



# AutomationDirect AC Motors Selection Overview

## EPAcT, High, Premium Efficiency

### What does it all mean?

#### EPAcT (1992)

In 1992, the U.S. Congress passed legislation requiring that general purpose Design A & B motors meet minimum efficiency requirements, and this legislation was called the Energy Policy Act of 1992. Previously, there had been no U.S. standards set forth for motor energy efficiency. Since 1997 (when EPAcT '92 was first enforced), two-, four-, and six-pole general purpose Design A & B motors had to meet EPAcT guidelines. Since then, most general purpose motors manufactured and/or sold in the U.S. have met these requirements.

#### Premium Efficiency (EISA 2007)

In December 2010, a new level of energy efficiency mandate went into effect. The Energy Independence and Security Act of 2007 mandated that all AC industrial motors as described below must meet Premium Efficiency standards. The NEMA trade group was instrumental in getting this legislation passed, so many people refer to the high efficiency motors by their nickname – NEMA Premium®. All applicable motors manufactured or imported into the U.S. after December 2010 must meet the Premium Efficiency guidelines.

#### Motors Covered Under EISA 2007 (Premium Efficiency Mandate)

**Included – must meet the new Premium Efficiency standards – Industrial AC electric squirrel-cage motors as follows:**

Single speed; Polyphase; 1–200 hp with 3-digit frame sizes; 2, 4, & 6 pole (3600, 1800, & 1200 rpm); NEMA design A & B (including IEC equivalent); Continuous rated

**Not Included in Premium Efficiency standards, but must now meet EPAcT standards:**

JM; JP; Round body (footless); 201–500 hp; Fire pump; U-frame; Design C; 8-pole

For full text, visit [www.energy.senate.gov](http://www.energy.senate.gov) and click "ENERGY INDEPENDENCE & SECURITY ACT OF 2007".

#### Nominal Full-Load Efficiency Standards Comparisons (%)

##### Enclosed Electric Motors, Random Wound, 60 Hz, 600V or Less

Motor HP	1200 rpm [6-pole]		1800 rpm [4-pole]		3600 rpm [2-pole]	
	EPAcT	Premium Efficiency	EPAcT	Premium Efficiency	EPAcT	Premium Efficiency
1	80.0	82.5	82.5	85.5	75.5	77.0
1.5	85.5	87.5	84.0	86.5	82.5	84.0
2	86.5	88.5	84.0	86.5	84.0	85.5
3	87.5	89.5	87.5	89.5	85.5	86.5
5	87.5	89.5	87.5	89.5	87.5	88.5
7.5	89.5	91.0	89.5	91.7	88.5	89.5
10	89.5	91.0	89.5	91.7	89.5	90.2
15	90.2	91.7	91.0	92.4	90.2	91.0
20	90.2	91.7	91.0	93.0	90.2	91.0
25	91.7	93.0	92.4	93.6	91.0	91.7
30	91.7	93.0	92.4	93.6	91.0	91.7
40	93.0	94.1	93.0	94.1	91.7	92.4
50	93.0	94.1	93.0	94.5	92.4	93.0
60	93.6	94.5	93.6	95.0	93.0	93.6
75	93.6	94.5	94.1	95.4	93.0	93.6
100	94.1	95.0	94.5	95.4	93.6	94.1
125	94.1	95.0	94.5	95.4	94.5	95.0
150	95.0	95.8	95.0	95.8	94.5	95.0
200	95.0	95.8	95.0	96.2	95.0	95.4

# Black Max<sup>®</sup> Vector Duty Motors

\*\*\*\* 230/460V and 575V Motors Available \*\*\*\*



## Motor Shipping Schedule

Same or one day *	Up to 7 days	Up to 10 days
-------------------	--------------	---------------

Color indicates shipping lead time in business days. Check stock status online.

\* For same-day shipping of stock motors requiring LTL shipment, order before 5 p.m. EST.

