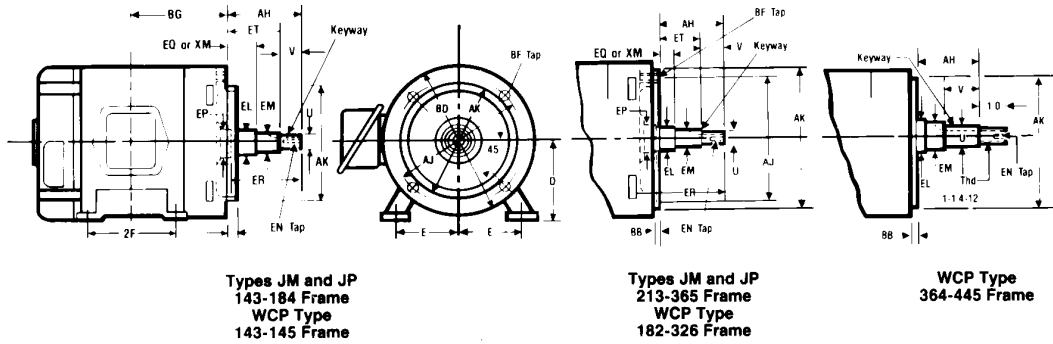


Definite Purpose Motor Dimensions

Close-Coupled Pump Motors

- Type JM and Type JP NEMA Standard
- West Coast Pump Type Century Standard



Tolerances — Indicator Reading in Inches

Type	Mounting	Face Runout	Rabbit-Eccentricity	Shaft Runout
Types JM and JP		Frames 143-256: .004 Frames 284-365: .006	Frames 143-256: .004 Frames 284-365: .006	Frames 143-256: .002 Frames 284-365: .003
West Coast Pump		Frames 143-286: .004 Frames 324-445: .006	Frames 143-286: .004 Frames 324-445: .007	Frames 143-286: .002 Frames 324-445: .003

