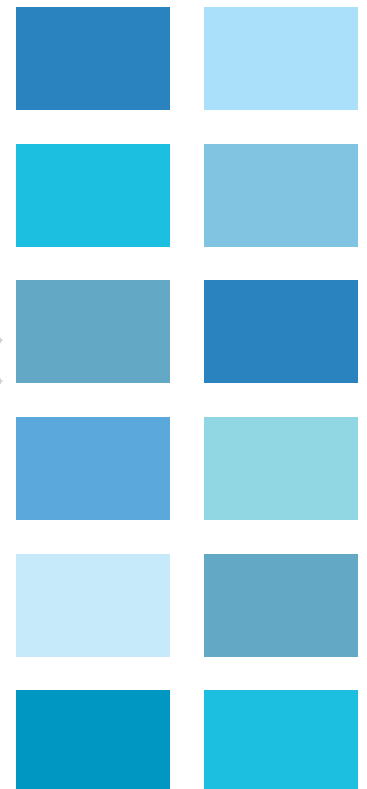
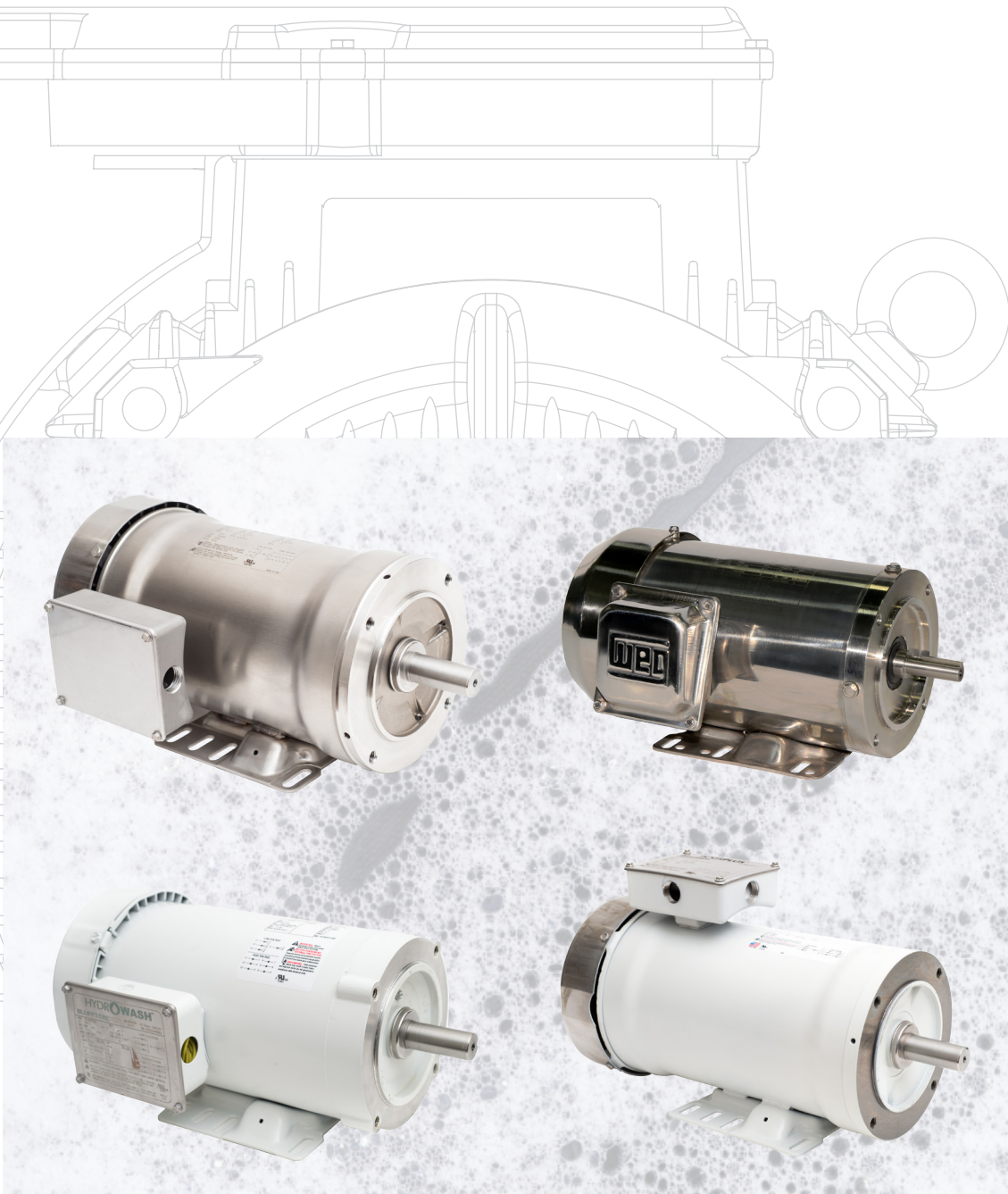


