

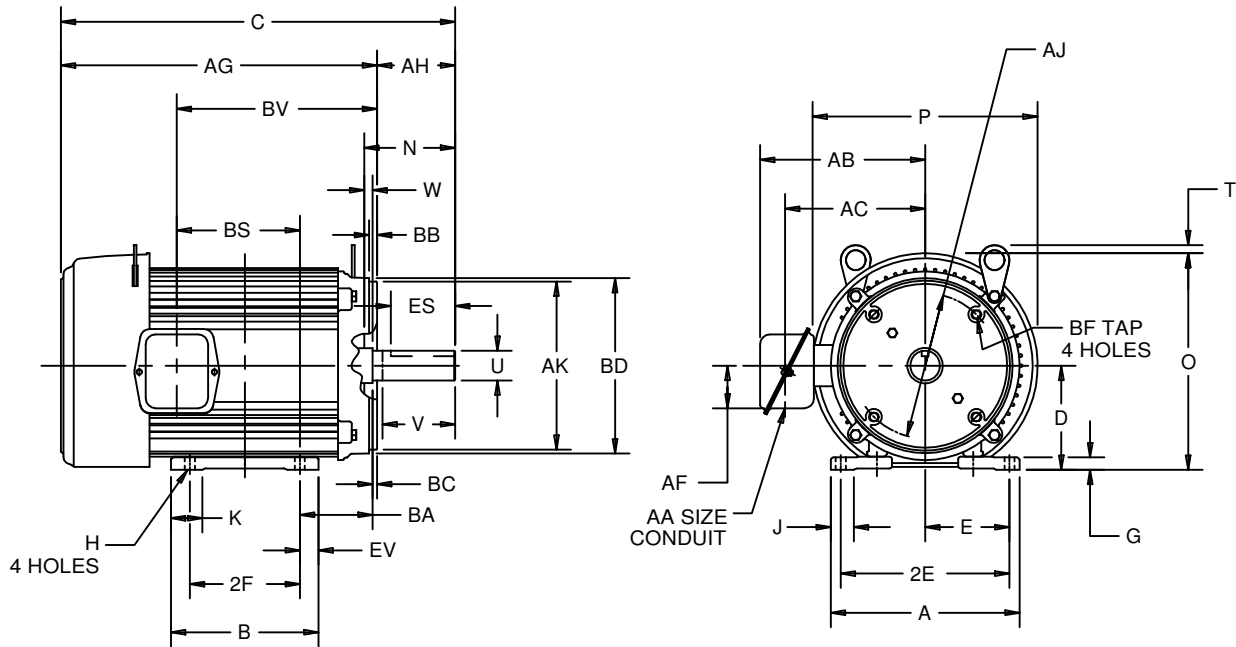
EFFECTIVE:
13-APR-11

SUPERSEDES:
09-FEB-98

HORIZONTAL MOTORS
TEFC - W/C FACE - WORLD MOTOR
FRAME: 254TC - A286TC
BASIC TYPE: FUT

PRINT:
07-2029

SHEET:
1 OF 1



ALL DIMENSIONS ARE IN INCHES AND MILLIMETERS

FRAME	UNITS	A	D -.06	E	2E ±.03	G	H +.05	J	K	N	O	P ²	T	U -.001
250	IN	11.38	6.25	5.00	10.00	.69	.53	1.38	2.00	4.13	12.94	13.38	---	1.625
	MM	289	159	127	254	18	13	35	51	105	329	340	---	41.28
A280	IN	12.88	7.00	5.50	11.00	.75	.53	1.88	2.63	4.75	13.69	13.38	---	1.875
	MM	327	178	140	279	19	13	48	67	121	348	340	---	47.63

FRAME	UNITS	V MIN.	W	AA	AB	AC	AF	AH	BA	BC	ES MIN.	EV	SQ. KEY
250	IN	3.72	.13	1.25	8.90	6.78	1.81	3.75	4.75	.25	2.91	1.22	.38
	MM	94	3	32	226	172	46	95	121	6	74	31	10
A280	IN	4.38	.13	1.50	10.81	8.25	2.13	4.38	4.75	.25	3.28	1.38	.50
	MM	111	3	38	275	210	54	111	121	6	83	35	13

FRAME	UNITS	B	C	2F ±.03	AG	AJ	AK -.003	BB MIN.	BD MAX.	BF ³	BS	BV
254TC	IN	10.69	23.93	8.25	20.18	7.25	8.500	.25	10.00	1/2-13 x .75	7.38	11.91
	MM	272	608	210	513	184	215.90	6	254		187	303
256TC	IN	12.44	25.68	10.00	21.94	7.25	8.500	.25	10.00	1/2-13 x .75	9.13	13.65
	MM	316	652	254	557	184	215.90	6	254		232	347
A284TC	IN	12.25	28.25	9.50	23.88	9.00	10.500	.25	11.25	1/2-13 x .75	10.63	10.72
	MM	311	718	241	607	229	267	6	286		270	272
A286TC	IN	13.75	28.25	11.00	23.88	9.00	10.500	.25	11.25	1/2-13 x .75	10.63	10.72
	MM	349	718	279	607	229	267	6	286		270	272

TOLERANCES	8.50 AK	10.50 AK
FACE RUNOUT	.004 T.I.R.	.004 T.I.R.
PERMISSIBLE ECCENTRICITY OF MOUNTING RABBET	.004 T.I.R.	.004 T.I.R.
PERMISSIBLE SHAFT RUNOUT	.002 T.I.R.	.003 T.I.R.

- 1: ALL ROUGH CASTING DIMENSIONS MAY VARY BY .25" DUE TO CASTING AND/OR FABRICATION VARIATIONS.
- 2: LARGEST MOTOR WIDTH.
- 3: TAP SIZE AND BOLT PENETRATION ALLOWANCE.

- 4: CONDUIT BOX MAY BE LOCATED ON EITHER SIDE. CONDUIT OPENINGS MAY BE LOCATED IN STEPS OF 90 DEGREES REGARDLESS OF LOCATION. STANDARD AS SHOWN WITH CONDUIT OPENING DOWN.

07-2029/A

Nidec Motor Corporation
St. Louis, Missouri

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ISSUED BY
V. PAWAR
APPROVED BY
R. KING

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