## Features

- Class F MAX GUARD<sup>®</sup> insulation system
- Constant torque operation from 0 to base speed on vector drive
- Constant horsepower operation to twice base RPM
- Continuous duty at 40° C ambient
- Optimized for operation with IGBT inverter (NEMA Design A)
- Class F N/C thermostats (one per phase)
- Utilizes double shielded ball bearings
- Exxon Polyrex<sup>®</sup> EM bearing grease
- Dual Mounting (C-Face with rigid base and C-Face with removable rigid base, as noted)
- F1 standard conduit box location, field reversible to F2 (except as noted)
- Available with optional encoder installed on opposite drive end
- Electrically reversible
- UL recognized and CSA certified
- Three year warranty

## Applications

- Designed for inverter or vector applications where up to a 1000:1 constant torque speed range is required.
- Typical uses include: material handling, machine tools, conveyors, crane and hoist, metal processing, test stands, pumps, compressors, textile processing, and other industrial machinery installed in dusty or dirty environments.

## 230/460V Motor Specifications

Part Number	Price	HP	Base RPM	Volts	Enclosure	NEMA Frame	Model No.	F.L. Amps	Weight (lb)	Footnotes
Y592	<-->	1/4	1800	230/460	TENV	56C	56H17T2001	1.2 / 0.6	19	T, S, 13
Y534	<-->	1/2	1800	230/460	TENV	56C	56H17T5301	1.6 / 0.8	28	T, S, 6, 13
Y535	<-->	1	1800	230/460	TENV	56C	56H17T5302	3.0 / 1.5	41	T, S, 6, 13
Y536	<-->	1	1800	230/460	TENV	143TC	143THTR5326	3.0 / 1.5	43	T, S, 6, 13
Y537	<-->	1	1200	230/460	TENV	145TC	145THTR5376	3.8 / 1.9	49	T, S, 6, 13
Y538	<-->	1-1/2	1800	230/460	TENV	145TC	145THTR5326	4.8 / 2.4	50	T, S, 6, 13
Y551	<-->	2	1800	230/460	TENV	145TC	145THTN6046	6.0 / 3.0	72	T
Y540	<-->	2	1200	230/460	TENV	184TC	184HTL7776	6.6 / 3.3	88	T, AL
Y541	<-->	3	1800	230/460	TENV	182TC	182HTL7726	8.4 / 4.2	96	T, AL
Y542	<-->	3	1200	230/460	TENV	213TC	213HTL7776	9.4 / 4.7	118	T, AL
Y543	<-->	5	1800	230/460	TENV	184TC	184HTL7726	14.0 / 7.0	98	T, AL
Y544	<-->	5	1200	230/460	TENV	215TC	215HTL7776	15.4 / 7.7	138	T, AL
Y545	<-->	7-1/2	1800	230/460	TENV	213TC	213HTL7726	21.0 / 10.5	146	T, AL
Y546	<-->	7-1/2	1200	230/460	TENV	254TC	254HTL5776	22.0 / 11.0	209	T, AL
Y547*	<-->	10	1800	230/460	TENV	215TC	215HTL7726	27.0 / 13.5	159	T, AL
Y548*	<-->	10	1200	230/460	TENV	256TC	256HTL5776	28 / 14	203	T, AL
Y549*	<-->	15	1800	230/460	TENV	254TC	254HTL5726	40 / 20	250	T, AL, I
Y552*	<-->	20	1800	230/460	TENV	256TC	256HTNA7026	52 / 26	300	T, I
Y553*	<-->	25	1800	230/460	TENV	284TC	284HTNA7026	62 / 31	495	T, I
Y393*	<-->	30	1800	230/460	TENV	286TC	286HTNA7026	74 / 37	575	T, I

### Footnotes:

T Thermostat overload  
 S Steel Frame Construction  
 6 Bolt-on, removable base for footless mounting option

### Footnotes (continued):

13 F1 Mounting Only, cannot modify to F2  
 AL Aluminum Frame Construction  
 I Intermittent duty from 90-120 Hz operation

Note: Please review the AutomationDirect Terms & Conditions for warranty and service on his product.

Warranty service can be arranged through numerous Marathon Electric service centers. See list of service centers on our Web site at [www.automationdirect.com](http://www.automationdirect.com).