Frame (1)	Keyway			D (2)	E	2F	U (4)	V	AH (5)	AJ (6)	AK (7)	BB	BF Tap		BG (3)	EL (4)	EM (4)	EN Tap		EP	EQ or XM(5)	ER	ET (2)		
	W	D	L										Thrd.	No.				Dpth.	Thrd.					Dpth.	Min.
143JM	3/16	3/32	1.63	3.50	2.75	4.00	8745	—	4.250	5.875	4.500	.14	6.41	3/8-16	4	.56	4.88	1.156	1.000	3/8-16	.75	1.16	.625	4.250	2.875
143JP	3/16	3/32	1.63	3.50	2.75	4.00	8745	—	7.312	5.875	4.500	.14	6.41	3/8-16	4	.56	4.88	1.156	1.000	3/8-16	.75	1.16	1.563	7.313	5.937
143TCZ	3/16	3/32	1.63	3.50	2.75	4.00	8745	1.38	7.312	5.875	4.500	.14	6.41	3/8-16	4	.56	4.88	1.250	1.000	3/8-16	1.00	—	1.563	—	—
145JM	3/16	3/32	1.63	3.50	2.75	5.00	8745	—	4.250	5.875	4.500	.14	6.41	3/8-16	4	.56	5.38	1.156	1.000	3/8-16	.75	1.16	.625	4.250	2.875
145JP	3/16	3/32	1.63	3.50	2.75	5.00	8745	—	7.312	5.875	4.500	.14	6.41	3/8-16	4	.56	4.88	1.156	1.000	3/8-16	.75	1.16	1.563	7.313	5.937
145TCZ	3/16	3/32	1.63	3.50	2.75	5.00	8745	1.38	7.312	5.875	4.500	.14	6.41	3/8-16	4	.56	4.88	1.250	1.000	3/8-16	1.00	—	1.563	—	—
182JM	3/16	3/32	1.63	4.50	3.75	4.50	8745	—	4.250	5.875	4.500	.14	6.41	3/8-16	4	.56	5.88	1.250	1.000	3/8-16	.75	1.25	.625	4.250	2.875
182JP	3/16	3/32	1.63	4.50	3.75	4.50	8745	—	7.312	5.875	4.500	.14	6.41	3/8-16	4	.56	5.88	1.250	1.000	3/8-16	.75	1.25	1.563	7.313	5.937
182TCZ	3/16	3/32	1.63	4.50	3.75	4.50	8745	1.38	7.312	7.250	8.500	.27	8.96	1/2-13	4	.75	5.88	1.250	1.000	3/8-16	1.00	—	1.563	—	—
184JM	3/16	3/32	1.63	4.50	3.75	5.50	8745	—	4.250	5.875	4.500	.14	6.41	3/8-16	4	.56	6.38	1.250	1.000	3/8-16	.75	1.25	.625	4.250	2.875
184JP	3/16	3/32	1.63	4.50	3.75	5.50	8745	—	7.312	5.875	4.500	.14	6.41	3/8-16	4	.56	6.38	1.250	1.000	3/8-16	.75	1.25	1.563	7.313	5.937
184TCZ	3/16	3/32	1.63	4.50	3.75	5.50	8745	1.38	7.312	7.250	8.500	.27	8.96	1/2-13	4	.75	6.38	1.250	1.000	3/8-16	1.00	—	1.563	—	—
213JM	3/16	3/32	1.63	5.25	4.25	5.50	8745	—	4.250	7.250	8.500	.27	8.75	1/2-13	4	.75	7.25	1.250	1.000	3/8-16	.75	1.75	.625	4.250	2.875
213JP	3/16	3/32	1.63	5.25	4.25	5.50	12495	—	8.125	7.250	8.500	.27	8.75	1/2-13	4	.75	7.25	1.750	1.375	1/2-13	1.00	1.75	2.375	8.125	5.875
213TCZ	3/16	3/32	1.63	5.25	4.25	5.50	8745	1.38	7.312	7.250	8.500	.27	8.75	1/2-13	4	.75	7.25	1.250	1.000	3/8-16	1.00	—	1.563	—	—
215JM	3/16	3/32	1.63	5.25	4.25	7.00	8745	—	4.250	7.250	8.500	.27	8.75	1/2-13	4	.75	8.00	1.250	1.000	3/8-16	.75	1.75	.625	4.250	2.875
215JP	3/16	3/32	1.63	5.25	4.25	7.00	12495	—	8.125	7.250	8.500	.27	8.75	1/2-13	4	.75	8.00	1.750	1.375	1/2-13	1.00	1.75	2.375	8.125	5.875
215TCZ	3/16	3/32	1.63	5.25	4.25	7.00	8745	1.38	7.312	7.250	8.500	.27	8.75	1/2-13	4	.75	8.00	1.250	1.000	3/8-16	1.00	—	1.563	—	—
254JM	1/4	1/8	2.50	6.25	5.00	8.26	12495	—	5.250	7.250	8.500	.27	9.25	1/2-13	4	.75	9.13	1.750	1.375	1/2-13	1.00	1.75	.625	5.250	3.000
254JP	1/4	1/8	2.50	6.25	5.00	8.26	12495	—	8.125	7.250	8.500	.27	9.25	1/2-13	4	.75	9.13	1.750	1.375	1/2-13	1.00	1.75	2.375	8.125	5.875
254TCZ	1/4	1/8	2.63	6.25	5.00	8.26	12495	2.25	8.125	7.250	8.500	.27	9.25	1/2-13	4	.75	9.13	1.750	1.375	1/2-13	1.25	—	2.375	—	—
256JM	1/4	1/8	2.50	6.25	5.00	10.00	12495	—	5.250	7.250	8.500	.27	9.25	1/2-13	4	.75	10.00	1.750	1.375	1/2-13	1.00	1.75	.625	5.250	3.000
256JP	1/4	1/8	2.50	6.25	5.00	10.00	12495	—	8.125	7.250	8.500	.27	9.25	1/2-13	4	.75	10.00	1.750	1.375	1/2-13	1.00	1.75	2.375	8.125	5.875
256TCZ	1/4	1/8	2.63	6.25	5.00	10.00	12495	2.25	8.125	7.250	8.500	.27	9.25	1/2-13	4	.75	10.00	1.750	1.375	1/2-13	1.25	—	2.375	—	—
284JM	1/4	1/8	2.50	7.00	5.50	9.50	12495	—	5.250	11.000	12.500	.27	13.88	3/8-11	4	.94	9.75	1.750	1.375	1/2-13	1.00	2.13	.625	5.250	3.000
284JP	1/4	1/8	2.50	7.00	5.50	9.50	12495	—	8.125	11.000	12.500	.27	13.88	3/8-11	4	.94	9.75	1.750	1.375	1/2-13	1.00	2.13	2.375	8.125	5.875
284TCZ	1/4	1/8	2.63	7.00	5.50	9.50	12495	2.25	8.125	9.000	10.500	.27	11.25	1/2-13	4	.75	9.75	1.750	1.375	1/2-13	1.25	—	2.375	—	—
286JM	1/4	1/8	2.50	7.00	5.50	11.00	12495	—	5.250	11.000	12.500	.27	13.88	3/8-11	4	.94	10.50	1.750	1.375	1/2-13	1.00	2.13	.625	5.250	3.000
286JP	1/4	1/8	2.50	7.00	5.50	11.00	12495	—	8.125	11.000	12.500	.27	13.88	3/8-11	4	.94	10.50	1.750	1.375	1/2-13	1.00	2.13	2.375	8.125	5.875
286TCZ	1/4	1/8	2.63	7.00	5.50	11.00	12495	2.25	8.125	9.000	10.500	.27	11.25	1/2-13	4	.75	10.50	1.750	1.375	1/2-13	1.25	—	2.375	—	—
324JM	1/4	1/8	2.50	8.00	6.25	10.50	12495	—	5.250	11.000	12.500	.27	12.75	3/8-11	4	.94	10.75	1.750	1.375	1/2-13	1.00	2.13	.625	5.250	3.000
324JP	1/4	1/8	2.50	8.00	6.25	10.50	12495	—	8.125	11.000	12.500	.27	12.75	3/8-11	4	.94	10.75	1.750	1.375	1/2-13	1.00	2.13	2.375	8.125	5.875
324TCZ	1/4	1/8	2.63	8.00	6.25	10.50	12495	2.25	8.125	11.000	12.500	.27	14.00	3/8-11	4	.94	10.75	1.750	1.375	1/2-13	1.25	—	2.375	—	—
326JM	1/4	1/8	2.50	8.00	6.25	12.00	12495	—	5.250	11.000	12.500	.27	12.75	3/8-11	4	.94	11.50	1.750	1.375	1/2-13	1.00	2.13	.625	5.250	3.000
326JP	1/4	1/8	2.50	8.00	6.25	12.00	12495	—	8.125	11.000	12.500	.27	12.75	3/8-11	4	.94	11.50	1.750	1.375	1/2-13	1.00	2.13	2.375	8.125	5.875
326TCZ	1/4	1/8	2.63	8.00	6.25	12.00	12495	2.25	8.125	11.000	12.500	.27	14.00	3/8-11	4	.94	11.50	1.750	1.375	1/2-13	1.25	—	2.375	—	—