Washdown Motors

Toughest, Longest Lasting Motors
for Washdown Applications



Four Choices to Reduce Your Washdown Motor Replacement Costs

We offer four motor choices to provide you with the performance, durability and economy you need for specific washdown applications. This offers you more choices to lower your motor replacement costs and increase your return-on-investment.

Encapsulated Washdown Motors

Encapsulated winding and a patented sealing system to ensure they will “standup” in the most severe applications.

Hydroduty™



The Ultimate Washdown Motor

- This is the ultimate stainless steel waterproof motor. It has been proven to provide 75% more cycles than other brands through extreme environment testing.
- Significantly reduces motor replacement and downtime costs

Performance Specifications

- 1/2 to 5 hp, 860, 1140, 1725 or 3450 RMP
- TENV or TEFC enclosures
- NEMA Frames 56C, 143TC, 145TC and 182TC
- Metric Frame 80-B5 and 100L
- IP66

PickerPlus™



Severe Duty Feather Picker Motor

- Withstands Frequent sanitizing with high pressure sprays and caustic fluids.
- Designed to withstand extreme side loading requirements
- Meets NEMA MG1 Part 31 for Invert Duty operation

Performance Specifications

- 3 hp, 1725 RPM
- TEFC enclosure
- 145TC NEMA or 100L Metric Frames
- Footless or Base Mounted

General Purpose Washdown Motors

Shark™



Stainless Steel Washdown Motor

- For use in food processing, pharmaceutical and other applications requiring extreme cleanliness
- Class F epoxy insulation
- F1 mounted

Performance Specifications

- 1-10 hp NEMA Premium
- 1800 and 3600 RPM
- TEFC enclosures
- Frames 143TC to 215TC
- Base Mounted

HydroWash™



White Painted Washdown Motor

- Designed for long service life in general purpose washdown applications
- It provides extended service life that can reduce your downtime costs for motor replacement

Performance Specifications

- 1/2 to 2 hp, 1725 RPM
- TENV or TEFC enclosures
- NEMA Frames 56C or 145TC
- Footless or Base Mounted

Bluffton™ Severe Duty Washdown Motors

Designed and Built to Last Longer

Indelible Laser Etched Nameplate

Patented Three Stage Sealing System
Ensures watertight fit. Includes custom lip seal, stainless steel shaft slinger and severe duty check seal.

Sealed Conduit Box
Includes patented lead system, potted and encapsulated to prevent water intrusion

