies shown are nominal. See page 28 for dimensions. Data subject to change without notice. Contact Baldor for certified data. Baldor has suggested alternate products, however there may be slight differences in performance, efficiency, voltage range, dimensions and mounting. Customers should verify suitability of selected products for their specific application.

Washdown Motors

The standard in the food and pharmaceutical processing industries for more than 15 years, the Baldor Washdown Duty motors recently raised the bar once again with more features to improve reliability. A new exterior paint process makes the finish coat five times more resistant to corrosion and chipping. Exxon Polyrex® EM grease provides improve lubrication life, provides greater shear stability and superior resistance to washout, rust and corrosion. Distinctive blue colored drain plugs make them easy to recognize; new shape makes themeasy to remove.

Performance Data: TEFC - Totally Enclosed Fan Cooled, TENV - Totally Enclosed Non-Ventilated, 230/460 Volts, Three Phase, 1/2 through 20 Hp

Hp	kW	RPM	Frame	Encl.	Catalog No.	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %		Power Factor %		Bearings		Volt Code	"C" Dim.	Conn. Diag. No.	Reliance M/N
						Full Load	Locked Rotor		3/4	Full Load	3/4	Full Load	DE	ODE				
Rigid base																		
0.5	0.37	1725	56	TENV	**WDM3538**	0.8	6.25	1.5	76.2	75.5	76	83	6205	6203	E1	11.07	CD0005	P56X4720
0.75	0.56	1725	56	TENV	**WDM3542**	1.1	8.5	2.3	79.9	80.0	71	81	6205	6203	E1	11.07	CD0005	P56X4721
1	0.75	1725	143T	TENV	**WDM3546T**	1.6	11.3	3.0	79.3	81.5	71	74	6205	6203	E	12.12	CD0005	P14X4800
1.5	1.1	1725	145T	TENV	**WDM3554T**	2.1	18.3	4.5	81.7	82.5	72	82	6205	6203	E	13.00	CD0005	P14X4801
2	1.5	1740	145T	TEFC	**WDM3558T**	2.8	21.6	6.0	85.2	84.0	74	81	6205	6203	E	14.08	CD0005	P14X4802
3	2.2	1750	182T	TEFC	**WDM3611T**	4.1	32.4	8.9	85.1	87.5	71	78	6206	6205	E	16.54	CD0005	—
5	3.7	1750	184T	TEFC	**WDM3615T**	7.1	53.6	12.0	88.2	87.5	69	75	6206	6205	E	16.54	CD0005	—
7.5	5.6	1760	213T	TEFC	**WDM3710T**	9.8	65.2	22.3	89.8	89.5	74	80	6307	6206	E	17.89	CD0005	—
10	7.5	1760	215T	TEFC	**WDM3714T**	14.2	91.2	29.9	90.2	89.5	74	80	6307	6206	E	19.04	CD0005	—
C-face with base																		
0.5	0.37	3450	56C	TENV	**CWDM3537**	0.9	6.0	0.75	66.9	70.0	72	76	6205	6203	E	11.07	CD0005	P56X4700
0.5	0.37	1725	56C	TENV	**CWDM3538**	0.8	6.25	1.5	76.2	75.5	76	83	6205	6203	E1	11.07	CD0005	P56X4706
0.5	0.37	1140	56C	TENV	**CWDM3539**	1.0	5.6	2.3	76.4	77.0	57	66	6205	6203	E1	12.07	CD0005	P56X4711
0.75	0.56	3450	56C	TENV	**CWDM3541**	1.1	8.1	1.14	78.7	80.0	73	80	6205	6203	E1	11.07	CD0005	P56X4701
0.75	0.56	1725	56C	TENV	**CWDM3542**	1.1	8.50	2.3	79.9	80.0	71	81	6205	6203	E1	11.07	CD0005	P56X4707
0.75	0.56	1140	56C	TENV	**CWDM3543**	1.3	15.1	3.5	78.0	78.5	63	70	6205	6203	E	12.94	CD0005	P56X4712
1	0.75	3450	56C	TENV	**CWDM3545**	1.3	8.9	1.5	83.1	82.5	82	88	6205	6203	F	11.07	CD0005	P56X4702
1	0.75	1725	56C	TENV	**CWDM3546**	1.6	11.3	3.0	79.3	81.5	71	74	6205	6203	E	12.07	CD0005	P56X4708
1	0.75	1725	143TC	TENV	**CWDM3546T**	1.6	11.3	3.0	79.3	81.5	71	74	6205	6203	E	12.13	CD0005	P56X4709
1	0.75	1140	56C	TEFC	**CWDM3556**	1.7	8.0	4.5	74.1	75.5	58	69	6205	6203	E	13.24	CD0005	—
1.5	1.1	3450	56C	TEFC	**CWDM3550**	2.3	16.0	2.3	72.7	75.5	71	76	6205	6203	F	12.24	CD0005	P56X4703
1.5	1.1	1725	56C	TEFC	**CWDM3554**	2.5	17.0	4.5	77.1	78.5	63	72	6205	6203	e	12.24	CD0005	P56X4709
1.5	1.1	1725	145TC	TEFC	**CWDM3554T**	2.1	18.3	4.5	81.7	82.5	72	82	6205	6203	E	13.00	CD0005	P14X4810
1.5	1.1	1140	56C	TEFC	**CWDM3557**	2.5	10.6	7.0	78.4	75.5	67	68	6205	6203	F	13.24	CD0005	—
2	1.5	3450	56HCY	TEFC	**CWDM3555**	2.7	17.5	3.0	80.3	78.5	87	93	6205	6203	E	13.24	CD0005	P56X4704
2	1.5	3450	145TC	TEFC	**CWDM3555T**	2.6	24.3	3.0	83.8	84.0	80	88	6205	6203	E	13.30	CD0005	P14X4806
2	1.5	1725	56C	TEFC	**CWDM3558**	3.1	22.0	6.0	83.7	82.5	72	77	6205	6203	E	14.17	CD0005	P56X4710
2	1.5	1740	145TC	TEFC	**CWDM3558T**	2.8	21.6	6.0	85.1	84.0	74	81	6205	6203	E	14.17	CD0005	P14X4811
2	1.5	1160	184TC	TEFC	**CWDM3614T**	3.5	18.6	9.0	86.6	86.5	55	63	6206	6205	E	16.54	CD0005	—
3	2.2	3460	145TC	TEFC	**CWDM3559T**	3.7	37.5	4.5	85.1	85.5	86	89	6205	6203	E	14.17	CD0005	P14X4807
3	2.2	3450	182TC	TEFC	**CWDM3610T**	3.7	37.5	4.5	85.1	85.5	86	89	6206	6203	E	15.18	CD0005	—
3	2.2	1750	182TC	TEFC	**CWDM3611T**	4.1	32.4	8.9	87.8	87.5	71	78	6206	6205	E	16.54	CD0005	—
3	2.2	1165	213TC	TEFC	**CWDM3704T**	4.6	31.0	13.5	87.9	87.5	62	69	6307	6206	E	18.65	CD0005	—
5	3.7	3450	184TC	TEFC	**CWDM3613T**	6.0	56.0	7.6	88.4	87.5	89	92	6206	6205	E	16.54	CD0005	—
5	3.7	1750	184TC	TEFC	**CWDM3615T**	7.1	53.6	12.0	88.3	87.5	69	75	6206	6205	E	16.54	CD0005	—
5	3.7	1155	215TC	TEFC	**CWDM3708T**	7.5	50.0	22.8	88.1	87.5	65	72	6307	6206	E	19.78	CD0005	—
7.5	5.6	3450	184TC	TEFC	**CWDM3616T**	8.7	98.8	11.5	89.3	88.5	91	93	6206	6205	E	18.04	CD0005	—
7.5	5.6	3450	213TC	TEFC	**CWDM3709T**	8.7	94.0	11.3	89.3	88.5	91	93	6207	6205	E	18.54	CD0005	—
7.5	5.6	1760	213TC	TEFC	**CWDM3710T**	9.8	65.2	22.2	89.8	89.5	74	80	6307	6206	E	18.65	CD0005	—
7.5	5.6	1175	254TC	TEFC	**CWDM22976T**	11.2	68.1	33.5	89.8	89.5	64	70	6309	6208	E	23.57	CD0005	—
10	7.4	3500	215TC	TEFC	**CWDM3711T**	11.5	84.0	15.0	90.8	89.5	88	91	6307	6206	E	18.65	CD0005	—
10	7.4	1760	215TC	TEFC	**CWDM3714T**	13.0	91.2	29.9	90.2	89.5	74	80	6307	6206	E	19.78	CD0005	—
10	7.4	1175	256TC	TEFC	**CWDM23932T**	15.3	99.0	44.0	88.9	89.5	65	69	6309	6208	E	23.57	CD0005	—
15	11.1	3450	215TC	TEFC	**CWDM3713T**	17.0	152	22.6	91.9	90.2	90	91	6307	6206	E	21.26	CD0005	—
15	11.1	3450	254TC	TEFC	**CWDM23994T**	17.0	152	22.6	91.9	90.2	90	91	6309	6206	E	21.94	CD0005	—
15	11.1	1760	254TC	TEFC	**CWDM23933T**	17.3	115	42.6	91.5	91	81	89	6309	6208	E1	23.57	CD0005	—
20	15	3525	256TC	TEFC	**CWDM41906T**	22.7	188	30.0	91.1	91	88	90	6309	6208	E1	23.57	CD0180	—
20	15	1760	256TC	TEFC	**CWDM23934T**	23.0	164	60.0	91.9	91.7	84	89	6309	6208	E1	23.57	CD0005	—

NOTE: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz; H = 575V, 60Hz.
See page 42 for Connection Diagrams. Efficiencies shown are nominal. See page 28 for dimensions. Data subject to change without notice. Contact Baldor for certified data. Baldor has suggested alternate products, however there may be slight differences in performance, efficiency, voltage range, dimensions and mounting. Customers should verify suitability of selected products for their specific application.

Washdown Motors continued…

Performance Data: TEFC - Totally Enclosed Fan Cooled, TENV - Totally Enclosed Non-Ventilated, 230/460 Volts, Three Phase, 1/2 through 20 Hp and 575 Volts, Three Phase, 1/2 through 5 Hp

Hp	kW	RPM	Frame	Encl.	Catalog No.	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %		Power Factor %		Bearings		Volt Code	"C" Dim.	Conn. Diag. No.	Reliance M/N
						Full Load	Locked Rotor		3/4	Full Load	3/4	Full Load	DE	ODE				
C-face less base																		
0.5	0.37	1725	56C	TENV	**VWDM3538**	0.8	6.25	1.5	76.2	75.5	76	83	6205	6203	E1	11.06	CD0005	P56X4715
0.75	0.56	1725	56C	TENV	**VWDM3542**	1.1	8.5	2.3	79.9	80.0	71	81	6205	6203	E1	11.06	CD0005	P56X4716
1	0.75	1725	56C	TENV	**VWDM3546**	1.6	11.3	3.0	79.3	81.5	71	74	6205	6203	E	12.07	CD0005	P56X4717
1	0.75	1725	143TC	TENV	**VWDM3546T**	1.6	11.3	3.0	79.3	81.5	71	74	6205	6203	E	12.13	CD0005	P14X4212
1.5	1.1	1725	56C	TENV	**VWDM3554**	2.1	18.3	4.5	81.7	82.5	72	82	6205	6203	E	12.94	CD0005	P56X4718
1.5	1.1	1725	145TC	TENV	**VWDM3554T**	2.1	18.3	4.5	81.7	82.5	72	82	6205	6203	E	13.00	CD0005	P14X4816
2	1.5	1725	56C	TEFC	**VWDM3558**	3.1	22.0	6.0	83.7	82.5	72	77	6205	6203	E	13.24	CD0005	P56X4714
2	1.5	1725	145TC	TEFC	**VWDM3558T**	3.1	22.0	6.0	83.7	82.5	72	77	6205	6203	E	13.30	CD0005	P14X4815
3	2.2	1725	182TC	TEFC	**VWDM3611T**	4.1	35.0	9.0	83.0	84.0	75	82	6206	6203	E	15.18	CD0005	—
5	3.7	1725	184TC	TEFC	**VWDM3615T**	6.6	55.0	15	86.1	85.5	80	80	6206	6205	E	16.54	CD0005	—
7.5	5.6	1760	213TC	TEFC	**VWDM3710T**	10.8	76.2	22.3	85.5	86.5	71	78	6307	6206	E	18.63	CD0005	—
10	7.5	1725	215TC	TEFC	**VWDM3714T**	13.0	110	30.0	88.1	87.5	76	82	6307	6206	E	19.78	CD0005	—
575 Volt, C-face with base																		
0.5	0.37	1725	56C	TENV	**CWDM3538-5**	0.6	5.0	1.5	77.0	78.5	69	77	6205	6203	H	11.07	CD0006	P56X4725
0.75	0.56	1725	56C	TENV	**CWDM3542-5**	0.9	6.8	2.3	79.9	80.0	68	81	6205	6203	H	11.07	CD0006	P56X4726
1	0.75	1725	56C	TENV	**CWDM3546-5**	1.3	9.0	3.0	79.3	81.0	71	74	6205	6203	H	12.07	CD0006	P56X4727
1	0.75	1750	56C	TENV	**CEWDM3546-5**	1.1		3.0		87.5		80	6205	6203	H	12.94	CD0006	—
1.5	1.1	1725	145TC	TENV	**CWDM3554T-5**	1.7	14.6	4.5	81.7	82.5	72	82	6205	6203	H	13.00	CD0006	P14X4820
1.5	1.1	1725	145TC	TENV	**CEWDM3554T-5**	1.6		4.5		86.5			6205	6203	H	13.00	CD0006	—
2	1.5	1740	145TC	TEFC	**CWDM3558T-5**	2.2	16.8	6.0	85.2	84.0	73	79	6205	6203	H	13.30	CD0006	P14X4821
2	1.5	1740	145TC	TEFC	**CEWDM3558T-5**	2.2		6.0		86.5			6205	6203	H	16.54	CD0006	—
3	2.2	1750	182TC	TEFC	**CWDM3611T-5**	3.3	25.9	8.9	87.8	87.5	71	78	6206	6205	H	16.54	CD0006	—
3	2.2	1750	182TC	TEFC	**CEWDM3611T-5**	3.1		9.0		89.5			6206	6205	H	16.54	CD0006	—
5	3.7	1750	184TC	TEFC	**CWDM3615T-5**	5.7	43.5	14.9	88.2	87.5	69	75	6206	6205	H	16.54	CD0006	—
5	3.7	1750	184TC	TEFC	**CEWDM3615T-5**	5.2		15.0		90.2			6206	6205	H	18.04	CD0006	—
7.5	5.6	1760	254TC	TEFC	**CEWDM3710T-5**	8.2		22.5		91.7			6206	6205	H	19.78	CD0006	—
10	7.4	1760	254TC	TEFC	**CEWDM3714T-5**	10.1		30.0		92.4			6206	6205	H	21.27	CD0006	—
15	11.1	1760	254TC	TEFC	**CEWDM23933T-5**	14.8		45.0		92.4			6206	6205	H	23.57	CD0006	—
20	15.0	1760	254TC	TEFC	**CEWDM23934T-5**	19.2		60.0		93.0			6206	6205	H	23.57	CD0006	—
Three Phase, 575 Volt, C-face, less base																		
0.5	0.37	1725	56C	TENV	**VWDM3538-5**	0.6	5.0	1.5	77.0	78.5	76	77	6206	6205	H	11.07	CD0006	P56X4746
0.75	0.56	1725	56C	TENV	**VWDM3542-5**	0.9	6.8	2.3	79.9	80.0	68	81	6206	6205	H	11.06	CD0006	P56X4747
1	0.75	1725	56C	TENV	**VWDM3546-5**	1.3	9.0	3.0	79.3	81.0	71	74	6206	6205	H	12.06	CD0006	P56X4748
1.5	1.1	1725	145TC	TENV	**VWDM3554T-5**	1.7	14.6	4.5	81.7	82.5	72	82	6206	6205	H	12.94	CD0006	P14X4841
2	1.5	1740	145TC	TEFC	**VWDM3558T-5**	2.2	16.8	6.0	85.2	84.0	73	79	6206	6205	H	13.94	CD0006	P14X4842

NOTE: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz; H = 575V, 60Hz.
See pages 42 and 43 for Connection Diagrams. Efficiencies shown are nominal. See page 28 for dimensions.
Data subject to change without notice. Contact Baldor for certified data.
Baldor has suggested alternate products, however there may be slight differences in performance, efficiency, voltage range, dimensions and mounting. Customers should verify suitability of selected products for their specific application.

Washdown Super-E® Brake Motors

NEMA Premium®

Baldor Super-E brake motors meet or exceed NEMA Premium® efficiency and are built to the standards of Baldor's white washdown duty motors. These brake motors have their spring-set brakes mounted opposite the drive end, allowing a NEMA-standard BA dimension. Brake coils are connected inside the conduit box allowing easy access for separate connection when used with an adjustable speed drive. Inverter Spike Resistant magnet wire.

Performance Data: TENV & TEFC, Rigid Base, 230/460 volts, 1 through 5 HP

Hp	kW	RPM	Frame	Encl.	Catalog No.	Amps @ 460V ①		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Volt Code	"C" Dim.	Conn. Diag. No.	Brake Rating
						Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load				
1/2	0.37	1750	56C	TENV	**CEWDBM3538**	0.8	6.3	1.5	76.6	80.8	82.5	54	67	72	F	15.31	CD0005	3
3/4	0.56	1740	56C	TENV	**CEWDBM3542**	1.1	17.3	2.3	80.5	83.4	82.5	55	67	75	F	15.31	CD0005	6
1	0.75	1740	56C	TENV	**CEWDBM3546**	1.4	12.2	3.0	86.9	87.8	86.5	57	70	78	E	16.31	CD0005	6
1	0.75	1740	143TC	TENV	**CEWDBM3546T**	1.4	12.2	3.0	86.9	87.8	86.5	57	70	78	E	17.26	CD0005	10
1 1/2	1.1	1740	145TC	TENV	**CEWDBM3554T**	2.0	17.6	4.5	87.7	88.3	86.5	61	74	81	E1	18.14	CD0005	10
2	1.5	1725	145TC	TEFC	**CEWDBM3558T**	2.7	19.6	6.0	87.9	88.3	86.5	64	76	82	E	19.44	CD0005	10
3	2.2	1760	182TC	TEFC	**CEWDBM3611T**	4.1	32.0	9.0	89.1	90.0	89.5	58	71	77	E	21.80	CD0005	15
5	3.7	1750	184TC	TEFC	**CEWDBM3615T**	6.5	53.7	15.0	89.7	90.7	90.2	62	74	80	E1	23.30	CD0005	25

NOTE: Volt Code: E = 208-230/460 volts, E1 = 230/460V, 60Hz, usable at 208V, F = 230/460 volts, 60 Hz.
① Amps at 460V - double for 230V. See page 42 for Connection Diagram. See pages 32-33 for dimensions.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Single Phase Washdown Motors

In food or pharmaceutical processing applications where limited voltage is available, or where there's an opportunity to operate additional equipment from the same line, Baldor offers Single Phase Washdown Motors. These motors have the same mechanical design characteristics as Baldor's three phase painted Washdown duty motors.