- Company Information
- Systems Overview
- Programmable Controllers
- Field I/O
- Software
- C-more & other HMI
- Drives
- Soft Starters
- Motors & Gearbox
- Steppers/Servos
- Motor Controls
- Proximity Sensors
- Photo Sensors
- Limit Switches
- Encoders
- Current Sensors
- Pressure Sensors
- Temperature Sensors
- Pushbuttons/Lights
- Process
- Relays/Timers
- Comm.
- Terminal Blocks & Wiring
- Power
- Circuit Protection
- Enclosures
- Tools
- Pneumatics
- Appendix
- Product Index
- Part # Index

# Black Max<sup>®</sup> Vector Duty Motors

Motor Shipping Schedule		
Same or one day	Up to 7 days	Up to 10 days
Color indicates shipping lead time in business days. Check stock status online.		

575V Motor Specifications										
Part Number	Price	HP	Base RPM	Volts	Enclosure	NEMA Frame	Model No.	F.L. Amps	Weight (lb)	Footnotes
Y555	<-->	1/2	1800	575	TENV	56C	56H17T5311	0.64	28	T, S, 6, 13
Y556	<-->	1	1800	575	TENV	56C	56H17T5312	1.2	41	T, S, 6, 13
Y557	<-->	2	1800	575	TENV	145TC	145THTN6060	2.4	72	T
Y558	<-->	3	1800	575	TENV	182TC	182THTL7736	3.4	96	T, AL
Y559	<-->	5	1800	575	TENV	184TC	184THTL7736	5.6	98	T, AL
Y560	<-->	7-1/2	1800	575	TENV	213TC	213THTL7736	8.4	146	T, AL
Y561	<-->	10	1800	575	TENV	215TC	215THTL7736	10.8	159	T, AL
Y562	<-->	15	1800	575	TENV	254TC	254THTL5736	16.0	250	T, AL, I
Y563	<-->	20	1800	575	TENV	256TC	256THTNA7036	20.8	300	T, I

**Footnotes:**  
T Thermostat overload  
S Steel Frame Construction  
6 Bolt-on, removable base for footless mounting option

**Footnotes (continued):**  
13 F1 Mounting Only, cannot modify to F2  
AL Aluminum Frame Construction  
I Intermittent duty from 90-120 Hz operation

**Note:** Please review the AutomationDirect Terms & Conditions for warranty and service on this product. Warranty service can be arranged through numerous Marathon Electric service centers. See list of service centers on our Web site at [www.automationdirect.com](http://www.automationdirect.com).

## Motor with Shaft Mounted Encoder\*:

A Dynapar Model HS35 shaft mounted encoder can be supplied with the motor as shown in the price table below. The encoder requires a 5-26 VDC power source, provides a count of 1024 pulses per revolution (PPR), differential line driver output and includes a 10-pin mating connector.

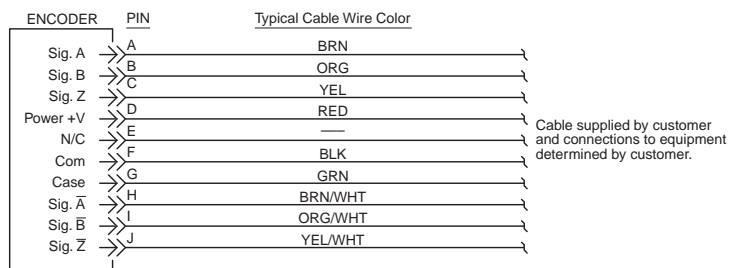
\* If connecting the motor to a DURAPULSE AC drive, a GS3-FB Feedback Card is required for the drive.

