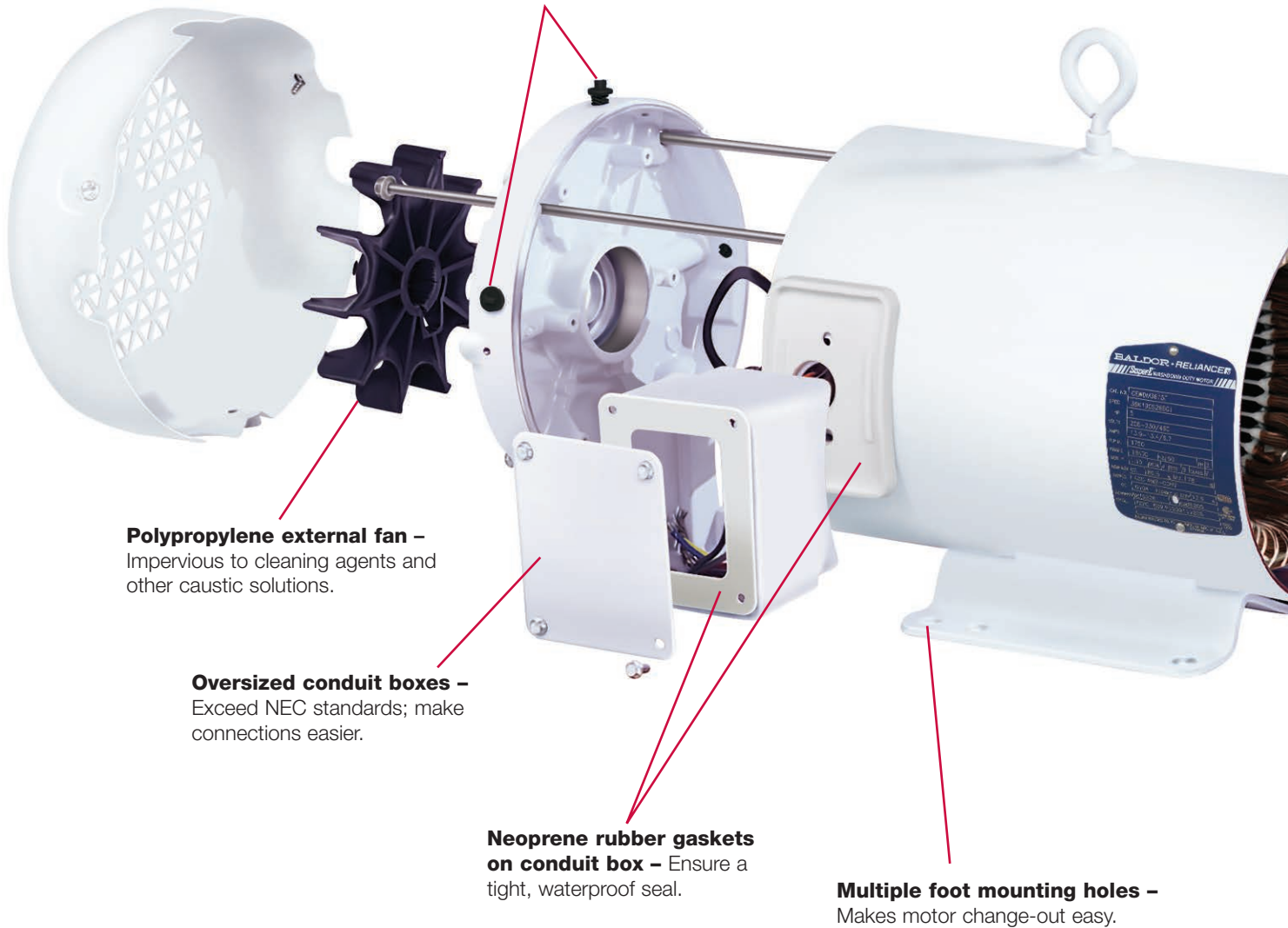


Baldor Washdown Duty Motors: Performance and reliability, inside and out

Maintenance-friendly drain design –

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



- (1): A Labyrinth seal on shaft extensions is standard on All Stainless, Paint-Free and Super White Washdown Duty motors. Non-contacting seal protects the motor bearings by rotating and expelling contaminants.
- (2): Currently available on custom Washdown, Paint-Free and 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.