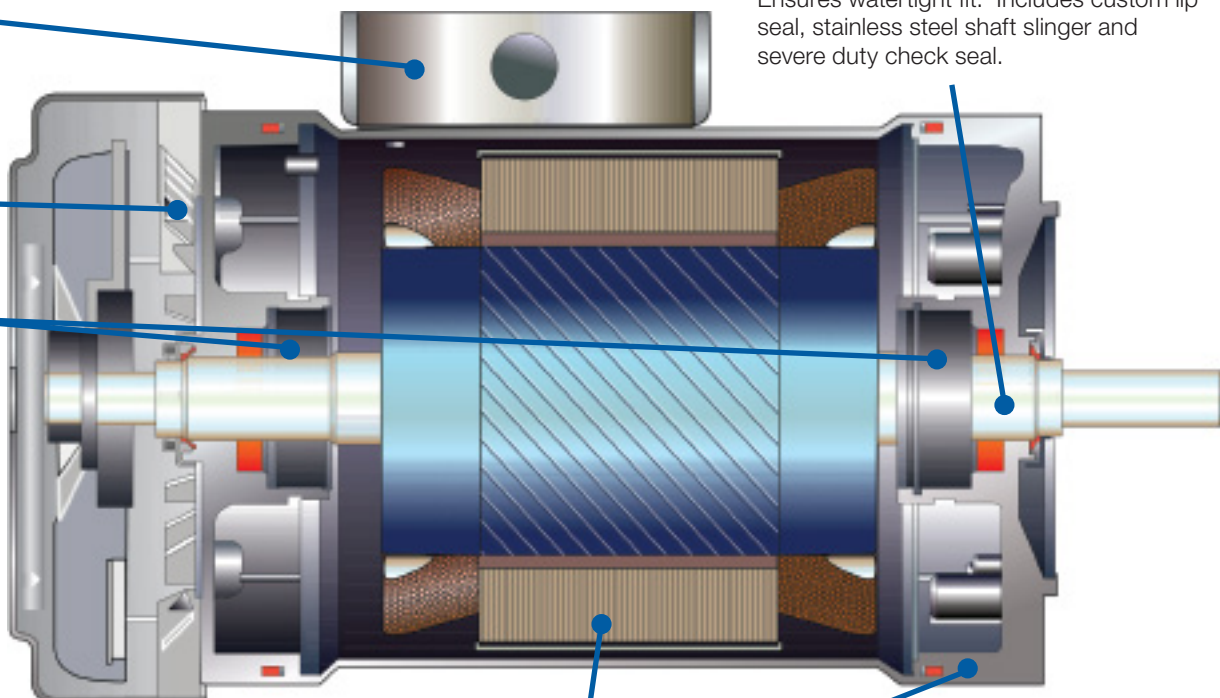
Patented Breather Vent
Prevents oil and water contamination

Double Sealed Ball Bearings
Provide long service life. Drip grooves keep condensation away from bearings

Both Endshields include O-Rings
Prevents moisture from entering the frame

Frame and Construction Hydroduty™
Premium stainless steel for maximum corrosion resistance

HydroWash™ and PickerPlus™
High grade steel with corrosion resistance



Strategically placed drains

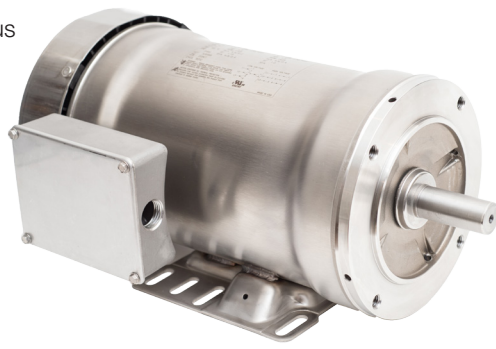
Windings

Hydroduty™ & Picker Plus™: Premium, Patented SprayGuard™ Encapsulated Windings for Optimum Service Life. NEMA MG1 Inverter Duty.

Trust Bluffton for the Toughest - Longest Lasting Motors for Washdown Applications

- **Built Durable** Withstands frequent sanitizing with high pressure sprays and extreme side loading requirements. Especially designed for severe duty washdown applications.
- **Economical** Long lasting design that outperforms any other motor on the market. Extended service life that can save you \$10,000 - \$15,000 in downtime costs for motor replacement.
- **Best Warranty** We stand by our motors with the best warranties in the business.





**Stop Replacing
Motors So Often**
 Trust Hydroduty™ Motors for the
 Toughest and Longest Lasting
 Performance for Washdown Applications

