

EFFECTIVE:
24-MAR-14

HORIZONTAL MOTORS

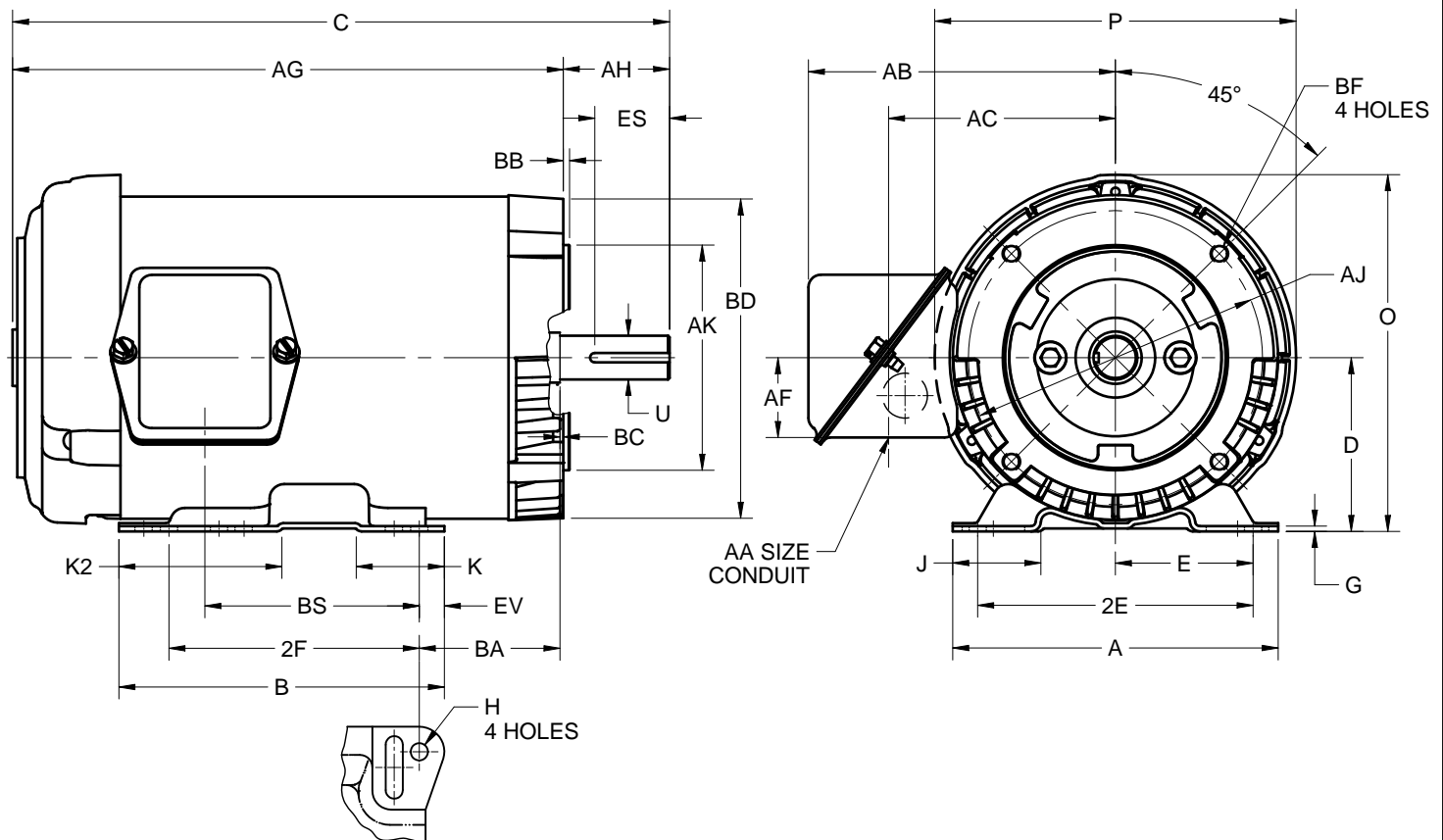
TEFC

PRINT:
07-3109

SUPERSEDES:
NEW

FRAME: 143, 145TC
BASIC TYPE: UT

SHEET:
1 OF 1



ALL DIMENSIONS ARE IN INCHES AND MILLIMETERS

UNITS	A	B	C	D -.06	E	2E ±.03	G	H +.05	J	K	K2	O	P ²
IN	6.50	6.50	13.13	3.50	2.75	5.50	.13	.34	1.75	1.75	3.25	7.16	7.31
MM	165	165	334	89	70	140	3	9	44	44	83	182	186

UNITS	U -.0005	AA ⁵	AB	AC	AF	AG	AH	AJ	AK -.003
IN	.8750	.75	6.13	4.53	1.59	11.00	2.13	5.875	4.500
MM	22.225		156	115	40	279	54	149.23	114.30

UNITS	BA	BB MIN	BC	BD MAX	BF ^{3,4}	BS	ES MIN	EV	SQ KEY
IN	2.75	.13	.13	6.50	3/8-16 X .75	4.28	1.41	.50	.188
MM	70	3	3	165		109	36	13	4.78

UNITS	FRAME	2F ±.03
IN	143TC	4.00
MM		102
IN	145TC	5.00
MM		127

TOLERANCES	
FACE RUNOUT	.004 TIR
PERMISSIBLE ECCENTRICITY OF MOUNTING RABBET	.004 TIR
PERMISSIBLE SHAFT RUNOUT	.002 TIR

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. BASIC CONDUIT FITTING SIZE. HOLE OPENING ON THE SIDE OF THE CONDUIT BOX (REPRESENTED BY A DASHED CIRCLE) WILL ACCEPT A .50 BASIC CONDUIT FITTING
6. THE CONDUIT BOX MAY BE LOCATED ON EITHER SIDE OF THE MOTOR. THE CONDUIT OPENING(S) MAY BE LOCATED IN STEPS OF 180° REGARDLESS OF LOCATION. STANDARD LOCATION IS SHOWN WITH THE CONDUIT OPENING DOWN
7. TOLERANCES ARE SHOWN IN INCHES ONLY
8. FRAME REFERENCE; 7.75/143/145

07-3109/-

Nidec Motor Corporation
St. Louis, Missouri

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