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.

Precision die cast aluminum

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

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.**Exclusive inverter spike resistant insulation system –**
Up to 100 times more resistant to voltage spikes; provides an added thermal safety margin.**Mobil 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.

Washdown Duty Motors

For multi-shift food and pharmaceutical processing applications, Baldor Washdown Duty motors deliver both reliability and energy cost savings. The standard in the food and pharmaceutical processing industries for more than 25 years, Baldor Washdown Duty motors continually raise the bar with more features to improved reliability. The improved exterior paint process makes the finish coat five times more resistant to corrosion and chipping. Mobil Polyrex® EM grease provides improved lubrication life, provides greater shear stability and superior resistance to washout, rust and corrosion. Distinctive black drain plugs make them easy to recognize and are easily removable.



TEFC - Totally Enclosed Fan Cooled,

TENV - Totally Enclosed Non-Ventilated - 230/460 Volts, Three Phase, 1/2 - 20 Hp

Hp	kW	RPM	Frame	Encl.	Catalog Number	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			
Foot Mounted																			
0.50	0.37	1740	56C	TENV	WDM3538	0.8	6.3	1.49	73.1	78.5	80	45	59	69	6205	6203	E1	11.06	CD0005
0.75	0.56	1750	56C	TENV	WDM3542	1.4	10.5	2.26	71.7	76.6	78.6	44	56	66	6205	6203	E1	11.06	CD0005
1	0.75	1745	143T	TENV	EWDM3546T	1.5	13.5	3.02	83.4	85.4	85.5	53	67	76	6205	6203	E	12.12	CD0005
		1740	143T	TENV	WDM3546T	1.5	13.2	2.99	79.7	82.6	83.2	51	65	74	6205	6203	E	11.12	CD0005
1.5	1.1	1755	145T	TENV	EWDM3554T	2.1	20	4.45	87	88.3	88.8	54	68	76	6205	6203	E	13.00	CD0005
		1755	145T	TENV	WDM3554T	2.6	19.3	4.51	83.1	85.4	85.8	52	65	74	6205	6203	E	12.12	CD0005
2	1.5	1755	145T	TEFC	EWDM3558T	2.9	24.3	5.95	84.2	86.4	87.3	51	64	73	6205	6203	E	14.17	CD0005
3	2.2	1760	182T	TEFC	EWDM3611T	4.2	32	8.88	87.8	89.5	89.6	54	68	75	6206	6205	E	16.54	CD0005
5	3.7	1750	184T	TEFC	EWDM3615T	6.7	49.1	14.9	89.7	90.3	89.8	60	72	78	6206	6205	E	18.04	CD0005
7.5	5.6	1770	213T	TEFC	EWDM3710T	9.4	70.1	22.4	92.2	92.7	92.2	63	75	81	6307	6206	E1	19.04	CD0005
10	7.5	1770	215T	TEFC	EWDM3714T	12	103	29.5	92.1	92.4	91.8	66	79	85	6307	6206	F	20.54	CD0005
C-Face Foot Mounted																			
0.5	0.37	3450	56C	TENV	CWDM3537	0.9	6	0.75	59.6	66.9	70.6	62	72	79	6205	6203	E	11.07	CD0005
		1740	56C	TENV	CWDM3538	0.8	6.3	1.49	73.1	78.5	80	45	59	69	6205	6203	E1	11.06	CD0005
		1165	56C	TENV	CWDM3539	1	5.7	2.19	72.5	77.4	78.8	39	51	60	6205	6203	E	12.06	CD0005
0.75	0.56	3450	56C	TENV	CWDM3541	1.1	11.7	1.1	74.4	78.7	80.4	63	73	80	6205	6203	E1	11.07	CD0005