Foot Mount

HP	RPM	Frame	Model#	Cat #	List Price	Multi.	Enclosure	HZ	SF	FL Amps	C Dim	KVA Code	Appr. Ship Wt (lbs.)
0.5	3450/2875	56C	1323007112	53092	1,416	S1	TENV	60/50	1.15/1.00	1.6/0.8-1.8/0.9	11.400	N	46
	1725/1425	56C	1321007115	53087	1,439	S1	TENV	60/50	1.00	1.7/85-1.8/0.9	11.400	M	45
	1140/950	56C	1311017133	53141	1,694	S1	TEFC	60/50	1.15/1.00	2.2/1.1-2.4/1.2	13.990	K	52
0.75	3450/2875	56C	1323007110	53093	1,460	S1	TENV	60/50	1.15/1.00	2.2/1.1-2.4/1.2	12.150	N	52
	1725/1425	56C	1321007113	53088	1,483	S1	TENV	60/50	1.00	2.4/1.2-2.6/1.3	12.150	M	50
	1725/1425	56C	1311017121	53135	1,544	S1	TEFC	60/50	1.15/1.00	2.6/1.3-3.0/1.5	13.240	M	46
	1140/950	56C	1311017134	53143	1,722	S1	TEFC	60/50	1.15/1.00	3.0/1.5-3.4/1.7	14.490	J	55
	860	56C	1311017159	63994	1,794	S1	TEFC	60	1.00	2.7	15.420	N	61
1	3450/2875	56C	1313017156	53131	1,601	S1	TEFC	60/50	1.15/1.00	3.0/1.5-3.4/1.7	13.240	M	48
	1725/1425	56C	1321007112	53089	1,591	S1	TENV	60/50	1.00	3.2/1.6-3.4/1.7	13.150	M	58
	1725/1425	56C	1311017115	53136	1,619	S1	TEFC	60/50	1.15/1.00	3.2/1.6-3.6/1.8	13.990	L	53
	1725/1425	56C	1321007139**	53178	1,696	S1	TENV	60/50	1.00	3.2/1.6 - 3.4/1.7	13.150	M	58
	1725/1425	143TC	1321007119	53097	1,615	S1	TENV	60/50	1.00	3.2/1.6-3.4/1.7	13.220	M	58
	1725/1425	143TC	1311017124	53139	1,642	S1	TEFC	60/50	1.15/1.00	3.2/1.6-3.6/1.8	14.060	L	53
	1140/950	56C	1311017138	53145	1,875	S1	TEFC	60/50	1.15/1.00	3.8/1.9-4.0/2.0	15.490	J	62
	1140/950	143TC	1311017130	53147	1,886	S1	TEFC	60/50	1.15/1.00	3.8/1.9-4.0/2.0	15.560	J	62
1.5	3450/2875	56C	1313017154	53095	1,658	S1	TEFC	60/50	1.15/1.00	4.6/2.3-5.0/2.5	13.240	M	49
	3450/2875	145TC	1313017155	53100	1,658	S1	TEFC	60/50	1.15/1.00	4.6/2.3-5.0/2.5	13.310	M	49
	1725/1425	56C	1311017110	53090	1,683	S1	TEFC	60/50	1.15/1.00	4.4/2.2-4.8/2.4	14.490	K	55
	1725/1425	145TC	1311017111	53098	1,706	S1	TEFC	60/50	1.15/1.00	4.4/2.2-4.8-2.4	14.560	K	55
2	3450/2875	56C	1313017152	53096	1,958	S1	TEFC	60/50	1.15/1.00	5.8/2.9-6.4/3.2	13.990	M	54
	3450/2875	145TC	1313017153	53101	1,976	S1	TEFC	60/50	1.15/1.00	5.8/2.9-6.4/3.2	14.060	M	54
	1725/1425	56C	1311017114	53091	1,981	S1	TEFC	60/50	1.15/1.00	5.6/2.8-6.2/3.1	15.490	K	62
	1725/1425	145TC	1311017113	53099	2,005	S1	TEFC	60/50	1.15/1.00	5.6/2.8-6.2/3.1	15.560	K	62
3	1725	182TC	H311007101	53154	4,210	S1	TEFC	60	1.15	8.9-8.4/4.2	17.960	J	130
5	1725	184TC	H311007102	53156	4,953	S1	TEFC	60	1.00	14.4-13.4/6.7	18.580	J	140