Motor with Shaft Mounted Encoder								
230/460V Motors						575V Motors		
Part Number	Price	HP	Part Number	Price	HP	Part Number	Price	HP
Y592-A772	<-->	1/4	Y543-A772	<-->	5	Y555-A772	<-->	1/2
Y534-A772	<-->	1/2	Y544-A772	<-->	5	Y556-A772	<-->	1
Y535-A772	<-->	1	Y545-A772	<-->	7-1/2	Y557-A772	<-->	2
Y536-A772	<-->	1	Y546-A772	<-->	7-1/2	Y558-A772	<-->	3
Y537-A772	<-->	1	Y547-A772	<-->	10	Y559-A772	<-->	5
Y538-A772	<-->	1-1/2	Y548-A772	<-->	10	Y560-A772	<-->	7-1/2
Y551-A772	<-->	2	Y549-A772	<-->	15	Y561-A772	<-->	10
Y540-A772	<-->	2	Y552-A772	<-->	20	Y562-A772	<-->	15
Y541-A772	<-->	3	Y553-A772	<-->	25	Y563-A772	<-->	20
Y542-A772	<-->	3	Y393-A772	<-->	30			

**Note:** Please review the AutomationDirect Terms & Conditions for warranty and service on this product. Warranty service can be arranged through numerous Marathon Electric service centers. See list of service centers on our Web site at [www.automationdirect.com](http://www.automationdirect.com).

## Encoder connector pinout:

Note: A mating connector is supplied with the encoder.



# Black Max® Vector Duty Motors

Motor Performance Data (460 Volt) *																
Part Number	HP	F.L. rpm	F.L. Amps @460V	N.L. Amps @460V	F.L. Torque (lb-ft)	B.D. Torque (lb-ft)	Max. C hp rpm *	Max. Safe rpm	F.L. Effic. (%)	F.L. Power Factor	Rotor Inertia (lb-ft <sup>2</sup> )	Ohms/Ph - Equiv. Wye Circuit (460 VAC) (at rated operating temp. in 40° C ambient)				
												R1	R2	X1	X2	XM
Y592	1/4	1755	0.6	0.45	0.75	4.5	3540	5400	70.0	58.0	0.045	26.300	23.000	30.240	14.700	572.000
Y534	1/2	1735	0.8	0.52	1.5	5.8	3510	5400	80.0	72.0	0.056	22.307	17.028	24.123	18.163	532.976
Y535	1	1750	1.5	1.0	3.0	15.0	3505	5400	84.0	75.0	0.110	8.378	5.623	10.707	9.912	278.036
Y536	1	1750	1.5	1.0	3.0	15.0	3505	5400	84.0	75.0	0.110	8.378	5.623	10.707	9.912	278.036
Y537	1	1145	1.9	1.3	4.5	16.0	2260	5400	80.0	62.5	0.140	10.302	8.372	13.793	15.325	193.835
Y538	1-1/2	1755	2.4	1.6	4.5	29.0	3518	5400	85.5	69.0	0.140	4.257	3.538	5.998	5.884	161.009
Y551	2	1750	3.0	1.7	6.0	28.5	3525	5400	85.5	78.0	0.130	3.834	2.897	5.950	5.637	154.800
Y540	2	1160	3.3	2.1	9.0	34.0	2315	5400	82.5	67.5	0.380	3.948	3.436	7.725	12.113	116.900
Y541	3	1755	4.2	2.2	9.0	48.0	3515	4200	85.5	80.0	0.420	2.356	1.731	4.266	4.304	123.930
Y542	3	1158	4.7	3.0	13.6	49.0	2300	4200	82.5	72.5	0.600	2.469	2.318	6.508	4.125	83.910
Y543	5	1765	7.0	4.2	14.8	70.0	3555	4200	89.5	74.5	0.550	1.242	0.947	2.534	4.236	64.128
Y544	5	1165	7.7	4.8	22.5	87.0	2320	4200	84.0	71.0	0.900	1.130	1.250	3.709	2.573	51.972
Y545	7-1/2	1765	10.5	5.5	22.3	95.5	3525	4200	90.2	76.0	0.850	0.699	0.567	1.765	2.260	38.178
Y546	7-1/2	1170	11.0	6.0	34.0	118.0	2325	4200	87.5	73.0	1.200	0.510	0.680	2.846	3.247	42.714
Y547	10	1774	13.5	7.4	29.5	125.0	3540	4200	90.2	76.0	1.300	0.369	0.334	1.423	2.281	34.932
Y548	10	1160	14	7.0	45.5	135.0	2320	4200	89.5	75.5	1.500	0.534	0.693	2.258	2.323	30.530
Y549	15	1765	20	11.0	45.0	170.0	3550	3600	92.4	76.0	1.600	0.134	0.316	1.047	1.569	22.151
Y552	20	1768	26	13.5	59.5	290.0	3560	3600	93.6	80.0	3.100	0.234	0.213	0.746	0.689	18.204
Y553	25	1770	31	14.0	74.2	330.0	3530	3600	93.6	75.0	4.400	0.143	0.160	0.724	0.678	13.965
Y393	30	1772	37	23.5	89.0	375.0	3560	3600	94.5	74.0	5.500	0.113	0.123	0.543	0.557	11.200