- Notes:**
- (1) Frame suffix letters JM and JP designate NEMA standard Types JM and JP motors. Frame suffix letters TCZ or TY designate Century Standard West Coast Pump motors.
 - (2) Dimension "D" may vary +.000" to -.031" when 8.00" or less; when over 8.00", may vary from +.000" to -.062".
 - (3) Note the different reference point for dimensions "BG" and "XM": the reference point is the surface which has the mounting holes "BF".
 - (4) Shaft diameters "EM", "EL" (on West Coast Pump Motors) and "U" are held to tolerances of +.0000" and -.0005". Diameters "EL" on Types JM and JP are held to tolerances of +.000" and -.002".
 - (5) Shaft extension "AH" is made to limits of ± 0.031 " in Types JM and JP. Dimensions to shaft shoulders, "EQ" and "ET" are held to limits of ± 0.015 " in Frames 143T-256T and limits of ± 0.020 " in Frames 284T-445T. Dimensions and ET are measured with shaft pulled to maximum end-play away from motor. Dimension "XM", West Coast Pump, measured without end play.
 - (6) Bolt circle diameter-centerline "AJ" is true within ± 0.15 " for Frames 143T-025" for Frames 284T-365T, and ± 0.31 " for Frames 404T-445T.
 - (7) Rabbet diameter "AK" is held to limits of +.000" and -.003" when AK is 8.500" or less; it is held to limits of +.000" and -.005" when AK is more than 8.500".

For Reference Only Unless Approved for Construction