Performance Data: TEFC - Totally Enclosed Fan Cooled, 115/230 Volts, Single Phase, 1/2 through 1-1/2 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.	Reliance M/N
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE				
C-face with base																			
0.5	0.37	1725	56C	**CWDL3504**	4.0	24.0	1.5	52.0	60.0	64.0	45	54	63	6205	6203	B	12.23	CD0001	C56H6714
0.75	0.56	1725	56C	**CWDL3507**	5.5	34.0	2.25	62.0	68.0	68.0	47	59	64	6205	6203	B	12.23	CD0001	C56H6711
1	0.75	3450	56C	**CWDL3509**	5.9	38.0	1.5	61.0	67.0	68.0	64	72	82	6205	6203	B	12.23	CD0001	C56H6702
1	0.75	1725	56C	**CWDL3510**	6.4	35.0	3.0	67.6	70.0	67.0	53	67	73	6205	6203	B	13.23	CD0001	C56H6712
1.5	1.1	3450	56C	**CWDL3513**	8.0	42.0	2.3	68.0	70.0	70.0	68	78	85	6205	6203	B	13.23	CD0001	C56H6703
1.5	1.1	1725	56C	**CWDL3514**	8.0	57.0	4.5	71.6	76.1	75.5	59	72	80	6205	6203	B	14.12	CD0016A01	C56H6713
C-face less base																			
0.5	0.37	1725	56C	**VWDL3504**	4.0	24.0	1.50	52.0	60.0	64.0	45	54	63	6205	6203	B	12.25	CD0001	C56H6724
0.75	0.56	1725	56C	**VWDL3507**	5.5	34.6	2.25	62.0	68.0	68.0	47	59	64	6205	6203	B	12.25	CD0001	C56H6721
1	0.75	1725	56C	**VWDL3510**	6.4	35.0	3.0	67.6	70.0	67.0	53	67	73	6205	6203	B	13.25	CD0001	C56H6722
1.5	1.1	1725	56C	**VWDL3514**	8.0	57.0	4.5	71.6	76.1	75.5	59	72	80	6205	6203	B	14.10	CD0016A01	C56H6723

NOTE: Volt Code: B = 115/230 volts, usable at 208 volts, 60 Hz. See pages 42 and 43 for Connection Diagram. See page 34 for dimensions.
Baldor has suggested alternate products, however there may be slight differences in performance, efficiency, voltage range, dimensions and mounting. Customers should verify suitability of selected products for their specific application.

Close-Coupled Pump Washdown Motors

Baldor close-coupled pump washdown motors are for commercial and industrial water pump applications, or food processing applications that are exposed to high-pressure washdowns. Features over-sized ball bearings with locked drive end construction to minimize shaft movement. Contaminant and moisture-prevention features include a moisture sealant on the bolt heads between the frame and endplates, neoprene gaskets, and a Forsheda® running contact V-ring.

Performance Data: TEFC - Totally Enclosed Fan Cooled, TENV - Totally Enclosed Non-Ventilated, 230/460 Volts usable at 208 Volts, Three Phase, 1 through 15 Hp

Hp	kW	RPM	Frame	Encl.	Catalog No.	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
						Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
1	0.75	1725	143JM	TENV	**JMWDM3546T**	1.6	11.3	3.0	75.4	79.3	81.5	58	71	74	6206	6203	E	14.25	CD0005
1.5	1.1	3450	143JM	TEFC	**JMWDM3550T**	2.3	16.0	2.3	66.7	72.7	75.5	59	71	76	6206	6203	F	13.68	CD0005
1.5	1.1	1725	145JM	TEFC	**JMWDM3554T**	2.1	18.3	4.5	78.0	81.7	82.5	65	72	82	6206	6203	E	13.38	CD0005
2	1.5	3450	145JM	TEFC	**JMWDM3555T**	2.7	17.5	3	78.2	80.3	78.5	80	87	93	6206	6203	E	13.68	CD0005
2	1.5	1725	145JM	TEFC	**JMWDM3558T**	3.1	22.0	6.0	82.2	83.7	82.5	59	72	77	6206	6203	E	13.68	CD0005
3	2.2	3450	145JM	TEFC	**JMWDM3559T**	3.8	32.9	4.6	83.0	84.3	82.5	74	83	89	6206	6203	E	13.68	CD0005
3	2.2	1725	182JM	TEFC	**JMWDM3611T**	4.1	35.0	9.0	81.0	83.0	84	63	75	82	6207	6203	E	15.02	CD0005
5	3.7	3450	184JM	TEFC	**JMWDM3613T**	6.0	47.0	7.5	85.8	86.5	85.5	88	93	93	6207	6205	E	18.05	CD0005
5	3.7	1725	184JM	TEFC	**JMWDM3615T**	6.6	55.0	15.0	85.9	86.1	85.5	69	80	80	6207	6205	E	18.05	CD0005
7.5	5.6	3450	184JM	TEFC	**JMWDM3616T**	8.6	76.0	11.3	87.8	88.1	87.5	84	90	94	6207	6205	E	19.55	CD0005
7.5	5.6	1760	213JM	TEFC	**JMWDM3710T**	10.8	76.2	22.3	83.7	86.5	86.5	59	71	78	6309	6206	E	19.78	CD0005
10	7.5	3450	215JM	TEFC	**JMWDM3711T**	12.0	105.	15.0	85.0	86.0	85.5	88	90	91	6309	6206	E	19.78	CD0005
10	7.5	1725	215JM	TEFC	**JMWDM3714T**	13.0	110	30.0	86.8	88.1	87.5	65	76	82	6309	6206	E	20.91	CD0005
15	11.1	3450	215JM	TEFC	**JMWDM3713T**	17.0	175	22.8	85.2	86.9	86.5	84	91	95	6309	6206	F	20.91	CD0005

NOTE: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz; H = 575V, 60Hz.
See page 42 for Connection Diagrams. Efficiencies shown are nominal. See page 29 for dimensions.
Data subject to change without notice. Contact Baldor for certified data.

Feather Picker Washdown Motors

Baldor Feather Picker motors are designed to withstand punishing, high-pressure, wet environments common in poultry processing plants. Dimensions, shaft and top-mounted conduit box configurations make these motors interchangeable with most OEM poultry processing equipment. These motors have the same mechanical design characteristics as Baldor's three phase painted Washdown duty motors.

Performance Data: TEFC - Totally Enclosed Fan Cooled, 230/460 Volts, usable at 208 Volts, Three Phase, 2 and 3 Hp

Hp	kW	RPM	Frame	Catalog No.	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn. Diag. No.
					Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
2	1.5	1740	145T	**WDM3558TP**	2.8	21.0	6.0	83.8	85.2	84.0	61	73	79	6205	6203	E	12.79	CD0005
3	2.2	1750	145T	**WDM3561TP**	4.1	38.6	9.0	86.8	88.1	87.5	56	71	78	6205	6203	E	15.04	CD0005

NOTE: Volt Code: E = 230/460 volts, 60 Hz.
See page 42 for Connection Diagrams. See page 34 for dimension drawing.
Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.

Washdown and Paint-Free Inverter Drive® and Vector Drive® Motors

Washdown and Paint-Free versions of Baldor AC Inverter Drive and Vector Drive motors are designed for adjustable speed, full torque and precise positioning applications in a washdown environment. Typical applications include conveyors, pumps and batch mixing/ blending. Recommended for use with Baldor Inverter and Vector controls, although these motors will work with existing OEMcontrols.

Performance Data: TEFC - Totally Enclosed Fan Cooled, TENV - Totally Enclosed Non-Ventilated, 230/460 Volts, Three Phase, 1/2 through 10 Hp

Hp	kW	RPM	Frame	Encl.	Catalog No.	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		Volt Code	"C" Dim.	Conn Diag. No.
						Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE			
TENV White - Inverter Motors - C-face with base																			
1	0.75	1750	143TC	TENV	**IDWNM3546T**	1.4	14.0	3.0	83.8	86.2	86.5	58	72	78	6205	6203	F	14.90	CD0005
1.5	1.1	1750	145TC	TENV	**IDWNM3554T**	2.1	22.3	4.5	84.8	86.8	87.5	56	70	78	6205	6203	F	15.78	CD0005
2	1.5	1725	182TC	TENV	**IDWNM3609T**	2.9	26.0	6.0	80.8	83.7	84.0	57	69	76	6206	6205	F	17.77	CD0005
3	2.2	1750	184TC	TENV	**IDWNM3611T**	4.0	30.0	9.0	88.8	89.6	88.5	64	75	80	6206	6205	F	17.77	CD0005
5	3.7	1760	213TC	TENV	**IDWNM3707T**	6.7	48.0	14.9	88.5	90.1	89.5	60	73	78	6307	6206	F	19.84	CD0005
7.5	5.6	1765	254TC	TENV	**IDWNM22937T**	9.1	71.7	22.5	89.7	91.1	91.0	69	80	85	6309	6208	F	23.92	CD0005
10	7.5	1765	254TC	TENV	**IDWNM22938T**	12.0	87.0	30.0	91.7	92.4	91.7	72	81	85	6309	6208	F	23.92	CD0005
Paint-free Inverter – C-face with base*																			
0.5	0.37	1750	56C	TENV	**IDCSWDM3538**	0.8	6.5	1.5	80.0	83.0	82.5	52	65	72	6205	6203	F	11.07	CD0005
0.75	0.56	1750	56C	TENV	**IDCSWDM3542**	1.0	9.6	2.3	74.1	78.2	78.5	57	70	80	6205	6203	F	12.07	CD0005
1	0.75	1740	56C	TENV	**IDCSWDM3546**	1.4	10.7	3.0	86.3	87.0	85.5	62	74	81	6205	6203	E	12.07	CD0005
1	0.75	1740	143TC	TENV	**IDCSWDM3546T**	1.4	10.7	3.0	86.3	87.0	85.5	62	74	81	6205	6203	E	12.12	CD0005
1.5	1.1	1750	56C	TEFC	**IDCSWDM355**	2.1	20.0	4.5	86.4	87.7	87.5	57	71	78	6205	6203	F	13.24	CD0005
1.5	1.1	1750	145TC	TEFC	**IDCSWDM3554**	2.1	20.0	4.5	86.4	87.7	87.5	57	71	78	6205	6203	F	13.30	CD0005
2	1.5	1750	56C	TEFC	**IDCSWDM355**	2.5	22.0	6.0	87.6	88.0	86.5	64	77	83	6205	6203	F	14.12	CD0005
2	1.5	1750	145TC	TEFC	**IDCSWDM3558**	2.5	22.0	6.0	87.6	88.0	86.5	64	77	83	6205	6203	F	14.18	CD0005
3	2.2	1760	182TC	TEFC	**IDCSWDM3611**	4.1	32.0	9.0	89.1	90.0	89.5	58	71	80	6206	6205	F	16.56	CD0005
5	3.7	1750	184TC	TEFC	**IDCSWDM3615**	6.5	48.0	15.0	88.3	88.4	87.5	61	73	80	6206	6205	F	18.06	CD0005
7.5	5.6	1760	213TC	TEFC	**IDCSWDM3710**	10.0	82.0	22.0	82.1	84.7	89.5	61	73	80	6307	6206	F	19.81	CD0005
10	7.5	1760	215TC	TEFC	**IDCSWDM3714T**	13.0	119	29.9	86.4	88.8	89.5	61	73	76	6307	6206	F	20.56	CD0005
Paint-free Inverter – C-face less base*																			
0.5	0.37	1750	56C	TENV	**IDVSWDM3538**	0.8	6.5	1.5	80.0	83.0	82.5	52	65	72	6205	6203	F	11.07	CD0005
0.75	0.56	1750	56C	TENV	**IDVSWDM3542**	1.0	9.6	2.3	77.1	78.2	78.5	57	70	80	6205	6203	F	12.07	CD0005
1	0.75	1740	56C	TENV	**IDVSWDM3546**	1.4	10.7	3.0	86.3	87.0	85.5	62	74	81	6205	6203	E	12.07	CD0005
1	0.75	1725	143TC	TENV	**IDVSWDM3546T**	1.4	10.7	3.0	86.3	87.0	85.5	62	74	81	6205	6203	E	12.12	CD0005
1.5	1.1	1750	56C	TEFC	**IDVSWDM3554**	2.1	20.0	4.5	86.4	87.7	87.5	57	71	78	6205	6203	F	13.24	CD0005
1.5	1.1	1750	145TC	TEFC	**IDVSWDM3554T**	2.1	20.0	4.5	86.4	87.7	87.5	57	71	78	6205	6203	F	13.30	CD0005
2	1.5	1750	56C	TEFC	**IDVSWDM3558**	2.5	22.0	6.0	87.6	88.0	86.5	64	77	83	6205	6203	F	14.12	CD0005
2	1.5	1750	145TC	TEFC	**IDVSWDM3558T**	2.5	22.0	6.0	87.6	88.0	86.5	64	77	83	6205	6203	F	14.18	CD0005
3	2.2	1760	182TC	TEFC	**IDVSWDM3611T**	4.0	32.0	9.0	89.1	90.0	89.5	58	71	80	6206	6205	F	16.56	CD0005
5	3.7	1750	184TC	TEFC	**IDVSWDM3615T**	6.5	48.0	15.0	88.3	88.4	87.5	61	73	80	6206	6205	F	18.06	CD0005
TENV White - Vector Motors - C-face with base																			
1	0.75	1750	143TC	TENV	**ZDWNM3546T**	1.4	14.0	3.0	83.8	86.2	86.5	58	72	78.0	6205	6203	F	14.90	CD0005
1.5	1.1	1750	145TC	TENV	**ZDWNM3554T**	2.1	22.3	4.5	84.8	86.8	87.5	56	70	78.0	6205	6203	F	15.78	CD0005
2	1.5	1725	182TC	TENV	**ZDWNM3609T**	2.9	26.0	6.0	80.8	83.7	84.0	57	69	76.0	6206	6205	F	17.77	CD0005
3	2.2	1750	184TC	TENV	**ZDWNM3611T**	4.0	30.0	9.0	88.8	89.6	88.5	64	75	80.0	6206	6205	F	17.77	CD0005
5	3.7	1760	213TC	TENV	**ZDWNM3707T**	6.7	48.0	14.9	88.5	90.1	89.5	60	73	78.0	6307	6206	F	19.84	CD0005
7.5	5.6	1765	254TC	TENV	**ZDWNM22937T**	9.1	71.7	22.5	89.7	91	91.0	69	80	85.0	6309	6208	F	23.92	CD0005
10	7.5	1765	254TC	TENV	**ZDWNM22938T**	12.0	87.0	30.0	91.7	92.4	91.7	72	81	85.0	6309	6208	F	23.92	CD0005

Vector Drive motors include 1024PPR industrial duty encoder.
NOTE: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz; H = 575V, 60Hz.
See page 42 for Connection Diagrams. Efficiencies shown are nominal. See pages 30-31 for dimensions.
Data subject to change without notice. Contact Baldor for certified data. * Paint-Free Inverter Motors are not encoder adaptable.

Paint-Free IEC Metric Washdown Duty AC Motors

All exterior motor surfaces are totally paint-free, USDA approved. Designed for food processing and applications where the motor is constantly exposed to an environment requiring high pressure wash down to maintain cleanliness. Stainless steel motor frame, base, shaft and hardware. Specially processed cast iron flange / endplate on drive end. 200° Magnet Wire with Moisture Resistant insulation.

Performance Data: 415 Volts, Three Phase, 50Hz

kW	Hp	RPM	Frame	Encl.	Catalog No.	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dimension		Conn Diag. No.
						Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE	mm	(Inch)	
0.75	1	1440	D90S	TENV	**MSWDM3546-57**	1.6	15.2	3.7	84.4	85.4	84.0	57	68	80	6205	6203	300	11.82	CD0022
0.75	1	1440	D80D	TENV	**VSWDM3546D-57**	1.6	15.2	3.7	84.4	85.4	84.0	57	68	80	6205	6203		11.43	CD0022
1.5	2	1440	D90L	TEFC	**MSWDM3558-57**	3.2	26.6	7.3	86.9	87.7	86.5	55	68	75	6205	6203	388	15.26	CD0022
1.5	2	1440	D90L	TEFC	**VSWDM3558D-57**	3.2	26.6	7.3	86.9	87.7	86.5	55	68	75	6206	6203	439	17.27	CD0022

NOTE: Voltage: -57 = 240/425 Volt - 50 Hz. Contact Baldor for dimensions.

IEC Metric Washdown Duty AC Motors

Designed for food processing and other applications where the motor is constantly exposed to an environment requiring high pressure wash down to maintain cleanliness. USDA approved Epoxy Finish. 200° Magnet Wire with Moisture Resistant insulation.

Performance Data: 415 Volts, Three Phase, 50Hz

kW	Hp	RPM	Frame	Encl.	Catalog No.	Amps @ High V		Full Load Torque Lb. Ft.	Efficiency %			Power Factor %			Bearings		"C" Dimension		Conn Diag. No.
						Full Load	Locked Rotor		1/2	3/4	Full Load	1/2	3/4	Full Load	DE	ODE	mm	(Inch)	
0.56	.075	1425	56C	TENV	**CWDM3542-57**	1.2	9.09	2.76	78.0	80.0	77.0	54	71	80	6205	6203	281	11.07	CD0022
0.56	0.75	1425	D80D	TENV	**VWDM3542D-57**	1.2	9.09	2.76	78.0	80.0	77.0	54	71	80	6206	6203	265	10.43	CD0022
0.75	1	1425	D90S	TENV	**MWDM3546-57**	1.7	13.2	3.6	75.3	79.0	80.0	52	66	81	6205	6203	300	11.82	CD0022
0.75	1	1425	D80D	TENV	**VWDM3546D-57**	1.7	13.2	3.6	75.3	79.0	80.0	52	66	81	6206	6203	290	11.43	CD0022
1.1	1.5	1425	D90S	TENV	**MWDM3554-57**	2.3	18.4	5.44	78.0	81.8	80.0	66	72	82	6205	6203	323	12.70	CD0022
1.1	1.5	1425	D90D	TENV	**VWDM3554D-57**	2.3	18.4	5.44	78.0	81.8	80.0	66	72	82	6206	6203	323	12.70	CD0022
0.37	0.5	1425	D71-D-B35	TEFC	**CWMM3461-57**	1.2	6.47	1.82	66.3	72.5	74.0	40	50	63	6203	6203	290	11.41	CD0022
1.5	2	1425	D90L	TEFC	**MWDM3558-57**	2.3	21.4	7.35	78.0	81.1	81.0	55	69	78	6205	6203	330	12.98	CD0022
1.5	2	1425	D90D	TEFC	**VWDM3558D-57**	2.3	21.4	7.35	78.0	81.1	81.0	55	69	78	6206	6203	330	13.00	CD0022
2.2	3	1425	D112M	TEFC	**MWDM3611-56**	4.5	28.0	11.0	83.2	84.4	84.0	68	82	81	6206	6205	410	16.16	CD0006
2.2	3	1425	D100D	TEFC	**VWDM3611D-57**	4.0					84.0			81	6206	6205	395	15.55	CD0022
4	5	1425	D112M	TEFC	**MWDM3615-56**	7.4	57.0	18.0	84.0	85.6	84.0	69	80	80	6206	6205	449	17.67	CD0006
4	5	1425	D112D	TEFC	**VWDM3615D-56**	7.4	57.0	18.0	84.0	85.6	84.0	69	80	80	6206	6205	433	17.05	CD0006
5.5	7.5	1425	D132S	TEFC	**MWDM3710-56**	11.6	87.0	27.5	84.0	85.0	84.0	58	72	81			449	17.66	CD0006
5.5	7.5	1425	D132D	TEFC	**VWDM3710D-56**	11.6	87.0	27.5	84.0	85.0	84.0	58	72	81	6209	6206	411	16.21	CD0006
7.5	10	1425	D132M	TEFC	**MWDM3714-56**	16.0					85.5			76			477	18.78	CD0006
7.5	10	1425	D132D	TEFC	**VWDM3714D-56**	16.0					85.5			76			440	17.34	CD0006

NOTE: Voltage: -56 = 415 Volt - 50 Hz - Wye/Delta; -57 = 240/415 Volt - 50 Hz. Contact Baldor for dimensions.