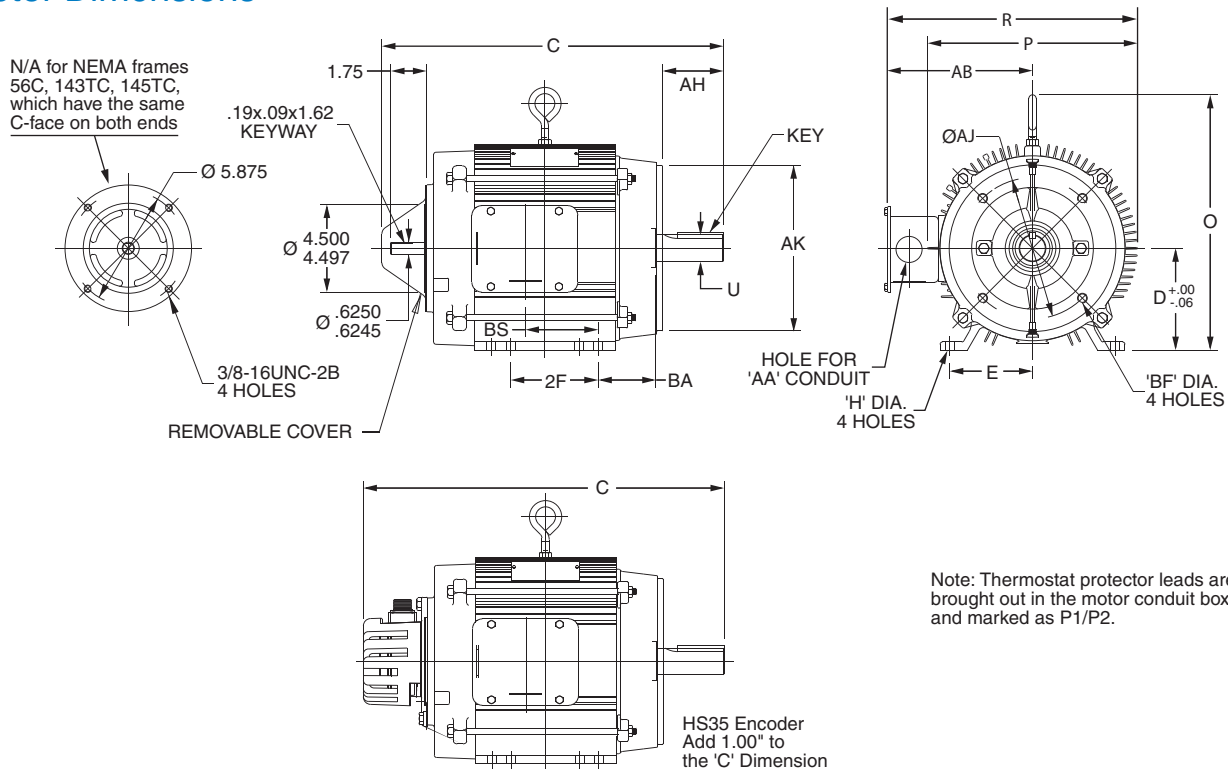
\* Maximum Constant hp rpm is for direct coupled loads.

