

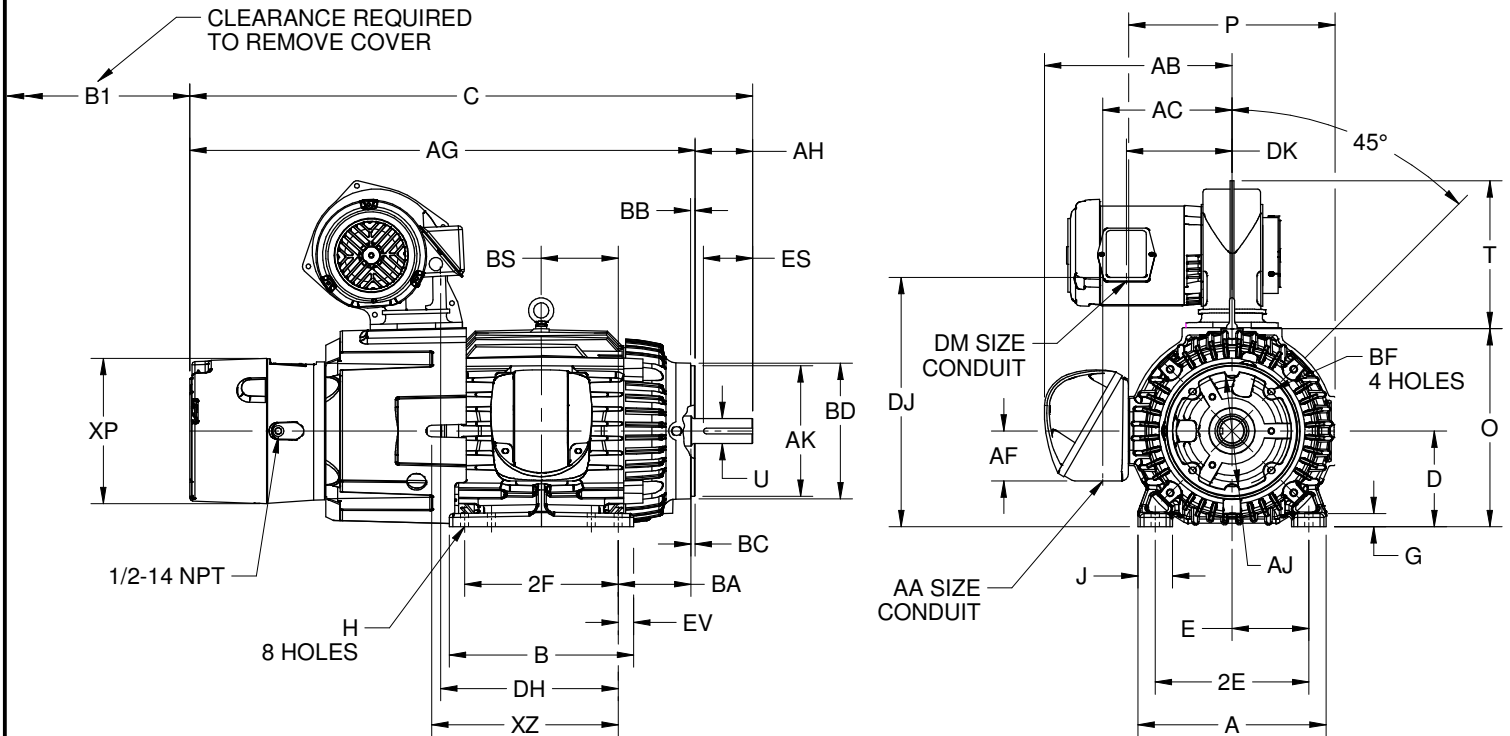
EFFECTIVE:  
**02-NOV-16**

**DIMENSION PRINT**  
TEBC (RADIAL) W/ BRAKE  
FRAME: 250TC  
BASIC TYPE: TCB, TCBI

PRINT:  
**07-3266**

SUPERSEDES:  
**NEW**

SHEET:  
**1 OF 1**



ALL DIMENSIONS ARE IN INCHES AND MILLIMETERS

UNITS	A	B	C	D -.06	E	2E ±.03	G	H +.05	J	O	P <sup>2</sup>
IN	12.26	12.00	36.63	6.25	5.00	10.00	.88	.53	2.25	12.94	13.25
MM	311	305	930	159	127	254	22	13	57	329	337

UNITS	U -.001	T	AA	AB	AC	AF	AG	AH	AJ	AK -.003	B1
IN	1.625	9.63	1.50 NPT	12.25	8.44	2.63	32.88	3.75	7.250	8.500	4.69
MM	41.28	244		311	214	67	835	95	184.15	215.90	119

UNITS	BA	BB MIN	BC	BD MAX	BF <sup>3,4</sup>	BS	DH	DJ	DK	DM	ES MIN
IN	4.75	.25	.25	10.00	1/2-13 X .75	5.00	11.56	16.38	6.88	.75	2.91
MM	121	6	6	254		127	294	416	175		74

UNITS	EV	SQ KEY	XP	XZ
IN	1.00	.375	9.50	12.13
MM	25	9.53	241	308

FRAME	UNITS	2F ±.03
254TC	IN	8.25
	MM	210
256TC	IN	10.00
	MM	254

TOLERANCES	
FACE RUNOUT	.004 T.I.R.
PERMISSIBLE ECCENTRICITY OF MOUNTING RABBIT	.004 T.I.R.
PERMISSIBLE SHAFT RUNOUT	.002 T.I.R.

1. DIMENSIONS MAY VARY .25" DUE TO CASTING AND/OR FABRICATION VARIATIONS
2. LARGEST MOTOR WIDTH
3. ALL TAP HOLES ARE UNIFIED NATIONAL COARSE, RIGHT HAND THREAD
4. TAP SIZE AND BOLT PENETRATION ALLOWANCE
5. STANDARD ASSEMBLY POSITION F-1 IS SHOWN. F-2 IS PROVIDED WHEN SPECIFIED. CONDUIT OPENINGS MAY BE LOCATED IN STEPS OF 90° REGARDLESS OF THE LOCATION
6. TOLERANCES ARE SHOWN IN INCHES ONL

NOTE: THIS DIMENSION PRINT IS GOOD FOR STEARNS SERIES 1-087-0XX-00, IP54 ENCLOSURE, RANGING FROM 105 THRU 125 LB-FT.

07-3266/-

**Nidec Motor Corporation**  
St. Louis, Missouri

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IHP\_DP\_NMCA (MAR-2011) SOLIDEDGE