Series 5 Washdown Micro Inverters

When space is at a premium in a washdown application, Baldor Series 5 Micro Inverters provide variable torque, constant torque and constant horsepower control in a small package. These controls may be used in new installations, replacements or original equipment. The NEMA 4X enclosure is suitable for frequent washdowns. They have an output frequency of 0.25 to 120 Hz, with a peak overload capacity of 150%. Control features include separate accel/decel rates and controlled reversing. Standard operator control includes rotary speed settings, start/stop command and power on/off.

Hp/kW	Input Volt	Output Current		Catalog Number	Dimensions in/(mm)				
					Outside			Mounting	
		Cont.	120 Sec.		H	W	D	H	W
Single Phase Input									
1/0.75	115/230	3.6	5.4	**ID5601-WO**	9.53	5.51	5.86	8.85	–
1/0.75	115/230	3.6	5.4	**ID5601-BO**	9.53	5.51	5.86	8.85	–
2/1.5	115/230	5.5/6.7	8.3/10.0	**ID5602-WO**	9.8	7.55	7.25	9.25	1
2/1.5	115/230	5.5/6.7	8.3/10.0	**ID5602-BO**	9.8	7.55	7.25	9.25	1
Three Phase Input									
3/2.25	230	9	13.5	**ID5203-WO**	9.8	7.55	7.25	9.25	1
3/2.25	230	9	13.5	**ID5203-BO**	9.8	7.55	7.25	9.25	1
3/2.25 ①	460	4.6	6.9	**ID5403-WO**	9.8	7.55	7.25	9.25	1
3/2.25 ①	460	4.6	6.9	**ID5403-BO**	9.8	7.55	7.25	9.25	1
5/3.7	460	8.3	12.45	**ID5405-WO**	9.8	7.55	7.25	9.25	1
5/3.7	460	8.3	12.45	**ID5405-BO**	9.8	7.55	7.25	9.25	1

NOTE: -WO is white in color -BO is black in color
① Jumper configurable for 1 HP and 2 HP

Output Ratings	Overload Capacity	150% for 120 seconds
	Voltage - 3 Phase	0-230 VAC (RMS), 0-460 VAC (RMS)
Control Spec	Control Method	Sinewave carrier input, PWM output
	PWM Frequency	Rated 8.0 kHz
	V/Hz Ratio	Factory set for optimum output
	Torque Boost	Adjustable 0-30% max
	Current Limit	Adjustable of rated output
	Frequency Setting	0-5 VDC, 0-10 VDC with external resistor network, non-isolated input
	Accel/Decel	Separate accel/decel rates, 0.3-20 sec
Protective Functions	Inverter Trip	Over voltage, over current, under voltage, motor overload, output short circuit
	Status Indicators	Tricolor LED indicator for status and green LED indicator for power on short circuit output phase to phase
Ambient Conditions	Temperature	0-50°C
	Cooling	Convection; 3300 feet max without derate
	Enclosure	NEMA 4X (IP65)

Catalog No.	Accessories for Series 5 Inverters	Ap'x. Shpg. Wgt.
ID5SI-2	Signal isolator for NEMA 4X enclosed units Provides isolation for up to 24 VDC and 4-20mA command signals	0.5
ID5AMS-1	Auto/manual selection switch for NEMA 4X enclosed units Allows selection of remote or on-board speed commands	0.3
ID5FRS-1	Forward/stop/reverse selection switch for NEMA 4X enclosed units Allows selection of forward or reverse motor direction command	0.4

NOTE: See page 35 for dimension drawing. Data subject to change without notice. Contact Baldor for certified data.

VS1SP Washdown Inverter/ Encoderless Vector Drive

1 thru 3 Hp **115/230 VAC** **1 Phase - 50/60 Hz**
1 thru 75 Hp **230 VAC** **3 Phase - 50/60 Hz**
1 thru 300 Hp **460 VAC** **3 Phase - 50/60 Hz**
1 thru 300 Hp **575 VAC** **3 Phase - 50/60 Hz**

Applications: Constant torque, variable torque or constant horsepower applications. New installations, replacements and original equipment manufacturers (OEM).

Features: NEMA 4 enclosure. Output frequency 0 to 500 Hz with peak overload capacity of 175%. Separate accel/decl rates and controlled reversing. Built-in two and three input PID process control loop.

Input Ratings	Voltage	115	230	230	460	575
	Voltage Range	95-130	180-264	180-264	340-528	515-660
	Phase	Single Phase		Three Phase (single phase with derating)		
	Frequency	50/60Hz +5%				
	Impedance	1% minimum from mains connection				
Output Ratings	Horsepower	1-3 Hp @ 115/230VAC, 1PH; 1-7.5 Hp @ 230VAC, 3PH; 1-10 Hp @ 460VAC, 3PH; 1-10 Hp @ 575VAC, 3PH				
	Overload Capacity	Heavy Duty (Constant Torque) = 150% for 60 seconds, 175% for 3 seconds				
		Normal Duty (Variable Torque) = 115% for 60 seconds				
	Frequency	0-500Hz				
	Voltage	0 to maximum input voltage (RMS) (Note: 0 to 230 V for 115 V Single Phase Units)				
Protective Features	Trip	Missing control power, over current, over voltage, under voltage, over temperature (motor or control), output shorted or grounded, motor overload				
	Stall Prevention	Over voltage suppression, overcurrent suppression				
	External Output	LED trip condition indicators, 4 assignable logic outputs, 2 assignable analog outputs				
	Short Circuit	Phase to phase, phase to ground				
	Electronic Motor Overload	Meets UL508C (I^2T)				
Environmental Conditions	Temperature	-10 to 45°C. Derate 3% per °C to maximum ambient temperature of 55°C.				
	Cooling	Forced air				
	Enclosure	NEMA 4X				
	Altitude	Sea level to 3300 Feet (1000 Meters) Derate 2% per 1000 Feet (303 Meters) above 3300 Feet				
	Humidity	NEMA 4X: To 100% RH Condensing				
	Shock / Vibration	1G / 0.5G at 10Hz to 60Hz				
	Storage Temperature	-10 to +65°C				
Keypad Display	Display	LCD Graphical 128x64 Pixel				
	Keys	14 key membrane with tactile feedback				
	Functions	Output status monitoring, Digital speed control, Parameter setting and display, Diagnostic and Fault log display, Motor run and jog, Local/ Remote toggle				
	LED Indicators	Forward run command, Reverse run command, Stop command, Jog active				
	Remote Mount	200 feet (60.6m) maximum from control, NEMA 4 Rated				
	Trip	Separate message and trace log for each trip, last 10 trips retained in memory				
Control Specifications	Control Method	Microprocessor controlled PWM output, selectable encoderless vector or V/Hz inverter				
	PWM Frequency	Adjustable 1.5-5kHz STD, 5-16 kHz quiet				
	Frequency Setting	±5 VDC, 0-5 VDC ±10 VDC, 0-10 VDC, 4-20 mA or 0-20 mA; digital (keypad), Serial Comms/USB 2.0, and Modbus RTU standard				
	Accel/Decel	0-3600 seconds				
	V/Hz Ratio	Linear to squared reduced, base frequency, output voltage, minimum frequency limit, maximum frequency limit				
	Torque Boost	0-30% of input voltage; automatic with manual override				
	Brake Torque	20% standard on Sizes AA and B, 1% standard on Size C, D				
	Skip Frequency	Three zones 0-Max frequency				
	PC Setup Software	MINT® WorkBench Software available using the USB 2.0 port for commissioning wizard, firmware download, parameter viewer, scope capture and cloning				
	Maximum Output Frequency	500 Hz				
	Selectable Operating Modes	Keypad, Standard Run, 2-Wire, Standard Run 3-Wire, 15 Preset Speeds, Fan Pump 2-Wire, Fan Pump 3-Wire, Process Control, 3-SPD ANA 2-Wire, 3-SPD ANA 3-Wire, Electronic Pot 2-Wire, Electronic Pot 3-Wire, Network Profile Run, Bipolar				
Analog Inputs	One Differential	±5VDC, ±10VDC, 4-20 mA and 0-20 mA, 11-bit + sign				
	One Single Ended	0 - 10 VDC, 11-bit				
	Input Impedance	80 kOhms (Volt mode); 500 Ohms (Current mode)				
Analog Outputs	Analog Outputs	2 Assignable				
	Full Scale Range	AOUT1 (0-5V, 0-10V, 0-20mA or 4-20mA), AOUT2 (+5V, +10V)				
	Source Current	1 mA maximum (volt mode), 20mA (current mode)				
	Resolution	9 bits				
Digital Inputs	Opto-isolated Inputs	8 Assignable, 1 dedicated input (Drive Enable)				
	Rated Voltage	10 - 30 VDC (closed contacts std)				
	Input Impedance	4.71 k Ohms				
	Leakage Current	10 mA maximum				
	Update Rate	16 msec				
Digital Outputs (2 Opto Outputs)	Rated Voltage	5 to 30VDC				
	Maximum Current	60 mA Maximum				
	ON Voltage Drop	2 VDC Maximum				
	OFF Leakage Current	0.1 mA Maximum				
	Output Conditions	25 Conditions				
Digital Outputs (2 Relay Outputs)	Rated Voltage	5 to 30VDC or 240VAC				
	Maximum Current	5A Maximum non-inductive				
	Output Conditions	25 Conditions				

VS1SP Inverter/Encoderless Vector – NEMA 4 Washdown Enclosure

Catalog Number	Size	Heavy Duty				Normal Duty			
		Hp	kW	Cont. Amps	Peak Amps	Hp	kW	Cont. Amps	Peak Amps
115/230 Volts - Single Phase Input									
VS1SP61-4B	AA	1	0.75	4.2	7.4	2	1.5	6.8	8.5
VS1SP62-4B	AA	2	1.5	6.8	11.9	3	2.2	9.6	12
VS1SP63-4B	AA	3	2.2	9.6	16.8	3	2.2	9.6	12
230 Volts - Three Phase Input									
VS1SP21-4B	AA	1	0.75	4.2	7.35	2	1.5	6.8	8.5
VS1SP22-4B	AA	2	1.5	6.8	11.9	3	2.2	9.6	12
VS1SP23-4B	AA	3	2.2	9.6	16.8	5	3.7	15.2	19
VS1SP25-4B	AA	5	3.7	15.2	26.6	7.5	5.6	22	27.5
VS1SP27-4B	AA	7.5	5.6	22	38.5	7.5	5.6	22	27.5
460 Volts - Three Phase Input									
VS1SP41-4B	AA	1	0.75	2.1	3.68	2	1.5	3.4	4.25
VS1SP42-4B	AA	2	1.5	3.4	5.95	3	2.2	4.8	6
VS1SP43-4B	AA	3	2.2	4.8	8.4	5	3.7	7.6	9.5
VS1SP45-4B	AA	5	3.7	7.6	13.3	7.5	5.6	11	13.75
VS1SP47-4B	AA	7.5	5.6	11	19.3	10	7.5	14	17.5
VS1SP410-4B	AA	10	7.4	14	24.5	10	7.4	14	17.5
575 Volts - Three Phase Input									
VS1SP51-4B	AA	1	0.75	1.7	3	2	1.5	2.7	3.4
VS1SP52-4B	AA	2	1.5	2.7	4.7	3	2.2	3.9	4.9
VS1SP53-4B	AA	3	2.2	3.9	6.8	5	3.7	6.1	7.6
VS1SP55-4B	AA	5	3.7	6.1	10.7	7.5	5.6	9	11.3
VS1SP57-4B	AA	7.5	5.6	9	15.8	10	7.5	11	13.8
VS1SP510-4B	AA	10	7.5	11	19.3	10	7.5	11	13.8

Mounting Dimensions

Frame	Dimensions inches (mm)					Ap'x. Shpg. Wgt.
	Outside			Mounting		
	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Height Inches (mm)	Width Inches (mm)	lbs. (kg)
AA	12.27 (312)	7.97 (202)	8.21 (209)	11.75 (298)	7.38 (187)	20 (9.1)
B	18.00 (457)	9.10 (231)	9.77 (248)	17.25 (438)	7.00 (178)	30 (13.6)
C	22.00 (559)	9.10 (231)	9.77 (248)	21.25 (540)	7.00 (178)	60 (27.2)
D	28.00 (711)	11.50 (292)	13.00 (330)	27.25 (692)	9.50 (241)	120 (54.4)
E	41.00 (1041)	18.75 (476)	16.00 (406)	39.75 (1010)	15.75 (400)	250 (113.4)

BALDOR · DODGE · RELIANCE

VS1GV Washdown Vector Drive

1 thru 3 Hp **115/230 VAC** **1 Phase - 50/60 Hz**
1 thru 75 Hp **230 VAC** **3 Phase - 50/60 Hz**
1 thru 300 Hp **460 VAC** **3 Phase - 50/60 Hz**
1 thru 300 Hp **575 VAC** **3 Phase - 50/60 Hz**

Applications: Constant torque or constant horsepower applications. New installations, replacements and original equipment manufacturers (OEM).

Features: NEMA 4 enclosure. Output frequency 0 to 500 Hz with peak overload capacity of 175%. Digital speed or torque control. Built-in two and three input PID process control loop. Automatic tuning to motor and full rated torque down to zero speed.

Input Ratings	Voltage	115	230	230	460	575
	Voltage Range	95-130	180-264	180-264	340-528	515-660
	Phase	Single Phase		Three Phase (single phase with derating)		
	Frequency	50/60Hz +5%				
	Impedance	1% minimum from mains connection				
Output Ratings	Horsepower	1-3 Hp @ 115/230VAC, 1PH; 1-7.5 Hp @ 230VAC, 3PH; 1-10 Hp @ 460VAC, 3PH; 1-10 Hp @ 575VAC, 3PH				
	Overload Capacity	Heavy Duty (Constant Torque) = 150% for 60 seconds, 175% for 3 seconds				
		Normal Duty (Variable Torque) = 115% for 60 seconds				
	Frequency	0-500Hz				
	Voltage	0 to maximum input voltage (RMS) (Note: 0 to 230 V for 115 V Single Phase Units)				
Protective Features	Trip	Missing control power, over current, over voltage, under voltage, over temperature (motor or control), output shorted or grounded, motor overload, encoder loss.				
	Stall Prevention	Over voltage suppression, overcurrent suppression				
	External Output	LED trip condition indicators, 4 assignable logic outputs, 2 assignable analog outputs				
	Short Circuit	Phase to phase, phase to ground				
	Electronic Motor Overload	Meets UL508C (I^2T)				
Environmental Conditions	Temperature	-10 to 45°C. Derate 3% per °C to maximum ambient temperature of 55°C.				
	Cooling	Forced air				
	Enclosure	NEMA 4X				
	Altitude	Sea level to 3300 Feet (1000 Meters) Derate 2% per 1000 Feet (303 Meters) above 3300 Feet				
	Humidity	NEMA 4X: To 100% RH Condensing				
	Shock / Vibration	1G / 0.5G at 10Hz to 60Hz				
	Storage Temperature	-10 to +65°C				
Keypad Display	Display	LCD Graphical 128x64 Pixel				
	Keys	14 key membrane with tactile feedback				
	Functions	Output status monitoring, Digital speed control, Parameter setting and display, Diagnostic and Fault log display, Motor run and jog, Local/ Remote toggle, One-step tuning				
	LED Indicators	Forward run command, Reverse run command, Stop command, Jog active				
	Remote Mount	200 feet (60.6m) maximum from control, NEMA 4 Rated				
	Trip	Separate message and trace log for each trip, last 10 trips retained in memory				
Control Specifications	Control Method	Microprocessor controlled PWM output, selectable closed loop vector, encoderless vector or V/Hz inverter				
	PWM Frequency	Adjustable 1.5-5kHz STD, 5-16 kHz quiet				
	Frequency Setting	±5 VDC, 0-5 VDC ±10 VDC, 0-10 VDC, 4-20 mA or 0-20 mA; digital (keypad), Serial Comms/USB 2.0, and Modbus RTU standard				
	Accel/Decel	0-3600 seconds				
	Brake Torque	20% standard on Sizes AA and B, 1% standard on Size C, D				
	Motor Matching	Automatic tuning to motor with manual override				
	PC Setup Software	MINT® WorkBench Software available using the USB 2.0 port for commissioning wizard, firmware download, parameter viewer, scope capture and cloning				
	Maximum Output Frequency	500 Hz				
	Selectable Operating Modes	Keypad, Standard Run, 2-Wire, Standard Run 3-Wire, 15 Preset Speeds, Fan Pump 2-Wire, Fan Pump 3-Wire, Process Control, 3-SPD ANA 2-Wire, 3-SPD ANA 3-Wire, Electronic Pot 2-Wire, Electronic Pot 3-Wire, Network Profile Run, Bipolar				
Motor Feedback	Feedback Type	Incremental encoder coupled to motor shaft; optional resolver feedback				
	Pulses/Rev	60-20,000 selectable, 1024 standard				
	Voltage Output	2 channel in quadrature, 5 VDC, differential				
	Marker Pulse	Required for position orientation				
	Power Input	5 VDC, 12 VDC, 300 mA maximum				
	Max. Frequency	4 MHz				
	Positioning	Buffered encoder pulse train output for position loop controller				
Analog Inputs	One Differential	±5VDC, ±10VDC, 4-20 mA and 0-20 mA, 11-bit + sign				
	One Single Ended	0 - 10 VDC, 11-bit				
	Input Impedance	80 kOhms (Volt mode); 500 Ohms (Current mode)				
Analog Outputs	Analog Outputs	2 Assignable				
	Full Scale Range	AOUT1 (0-5V, 0-10V, 0-20mA or 4-20mA), AOUT2 (+5V, +10V)				
	Source Current	1 mA maximum (volt mode), 20mA (current mode)				
	Resolution	9 bits				
Digital Inputs	Opto-isolated Inputs	8 Assignable, 1 dedicated input (Drive Enable)				
	Rated Voltage	10 - 30 VDC (closed contacts std)				
	Input Impedance	4.71 k Ohms				
	Leakage Current	10 mA maximum				
	Update Rate	16 msec				
Digital Outputs (2 Opto Outputs)	Rated Voltage	5 to 30VDC				
	Maximum Current	60 mA Maximum				
	ON Voltage Drop	2 VDC Maximum				
	OFF Leakage Current	0.1 mA Maximum				
	Output Conditions	25 Conditions				
Digital Outputs (2 Relay Outputs)	Rated Voltage	5 to 30VDC or 240VAC				
	Maximum Current	5A Maximum non-inductive				
	Output Conditions	25 Conditions				

