

ENCLOSURE: IP54
MOUNTING: FOOT, 1M B3, 1M V5, 1M V6
FRAMES 160 THRU 280

Technical drawing of a motor assembly, showing side and shaft detail views with dimensions.

Side View Dimensions:

- L : Total length
- $L36$: Length of the main body
- $L03$: Length of the top flange
- E : Distance from the top flange to the start of the main body
- R : Radius of the top flange
- $L31$: Distance from the top flange to the start of the main body (inner)
- C : Distance from the top flange to the start of the main body (outer)
- $L15$: Distance from the top flange to the start of the main body (inner)
- $L10$: Distance from the top flange to the start of the main body (outer)
- $L12$: Distance from the top flange to the start of the main body (inner)
- BB : Distance from the top flange to the start of the main body (outer)
- BR : Distance from the top flange to the start of the main body (inner)
- $D35$: Diameter of the shaft

Shaft Detail A-A Dimensions:

- F : Distance from the shaft center to the start of the main body
- D : Diameter of the shaft
- BD : Distance from the shaft center to the start of the main body
- BA : Distance from the shaft center to the start of the main body

Top View Dimensions:

- HD : Total diameter
- HC : Diameter of the main body
- H : Distance from the center to the start of the main body
- RA : Distance from the center to the start of the main body
- RD : Distance from the center to the start of the main body
- $B31$: Distance from the center to the start of the main body
- $B36$: Distance from the center to the start of the main body
- $R31$: Distance from the center to the start of the main body
- $B33$: Distance from the center to the start of the main body
- $D30$: Diameter of the shaft
- K : Key
- $D1R$: Distance from the center to the start of the main body

FRAME	A	AA	AB	AC	AD	BA	B31	B33	C	(K2)	HA	HC	HD	K	R31	D30	L31	L32	D35	L36	B36	
160	254	64	318	337	298	305	226	152	108	160	20	337	399	14.5	76	(2)	M40X15	203	75	M20X15	352.3	236.5
180	279	64	349	378	364	330	270	201	121	180	21	375	436	14.5	92	(2)	M40X15	229	75	M20X15	435.6	266.7
200	316	70	394	432	455	414	321	242	133	200	19	470	546	18.5	105	(2)	M50X15	247	85	M20X15	539.5	296.1
225	356	70	432	493	458	99	353	242	149	225	19	470	545	18.5	105	(2)	M50X15	282	90	M20X15	553.2	355.7
250	406	83	483	572	488	117	385	242	168	250	25	541	616	24	105	(2)	M63X15	317	105	M20X15	615.2	366.8
280	457	83	533	641	595	133	462	324	190	280	29	594	677	24	178	(2)	M63X15	365	105	M20X15	701.3	387.4

DIMENSIONS ARE IN MILLIMETERS, SEE SHEET 2 FOR DIMENSIONS IN INCHES

FRAME SIZE	DF NUMBER	BB	DC3)	E	F	R	GA	(5)	GD	L	L03	L10	L12	L15	WEIGHT (KGS. <5)
2 AND MORE	305	42	110	12	3	45	8	633	80	210	---	---	---	---	151
160L	2 AND MORE	305	42	110	12	3	45	8	633	80	---	---	---	---	156
180M	2 AND MORE	330	48	110	14	9	51.5	9	630	80	---	---	---	---	215
180L	2 AND MORE	330	48	110	14	9	51.5	9	630	80	---	---	---	---	222
200M	2 AND MORE	375	55	110	16	8	59	10	730	80	---	---	---	---	267
200L	2 AND MORE	375	55	110	16	8	59	10	730	80	---	---	---	---	285
225S	2	381	55	110	16	8	59	10	810	80	---	---	---	---	392
225S	4 AND MORE	381	55	110	16	8	59	10	840	100	---	---	---	---	392
225M	2	381	55	110	16	8	59	10	810	80	---	---	---	---	403
225M	4 AND MORE	381	55	110	16	8	59	10	840	100	---	---	---	---	403
225M	2	381	55	110	16	8	59	10	810	80	---	---	---	---	403
225M	4 AND MORE	381	55	110	16	8	59	10	840	100	---	---	---	---	403
250S	2	406	60	140	18	6	64	11	930	100	---	---	---	---	553
250S	4 AND MORE	406	60	140	18	6	64	11	940	100	---	---	---	---	553
250M	2	406	60	140	18	6	64	11	930	100	---	---	---	---	571
250M	4 AND MORE	406	60	140	18	6	64	11	930	100	---	---	---	---	571
280S	2	483	65	140	18	7	69	11	1060	100	---	---	---	---	757
280S	4 AND MORE	483	65	140	18	7	69	11	1060	100	---	---	---	---	757
280M	2	483	65	140	18	7	69	11	1060	100	---	---	---	---	843
280M	4 AND MORE	483	65	140	18	7	69	11	1060	100	---	---	---	---	843
280M	2	483	65	140	18	7	69	11	1060	100	---	---	---	---	843
280M	4 AND MORE	483	65	140	18	7	69	11	1060	100	---	---	---	---	843

- (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.
 CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN REQUESTED. IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
 MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STD. SHAFT EXTENSION IS .05 T.I.R. UP TO AND INCLUDING 50 DIA. AND .06 T.I.R. OVER 50 DIA. TO 80 DIA.
- (2) "H" VARIES — [160M - 250M +.0, -.15
 280S - 280M +.0, -.10
 TO 50 DIA. &6
- (3) TOLERANCE OF "D" — [50 AND LARGER &6
 TO 50 DIA. &6
- (4) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL MOUNTING.
- (5) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.
- (6) "GM" VARIES +.02, -.30.
- (7) AUXILIARY CONDUIT BOX SUPPLIED ONLY WHEN SPECIFIED.
- NAME — TYPE — CERTIFIED FOR —
 ORDER — ITEM — HP — RPM — PH — HZ — VOLTS
 ORDER — APPROVED BY — DATE

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: ADD AUX CBOX		
REV. LTR: C	VERSION: 03	TDR: 000000779678
FILE: \RAG\00009\747	REVISED: 09:33:44 01/25/2013	BY: RAGEC
MTL: -		

BALDOR

DIM SHEET-FRAME 160-280 OPTIONAL AUX CBOX

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