

EFFECTIVE:  
**22-JUN-11**

# HORIZONTAL MOTORS

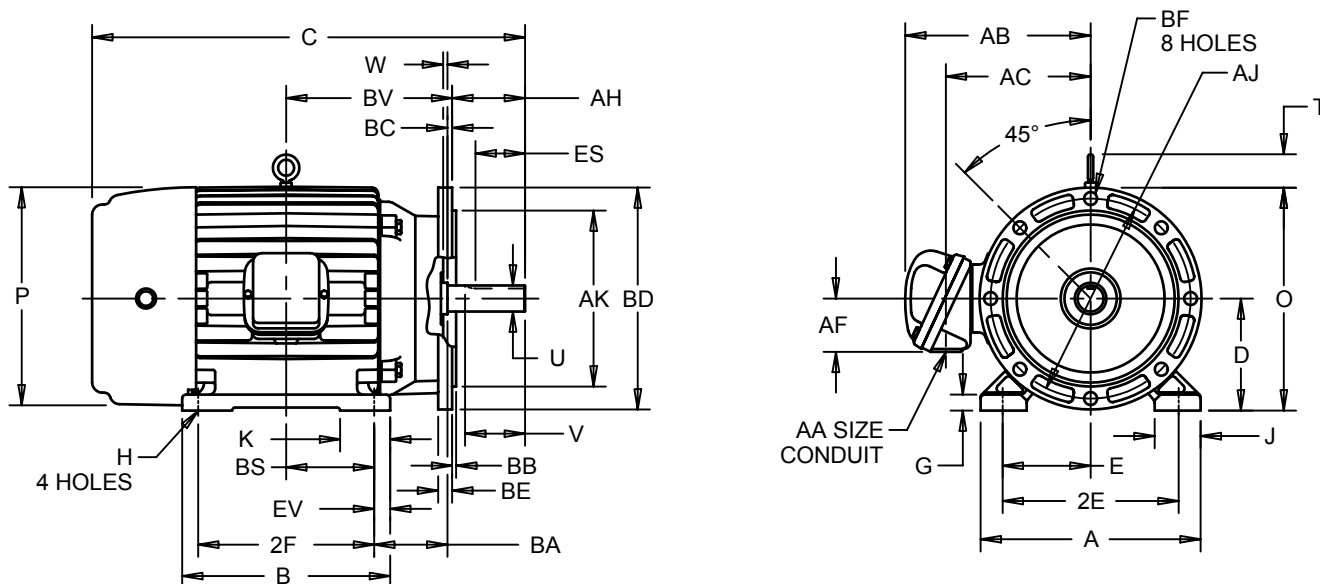
## AUTOMOTIVE DUTY WITH NEMA "D" BRACKET KIT

PRINT:  
**07-2914**

SUPERSEDES:  
**04-AUG-09**

FRAME: 213, 215D  
BASIC TYPE: JAD, JDE

SHEET:  
**1 OF 1**



ALL DIMENSIONS ARE IN INCHES AND MILLIMETERS

UNITS	A	B	C	D -.06	E	2E ±.03	G	H +.05	J	N	O
IN	10.50	8.50	19.94	5.25	4.25	8.50	.50	.41	1.75	3.19	10.94
MM	267	216	506	133	108	216	13	10	44	81	278

UNITS	P <sup>2</sup>	T	U -.0005	V	W	AA	AB	AC	AF	AH	AJ
IN	11.44	2.03	1.1250	2.75	.19	1.00 NPT	9.81	7.25	2.00	3.00	10.000
MM	291	52	28.575	70	5		249	184	51	76	254.00

UNITS	AK -.003	BA <sup>5</sup>	BB	BD MAX	BE	BF	BS	BV	ES MIN	SQ KEY
IN	9.000	3.50	.25	11.00	.50	.53	3.50	7.00	2.13	.250
MM	228.60	89	6	279	13	13	89	178	54	6.35

FRAME	UNITS	2F ±.03
213D	IN	5.50
	MM	140
215D	IN	7.00
	MM	178

- 1: ALL ROUGH CASTING DIMENSIONS MAY VARY BY .25" DUE TO CASTING AND/OR FABRICATION VARIATIONS.
- 2: LARGEST MOTOR WIDTH.
- 3: TOLERANCES SHOWN ARE IN INCHES ONLY.
- 4: STANDARD ASSEMBLY POSITION F-1 IS SHOWN F-2 IS PROVIDED WHEN SPECIFIED. CONDUIT OPENINGS MAY BE LOCATED IN STEPS OF 90° REGARDLESS OF LOCATION. STANDARD AS SHOWN WITH CONDUIT OPENING DOWN.
- 5: NON-NEMA BA DIMENSION.

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

07-2914/A

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

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