VS1GV Closed Loop Vector – NEMA 4 Washdown Enclosure

Catalog Number	Size	Heavy Duty				Normal Duty			
		Hp	kW	Cont. Amps	Peak Amps	Hp	kW	Cont. Amps	Peak Amps
115/230 Volts - Single Phase Input									
VS1GV61-4B	AA	1	0.75	4.2	7.4	2	1.5	6.8	8.5
VS1GV62-4B	AA	2	1.5	6.8	11.9	3	2.2	9.6	12
VS1GV63-4B	AA	3	2.2	9.6	16.8	3	2.2	9.6	12
230 Volts - Three Phase Input									
VS1GV21-4B	AA	1	0.75	4.2	7.35	2	1.5	6.8	8.5
VS1GV22-4B	AA	2	1.5	6.8	11.9	3	2.2	9.6	12
VS1GV23-4B	AA	3	2.2	9.6	16.8	5	3.7	15.2	19
VS1GV25-4B	AA	5	3.7	15.2	26.6	7.5	5.6	22	27.5
VS1GV27-4B	AA	7.5	5.6	22	38.5	7.5	5.6	22	27.5
460 Volts - Three Phase Input									
VS1GV41-4B	AA	1	0.75	2.1	3.68	2	1.5	3.4	4.25
VS1GV42-4B	AA	2	1.5	3.4	5.95	3	2.2	4.8	6
VS1GV43-4B	AA	3	2.2	4.8	8.4	5	3.7	7.6	9.5
VS1GV45-4B	AA	5	3.7	7.6	13.3	7.5	5.6	11	13.75
VS1GV47-4B	AA	7.5	5.6	11	19.3	10	7.5	14	17.5
VS1GV410-4B	AA	10	7.4	14	24.5	10	7.4	14	17.5
575 Volts - Three Phase Input									
VS1GV51-4B	AA	1	0.75	1.7	3	2	1.5	2.7	3.4
VS1GV52-4B	AA	2	1.5	2.7	4.7	3	2.2	3.9	4.9
VS1GV53-4B	AA	3	2.2	3.9	6.8	5	3.7	6.1	7.6
VS1GV55-4B	AA	5	3.7	6.1	10.7	7.5	5.6	9	11.3
VS1GV57-4B	AA	7.5	5.6	9	15.8	10	7.5	11	13.8
VS1GV510-4B	AA	10	7.5	11	19.3	10	7.5	11	13.8

Mounting Dimensions

Frame	Dimensions inches (mm)					Ap'x. Shpg. Wgt.
	Outside			Mounting		
	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Height Inches (mm)	Width Inches (mm)	lbs. (kg)
AA	12.27 (312)	7.97 (202)	8.21 (209)	11.75 (298)	7.38 (187)	20 (9.1)
B	18.00 (457)	9.10 (231)	9.77 (248)	17.25 (438)	7.00 (178)	30 (13.6)
C	22.00 (559)	9.10 (231)	9.77 (248)	21.25 (540)	7.00 (178)	60 (27.2)
D	28.00 (711)	11.50 (292)	13.00 (330)	27.25 (692)	9.50 (241)	120 (54.4)
E	41.00 (1041)	18.75 (476)	16.00 (406)	39.75 (1010)	15.75 (400)	250 (113.4)

Paint-Free SCR Drive Permanent Magnet DC Motors

In DC motor applications where caustic cleaning solutions and regular high-pressure wash downs may compromise the surface of a painted motor, Baldor offers Paint-Free DC motors. These motors have the same reliability-enhancing features as Baldor's Washdown Duty DC motors.

Performance Data: TEFC - Totally Enclosed Fan Cooled, 1/4 through 1 Hp

Hp	kW	RPM	Frame	Catalog No.	Voltage Direct Current Armature	Full Load Amperage Armature	Constant Torque Speed Range	Bearing		"C" Dim.	Conn. Diagram
								DE	ODE		
0.25	0.18	1750	56C	**CDPSWD3410**	90	2.7	20:1	6203	6203	12.16	CD0194
0.5	0.37	1750	56C	**CDPSWD3430**	90	5.2	20:1	6203	6203	13.66	CD0194
1	0.75	1750	56C	**CDPSWD3545**	90	9.6	20:1	6205	6205	16.30	CD0194
0.25	0.18	1750	56C	**CDPSWD3406**	180	1.3	20:1	6203	6203	12.16	CD0194
0.5	0.37	1750	56C	**CDPSWD3426**	180	2.5	20:1	6203	6203	13.60	CD0194
1	0.75	1750	56C	**CDPSWD3555**	180	4.9	20:1	6205	6205	16.30	CD0194

NOTE: See page 37 for dimension drawing. See page 44 for Connection Diagrams.

Washdown Duty SCR Drive Permanent Magnet DC Motors

These DC motors are suited for food processing conveyor and feeder applications that are exposed to high-pressure washdowns. Reliability-enhancing features include: Moisture sealant on bolt heads between the frame and endplates; neoprene gasket on conduit box; double sealed ball bearings; Forsheda running contact V-ring slinger; stainless steel shaft. These motors are adaptable for use with tachometers. If closed loop operation is desired, use with Baldor Washdown Duty tachometers and tach mounting kits.

Performance Data: TENV - Totally Enclosed Non-Vented and TEFC - Totally Enclosed Fan Cooled, 1/4 through 5 Hp

Hp	kW	RPM	Frame	Encl.	Catalog No.	Voltage Direct Current Armature	Full Load Amperage Armature	Constant Torque Speed Range	Bearing		"C" Dim.	Conn. Diagram
									DE	ODE		
0.25	0.18	1750	56C	TENV	**CDPWD3310**	90	2.5	20:1	6203	6203	12.25	CD0194
0.33	0.25	1750	56C	TENV	**CDPWD3320**	90	3.2	20:1	6203	6203	13.19	CD0194
0.5	0.37	1750	56C	TENV	**CDPWD3330**	90	4.8	20:1	6203	6203	14.94	CD0194
0.75	0.56	1750	56C	TEFC	**CDPWD3440**	90	7.6	20:1	6203	6203	14.59	CD0194
1	0.75	1750	56C	TEFC	**CDPWD3445**	90	10.0	20:1	6203	6203	15.46	CD0194
0.25	0.18	1750	56C	TENV	**CDPWD3306**	180	1.25	20:1	6203	6203	12.25	CD0194
0.33	0.25	1750	56C	TEFC	**CDPWD3316**	180	1.6	20:1	6203	6203	13.19	CD0194
0.5	0.37	1750	56C	TEFC	**CDPWD3326**	180	2.5	20:1	6203	6203	14.94	CD0194
0.75	0.56	1750	56C	TEFC	**CDPWD3436**	180	3.7	20:1	6203	6203	14.59	CD0194
1	0.75	1750	56C	TEFC	**CDPWD3455**	180	5.0	20:1	6203	6203	15.46	CD0194
1.5	1.1	1750	145TC	TEFC	**CDPWD3575**	180	7.7	20:1	6205	6205	17.17	CD0194
2	1.5	1750	145TC	TEFC	**CDPWD3585**	180	9.6	20:1	6205	6205	18.17	CD0194
3	2.2	1750	184TC	TEFC	**CDPWD3603**	180	14.0	20:1	6206	6206	24.33	CD0194
5	3.7	1750	1810ATC	TEFC	**CDPWD3605**	180	24.5	20:1	6206	6206	27.83	CD0194

NOTE: See page 37 for dimension drawing. See page 44 for Connection Diagrams. See page 34 for dimensions.
Data subject to change without notice. Contact Baldor for certified data.

NEMA 4X Washdown Duty DC SCR Controls

Baldor offers several models of Washdown Duty DC controls, all in NEMA 4X enclosures. Models include Line Regen and PMW versions. Baldor also offers a variety of Washdown Duty Control accessories, including brake-reverse kits, a run/jog switch, an auto/manual installation kit and an AC line switch kit.

BC154, BCWD140 and BC160 are one-way controls with reversal by means of switching the armature leads (BCWD140 has a forward/break/reverse switch mounted). BC254 is a line regenerative SCR control that can drive the motor to a timed stop. BC354 is a PWM control that provides low-ripple DC power to the motor allowing more Hp when used with a 140 or 280 VDC motor. All offer a choice of armature or tachometer feedback and a speed or torque mode. Output current is jumper selectable. BC154, BC160, BC254 and BC354 are painted black and come with a start-stop switch. BCWD140 comes with white epoxy paint and also forward/break/reverse and run-jog switches.

115 and 230 Volt, Single Phase

Hp Range	Catalog No.	Input Voltage	Description Input Voltage / Max. Hp	Ap'x. Shpg. Wgt.
			NEMA 4X SCR	
1/4-2	**BC154**	115/230	120V - 1 Hp, 230V - 2 Hp	5
3	**BC160**	230	230V - 3 Hp	3
			NEMA 4X Washdown Duty SCR	
1/4-2	**BCWD140**	115/230	120V - 1 Hp, 230V - 2 Hp	6
			NEMA 4X Washdown Duty Line Regen SCR	
1/8-2	**BC254**	115/230	120V - 1 Hp, 230V - 2 Hp	5
			NEMA 4X Washdown Duty PMW DC *	
1/4-2	**BC354**	115/230	120V - 1 Hp, 230V - 2 Hp	5

NOTE: * Output current is 7.5 amps; Output voltage is 140VDC for 115VAC input - 280VDC for 230VAC input.
Motors designed for these voltages will give the best performance. See page 38 for dimension drawing.

DC SCR Washdown Duty Control Accessories

Catalog No.	Description	Ap'x Shpg. Wgt.
BC153	Electronic Forward-Dynamic Brake-Reverse Kit for BC154	1
BC156	Mechanical Forward-Dynamic Brake-Reverse Switch for BC154	1
BC157	Run/Jog switch for BC154 & BC160	1
BC158	Auto/Manual Installation Kit for BC145 signal isolator for BC154 & BC160	1
BC159	AC Line Switch Kit for BC154, BCWD140	1

Washdown Tachometers

When looking to improve regulation of a Washdown Duty SCR motor control under varying speed and load conditions, Baldor Washdown Tachometers provide basic motor feedback. Two models of tachs are available from stock, both with washdown IP65 enclosures. Tach mounting kits are also available from Baldor.

DC Tach Generators Motor, PY Flange Mounting

Catalog Number	Type	Voltage	Weight LBS.
PTGWD50XPS	XPYII	50 VDC/1000 RPM	15
PTGWD100XPS	XPYII	100 VDC/1000 RPM	15

Stainless Steel Right Angle, Quill Type Gear Reducer

These stainless steel, solid shaft reducers are designed for applications where use of caustic cleaning solutions and regular high-pressure wash downs may compromise the surface of a painted gear reducer. They are ideal for food, pharmaceutical or chemical processing.

Features include: Housings, output shaft & hardware are stainless steel to endure hostile environments. The new totally enclosed, vent-less, o-ring sealed system is pre-filled with Klubersynth UH1-6-460 synthetic lubricant. The lubricant accommodates a wide range of operating temperatures and runs cooler than other popular synthetics, providing maintenance-free lubed for life operation. In addition, it is suitable for food grade (H1) applications. Units are also BISSC certified (Baking Industry Sanitation Standards Committee).

Solid Shaft Reducers

Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Based on 1750 RPM Motor									Max Input Hp	Max Output Torque Rating In-Lbs	NEMA Motor Mount	Style No.	Catalog No.	Ap'x Shpg. Wgt.
		0.25	0.33	0.5	0.75	1	1.5	2	3	5						
350	5					160	240	320			2.00	320	56C	SSF-918-05-B5-G	**SSGF0518AG**	25
	5					160	240	320			2.00	320	140TC	SSF-918-05-B7-G	**SSGF0518BG**	25
	5						246	327	491		3.14	514	140TC	SSF-921-05-B7-G	**SSGF0521BG**	31
	5							339	508	847	5.43	919	140TC	SSF-926-05-B7-G	**SSGF0526BG**	54
175	10				214	285	428				1.50	428	56C	SSF-918-10-B5-G	**SSGF1018AG**	25
	10				214	285	428				1.50	428	140TC	SSF-918-10-B7-G	**SSGF1018BG**	25
	10					312	468	624			2.02	630	140TC	SSF-921-10-B7-G	**SSGF1021BG**	31
	10							655	983		3.59	1177	140TC	SSF-926-10-B7-G	**SSGF1026BG**	54
117	15			209	314	419					1.07	448	56C	SSF-918-15-B5-G	**SSGF1518AG**	25
	15			246	369	492					1.35	664	56C	SSF-921-15-B5-G	**SSGF1521AG**	31
	15					473	710	947			2.58	1225	140TC	SSF-926-15-B7-G	**SSGF1526BG**	54
88	20		165	251	376						0.92	461	56C	SSF-918-20-B5-G	**SSGF2018AG**	25
	20			212	484	645					1.06	684	56C	SSF-921-20-B5-G	**SSGF2021AG**	31
	20					609	913	1218			2.15	1308	140TC	SSF-926-20-B7-G	**SSGF2026BG**	54
70	25		183	277	416						0.80	444	56C	SSF-918-25-B5-G	**SSGF2518AG**	25
	25		250	379	569						0.89	675	56C	SSF-921-25-B5-G	**SSGF2521AG**	31
	25				567	756	1134				1.73	1307	140TC	SSF-926-25-B7-G	**SSGF2526BG**	54
58	30		216	327							0.72	470	56C	SSF-918-30-B5-G	**SSGF3018AG**	25
	30		275	416	624						0.83	691	56C	SSF-921-30-B5-G	**SSGF3021AG**	31
	30				641	854	1281				1.54	1313	140TC	SSF-926-30-B7-G	**SSGF3026BG**	54
44	40	180	238	360							0.64	461	56C	SSF-918-40-B5-G	**SSGF4018AG**	25
	40		340	515							0.66	680	56C	SSF-921-40-B5-G	**SSGF4021AG**	31
	40			524	786	1049					1.23	1296	140TC	SSF-926-40-B7-G	**SSGF4026BG**	54
35	50	222	294								0.49	436	56C	SSF-918-50-B5-G	**SSGF5018AG**	25
	50	280	370	561							0.58	651	56C	SSF-921-50-B5-G	**SSGF5021AG**	31
	50			621	932	1242					1.00	1242	56C	SSF-926-50-B5-G	**SSGF5026AG**	54
29	60	220	290								0.47	413	56C	SSF-918-60-B5-G	**SSGF6018AG**	25
	60	317	418	634							0.50	634	56C	SSF-921-60-B5-G	**SSGF6021AG**	31
	60		473	716	1074						0.82	1166	56C	SSF-926-60-B5-G	**SSGF6026AG**	54

NOTE:
- Service Class I Torque Ratings
- Service Class II Torque Ratings
- Service Class III Torque Ratings

NOTE: See page 40 for dimension drawing.
See page 25 for optional Stainless Steel bases.
Data subject to change without notice. Contact Baldor for certified data.

Stainless Steel Right Angle, Quill Type Gear Reducer

These stainless steel, hollow bore reducers are designed for applications where use of caustic cleaning solutions and regular high-pressure wash downs may compromise the surface of a painted gear reducer. They are ideal for food, pharmaceutical or chemical processing.

Features include: Housings, output shaft & hardware are stainless steel to endure hostile environments. The new totally enclosed, vent-less, o-ring sealed system is pre-filled with Klubersynth UH1-6-460 synthetic lubricant. The lubricant accommodates a wide range of operating temperatures and runs cooler than other popular synthetics, providing maintenance-free lubed for life operation. In addition, it is suitable for food grade (H1) applications. Units are also BISSC certified (Baking Industry Sanitation Standards Committee).

Hollow Bore Gear Reducers

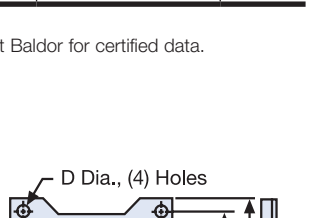
Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Based on 1750 RPM Motor							Max Input Hp	Max Output Torque Rating In-Lbs	NEMA Motor Mount	Style No.	Catalog No.	Ap'x Shpg. Wgt.
		0.25	0.33	0.5	0.75	1	1.5	2						
350	5					160	240	320	2.00	320	56C	SSHF-918-05-B5-H	**SSGHF0518AH**	27
175	10				214	285	428		1.50	428	56C	SSHF-918-10-B5-H	**SSGHF1018AH**	27
	10					312	468	624	2.02	630	56C	SSHF-921-10-B5-H	**SSGHF1021AH**	33
117	15			209	314	419			1.07	448	56C	SSHF-918-15-B5-H	**SSGHF1518AH**	27
	15			246	369	492			1.35	664	56C	SSHF-921-15-B5-H	**SSGHF1521AH**	33
88	20		165	251	376				0.92	461	56C	SSHF-918-20-B5-H	**SSGHF2018AH**	27
	20			323	484	645			1.06	684	56C	SSHF-921-20-B5-H	**SSGHF2021AH**	33
	20					609	913	1218	2.15	1309	56C	SSHF-926-20-B7-H	**SSGHF2026AH**	57
58	30		216	327					0.72	470	56C	SSHF-918-30-B5-H	**SSGHF3018AH**	27
	30		275	416	624				0.83	691	56C	SSHF-921-30-B5-H	**SSGHF3021AH**	33
	30				641	854	1281		1.54	1313	56C	SSHF-926-30-B5-H	**SSGHF3026AH**	57
44	40	180	238	360					0.64	461	56C	SSHF-918-40-B5-H	**SSGHF4018AH**	27
	40		340	515					0.66	680	56C	SSHF-921-40-B5-H	**SSGHF4021AH**	33
	40			524	786	1049			1.23	1296	140TC	SSHF-926-40-B7-H	**SSGHF4026BH**	57
35	50	222	294						0.49	436	56C	SSHF-918-50-B5-H	**SSGHF5018AH**	27
	50	280	370	561	932	1242			0.58	651	56C	SSHF-921-50-B5-H	**SSGHF5021AH**	33
29	60	220	290						0.47	413	56C	SSHF-918-60-B5-H	**SSGHF6018AH**	27
	60	317	418	634					0.50	634	56C	SSHF-921-60-B5-H	**SSGHF6021AH**	33
	60		473	716	1074				0.82	1166	56C	SSHF-926-60-B5-H	**SSGHF6026AH**	57

NOTE: Service Class I Torque Ratings
Service Class II Torque Ratings
Service Class III Torque Ratings

NOTE: See page 41 for dimension drawing.
Data subject to change without notice. Contact Baldor for certified data.

Optional Stainless Steel Base Kits

Base	Size	Catalog Number	Weight	A	B	C	D	E	F	G	H
Horiz	918 (A,B)	**SSB18H71**	8	0.62	4.50	5.56	0.44	0.69	0.62	5.75	7.00
Horiz	921 (A,B)	**SSB21H71**	10	0.66	4.69	5.76	0.50	0.72	0.66	6.38	7.69
Horiz	926 (A,B)	**SSB26H71**	13	0.63	5.25	6.50	0.56	0.75	0.63	8.00	9.25



Washdown Right Angle, Quill Type Gear Reducer

These solid shaft gear reducers are great for food processing and other applications where the unit is exposed to regular, high-pressure washdowns.

Features include: Cast iron housing is coated with an FDA approved epoxy for corrosion prevention. Output shaft & hardware are stainless steel to endure caustic washdown environments. The new totally enclosed, vent-less, o-ring sealed system is pre-filled with Klubersynth UH1-6-460 synthetic lubricant. The lubricant accommodates a wide range of operating temperatures and runs cooler than other popular synthetics, providing maintenance-free lubed for life operation. In addition, it is suitable for food grade (H1) applications. Units are also BISSC certified (Baking Industry Sanitation Standards Committee).

Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Output Based on 1750 RPM Motor							Max Input Hp	Max Torque Rating In-Lbs	NEMA Motor Mount	Style No.	Catalog No.	Ap'x Shpg. Wgt.
		0.25	0.33	0.5	0.75	1	1.5	2						
350	5					160	240	320	2.00	320	56C	WDF-918-05-B5-G	**WDGF0518AG**	25
175	10		82	125	187				0.90	225	56C	WDF-913-10-B5-G	**WDGF1013AG**	15
	10			141	211	282			1.03	290	56C	WDF-915-10-B5-G	**WDGF1015AG**	25
	10				214	285	428		1.50	428	56C	WDF-918-10-B5-G	**WDGF1018AG**	25
	10					312	468	624	2.02	630	56C	WDF-921-10-B5-G	**WDGF1021AG**	31
	10					317	475	634	2.73	893	140TC	WDF-924-10-B7-G	**WDGF1024BG**	38
117	15	89	118	179					0.66	225	56C	WDF-913-15-B5-G	**WDGF1513AG**	15
	15		127	193	289				0.81	312	56C	WDF-915-15-B5-G	**WDGF1515AG**	25
	15			209	314	419			1.07	448	56C	WDF-918-15-B5-G	**WDGF1518AG**	25
	15			246	369	492			1.35	664	56C	WDF-921-15-B5-G	**WDGF1521AG**	31
	15					470	705	939	2.11	992	56C	WDF-924-15-B5-G	**WDGF1524AG**	38
88	20	113	149	226					0.53	239	56C	WDF-913-20-B5-G	**WDGF2013AG**	15
	20	128	169	256					0.62	317	56C	WDF-915-20-B5-G	**WDGF2015AG**	25
	20		165	251	376				0.92	461	56C	WDF-918-20-B5-G	**WDGF2018AG**	25
	20					609	913	1218	2.15	1309	140TC	WDF-926-20-B7-G	**WDGF2026BG**	54
88	30		216	327					0.72	470	56C	WDF-918-30-B5-G	**WDGF3018AG**	25
	30		275	416	624				0.83	691	56C	WDF-921-30-B5-G	**WDGF3021AG**	31
	30			420	630	840			1.32	111	56C	WDF-924-30-B5-G	**WDGF3024AG**	38
	30				641	854	1281		1.54	1313	56C	WDF-926-30-B5-G	**WDGF3026AG**	54
	30					881	1322	1763	2.81	2462	140TC	WDF-932-30-B7-G	**WDGF3032BG**	97

NOTE:
- Service Class I Torque Ratings
- Service Class II Torque Ratings
- Service Class III Torque Ratings

NOTE: See page 39 for dimension drawing.
Data subject to change without notice. Contact Baldor for certified data.

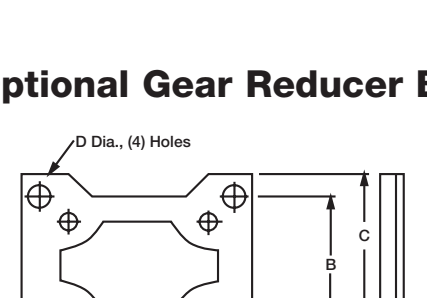
Washdown Right Angle, Quill Type Gear Reducer continued...

Nominal Output RPM @ 1750 RPM In	Gear Ratio	Continuous Duty Output Torque (In-Lbs) Output Based on 1750 RPM Motor							Max Input Hp	Max Torque Rating In-Lbs	NEMA Motor Mount	Style No.	Catalog No.	Ap'x Shpg. Wgt.
		0.25	0.33	0.5	0.75	1	1.5	2						
44	40	180	238	360					0.64	461	56C	WDF-918-40-B5-G	**WDGF4018AG**	25
	40		340	515					0.66	680	56C	WDF-921-40-B5-G	**WDGF4021AG**	31
	40			521	781				0.99	1030	56C	WDF-924-40-B5-G	**WDGF4024AG**	38
	40			524	786	1049			1.23	1296	56C	WDF-926-40-B5-G	**WDGF4026AG**	54
	40					1081	1622	2163	2.20	2374	140TC	WDF-932-40-B7-G	**WDGF4032BG**	97
35	50	177	234						0.33	234	56C	WDF-913-50-B5-G	**WDGF5013AG**	15
	50	280	370	561					0.58	651	56C	WDF-921-50-B5-G	**WDGF5021AG**	31
	50		401	608	912				0.83	1014	56C	WDF-924-50-B5-G	**WDGF5024AG**	38
	50			621	932	1242			1.00	1242	56C	WDF-926-50-B5-G	**WDGF5026AG**	54
29	60	218	288						0.33	288	56C	WDF-915-60-B5-G	**WDGF6015AG**	25
	60	220	290						0.47	413	56C	WDF-918-60-B5-G	**WDGF6018AG**	25
	60	317	418	634					0.50	634	56C	WDF-921-60-B5-G	**WDGF6021AG**	31
	60		458	693					0.69	956	56C	WDF-924-60-B5-G	**WDGF6024AG**	38
	60		473	716	1074				0.82	1166	56C	WDF-926-60-B5-G	**WDGF6026AG**	54
	60				1100	1467	2200		1.54	2255	56C	WDF-932-60-B5-G	**WDGF6032AG**	97

NOTE:
Service Class I Torque Ratings
Service Class II Torque Ratings
Service Class III Torque Ratings

NOTE: Optional Shaft Positions, Base Installation and Motor Mounting available through Mod Express. Refer to a Baldor District Office for pricing and delivery.
See page 39 for dimension drawing.
Data subject to change without notice. Contact Baldor for certified data.

Optional Gear Reducer Base Kits

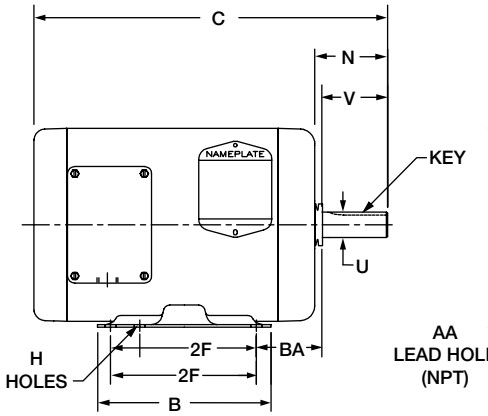


Base	Size (Position)	Catalog Number	A	B	C	D	E	F	G	H	Ap'x Wgt. Lbs.
Horiz.	913 (A,B)	**WDB13H71**	0.44	3.31	4.19	0.34	0.53	0.50	4.38	5.38	2
Horiz.	915 (A,B)	**WDB15H71**	0.57	4.31	5.44	0.41	0.60	0.60	5.25	6.44	6
Horiz.	918 (A,B)	**WDB18H71**	0.59	4.50	5.69	0.41	0.69	0.63	5.75	7.00	6
Horiz.	921 (A,B)	**WDB21H71**	0.63	4.69	5.94	0.47	0.72	0.9	6.38	7.75	6
Horiz.	924 (A,B)	**WDB24H71**	0.66	4.88	6.19	0.47	0.75	0.72	7.06	8.50	7
Horiz.	926 (A,B)	**WDB26H71**	0.70	5.25	6.66	0.53	0.75	0.81	8.00	9.63	9
Horiz.	930 (A,B)	**WDB30H71**	0.78	5.88	7.50	0.53	0.75	0.81	8.44	10.00	6
Horiz.	932 (A,B)	**WDB32H71**	0.77	6.13	7.66	0.53	0.88	0.84	9.50	11.19	13

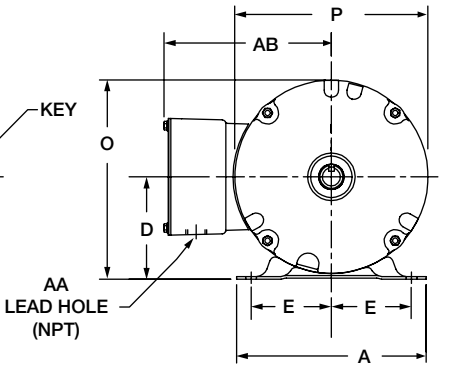
Dimension Drawings

Washdown NEMA 56 through 256TC

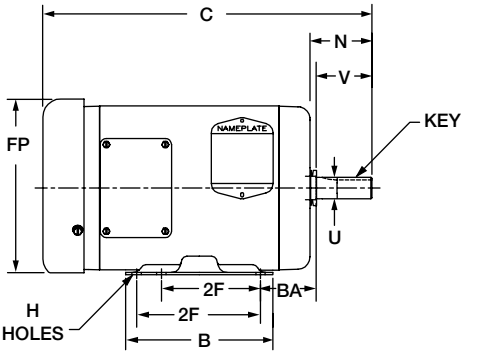
TENV Enclosure



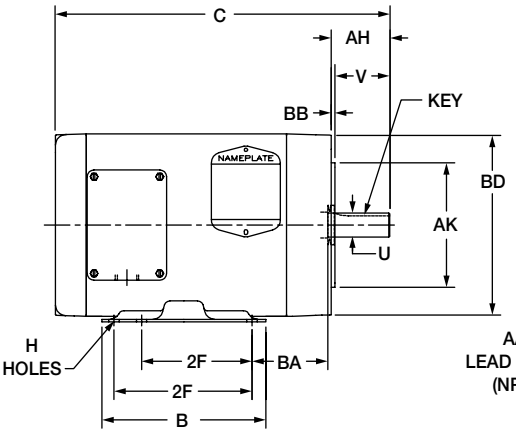
Base Mount



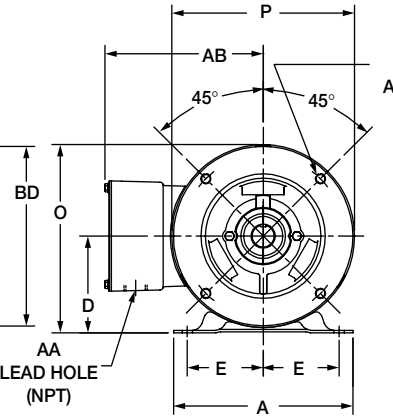
TEFC Enclosure



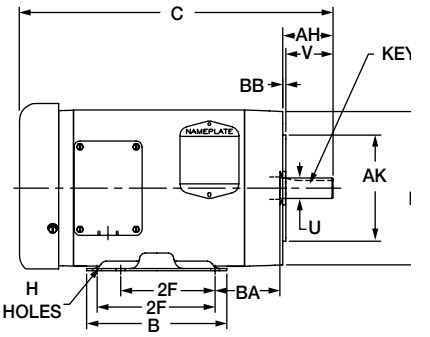
TENV Enclosure



C-face with or without Base



TEFC Enclosure



Catalog No. starting with "C" = C-face with base.
Catalog No. starting with "V" = C-face, no base.

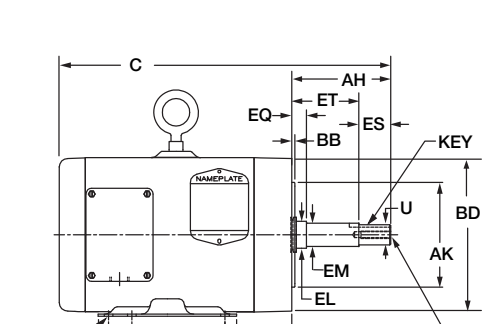
NEMA Frame	A	B	D	E	2F	H	N	O	P	U	V	AA	AB	AH	AJ	BF TAP	AK	BA	BB	BD
56	6.50	4.50	3.50	2.44	3.00	0.34	2.44	6.81	6.62	0.625	1.88	0.50	5.22	-	-	3/8-16	-	2.75	-	-
56C	6.50	4.50	3.50	2.44	3.00	0.34	-	6.81	6.62	0.625	1.88	0.50	5.22	2.06	5.88	3/8-16	4.50	2.75	0.12	6.50
143T	6.50	5.94	3.50	2.75	4.00	0.34	2.50	6.81	6.62	0.875	2.25	0.50	5.22	-	-	3/8-16	-	2.25	-	-
143TC	6.50	5.94	3.50	2.75	4.00	0.34	-	6.81	6.62	0.875	2.25	0.50	5.22	2.12	5.88	3/8-16	4.50	2.75	0.12	6.50
145T	6.50	5.94	3.50	2.75	5.00	0.34	2.50	6.81	6.62	0.875	2.25	0.50	5.22	-	-	3/8-16	-	2.25	-	-
145TC	6.50	5.94	3.50	2.75	5.00	0.34	-	6.81	6.62	0.875	2.25	0.50	5.22	2.12	5.88	3/8-16	4.50	2.75	0.12	6.50
182T	8.63	6.50	4.50	3.75	4.50	0.41	3.56	8.44	7.88	1.125	2.75	0.75	5.97	-	-	1/2-13	-	2.75	-	-
182TC	8.63	6.50	4.50	3.75	4.50	0.41	-	8.44	7.88	1.125	2.75	0.75	5.97	2.62	7.25	1/2-13	8.50	3.50	0.25	8.89
184T	8.63	6.50	4.50	3.75	5.50	0.41	3.56	8.44	7.88	1.125	2.75	0.75	5.97	-	-	1/2-13	-	2.75	-	-
184TC	8.63	6.50	4.50	3.75	5.50	0.41	-	8.44	7.88	1.125	2.75	0.75	5.97	2.62	7.25	1/2-13	8.50	3.50	0.25	8.89
213T	9.50	8.00	5.25	4.25	5.50	0.41	3.88	10.03	9.56	1.375	3.37	0.75	7.46	-	-	1/2-13	-	3.50	-	-
213TC	9.50	8.00	5.25	4.25	5.50	0.41	-	10.03	9.56	1.375	3.37	0.75	7.46	3.12	7.25	1/2-13	8.50	4.50	0.25	9.04
215T	9.50	8.00	5.25	4.25	7.00	0.41	3.88	10.03	9.56	1.375	3.37	0.75	7.46	-	-	1/2-13	-	3.50	-	-
215TC	9.50	8.00	5.25	4.25	7.00	0.41	-	10.03	9.56	1.375	3.37	0.75	7.46	3.12	7.25	1/2-13	8.50	4.50	0.25	9.04
254TC	11.25	9.50	6.25	5.00	8.25	0.53	-	12.00	11.50	1.625	4.00	1.25	8.99	3.75	7.25	1/2-13	8.50	4.75	0.25	9.44
256TC	11.25	11.25	6.25	5.00	10.00	0.53	-	12.00	11.50	1.625	4.00	1.25	8.99	3.75	7.25	1/2-13	8.50	4.75	0.25	9.44

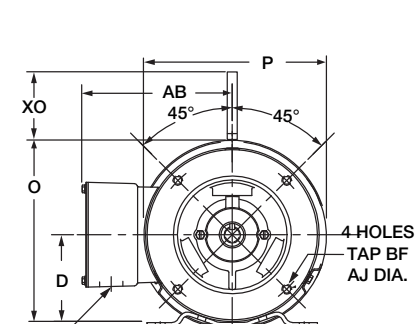
NOTE: Dimension for reference only. Contact a Baldor District Office or www.baldor.com for the detailed dimension drawing for your specific catalog number.

Dimension Drawings

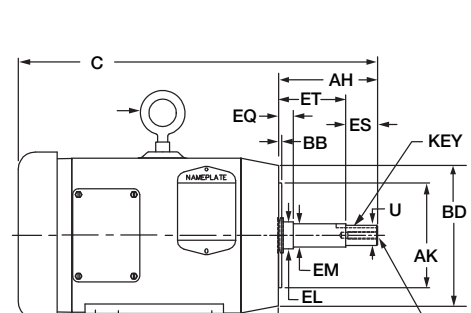
Washdown Duty Close-Coupled Pump
NEMA 143JM through 215JM

TENV Enclosure





TEFC Enclosure



NEMA Frame	A	B	D	E	2F	H	KEY	O	P	U	AA	AB	AH	AJ	BF TAP	AK	BA	BB	BD	XO
143JM	6.50	5.94	3.50	2.75	4.00	0.34	0.19	6.81	6.63	0.875	0.50	5.73	4.25	5.88	3/8-16	4.50	2.88	0.12	6.50	—
145JM	6.50	5.94	3.50	2.75	5.00	0.34	0.19	6.81	6.63	0.875	0.50	5.73	4.25	5.88	3/8-16	4.50	2.88	0.12	6.50	—
182JM	8.63	6.50	4.50	3.75	4.50	0.41	0.19	8.44	7.88	0.875	0.75	6.86	4.25	5.88	1/2-13	4.50	3.50	0.12	6.50	2.40
184JM	8.63	6.50	4.50	3.75	5.50	0.41	0.19	8.44	7.88	0.875	0.75	6.86	4.25	5.88	1/2-13	4.50	3.50	0.12	6.50	2.40
213JM	9.50	8.00	5.25	4.25	5.50	0.41	0.19	10.03	9.56	0.875	0.75	7.45	4.25	7.25	1/2-13	8.50	4.50	0.25	9.06	2.40
215JM	9.50	8.00	5.25	4.25	7.00	0.41	0.19	10.03	9.56	0.875	0.75	7.45	4.25	7.25	1/2-13	8.50	4.50	0.25	9.06	2.40

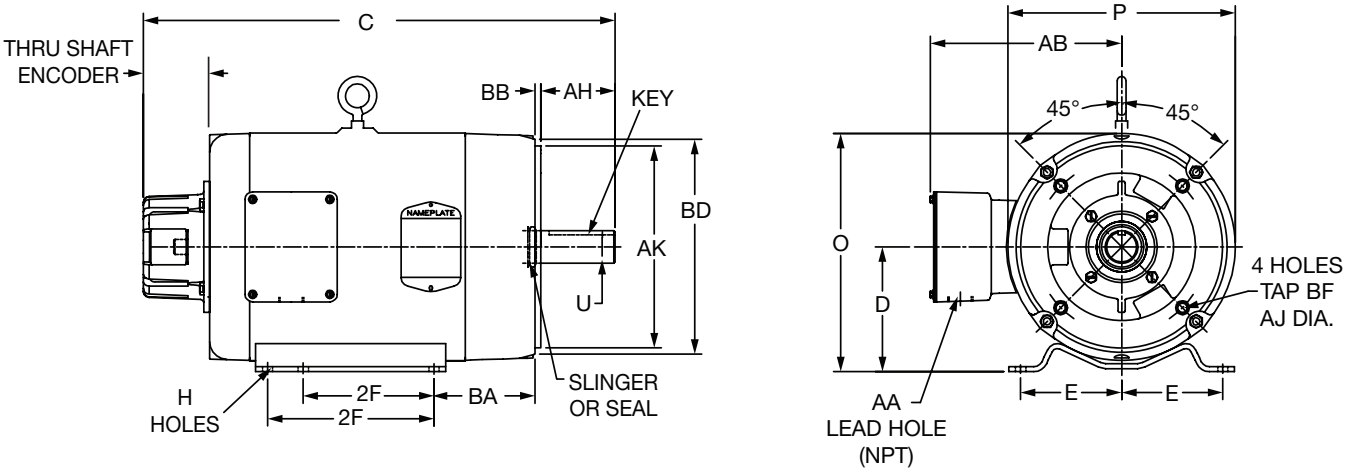
Washdown Closed-Coupled Pump Shaft Motors

NEMA Frame	EL	EM	EN	EQ	ES	ET
143JM	1.15	1.0	0.38-16 x 0.88	0.625	1.38	2.875
145JM	1.15	1.0	0.38-16 x 0.88	0.625	1.38	2.875
182JM	1.25	1.0	0.38-16 x 0.88	0.625	1.38	2.875
184JM	1.25	1.0	0.38-16 x 0.88	0.625	1.38	2.875
213JM	1.25	1.0	0.38-16 x 0.88	0.625	1.38	2.875
215JM	1.25	1.0	0.38-16 x 0.88	0.625	1.38	2.875

NOTE: Dimension for reference only. Contact a Baldor District Office or www.baldor.com for the detailed dimension drawing for your specific catalog number.