Footless

HP	RPM	Frame	Model#	Cat #	List Price	Multi.	Enclosure	HZ	SF	FL Amps	C Dim	KVA Code	Appr. Ship Wt (lbs.)
0.5	3450/2875	56C	1323007113	53109	1,398	S1	TENV	60/50	1.15/1.00	1.6/0.8-1.8/0.9	11.400	N	45
	1725/1425	56C	1321007121	53114	1,421	S1	TENV	60/50	1.00	1.7/85-1.8/0.9	11.400	M	44
	1140/950	56C	1311017136	53142	1,666	S1	TEFC	60/50	1.15/1.00	2.2/1.1-2.4/1.2	13.990	K	51
0.75	3450/2875	56C	1323007114	53110	1,443	S1	TENV	60/50	1.15/1.00	2.2/1.1-2.4/1.2	12.150	N	51
	1725/1425	56C	1321007117	53115	1,465	S1	TENV	60/50	1.00	2.4/1.2-2.6/1.3	12.150	M	49
	1725/1425	56C	1311017122	53137	1,526	S1	TEFC	60/50	1.15/1.00	2.6/1.3-3.0/1.5	13.240	M	45
	1140/950	56C	1311017137	53144	1,704	S1	TEFC	60/50	1.15/1.00	3.0/1.5-3.4/1.7	14.490	J	51

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Footless (continued)

HP	RPM	Frame	Model#	Cat #	List Price	Multi.	Enclosure	HZ	SF	FL Amps	C Dim	KVA Code	Appr. Ship Wt (lbs.)
1	3450/2875	56C	1313017161	53111	1,581	S1	TEFC	60/50	1.15/1.00	3.0/1.5-3.4/1.7	13.240	M	47
	1725/1425	56C	1321007125	53116	1,572	S1	TENV	60/50	1.00	3.2/1.6-3.4/1.7	13.150	M	57
	1725/1425	56C	1321007140**	53179	1,676	S1	TENV	60/50	1.00	3.2/1.6 - 3.4/1.7	13.150	M	58
	1725/1425	56C	1311017123	53138	1,601	S1	TEFC	60/50	1.15/1.00	3.2/1.6-3.6/1.8	13.990	L	52
	1725/1425	143TC	1321007124	53121	1,595	S1	TENV	60/50	1.00	3.2/1.6-3.4/1.7	13.220	M	57
	1725/1425	143TC	1311017125	53140	1,626	S1	TEFC	60/50	1.15/1.00	3.2/1.6-3.6/1.8	14.060	L	52
	1725	100L	1321007158	53202	1,891	S1	TENV	60	1.00	3.2/1.6	13.440	M	52
	1725/1425	80-B5	1311017152	53196	1,879	S1	TEFC	60/50	1.15/1.00	3.2/1.6-3.6/1.8	14.800	L	58
1.5	3450/2875	56C	1313017159**	53112	1,641	S1	TEFC	60/50	1.15/1.00	4.6/2.3-5.0/2.5	13.240	M	48
	1725/1425	56C	1311017117	53117	1,663	S1	TEFC	60/50	1.15/1.00	4.4/2.2-4.8-2.4	14.490	K	54
	1725/1425	145TC	1311017118	53122	1,688	S1	TEFC	60/50	1.15/1.00	4.4/2.2-4.8-2.4	14.560	K	54
2	3450/2875	56C	1313017157	53113	1,940	S1	TEFC	60/50	1.15/1.00	5.8/2.9-6.4/3.2	13.990	M	53
	3450/2875	145TC	1313017158	53120	1,958	S1	TEFC	60/50	1.15/1.00	5.8/2.9-6.4/3.2	14.060	M	53
	1725/1425	56C	1311017119	53118	1,962	S1	TEFC	60/50	1.15/1.00	5.6/2.8-6.2/3.1	15.490	K	61
	1725/1425	145TC	1311017120	53123	1,985	S1	TEFC	60/50	1.15/1.00	5.6/2.8-6.2/3.1	15.560	K	61
3	1725	182TC	H311007103	13992	4,155	S1	TEFC	60	1.15	8.9-8.4/4.2	17.960	J	128
5	1725	184TC	H311007104	64009	4,924	S1	TEFC	60	1.00	14.4-13.4/6.7	18.580	J	138

