

EFFECTIVE:  
11-MAY-12

SUPERSEDES:  
22-MAR-11

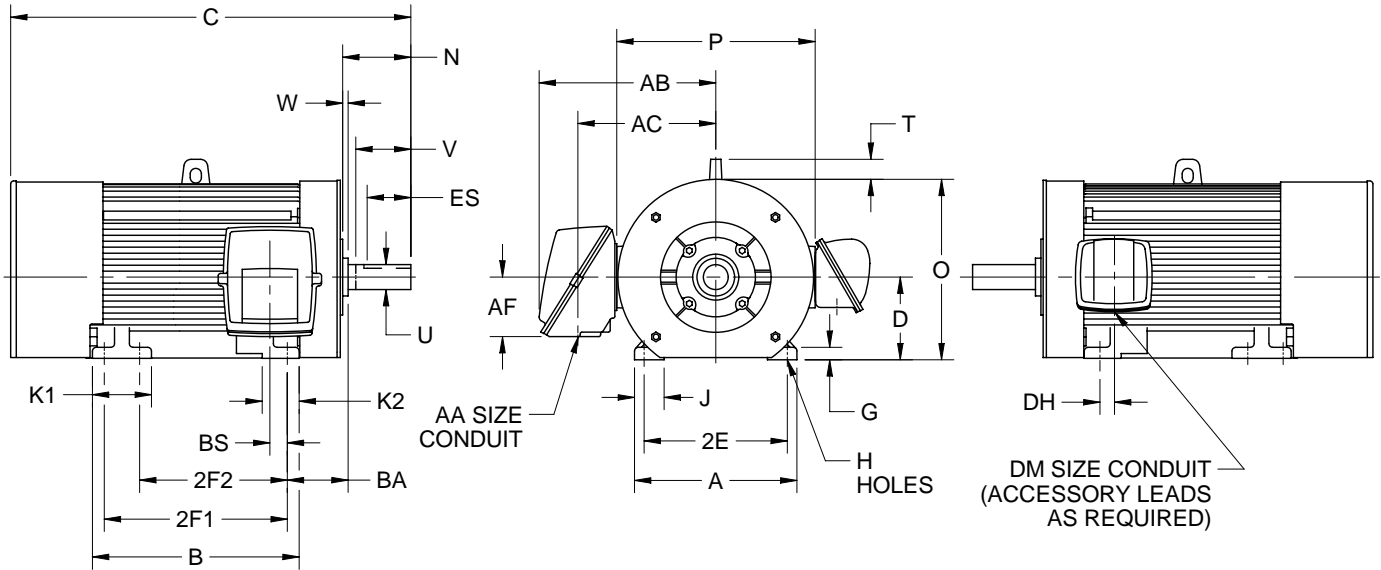
# HORIZONTAL MOTORS

TOTALLY ENCLOSED FAN COOLED

FRAME: 449  
BASIC TYPE: J, JC

PRINT:  
07-2044

SHEET:  
1 OF 1



ALL DIMENSIONS ARE IN INCHES AND MILLIMETERS

UNITS	A	B	D	2E	2F1	2F2	G	H	J
IN	22.00	28.00	-.06	±.03	±.03	±.03	1.50	+.05	4.00
MM	559	711	279	457	635	508	38	21	102

UNITS	K1	K2	O	P <sup>2</sup>	T	W	BA	BS
IN	8.00	5.00	24.06	26.50	2.88	.13	7.50	2.50
MM	203	127	611	673	73	3	191	64

UNITS	VOLTS	AB	AC	AF	DH
IN	460	24.25	18.53	8.06	2.50
MM		616	471	205	64
IN	2300	24.25	18.53	8.06	2.50
MM		616	471	205	64
IN	4000	24.75	20.63	10.00	2.50
MM		629	524	254	64

UNITS	FRAME	C	N	U	V	ES	SQ
IN	449T	55.13	8.63	-.001	3.375	7.00	.875
MM		1400	219	85.73	210	178	22.23
IN	449TL	57.13	10.63	4.375	10.25	8.50	1.000
MM		1451	270	111.13	260	216	25.40
IN	449TM	51.38	4.88	2.875	4.50	3.63	.750
MM		1305	124	73.03	114	92	19.05
IN	449TS	51.38	4.88	2.375	4.50	3.13	.625
MM		1305	124	60.33	114	80	15.88

AA
2 NPT
2 1/2 NPT
3 NPT
3 1/2 NPT
4 NPT

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

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

07-2044/F

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

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