		1750	56C	TENV	CWDM3542	1.4	10.5	2.26	71.7	76.6	78.6	44	56	66	6205	6203	E1	11.06	CD0005
		1160	56C	TENV	CWDM3543	1.4	8.6	3.35	74.3	78.8	80.2	43	54	62	6205	6203	E	12.94	CD0005
1	0.75	3450	56C	TEFC	CEWDM3545	1.4	9	1.5	67.8	73.5	75.1	74	81	85	6205	6203	F	12.24	CD0005
		3450	56C	TENV	CWDM3545	1.3	12.4	1.5	80.5	83.5	83.7	69	81	86	6205	6203	E1	11.07	CD0005
		1745	56C	TENV	CEWDM3546	1.5	13.5	3	83.4	85.4	85.5	53	67	76	6205	6203	E	12.06	CD0005
		1740	56C	TENV	CWDM3546	1.5	13.2	2.99	79.7	82.6	83.2	51	65	74	6205	6203	E	11.06	CD0005
		1745	143TC	TENV	CEWDM3546T	1.5	13.5	3.02	83.4	85.4	85.5	53	67	76	6205	6203	E	12.12	CD0005
		1740	143TC	TENV	CWDM3546T	1.5	13.2	2.99	79.7	82.6	83.2	51	65	74	6205	6203	E	12.12	CD0005
		1155	56C	TEFC	CEWDM3556	1.8	10.8	4.51	79.4	82.3	82.7	43	55	64	6205	6203	E	13.24	CD0005
		1155	56C	TEFC	CWDM3556	1.9	10.3	4.52	73.9	77.8	78.7	41	54	63	6205	6203	E	12.24	CD0005
		3500	56C	TENV	CEWDM3550	2	23.5	2.3	82.5	85.2	86.1	71	81	87	6205	6203	E	12.06	CD0005
1.5	1.1	3450	56C	TENV	CWDM3550	2.1	16	2.3	79.8	82.9	83.6	78	87	90	6205	6203	E	12.94	CD0005
		1735	56C	TEFC	CWDM3554	2.3	17.5	4.5	77.3	80.9	81.6	51	65	74	6205	6203	E	12.24	CD0005
		1755	145TC	TENV	CEWDM3554T	2.1	20	4.45	87	88.3	88.8	54	68	76	6205	6203	E	13.00	CD0005
		1755	145TC	TENV	CWDM3554T	2.6	19.3	4.51	83.1	85.4	85.8	52	65	74	6205	6203	E	12.12	CD0005
		1140	56C	TEFC	CWDM3557	2.5	15.4	6.91	79.3	81.3	80.6	49	63	72	6205	6203	E	14.12	CD0005
2	1.5	3490	56HCY	TEFC	CEWDM3555	2.5	25.9	2.98	83.5	85.9	86.4	75	84	88	6205	6203	E	13.24	CD0005
		3450	56HCY	TEFC	CWDM3555	2.8	51.8	3.01	79.1	83.1	84.7	62	74	81	6203	6203	E	13.59	CD0005
		3490	145TC	TEFC	CEWDM3555T	2.5	25.9	2.98	83.5	85.9	86.4	75	84	88	6205	6203	E	13.28	CD0005
		1735	56C	TEFC	CWDM3558	3	24.8	6.05	79.2	82.2	82.7	53	67	76	6205	6203	E	13.24	CD0005
		1755	145TC	TEFC	CEWDM3558T	2.9	24.3	5.95	84.2	86.4	87.3	51	64	73	6205	6203	E	14.16	CD0005
		1750	145TC	TENV	CEWDM3558T	2.7	25	5.95	88.5	89.5	89.1	60	72	80	6205	6203	E	14.37	CD0005
		1175	184TC	TEFC	CEWDM3614T	3.5	27.5	8.91	85.3	88	88.9	40	52	60	6206	6205	E	18.04	CD0005
3	2.2	3450	145TC	TEFC	CEWDM3559T	3.5	39.2	4.59	87.7	88.3	87.6	81	88	92	6205	6203	F	15.55	CD0005
		3450	182TC	TEFC	CEWDM3610T	3.6	33.1	4.61	87.9	88.2	87.2	81	88	92	6206	6203	E	15.18	CD0005
		1760	182TC	TEFC	CEWDM3611T	4.2	32	8.88	87.8	89.5	89.6	54	68	75	6206	6205	E	16.54	CD0005
		1160	213TC	TEFC	CEWDM3704T	4.6	34.4	13.4	87.7	89.4	89.5	49	61	68	6307	6206	E	19.78	CD0005

NOTE: Volt Code: E = 208-230/460V, 60Hz; E1 = 230/460V, 60Hz, usable at 208V; F = 230/460V, 60 Hz.

See page 44 for Connection Diagrams. See page 30 for dimensions.

Efficiencies shown are nominal. Data subject to change without notice. Contact Baldor for certified data.