**Low temperature ratings

All ratings are 208-230/460; 40° C ambient; Class F insulation

PickerPlus™



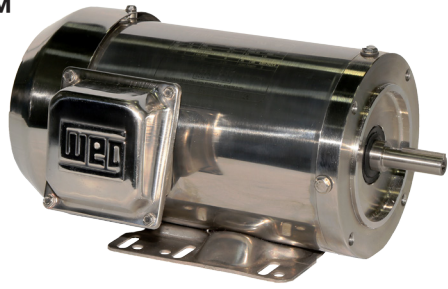
**This Motor Doesn't
Chicken Out**
You Can Trust Bluffton for the Toughest
- Longest Lasting Motor for Feather
Picking Applications

Foot Mount

HP	RPM	Frame	Model #	Cat #	List Price	Multi.	Base	Enclosure	HZ	SF	FL Amps	C Dim	KVA Code	Appr. Ship Wt (lbs.)
3	1725	145TC	1311017192	13993	1,736	S1	Y	TEFC	60	1.00	8.80/4.40	15.560	K	68
	1725	100L	1311017196	13997	1,852	S1	Y	TEFC	60	1.00	8.80/4.40	15.780	K	68

Footless

HP	RPM	Frame	Model #	Cat #	List Price	Multi.	Base	Enclosure	HZ	SF	FL Amps	C Dim	KVA Code	Appr. Ship Wt (lbs.)
3	1725	100L-B14	1311017195	53211	1,803	S1	N	TEFC	60	1.00	8.80/4.40	15.780	K	66
	1725	100L-B5	1311017191	13994	1,820	S1	N	TEFC	60	1.00	8.80/4.40	16.180	K	71



Super Tough Motor for Washdown Environments

Great for food processing, pharmaceutical and other applications requiring extreme cleanliness and frequent washdowns

C-Face/Foot Mount

HP	kW	RPM	Frame Size	Catalog Number	List Price	Mult. Symbol	Enclosure	Approx. Shipping Weight (lbs)	Service Factor	FL Amps @ 460V	FL. Eff (%)	"C" Dimension (in)	Voltage (V)
0.33	0.25	1800	56C	.3318EP3ESS56C	550	S1	TENV	29	1.15	0.53	79.8	11.250	208-230/460
0.5	0.37	3600	56C	.5036EP3ESS56C	569	S1	TENV	30	1.15	0.65	78.3	11.250	208-230/460
		1800	56C	.5018EP3ESS56C	575	S1	TENV	33	1.15	0.73	81.2	11.250	208-230/460
		1200	56C	.5012EP3ESS56C	682	S1	TENV	34	1.15	0.86	79.1	11.670	208-230/460
		3600	56C	.7536EP3ESS56C	590	S1	TENV	30	1.15	1.02	81.9	11.250	208-230/460
0.75	0.55	1800	56C	.7518EP3ESS56C	616	S1	TENV	34	1.15	1.06	81.3	11.250	208-230/460
		1200	56HC	.7512EP3ESS56C	723	S1	TENV	41	1.15	1.22	82.9	11.670	208-230/460
		3600	56HC	00136ET3ESS56C	701	S1	TEFC	38	1.15	1.45	77.0	14.000	208-230/460
1	0.75	1800	56HC	00118ET3ESS56C	723	S1	TEFC	38	1.15	1.46	85.5	14.000	208-230/460
		1800	143TC	00118ET3ESS143TC	857	S1	TEFC	38	1.15	1.40	85.5	12.600	208-230/460
		3600	56HC	00156ET3ESS56C	825	S1	TEFC	41	1.15	1.99	84.0	14.000	208-230/460
1.5	1.1	1800	56HC	00158ET3ESS56C	846	S1	TEFC	44	1.15	2.06	86.5	14.000	208-230/460
		1800	145TC	00158ET3ESS145TC	872	S1	TEFC	44	1.15	2.08	86.5	13.600	208-230/460
		3600	56HC	00236ET3ESS56C	989	S1	TEFC	47	1.15	2.55	85.5	14.000	208-230/460
2	1.5	3600	145TC	00236ET3ESS145TC	1,113	S1	TEFC	47	1.15	2.58	85.5	13.600	208-230/460
		1800	56HC	00218ET3ESS56C	1,001	S1	TEFC	51	1.15	2.71	86.5	14.000	208-230/460
		1800	145TC	00218ET3ESS145TC	1,219	S1	TEFC	52	1.15	2.78	86.5	13.600	208-230/460
		3600	182TC	00336ET3ESS182TC	1,564	S1	TEFC	103	1.15	3.71	86.5	16.000	208-230/460
3	2.2	1800	182TC	00318ET3ESS182TC	1,453	S1	TEFC	113	1.15	3.65	89.5	16.000	208-230/460
		3600	184TC	00536ET3ESS184TC	1,779	S1	TEFC	111	1.15	6.01	88.5	17.000	208-230/460
5	3.7	1800	184TC	00518ET3ESS184TC	1,607	S1	TEFC	120	1.15	6.08	89.5	17.000	208-230/460
		3600	213TC	00736ET3ESS213TC	2,208	S1	TEFC	156	1.15	8.90	89.7	22.000	208-230/460
7.5	5.5	1800	213TC	00718ET3ESS213TC	2,201	S1	TEFC	142	1.15	9.01	91.7	22.000	208-230/460
		3600	215TC	01036ET3ESS215TC	2,713	S1	TEFC	176	1.15	11.8	90.2	22.000	208-230/460
10	7.5	1800	215TC	01018ET3ESS215TC	2,452	S1	TEFC	172	1.15	12.0	91.7	22.000	208-230/460