Dimension Drawings

Washdown Inverter and Vector Motors



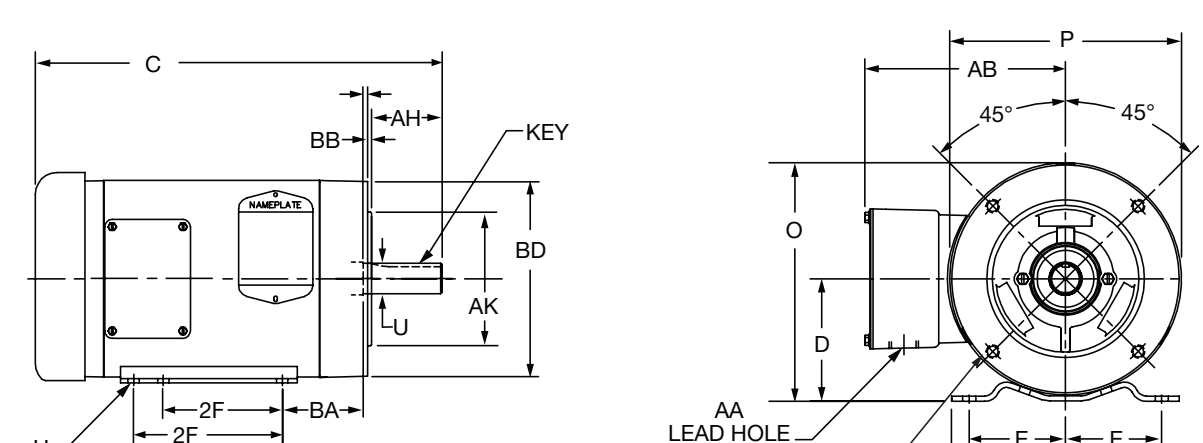
NEMA Frame	Thru Shaft Encoder	D	E	2F	H	AH	O	AB	BA	U	P	BD	AK	AJ	BF TAP	AA	BB
143TC	2.78	3.50	2.75	4.00	0.34	2.12	6.81	5.73	2.75	0.875	6.63	6.51	4.50	5.88	3/8-16	0.50	0.12
145TC				5.00													
182TC	2.78	4.50	3.75	4.50	0.41	2.62	8.44	6.87	3.50	1.125	7.88	8.86	8.50	7.25	1/2-13	0.75	0.25
184TC				5.50													
213TC	2.78	5.25	4.25	5.50	0.41	3.12	10.03	8.05	4.25	1.375	9.56	9.04	8.50	7.25	1/2-13	0.75	0.25
215TC				7.00													
254TC	1.79*	6.25	5.00	8.25	0.53	3.75	12.00	9.72	4.75	1.625	11.69	9.44	8.50	7.25	1/2-13	1.25	0.25
256TC				10.00													

NOTE: * 2.29 for Vector Motor.

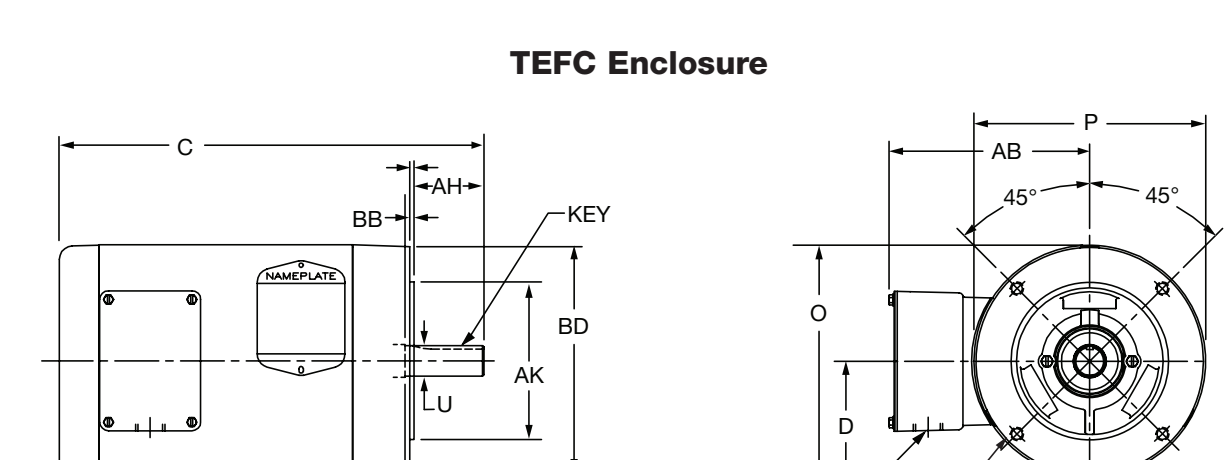
Dimension Drawings

Washdown Inverter – TEFC

TENV Enclosure



TEFC Enclosure

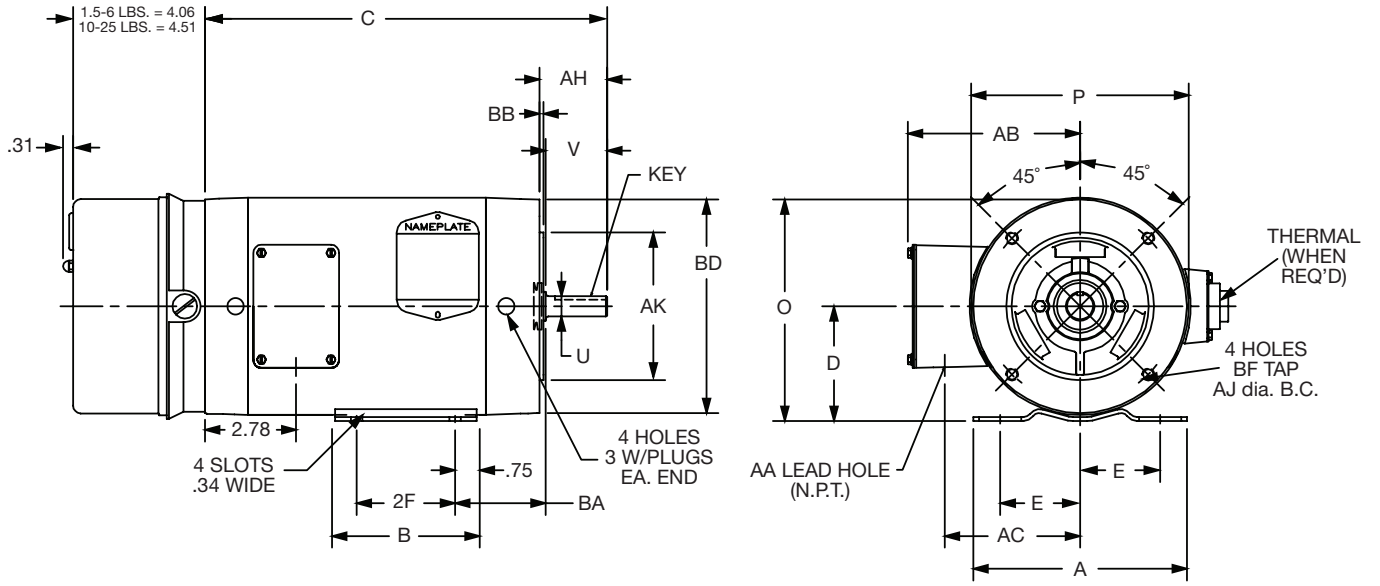


NEMA Frame	D	E	2F	H	AH	O	AB	BA	U	P	BD	AK	AJ	BF TAP	AA	BB
56C	3.50	2.44	3.00	0.34	2.06	6.81	5.73	2.75	0.625	6.62	6.50	4.50	5.88	3/8-16	0.50	0.12
143TC 145TC	3.50	2.75	4.00 5.00	0.38	2.12	6.81	5.73	2.75	0.875	6.62	6.50	4.50	5.88	3/8-16	0.50	0.12
182TC 184TC	4.50	3.75	4.50 5.50	0.41	2.62	9.00	6.56	3.5	1.125	8.50	8.86	8.50	7.25	1/2-13	0.75	0.25
213TC 215TC	5.25	4.25	5.50 7.00	0.41	3.12	10.03	7.46	4.25	1.375	10.18	9.04	8.50	7.25	1/2-13	0.75	0.25

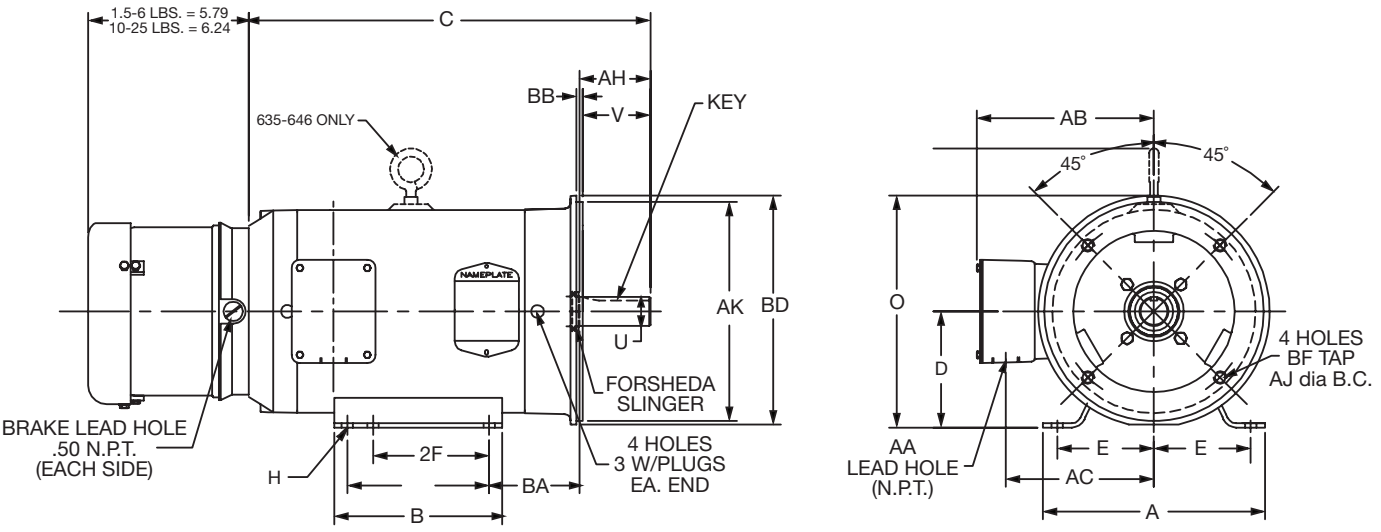
NOTE: Dimension for reference only. Contact a Baldor District Office or www.baldor.com for the detailed dimension drawing for your specific catalog number.

Dimension Drawings

Washdown Super-E – Brake Motor – TENV – C-Face with Base
56C – 143-145TC

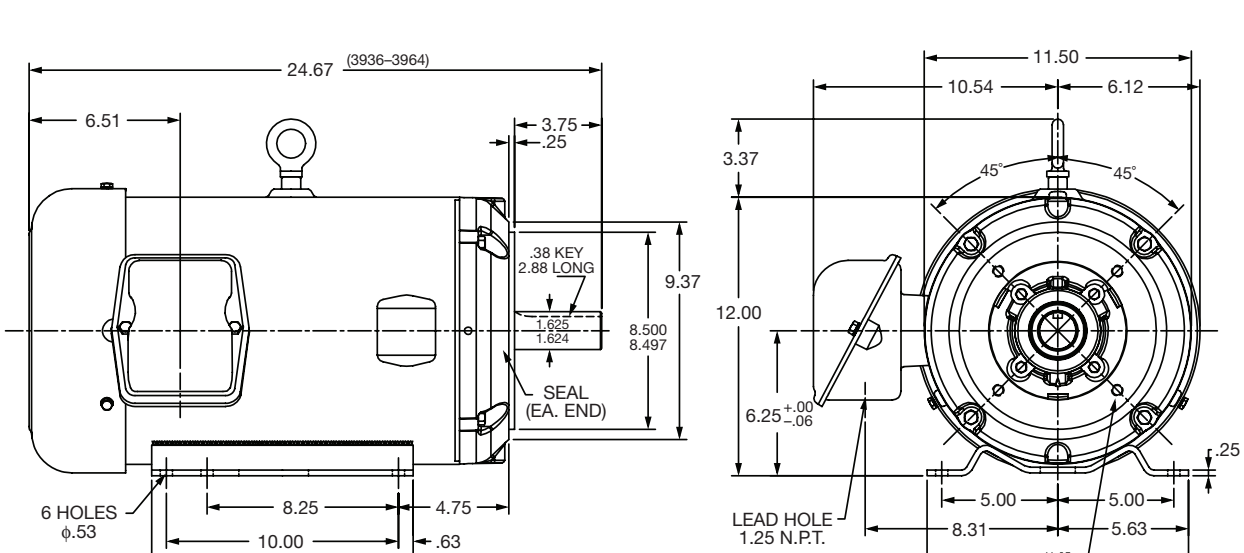


Washdown Super-E® – Brake Motor – TEFC – C-Face with Base
182-184TC – 254-256TC



Dimension Drawings

Stainless Steel Super-E – TEFC
254 - 256TC

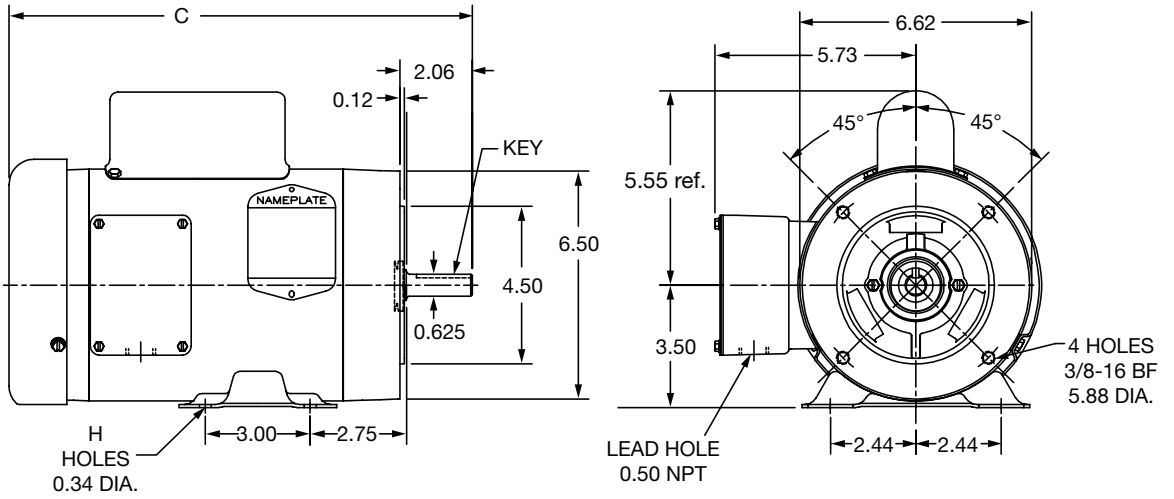


NEMA Frame	A	B	D	E	2F	H	N	O	P	U	V	AA	AB	AH	AJ	BF TAP	AK	BA	BB	BD
56	6.50	4.50	3.50	2.44	3.00	0.34	2.44	6.81	6.62	0.625	1.88	0.50	5.22	-	-	3/8-16	-	2.75	-	-
56C	6.50	4.50	3.50	2.44	3.00	0.34	-	6.81	6.62	0.625	1.88	0.50	5.22	2.06	5.88	3/8-16	4.50	2.75	0.12	6.50
143T	6.50	5.94	3.50	2.75	4.00	0.34	2.50	6.81	6.62	0.875	2.25	0.50	5.22	-	-	3/8-16	-	2.25	-	-
143TC	6.50	5.94	3.50	2.75	4.00	0.34	-	6.81	6.62	0.875	2.25	0.50	5.22	2.12	5.88	3/8-16	4.50	2.75	0.12	6.50
145T	6.50	5.94	3.50	2.75	5.00	0.34	2.50	6.81	6.62	0.875	2.25	0.50	5.22	-	-	3/8-16	-	2.25	-	-
145TC	6.50	5.94	3.50	2.75	5.00	0.34	-	6.81	6.62	0.875	2.25	0.50	5.22	2.12	5.88	3/8-16	4.50	2.75	0.12	6.50
182T	8.63	6.50	4.50	3.75	4.50	0.41	3.56	8.44	7.88	1.125	2.75	0.75	5.97	-	-	1/2-13	-	2.75	-	-
182TC	8.63	6.50	4.50	3.75	4.50	0.41	-	8.44	7.88	1.125	2.75	0.75	5.97	2.62	7.25	1/2-13	8.50	3.50	0.25	8.89
184T	8.63	6.50	4.50	3.75	5.50	0.41	3.56	8.44	7.88	1.125	2.75	0.75	5.97	-	-	1/2-13	-	2.75	-	-
184TC	8.63	6.50	4.50	3.75	5.50	0.41	-	8.44	7.88	1.125	2.75	0.75	5.97	2.62	7.25	1/2-13	8.50	3.50	0.25	8.89
213T	9.50	8.00	5.25	4.25	5.50	0.41	3.88	10.03	9.56	1.375	3.37	0.75	7.46	-	-	1/2-13	-	3.50	-	-
213TC	9.50	8.00	5.25	4.25	5.50	0.41	-	10.03	9.56	1.375	3.37	0.75	7.46	3.12	7.25	1/2-13	8.50	4.50	0.25	9.04
215T	9.50	8.00	5.25	4.25	7.00	0.41	3.88	10.03	9.56	1.375	3.37	0.75	7.46	-	-	1/2-13	-	3.50	-	-
215TC	9.50	8.00	5.25	4.25	7.00	0.41	-	10.03	9.56	1.375	3.37	0.75	7.46	3.12	7.25	1/2-13	8.50	4.50	0.25	9.04
254TC	11.25	9.50	6.25	5.00	8.25	0.53	-	12.00	11.50	1.625	4.00	1.25	8.99	3.75	7.25	1/2-13	8.50	4.75	0.25	9.44
256TC	11.25	11.25	6.25	5.00	10.00	0.53	-	12.00	11.50	1.625	4.00	1.25	8.99	3.75	7.25	1/2-13	8.50	4.75	0.25	9.44

NOTE: Dimension for reference only. Contact a Baldor District Office or www.baldor.com for the detailed dimension drawing for your specific catalog number.