Motor Performance Data (575 Volt) *																
Part Number	HP	F.L. rpm	F.L. Amps @575V	N.L. Amps @575V	F.L. Torque (lb-ft)	B.D. Torque (lb-ft)	Max. C hp rpm *	Max. Safe rpm	F.L. Effic. (%)	F.L. Power Factor	Rotor Inertia (lb-ft <sup>2</sup> )	Ohms/Ph - Equiv. Wye Circuit (575 VAC) (at rated operating temp. in 40° C ambient)				
												R1	R2	X1	X2	XM
Y555	1/2	1735	0.8	0.8	1.52	5.8	3510	5400	80.0	72	0.056	22.307	17.028	24.123	18.163	532.976
Y556	1	1750	1.6	0.8	3.0	15.0	3505	5400	84.0	75	0.11	8.378	5.623	10.707	9.912	278.036
Y557	2	1750	2.4	1.6	6.0	28.5	3525	5400	85.5	78	0.13	3.834	2.897	5.950	5.637	154.780
Y558	3	1755	3.2	1.6	9.0	48.0	3515	4200	85.5	80	0.42	2.356	1.731	4.266	4.304	123.926
Y559	5	1765	5.6	3.2	14.9	70.0	3555	4200	89.5	74.5	0.52	1.242	1.134	2.268	3.969	64.071
Y560	7-1/2	1765	8.0	4.8	22.3	95.5	3525	4200	90.2	76	0.9	0.699	0.567	1.765	2.260	38.178
Y561	10	1774	11.2	5.6	29.6	125.0	3540	4200	90.2	76	1.3	0.284	0.284	1.420	2.272	34.932
Y562	15	1765	16.0	8.8	44.6	170.0	3550	3600	92.4	76	1.6	0.314	0.316	1.047	1.569	22.151
Y563	20	1770	20.8	11.2	59.5	290.0	3560	3600	93.6	77	3.5	0.220	0.192	0.675	0.684	18.204

\* Maximum Constant hp rpm is for direct coupled loads.

# Black Max<sup>®</sup> Vector Duty Motors

## Motor Dimensions



Note: Thermostat protector leads are brought out in the motor conduit box and marked as P1/P2.

Motor Dimensions [Inches]																								
Part #	230/460V	575V	HP	NEMA Frame	Frame Construct	C	D	E	2F	H	O	P	R	U	AA	AB	AH	AJ	AK Max	BA	BF	BS	Key	
Y592	-	1/4		56C	Rolled Steel	11.88				.34	6.35	5.69	7.21			4.37						2.84		
Y534	Y555	1/2				13.48	2.44	3.00						8.77	.625		5.56	2.06					3.75	
Y535	Y556	1				14.98																	5.25	
Y536	-	1	143TC			15.04	3.50		4.00	.35	6.71	6.42				None			5.875	4.500	2.75	3/8-16	4.93	.19x.19x1.38
Y537	-	1				16.04		2.75	5.00					8.46	.875		5.25	2.12						5.93
Y538	-	1-1/2	145TC																					
Y551	Y557	2			Cast Iron	14.68		5.00	.37	7.45	7.98	11.03				7.04			4.50	2.62		3.81		
Y540	-	2	184TC			16.94	4.50	3.75	5.50	.44	11.22	9.74	12.07	1.125	1.09	7.19	2.62				3.50		2.75	.25x.25x1.75
Y541	Y558	3	182TC		17.39			4.50														2.98		
Y542	-	3	213TC		19.04	5.22	4.25		5.50	.47	12.47	10.75	12.78	1.375	1.34	7.39	3.12			4.25		4.05	.31x.31x2.38	
Y543	Y559	5	184TC		18.94	4.50	3.75		5.50	.44	11.22	9.74	12.07	1.125	1.09	7.19	2.62			3.50		3.75	.25x.25x1.75	
Y544	-	5	215TC		20.54		4.25	7.00		.47	12.47		12.78	1.375	1.34	7.39	3.12					5.55	.31x.31x2.38	
Y545	Y560	7-1/2	213TC	Aluminum	20.54	5.22	4.25		5.50									7.25	8.500		4.25	1/2-13		
Y546	-	7-1/2	254TC			25.37	6.22	5.00	8.25	.56	13.46		10.75	13.75	1.625	1.75 & 2.0	8.38	3.75					8.85	.38x.38x2.88
Y547	Y561	10	215TC			23.04	5.22	4.25	7.00	.47	12.47			12.78	1.375	1.34	7.39	3.12					8.05	.31x.31x2.38
Y548	-	10	256TC		26.87				10.00															
Y549	Y562	15	254TC		26.87	6.22	5.00		8.25		13.46	N/A	13.54	1.625	1.75 & 2.00	8.17	3.75						10.40	.38x.38x2.88
Y552	Y563	20	256TC		27.13				10.00	.56	16.49	14.32	17.84		1.25	10.68				4.75			4.75	
Y553	-	25	284TC	Cast Iron	27.08				9.50		15.57	15.89	21.26	1.875	2.00	13.31	4.38	9.0	10.500		3/8-16			
Y393	-	30	286TC			28.58	7.00	5.50		11.00													5.50	.50x.50x3.25

