

EFFECTIVE:
13-MAY-19

DIMENSION PRINT

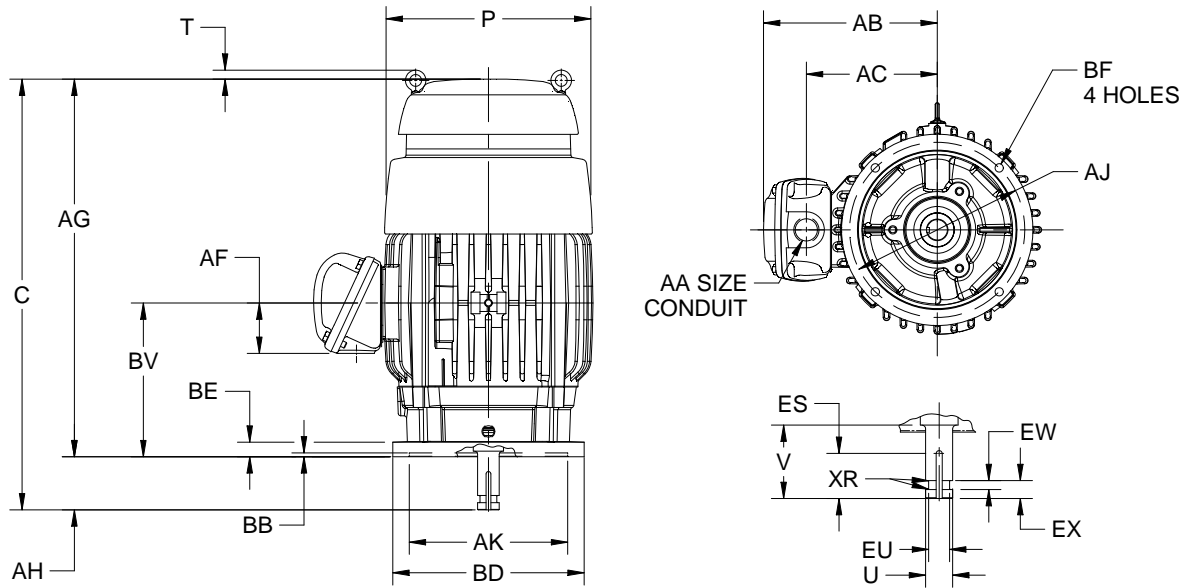
EXPLOSION PROOF

PRINT:
09-1869

SUPERSEDES:
09-MAY-11

FRAME: 182LP THRU 286HPHA
BASIC TYPE: LV9

SHEET:
1 OF 1



ALL DIMENSIONS ARE IN INCHES

BASIC FRAME	C	P ⁴	T	AA	AB	AC	AF	AG	AH ±.031	BE	BV	EW +.002
182,184	23.25	11.13	1.31	1 NPT	9.19	6.81	2.63	20.50	2.750	.75	8.00	.375
213,215	23.25	11.13	1.31	1 NPT	9.19	6.81	2.63	20.50	2.750	.75	8.00	.375
254,256	27.56	13.19	1.63	1 1/2NPT	11.06	8.25	3.13	24.81	2.750	.59	10.00	.375
284,286	31.88	14.56	1.50	2 NPT	13.19	9.69	3.88	27.38	4.500	.91	11.19	.375

BASIC FRAME	EX -.005	XR
182,184	.750	.03
213,215	.750	.03
254,256	.750	.03
284,286	.750	.03

BASIC FRAME	U	V MIN	AJ	AK	BB MIN	BD MAX	BF	ES MIN	EU -.005	SQ KEY
182,184HP,LP	1.1250	2.75	9.125	8.250	.19	10.00	.44	1.88	.875	.250
213,215HP										
254,256HP	1.1250	2.75	9.125	8.250	.19	10.00	.44	1.88	.875	.250
284,286HP										
213,215LP	1.625	2.75	9.125	8.250	.19	10.00	.44	1.88	1.250	.375
254,256LP										
254,256HPH	1.1250	2.75	9.125	8.250	.19	12.00	.44	1.88	7/8	.250
284,286LP	2.125	4.00	9.125	8.250	.19	10.00	.44	3.06	1.750	.500
284,286HPH	1.625	4.50	14.750	13.500	.25	16.50	.69	3.06	1.250	.375
284,286LPH	2.125	4.00	14.750	13.500	.25	16.50	.69	3.06	1.750	.500
284,286HPZ	1.625	4.50	9.125	8.250	.19	10.00	.44	3.06	1.250	.375
284,286HPHA	1.625	4.50	9.125	8.250	.19	12.00	.44	3.06	1.250	.375

- ALL ROUGH CASTING DIMENSIONS MAY VARY BY .25" DUE TO CASTING VARIATIONS.
- SHAFT EXTENSION DIAMETER TOLERANCE: +.0000; -.0005 UP 1-5/8" INCLUSIVE. LARGE DIAMETERS: +.000;-0.001.

- CONDUIT OPENING MAY BE LOCATED IN STEPS OF 90 DEGREES, STANDARD AS SHOWN WITH CONDUIT OPENING DOWN.
- LARGEST MOTOR WIDTH.

TOLERANCES	8.250 AK	13.500 AK
*AK DIMENSION	+0.003;-0.000 AK	+0.005;-0.000
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	.001 T.I.R.	.001 T.I.R.
PERMISSIBLE SHAFT ENPLAY	.0015 MAX	.0015 MAX

Nidec Motor Corporation
St. Louis, Missouri

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