C-Face/Footless

HP	kW	RPM	Frame Size	Catalog Number	List Price	Mult. Symbol	Enclosure	Approx. Shipping Weight (lbs)	Service Factor	FL Amps @ 460V	FL. Eff (%)	"C" Dimension (in)	Voltage (V)
0.33	0.25	1800	56C	.3318EP3ESS56CFL	550	S1	TENV	28	1.15	0.53	79.8	11.250	208-230/460
0.5	0.37	3600	56C	.5036EP3ESS56CFL	569	S1	TENV	29	1.15	0.65	78.3	11.250	208-230/460
		1800	56C	.5018EP3ESS56CFL	575	S1	TENV	32	1.15	0.73	81.2	11.250	208-230/460
		1200	56C	.5012EP3ESS56CFL	682	S1	TENV	33	1.15	0.86	79.1	11.670	208-230/460
		3600	56C	.7536EP3ESS56CFL	590	S1	TENV	29	1.15	1.02	81.9	11.250	208-230/460
0.75	0.55	1800	56C	.7518EP3ESS56CFL	616	S1	TENV	33	1.15	1.06	81.3	11.250	208-230/460
		1200	56C	.7512EP3ESS56CFL	723	S1	TENV	40	1.15	1.22	82.9	11.670	208-230/460
		3600	56HC	00136ET3ESS56CFL	701	S1	TEFC	37	1.15	1.45	77.0	14.000	208-230/460
1	0.75	1800	56HC	00118ET3ESS56CFL	723	S1	TEFC	37	1.15	1.46	85.5	14.000	208-230/460
		1800	143TC	00118ET3ESS143TCFL	857	S1	TEFC	38	1.15	1.46	85.5	13.400	208-230/460