Note: Dimensions are for reference only. For complete dimensional information, refer to Marathon Electric at [www.marathonelectric.com](http://www.marathonelectric.com).

# STABLE™ Motor Slide Bases

## Mounting Slide Bases for 56 to 449T NEMA Motors Features

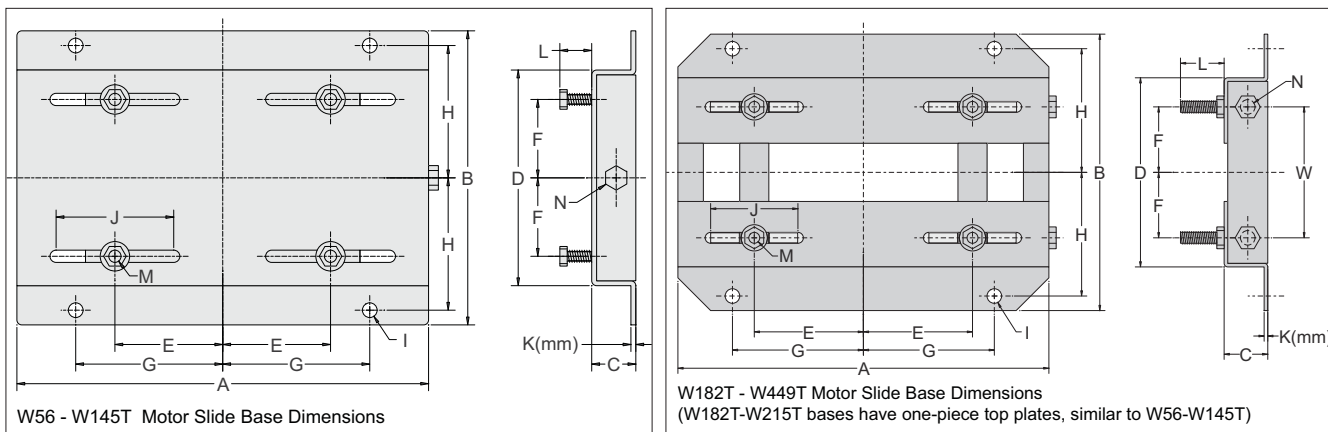
- Allows adjustment of motor mounting position
- Double adjusting screws for frames 182T - 449T
- Manufactured to precise dimensional standards
- Dimensionally interchangeable with existing major makes
- Heavy-duty steel construction
- Painted with oven-baked primer for better adhesion of customer's paint
- All "D" bolts (motor mounting bolts) are fixed to the exact motor foot pattern
- All "D" bolts are welded into position to prevent spinning and dropping from slots
- Bases are provided with washers



