

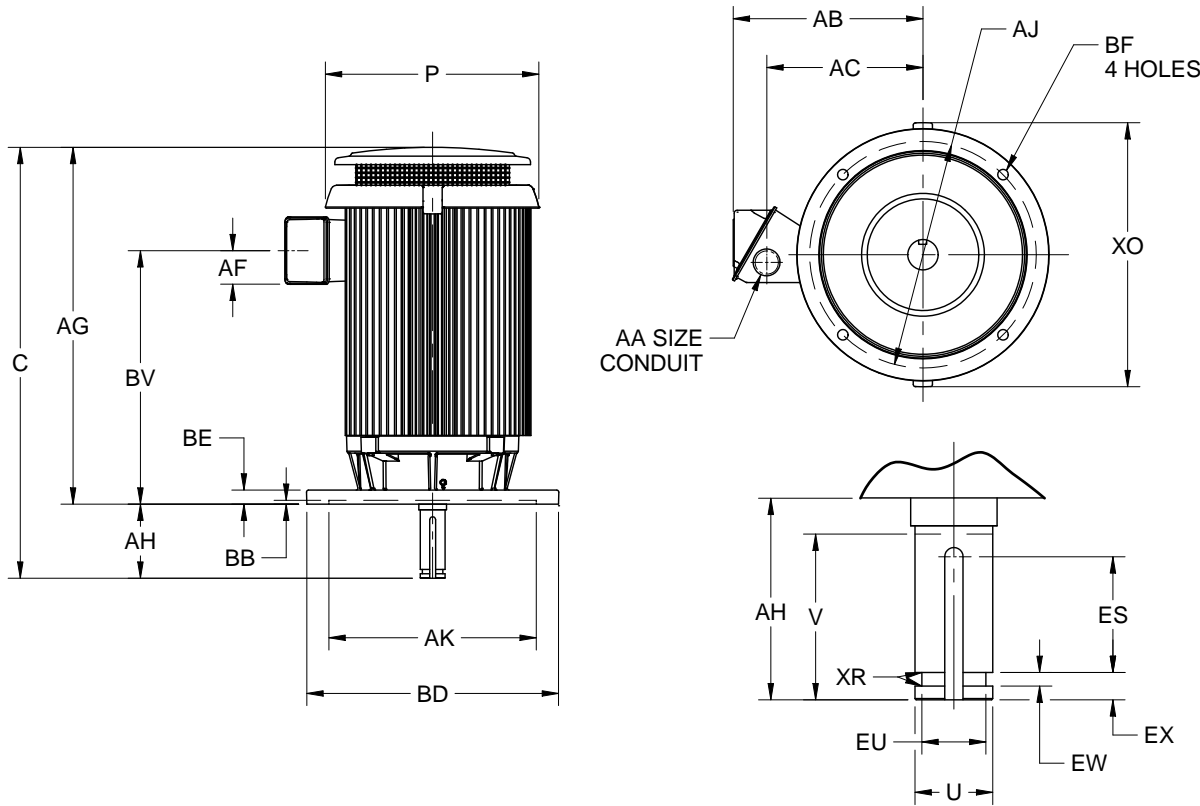
EFFECTIVE:  
**31-MAY-17**

SUPERSEDES:  
**27-APR-15**

**DIMENSION PRINT**  
WEATHER PROTECTED TYPE I  
FRAME: 284HP TRHU 286HPH  
BASIC TYPE: AV

PRINT:  
**1200-5-14**

SHEET:  
**1 OF 1**



ALL DIMENSIONS ARE IN INCHES AND MILLIMETERS

UNITS	P <sup>2</sup>	AA	AB	AC	AF	AG	BE	BV	EW +.002	EX -.005	XO	XR
IN	14.00	1.50	11.07	8.32	2.59	21.50	1.00	15.38	.375	.750	16.88	.03
MM	356		281	211	66	546	25	391	9.53	19.05	429	1

FRAME	UNITS	C	U -.001	V MIN	AH ±.062	AJ	AK	BB MIN	BD MAX	BF	ES MIN	EU -.005
284, 286HP	IN	24.25	1.1250	2.75	2.750	9.125	8.250	.19	10.00	.44	1.31	.875
	MM	616	28.575	70	69.85	231.78	209.55	5	254	11	33	22.23
284, 286HPH	IN	26.00	1.625	4.50	4.500	14.750	13.500	.25	16.50	.69	3.06	1.250
	MM	660	41.28	114	114.30	374.65	342.90	6	419	18	78	31.75

FRAME	UNITS	SQ KEY
284, 286HP	IN	.250
	MM	6.35
284, 286HPH	IN	.375
	MM	9.53

- ALL ROUGH DIMENSIONS MAY VARY BY .25" DUE TO CASTING AND/OR FABRICATION VARIATIONS.
- LARGEST MOTOR WIDTH.
- CONDUIT OPENINGS MAY BE LOCATED IN STEPS OF 180°. STANDARD AS SHOWN WITH CONDUIT OPENING DOWN.
- TOLERANCES SHOWN ARE IN INCHES ONLY.
- SHAFT EXTENSION DIAMETER TOLERANCE: +.0000;-.0005 UP TO 1-1/2" INCLUSIVE.  
LARGE DIAMETERS: +.000;-001
- FRAME REFERENCE 13.617" / 284 / 286.

TOLERANCES	8.250 AK	13.500 AK
FACE RUNOUT	.004 T.I.R.	.006 T.I.R.
PERMISSIBLE ECCENTRICITY OF MOUNTING RABBET	.004 T.I.R.	.006 T.I.R.
PERMISSIBLE SHAFT RUNOUT	.002 T.I.R.	.002 T.I.R.
TOLERANCE ON AK-DIMENSION	+ .004	+ .006
SPECIAL SHAFT RUNOUT	.001 T.I.R.	.001 T.I.R.

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

INFORMATION DISCLOSED ON THIS DOCUMENT IS CONSIDERED PROPRIETARY AND SHALL NOT BE REPRODUCED OR DISCLOSED WITHOUT WRITTEN CONSENT OF NIDEC MOTOR CORPORATION



ISSUED BY  
**F. CRUZ**  
APPROVED BY  
**F. LARA**

IHP\_DP\_NMCA (MAR-2011) SOLIDEDGE