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HP	kW	RPM	Frame Size	Catalog Number	List Price	Mult. Symbol	Enclosure	Approx. Shipping Weight (lbs)	Service Factor	FL Amps @ 460V	FL. Eff (%)	"C" Dimension (in)	Voltage (V)
1.5	1.1	3600	56HC	00156ET3ESS56CFL	825	S1	TEFC	40	1.15	1.99	84.0	14.000	208-230/460
		3600	143TC	00156ET3ESS143TCFL	858	S1	TEFC	41	1.15	1.99	84.0	13.400	208-230/460
		1800	56HC	00158ET3ESS56CFL	846	S1	TEFC	43	1.15	2.06	86.5	14.000	208-230/460
		1800	145TC	00158ET3ESS145TCFL	872	S1	TEFC	43	1.15	2.06	86.5	14.200	208-230/460
2	1.5	3600	56HC	00236ET3ESS56CFL	989	S1	TEFC	45	1.15	2.55	85.5	14.000	208-230/460
		3600	145TC	00236ET3ESS145TCFL	1,113	S1	TEFC	45	1.15	2.55	85.5	14.200	208-230/460
		1800	56HC	00218ET3ESS56CFL	1,001	S1	TEFC	49	1.15	2.71	86.5	14.000	208-230/460
		1800	145TC	00218ET3ESS145TCFL	1,219	S1	TEFC	52	1.15	2.78	86.5	13.600	208-230/460
3	2.2	3600	182TC	00336ET3ESS182TCFL	1,564	S1	TEFC	98	1.15	3.73	86.5	17.300	208-230/460
		3600	145TC	00336ET3ESS145TCFL	1,564	S1	TEFC	59	1.15	3.78	86.5	16.200	208-230/460
		1800	182TC	00318ET3ESS182TCFL	1,453	S1	TEFC	111	1.15	3.92	89.5	17.100	208-230/460
5	3.7	3600	184TC	00536ET3ESS184TCFL	1,779	S1	TEFC	109	1.15	6.01	88.5	17.900	208-230/460
		1800	184TC	00518ET3ESS184TCFL	1,607	S1	TEFC	118	1.15	6.54	89.5	17.900	208-230/460
7.5	5.5	3600	213TC	00736ET3ESS213TCFL	2,208	S1	TEFC	155	1.15	8.82	89.5	20.500	208-230/460
		1800	213TC	00718ET3ESS213TCFL	2,201	S1	TEFC	170	1.15	9.12	91.7	20.500	208-230/460
10	7.5	3600	215TC	01036ET3ESS215TCFL	2,713	S1	TEFC	174	1.15	11.5	90.2	22.000	208-230/460
		1800	215TC	01018ET3ESS215TCFL	2,452	S1	TEFC	205	1.15	12.2	91.7	22.000	208-230/460

HydroWash™



Reliable Performance in ANY Environment

- Food processing & manufacturing
- Pharmaceutical & medical device manufacturing
- and MANY MORE!

Foot Mount

HP	RPM	Frame	Model #	Cat. #	List Price	Multi.	Enclosure	HZ	SF	FL Amps	C Dim	kVA Code	Appr. Ship. Wt (lbs)
0.5	1725	56	1321007145	53183	516	S1	TENV	60	1.15	0.80	10.230	L	27
0.75	1725	56C	1321007146	53185	566	S1	TENV	60	1.15	1.11	10.990	L	33
1	1725	56	1321007143	53187	605	S1	TENV	60	1.15	1.36	11.610	L	40
	1725	145TC	1321007148	53189	642	S1	TENV	60	1.15	1.36	11.720	L	40
1.5	1725	56C	1311017163	53199	668	S1	TEFC	60	1.15	1.97	13.460	J	42
	1725	145TC	1311017155	53191	683	S1	TEFC	60	1.15	1.97	13.570	J	42
2	1725	56C	1311017161	53100	728	S1	TEFC	60	1.15	2.56	14.550	J	49
	1725	145TC	1311017154	53193	728	S1	TEFC	60	1.15	2.56	14.550	J	49

Footless

HP	RPM	Frame	Model #	Cat. #	List Price	Multi.	Enclosure	HZ	SF	FL Amps	C Dim	kVA Code	Appr. Ship. Wt (lbs)
0.5	1725	56	1321007144	53184	510	S1	TENV	60	1.15	0.80	10.230	L	27
0.75	1725	56C	1321007147	53186	553	S1	TENV	60	1.15	1.11	10.990	L	33
1	1725	56C	1321007142	53188	599	S1	TENV	60	1.15	1.36	11.980	L	40
	1725	145TC	1321007149	53190	628	S1	TENV	60	1.15	1.36	11.720	L	40
1.5	1725	56C	1311017164	53198	683	S1	TEFC	60	1.15	1.97	13.460	J	42
	1725	145TC	1311017156	53192	668	S1	TEFC	60	1.15	1.97	13.570	J	42
2	1725	56C	1311017162	53101	672	S1	TEFC	60	1.15	2.56	14.550	J	49
	1725	145TC	1311017157	53194	672	S1	TEFC	60	1.15	2.56	14.550	J	49



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