

EFFECTIVE:
15-DEC-12

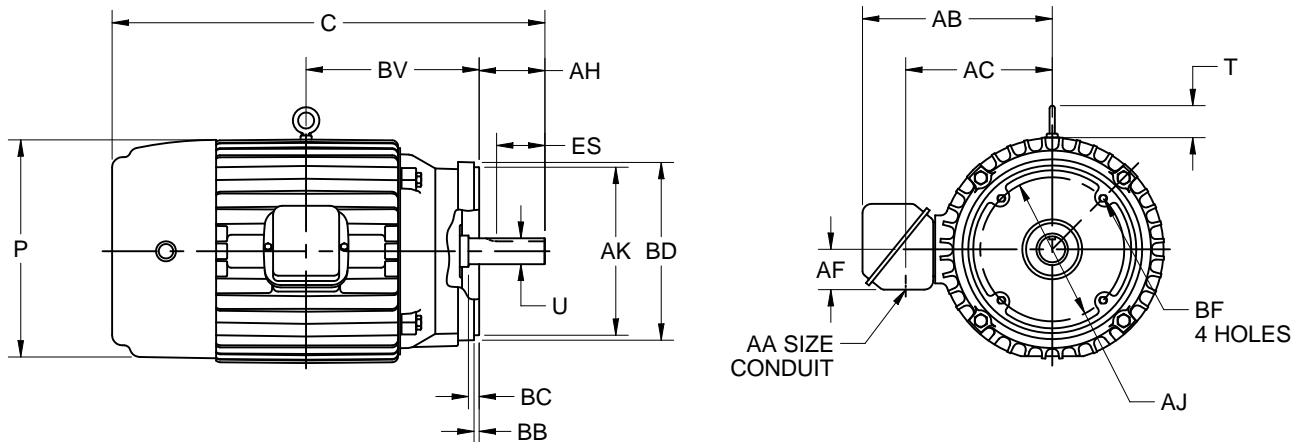
SUPERSEDES:
22-MAR-01

HORIZONTAL MOTORS WITH NEMA "C" BRACKET

FRAME: 250, 280, 320, 360UC
BASIC TYPE: JADF, JDEF

PRINT:
1022-1-43

SHEET:
1 OF 1



ALL DIMENSIONS ARE IN INCHES AND MILLIMETERS

FRAME	UNITS	C	P ³	T	U -.001	AA	AB	AC	AF	AH	AJ	AK
250UC	IN	25.44	13.31	1.75	1.375	1-1/4 NPT	11.06	8.50	3.09	3.50	7.250	8.500
	MM	646	338	44	34.92		281	216	78	89	184.15	215.90
280UC	IN	27.88	14.31	2.00	1.625	1-1/4 NPT	11.69	9.19	3.09	4.63	9.000	10.500
	MM	708	363	51	41.27		297	233	78	118	228.60	266.70
320UC	IN	31.88	16.75	2.06	1.875	1-1/2 NPT	13.94	10.75	3.81	5.38	11.000	12.500
	MM	810	425	52	47.62		354	273	97	137	279.40	317.50
360UC	IN	33.69	18.56	2.50	2.125	2-1/2 NPT	16.44	12.19	4.19	6.13	11.000	12.500
	MM	856	471	63	53.97		418	310	106	156	279.40	317.50

FRAME	UNITS	BB MIN	BC	BD MAX	BF ⁴	BV	ES	SQ KEY
250UC	IN	.25	.25	9.00	1/2-13X.75	10.00	2.81	.313
	MM	6	6	229		254	71	8
280UC	IN	.25	.25	11.25	1/2-13X.75	10.50	2.81	.375
	MM	6	6	286		267	71	9
320UC	IN	.25	.25	14.00	5/8-11X.94	11.81	4.38	.500
	MM	6	6	356		300	111	13
360UC	IN	.25	.25	12.88	5/8-11X.94	12.31	5.88	.500
	MM	6	6	327		313	149	13

TOLERANCES	8.500-10.500 AK	12.500 AK
FACE RUNOUT	.004 T.I.R.	.007 T.I.R.
PERMISSIBLE ECCENTRICITY OF MOUNTING RABBET	.004 T.I.R.	.007 T.I.R.
PERMISSIBLE SHAFT RUNOUT	.002 T.I.R.	.003 T.I.R.
TOLERANCE ON AK-DIMENSION	+.000/- .003	+.000/- .005

- ALL ROUGH CASTING DIMENSIONS MAY VARY BY .25" DUE TO CASTING AND/OR FABRICATION VARIATIONS.
- CONDUIT BOX MAY BE LOCATED ON EITHER SIDE OF MOTOR. CONDUIT OPENINGS MAY BE LOCATED IN STEPS OF 90 DEGREES REGARDLESS OF LOCATION. STANDARD AS SHOWN WITH CONDUIT OPENING DOWN.

- LARGEST MOTOR WIDTH.
- TAP SIZE AND BOLT PENETRATION ALLOWANCE.
- ALL TAPPED HOLES ARE UNIFIED NATIONAL COARSE, RIGHT HAND THREAD.

Nidec Motor Corporation
St. Louis, Missouri

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