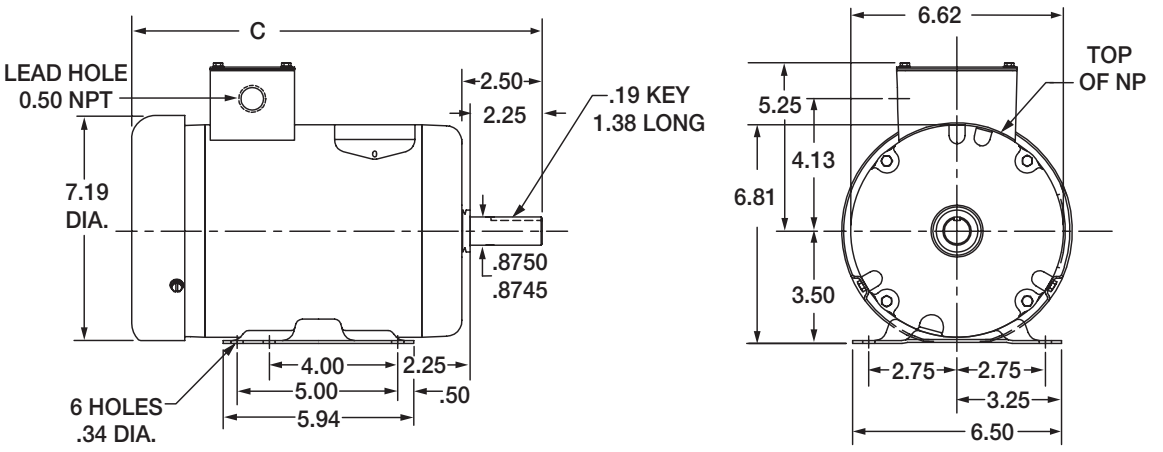
Dimension Drawings

Washdown Single Phase - 56C TEFC



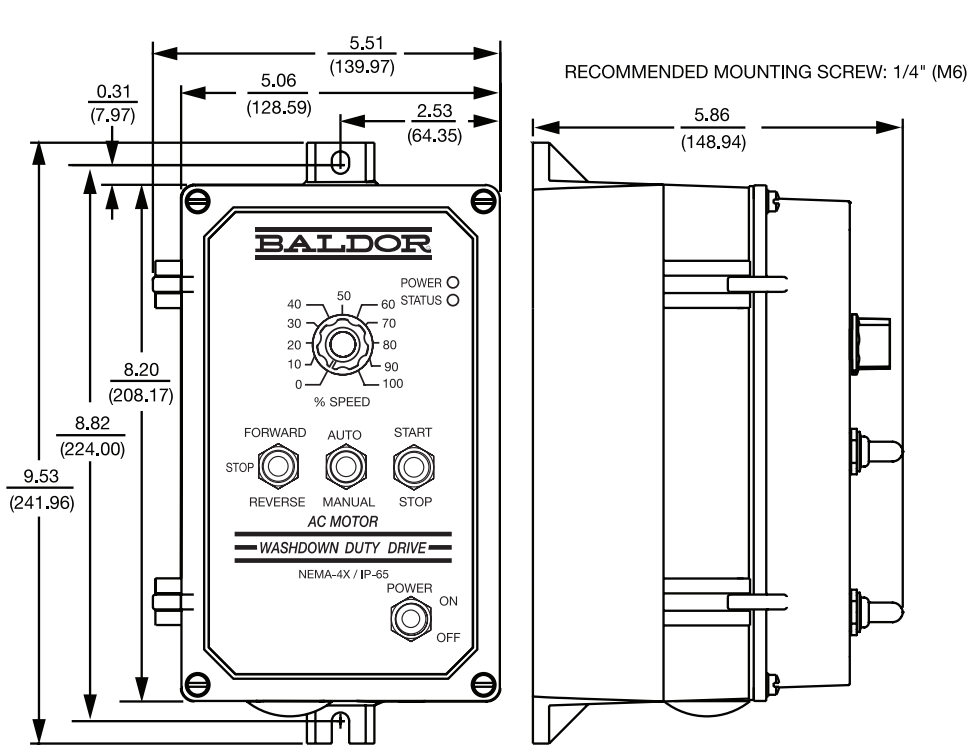
Catalog No. starting with "C" = C-face with base.
Catalog No. starting with "V" = C-face, no base.

Washdown Feather Picker

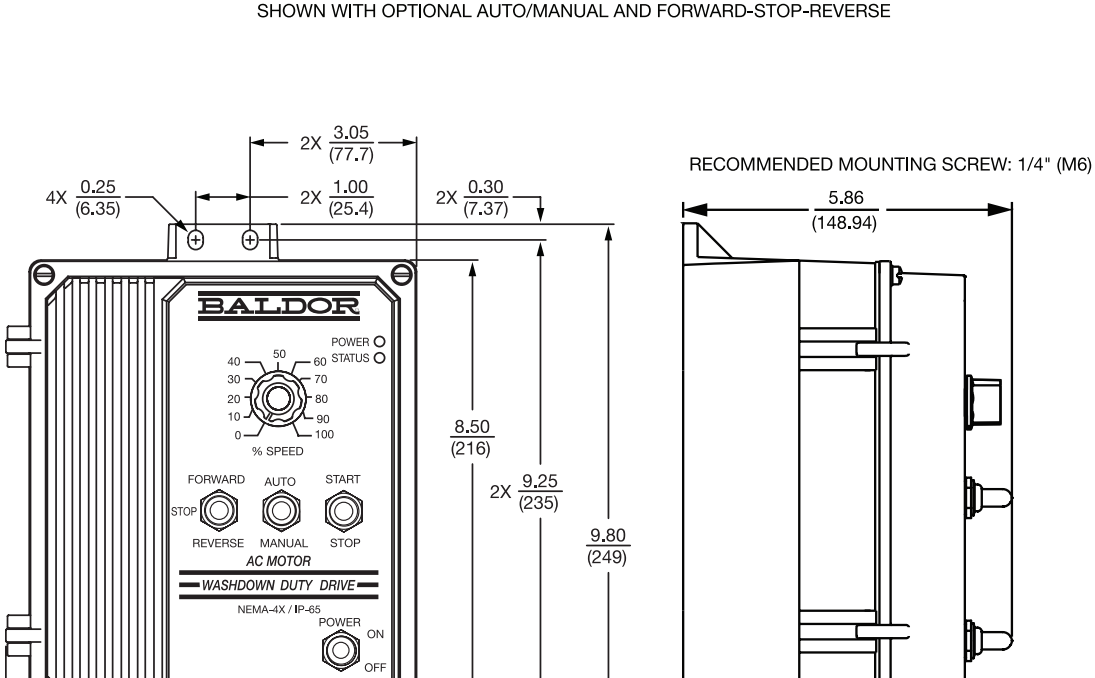


NOTE: Dimension for reference only. Contact a Baldor District Office or www.baldor.com for the detailed dimension drawing for your specific catalog number.

Dimension Drawings Series 5 Micro Inverters



SHOWN WITH OPTIONAL AUTO/MANUAL AND FORWARD-STOP-REVERSE



NOTE: Dimension for reference only. Contact a Baldor District Office or www.baldor.com for the detailed dimension drawing for your specific catalog number.

Dimension Drawings

Washdown DC Motors
NEMA 56C through 1810ATC

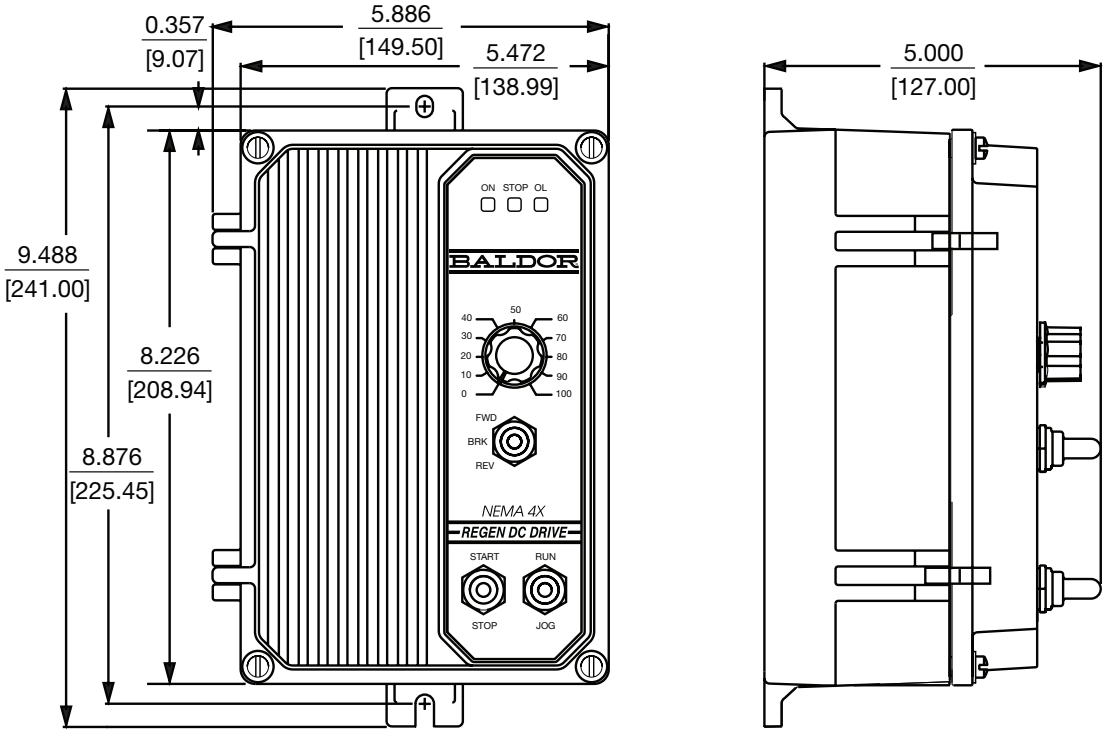
DC Motor Dim.			Tach* Hub	Foot Mounting					Pulley Shaft Dim.				Frame				
No.	Encl.	NEMA Frame		BA	E	2F	G	H	U	V	KEY	AH	A	B	D	O	P
#1	TENV	56C	1.16	2.75	2.44	3.00	0.18	0.34	0.625	1.87	0.19	2.06	6.50	4.50	3.50	5.80	4.68
	TEFC	56C	0.80	2.75	2.44	3.00 or 4.00	0.25	0.34 Slot-(6)	0.625	1.87	0.19	2.06	6.75	5.50	3.50	6.34	5.69
#2	TEFC	143TC	0.80	2.75	2.75	4.00 or 5.00	0.125	0.38-(6)	0.875	2.25	0.19	2.12	6.50	5.94	3.50	6.81	6.63
	TEFC	145TC	0.80	2.75	2.75	4.00 or 5.00	0.125	0.38-(6)	0.875	2.25	0.19	2.12	6.50	5.94	3.50	6.81	6.63
#3	TEFC	184TC	0.80	2.75	3.75	4.50 or 5.50	0.15	0.41-(6)	1.125	2.75	0.25	2.62	8.63	6.50	4.50	10.38	7.88
	TEFC	1810ATC	0.80	2.75	3.75	4.50 or 5.50 or 11.00	0.15	0.41-(12)	1.125	2.75	0.25	2.62	8.63	13.00	4.50	10.38	7.88

NOTE: * Tach adaptability only on white Washdown motors.

DC Motor Dim.			Conduit Box								
No.	Encl.	NEMA Frame	AA	AB	AC	AJ	AK	BB	BD	BF	FP
#1	TENV	56C	0.50	4.46	3.47	5.88	4.50	0.12	6.50	0.38-16(4)	—
#2	TEFC	56C	0.50	4.00	3.00	5.88	4.50	0.12	6.50	0.38-16(4)	6.20
	TEFC	143TC	0.50	4.25	3.38	5.88	4.50	0.12	6.50	0.38-16(4)	7.01
	TEFC	145TC	0.50	4.25	3.38	5.88	4.50	0.12	6.50	0.38-16(4)	7.01
#3	TEFC	184TC	0.50	5.88	4.75	7.25	8.50	0.25	8.87	0.50-13(4)	8.49
	TEFC	1810ATC	0.50	5.88	4.75	7.25	8.50	0.25	8.87	0.50-13(4)	8.49

NOTE: Dimension for reference only. Contact a Baldor District Office or www.baldor.com for the detailed dimension drawing for your specific catalog number.

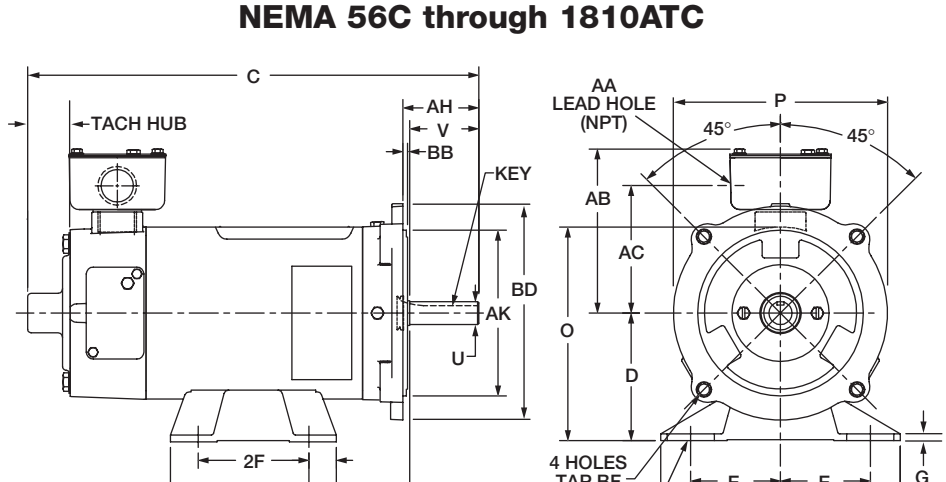
NEMA 4X Washdown Duty DC SCR Controls



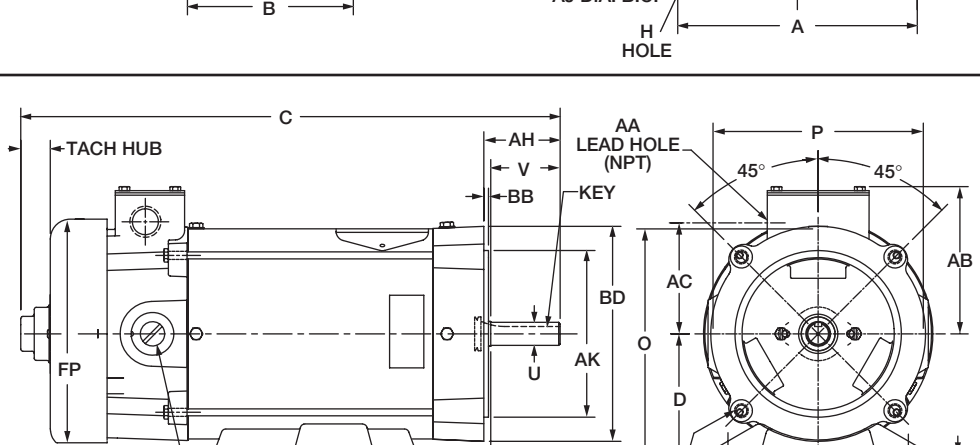
Dimension Drawings

Washdown DC Motors
NEMA 56C through 1810ATC

TENV 56C

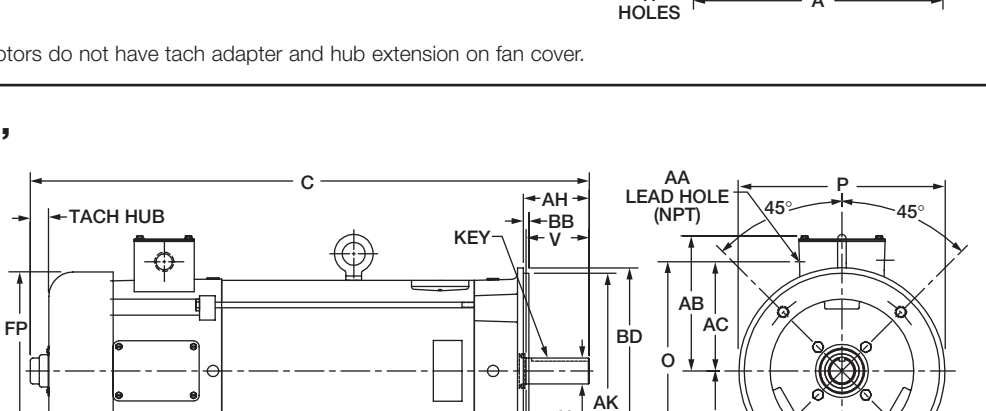


TEFC 56C, 143-5TC



Paint free motors do not have tach adapter and hub extension on fan cover.

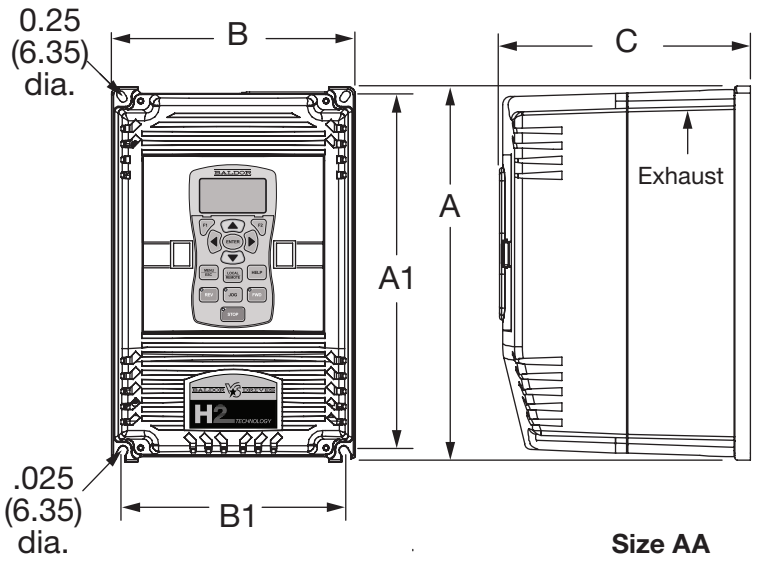
TEFC 184TC, 1810 ATC



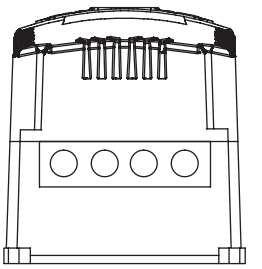
NOTE: Dimension drawing charts on next page.

