

EFFECTIVE:
03-DEC-12

SUPERSEDES:
22-NOV-11

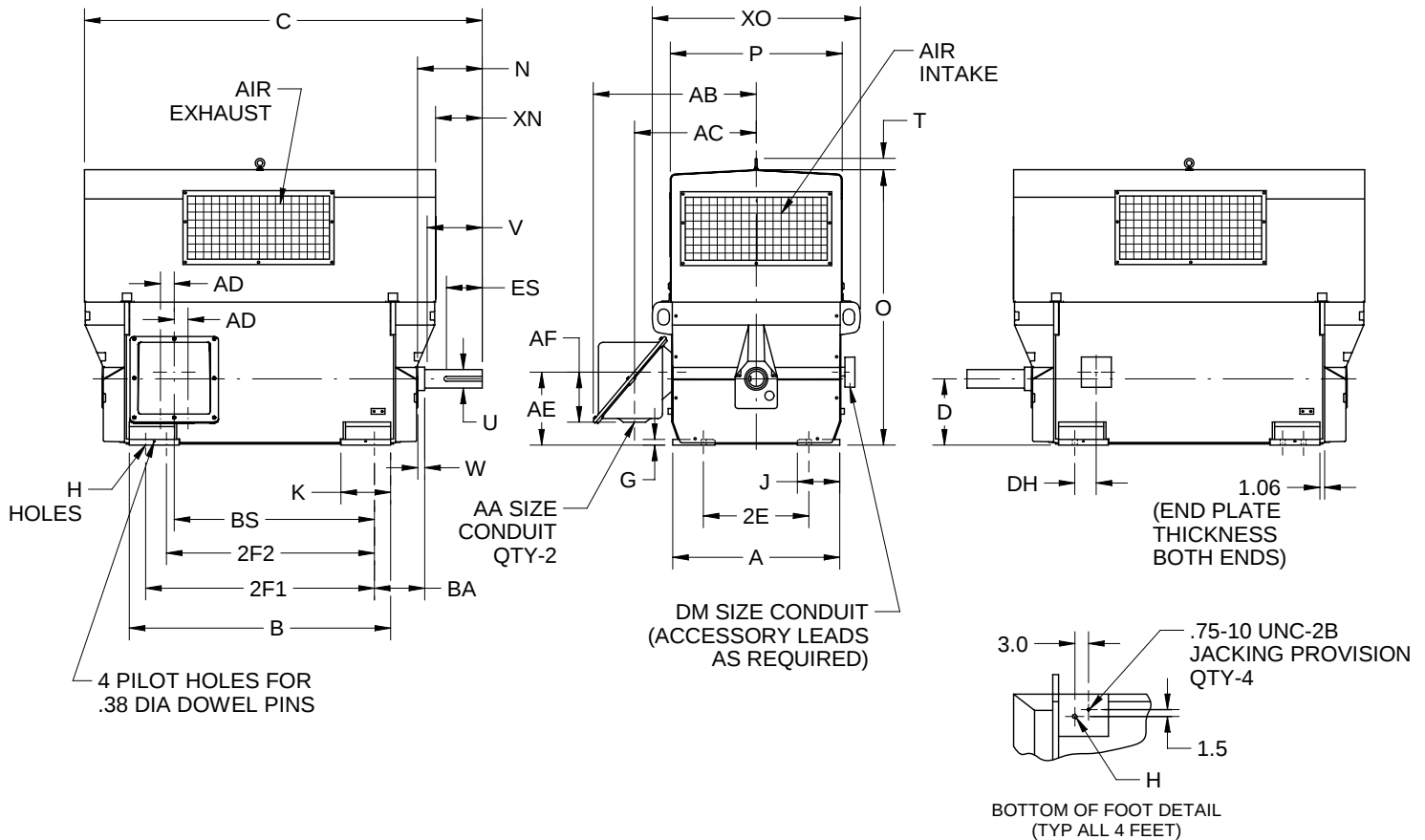
HORIZONTAL MOTORS

TITAN II - WPI (2 POLE)

FRAME: 5800S
BASIC TYPE: RS

PRINT:
07-2310

SHEET:
1 OF 1



ALL DIMENSIONS ARE IN INCHES

A	D	2E	G	H	J	K
36.50	14.50	23.00	1.25	1.09	9.25	10.88

N	O	P	T	U	V	W
7.13	57.41	37.50	2.47	3.375	6.50	.38

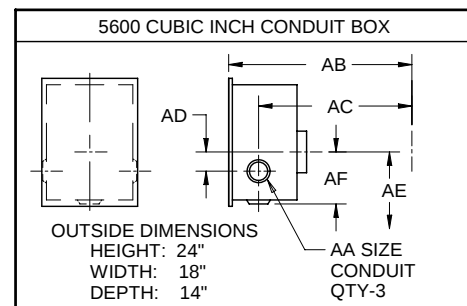
AE	BA	DH	ES	XN	XO	SQ
15.94	10.00	5.69	5.00	3.00	45.50	.875

VOLTS	HP	C/BOX VOLUME (CU.IN.)	QTY AA	AB	AC	AD	AF
0-2400	ALL	3400	2	35.56	26.69	3.00	10.94
2401-4800	0-1000	5600	3	34.88	28.63	4.00	10.81
	1001 & UP						
4801-6900	ALL						

FRAME	B	C	2F1	2F2	BS
5810S	43.13	65.75	36.00	32.00	29.31
5811S	47.13	69.75	40.00	36.00	33.31
5812S	52.13	74.75	45.00	40.00	38.31
5813S	57.13	79.75	50.00	45.00	43.31

AA
3 NPT
3 1/2 NPT
4 NPT

DM
3/4 NPT
1 NPT
1 1/4 NPT
1 1/2 NPT



1. DIMENSIONS MAY VARY BY $\pm .25"$ DUE TO CASTING AND/OR FABRICATION VARIATIONS.
2. STANDARD ASSEMBLY POSITION F-1 IS SHOWN. F-2 POSITION IS SUPPLIED WHEN SPECIFIED.

COUPLING SELECTION:
SLEEVE BEARING MOTORS ARE NOT DESIGNED TO WITHSTAND AXIAL THRUST LOADS. THE MOTOR AND DRIVEN EQUIPMENT SHOULD BE ASSEMBLED AND ADJUSTED SO THAT THE SCRIBE LINE ON THE MOTOR SHAFT IS IN LINE WITH THE OUTER SEAL FACE DURING OPERATING CONDITIONS. THE MOTOR ROTOR MUST BE LIMITED FROM TRAVELING TO EITHER EXTREME END LIMITS. LIMITED END FLOAT TYPE COUPLINGS ARE REQUIRED. MINIMUM MOTOR ROTOR FLOAT LIMIT IS 0.50 INCHES AND TOTAL MAXIMUM COUPLING END FLOAT LIMIT IS 0.19 INCHES.

07-2310/C

Nidec Motor Corporation
St. Louis, Missouri

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ISSUED BY
K. FRIEDMAN
APPROVED BY
R. SCHMIDT

IHP_DP_NMCA (MAR-2011) SOLIDEDGE