Dimension Drawings

VS2SP Inverter/Encoderless and VS1GV Closed Loop Vector Washdown Controls



Size AA



Size	# Holes	Diameter inches (mm)
AA	4	0.6 (15)

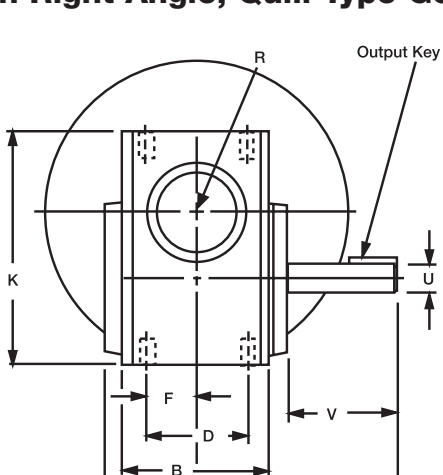
OM2000A01

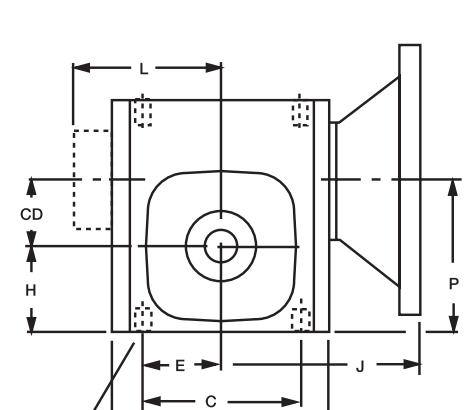
Size	Dimensions – inches (mm)					Aprx. Shpg. Weight
	Outside			Mounting		
	Height (A)	Width (B)	Depth (C)	Height (A1)	Width (B1)	
AA	12.27 (311)	7.97 (202)	8.21 (208)	11.75 (298)	7.38 (187)	20 (9.1)
B	18.00 (457)	9.10 (231)	9.75 (248)	17.25 (438)	7.00 (178)	30 (13.6)
C	22.00 (559)	9.10 (231)	9.75 (248)	21.25 (540)	7.00 (178)	60 (27.2)
D	28.00 (711)	11.50 (292)	13.00 (330)	27.25 (692)	9.50 (241)	120 (54.4)

NOTE: Dimension for reference only. Contact a Baldor District Office or www.baldor.com for the detailed dimension drawing for your specific catalog number.

Dimension Drawings

Washdown Right Angle, Quill Type Gear Reducer





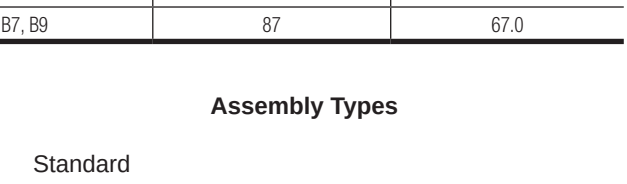
Size	C.D.	A	B	C	D	E	F	H	J			K	L Fan Guard	M	N	P	T	
									42CZ	56C 140TC	180TC						Tap Size	Depth
913	1.33	4.25	2.88	3.25	2.00	1.63	1.00	1.72	—	3.94	—	4.65	—	6.03	4.00	3.05	0.312-18	0.62
915	1.54	5.13	3.69	4.19	2.75	2.10	1.38	1.91	—	4.50	—	5.38	—	6.72	4.31	3.45	0.312-18	0.62
918	1.75	5.56	3.69	4.19	2.75	2.09	1.38	2.06	—	4.69	—	5.75	—	6.78	4.31	3.81	0.312-18	0.62
921	2.06	6.06	3.81	5.00	2.88	2.50	1.44	2.28	—	5.07	—	6.38	—	7.22	4.69	4.34	0.375-16	0.75
924	2.38	6.44	4.06	5.00	2.88	2.50	1.44	2.50	—	5.25	—	6.94	—	7.75	5.09	4.88	0.375-16	0.75
926	2.62	7.38	4.44	6.38	3.38	3.19	1.69	2.94	—	5.75	6.19	8.00	—	8.50	5.62	5.56	0.375-16	0.75
932	3.25	8.92	5.88	7.50	4.00	3.75	2.00	3.50	—	6.56	7.00	9.38	6.65	10.69	7.06	6.75	0.437-14	0.88

Size	Output Shaft		W-Key		Motor Size Available Per Size Any Ratio	Approximate Weight Lbs.	Approximate Oil Capacity oz.
	U +0.000 -0.001	V	Sq.	Lgth.			
913	0.625	2.19	0.188	1.000	B5, B7	13	6.5
915	0.750	2.06	0.188	1.000	B5	21	10.0
918	0.875	2.06	0.188	1.000	B5, B7	28	14.0
921	1.000	2.38	0.250	1.250	B5, B7	34	17.5
924	1.125	2.66	0.250	1.250	B5, B7, B9	40	26.5
926	1.125	2.78	0.250	2.000	B5, B7, B9	54	32.0
932	1.375	3.44	0.313	2.500	B5, B7, B9	87	67.0

Motor Information				
Worm Bore Size Desig.	NEMA Design	Bore +0.002 -0.000	Key Way	R
B4	42CZ *	0.500	0.125 x 0.063	2.16
B5	56C	0.625	0.187 x 0.093	3.31
B7	140TC/180C	0.875	0.187 x 0.093	3.31
B9	180TC/210C	1.125	0.250 x 0.125	4.63
B11	210TC/250UC	1.375	0.312 x 0.156	4.63

Assembly Types

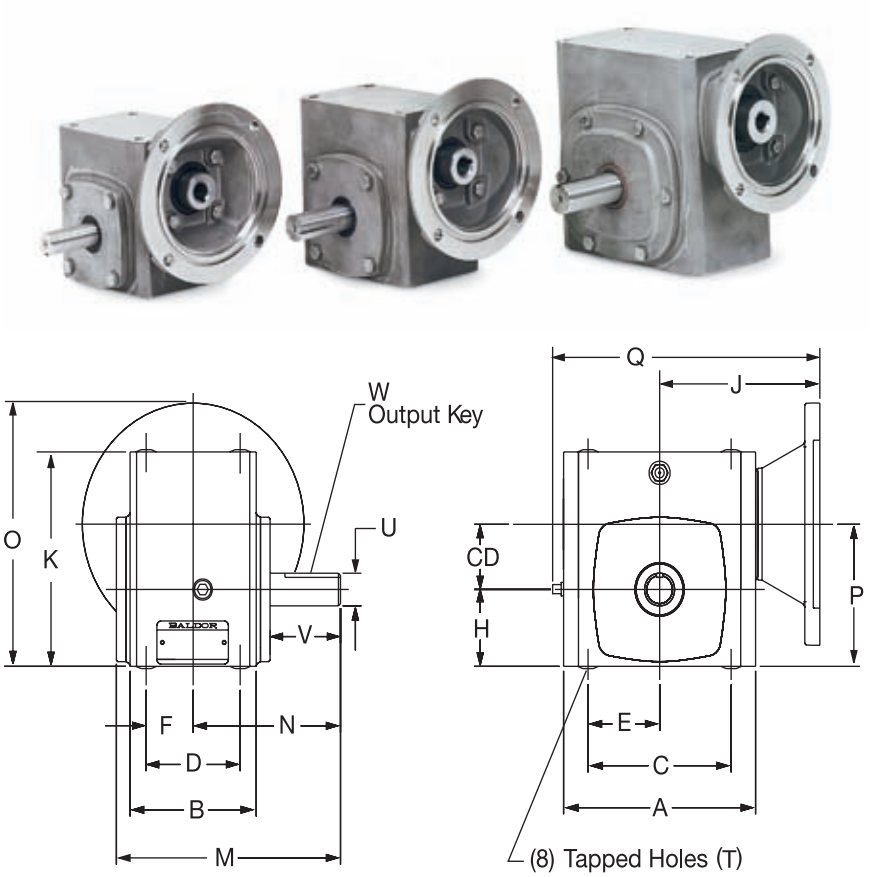
Standard



NOTE: * Has Keyway, Standard 42C has Flat
Dimension for reference only. Contact a Baldor District Office or www.baldor.com for the detailed dimension drawing for your specific catalog number.

Dimension Drawings

Stainless Steel Solid Shaft Gear Reducer

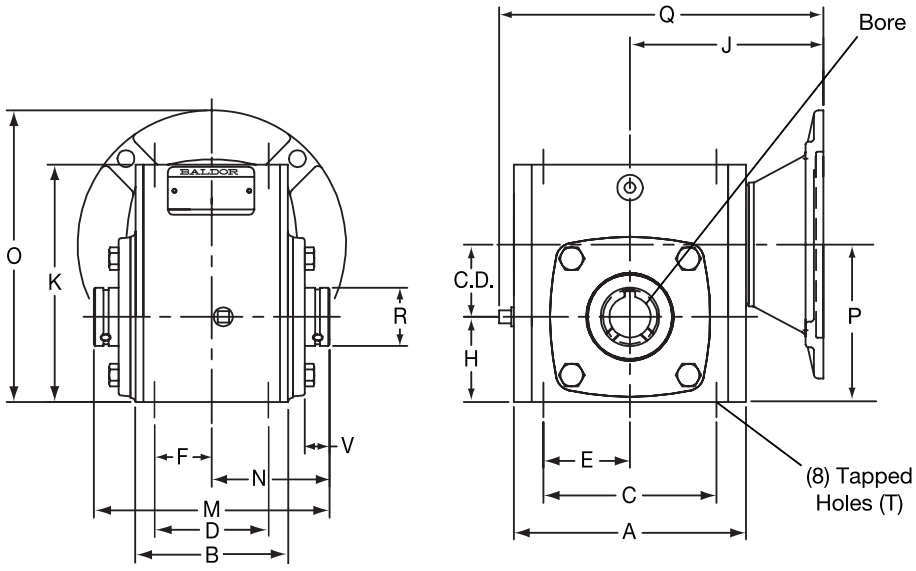


Size	C.D.	A	B	C	D	E	F	H	J		K	M	N	O		P
									56C 140TC	180TC				56C 140TC	180TC	
918	1.75	5.62	3.69	4.19	2.75	2.09	1.38	2.06	4.69	—	5.75	6.78	4.31	7.06	—	3.81
921	2.06	6.13	3.81	5.00	2.88	2.50	1.44	2.28	5.07	—	6.38	7.22	4.69	7.60	—	4.34
926	2.62	7.45	4.44	6.38	3.38	3.19	1.69	2.94	5.75	6.19	8.00	8.50	5.62	8.81	10.07	5.56

Size	Q		T		Output Shaft		W-Key		Motor Size Available Per Size Any Ratio	Approximate Weight Lbs.	Approximate Oil Capacity oz.
	56C 140TC	180TC	Tap Size	Depth	U +0.000 -0.001	V	Sq.	Lgth.			
918	7.85	—	0.312-18	0.59	0.875	2.06	0.188	1.00	B5, B7	30	14.0
921	8.63	—	0.375-16	0.69	1.000	2.38	0.250	1.25	B5, B7	38	17.5
926	9.90	10.34	0.375-16	0.69	1.125	2.78	0.250	2.00	B5, B7, B9	56	32.0

Dimension Drawings

Stainless Steel Hollow Bore Gear Reducer

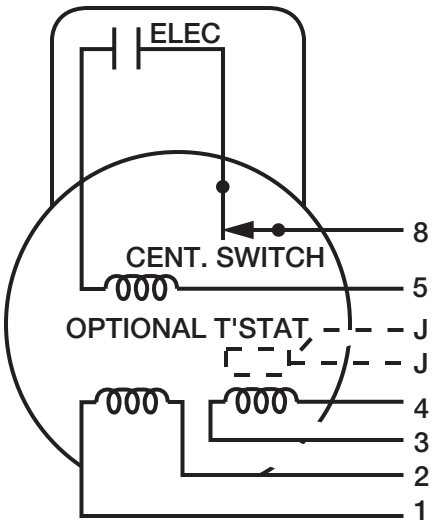


Size	C.D.	A	B	C	D	E	F	H	J		K	M	N	O		P
									56C 140TC	180TC				56C 140TC	180TC	
918	1.75	5.62	3.69	4.19	2.75	2.09	1.38	2.06	4.69	—	5.75	5.70	2.85	7.06	—	3.81
921	2.06	6.13	3.83	5.00	2.88	2.50	1.44	2.28	5.06	—	6.38	6.44	3.22	7.60	—	4.34
926	2.62	7.45	4.44	6.38	3.38	3.19	1.69	2.94	5.75	6.19	8.00	6.88	3.44	8.81	10.07	5.56

Size	Q		T		Output Shaft				W-Key		Motor Size Available Per Size Any Ratio	Approximate Weight Lbs.	Approximate Oil Capacity oz.
	56C 140TC	180TC	Tap Size	Depth	R	Bore Std.	Bore Max.	V	Sq.	Length			
918	7.85	—	0.312-18	0.59	1.42	1.000	1.125	.60	0.250	1.625	B5, B7	31	14.0
921	8.63	—	0.375-16	0.69	1.73	1.250	1.250	.63	0.250	1.625	B5, B7	36	17.5
926	9.90	10.34	0.375-16	0.69	2.56	1.438	2.000	.63	0.375	1.500	B5, B7, B9	59	32.0

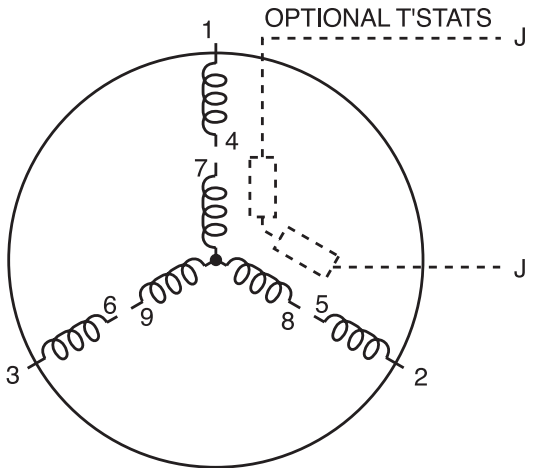
Connection Diagrams – AC

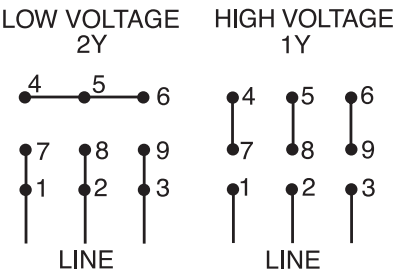
CD0001



VOLT	↻	LINE A	LINE B	JOIN
HIGH	STD	1	4,5	2,3,8
HIGH	OPP	1	4,8	2,3,5
LOW	STD	1,3,8	2,4,8	–
LOW	OPP	1,3,8	2,4,8	–

CD0005

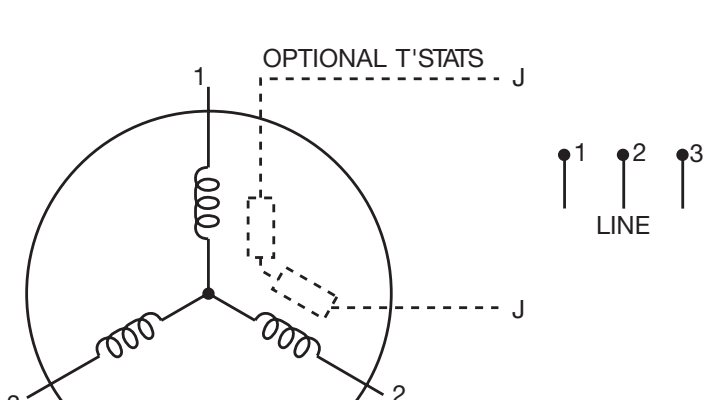




NOTE: Standard rotation is CCW facing end opposite drive extension.

Connection Diagrams – AC

CD0006



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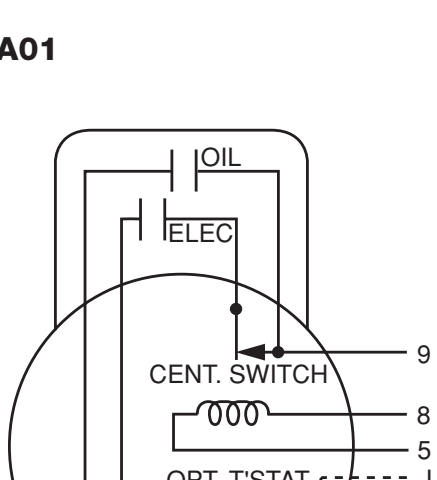
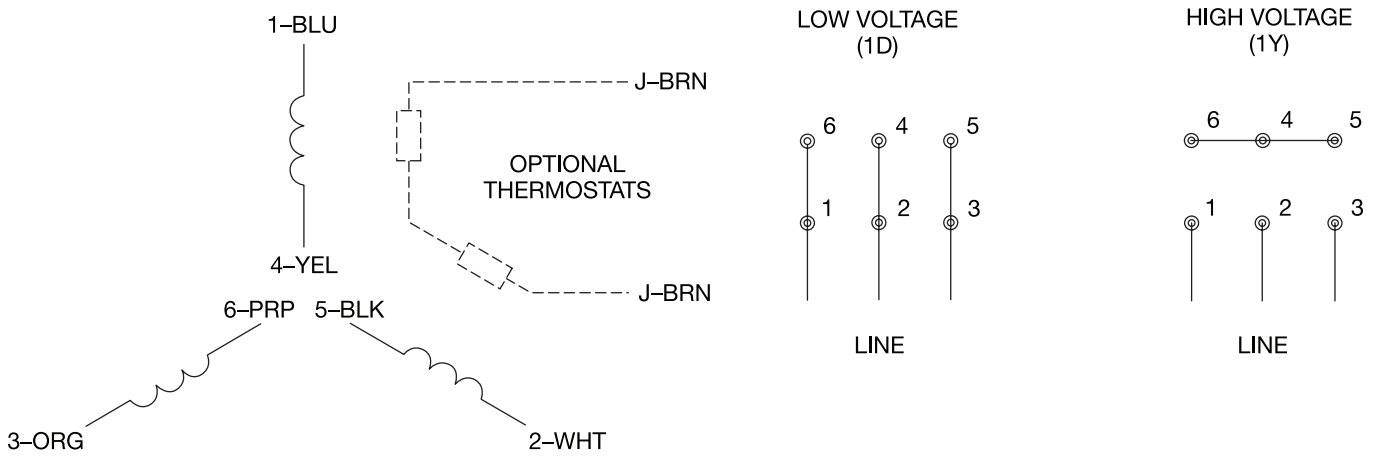


VOLT	↻	LINE A	LINE B	JOIN	JOIN
HIGH	STD	1	4,5	2,3	8,9
HIGH	OPP	1	4,8	2,3	5,9
LOW	STD	1,3	2,4,5	8,9	
LOW	OPP	1,3	2,4,8	5,9	

NOTE: Standard rotation is CCW facing end opposite drive extension.

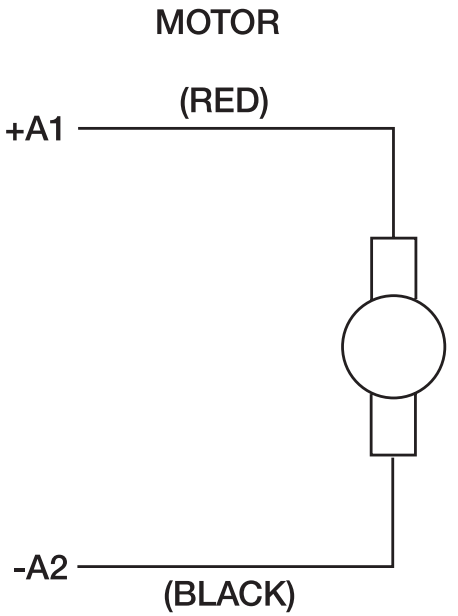
Connection Diagrams – AC

CD0022



Connection Diagrams – DC

CD0194



NOTE: Standard rotation is CCW facing end opposite drive extension.

Customer Preference

2007 marked the fourth consecutive year that Baldor washdown products have won the *"Readers Choice Awards"* from *Food Processing* magazine. In 2007, Baldor•Reliance motors received 65% of the votes in that category (10 times more than the next closest competitor). In the Power Transmission category, Baldor•Dodge•Reliance received 25% of the votes (5 times more than next closest competitor).

One of the key items that surfaced in the 2007 survey was the importance of customer service as a decision factor. Customer service is a key component in Baldor's *Value Formula*.

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