Motor Slide Bases											
Part Number	Price	Fits Frame Type	Product Weight (lb)	Fits Motor							
				IronHorse	Marathon micro -MAX	Marathon Black Max 230/460V	Marathon Black Max 575V	Marathon Blue Max	Marathon NEMA Premium XRI	Marathon Blue Chip XRI 230/460V	Marathon Blue Chip XRI 575V
<b>MTA-BASE-W56</b>	<-->	56	2.8	MTR-xxx-xxxx MTPM-xxx-xxxx	Y500 Y360 Y364	Y592(-A772) Y534(-A772) Y535(-A772)	Y555(-A772) Y556(-A772)	-	E2000	-	-
<b>MTA-BASE-W143T</b>	<-->	143T/TC	4.6	MTC(P)-001-3BD18(C)(CK) MTC-1P5-3BD36	-	Y536(-A772)	-	-	E2001 E2003	-	-
<b>MTA-BASE-W145T</b>	<-->	145T/TC	5.1	MTC-001-3BD12 MTC(P)-1P5-3BD18(C)(CK) MTC(P)-002-3BD18(C)(CK) MTC-002-3BD36	Y368	Y537(-A772) Y538(-A772) Y551(-A772)	Y557(-A772)	-	E2002 E2004 E2006 E2007	-	-
<b>MTA-BASE-W182T</b>	<-->	182T/TC	9.2	MTC-1P5-3BD12 MTC(P)-003-3BD18(C)(CK) MTC-003-3BD36	Y1999	Y541(-A772)	Y558(-A772)	-	E2005 E2009 E2010	-	-
<b>MTA-BASE-W184T</b>	<-->	184T/TC	10	MTC-002-3BD12 MTC(P)-005-3BD18(C)(CK) MTC-005-3BD36	Y1372	Y540(-A772) Y543(-A772)	Y559(-A772)	-	E2008 E2012 E2013	-	-
<b>MTA-BASE-W213T</b>	<-->	213T/TC	13	MTC-003-3BD12 MTC(P)-7P5-3BD18(C)(CK) MTC-7P5-3BD36	Y994	Y542(-A772) Y545(-A772)	Y560(-A772)	-	E2011 E2015 E2016	-	-
<b>MTA-BASE-W215T</b>	<-->	215T/TC	15	MTC-005-3BD12 MTC(P)-010-3BD18(C)(CK) MTC-010-3BD36	Y996	Y544(-A772) Y547(-A772)	Y561(-A772)	-	E2014 E2018 E2019	-	-
<b>MTA-BASE-W254T</b>	<-->	254T/TC	18	MTC-7P5-3BD12 MTC(P)-015-3BD18(C)(CK)	-	Y546(-A772) Y549(-A772)	Y562(-A772)	-	-	E205	E307
<b>MTA-BASE-W256T</b>	<-->	256T/TC	19	MTC-010-3BD12 MTC(P)-020-3BD18(C)(CK)	-	Y548(-A772) Y552(-A772)	Y563(-A772)	-	-	E206	E308
<b>MTA-BASE-W284T</b>	<-->	284T/TC	20	MTC(P)-025-3BD18(C)(CK)	-	Y553(-A772)	-	-	-	E207	E309
<b>MTA-BASE-W286T</b>	<-->	286T/TC	21	MTC(P)-030-3BD18(C)(CK)	-	Y393(-A772)	-	-	-	E208	E310
<b>MTA-BASE-W324T</b>	<-->	324T/TC	30	MTC(P)-040-3BD18(C)(CK)	-	-	-	Y571(-A774) Y513(-A775)	-	E209	E311
<b>MTA-BASE-W326T</b>	<-->	326T/TC	31	MTC(P)-050-3BD18(C)(CK)	-	-	-	Y572(-A774) Y514(-A775)	-	E210	E312
<b>MTA-BASE-W364T</b>	<-->	364T/TC	43	MTC(P)-060-3BD18(C)(CK)	-	-	-	Y573(-A774) Y515(-A775)	-	E211	E313
<b>MTA-BASE-W365T</b>	<-->	365T/TC	43	MTC(P)-075-3BD18(C)(CK)	-	-	-	Y574(-A774) Y516(-A775)	-	E212	E315
<b>MTA-BASE-W404T</b>	<-->	404T/TC	58	-	-	-	-	-	-	-	-
<b>MTA-BASE-W405T</b>	<-->	405T/TC	60	MTC(P)-100-3BD18(C)(CK)	-	-	-	Y575(-A774) Y517(-A775)	-	E213	E314
<b>MTA-BASE-W444T</b>	<-->	444T	63	MTC(P)-125-3BD18	-	-	-	-	-	-	-
<b>MTA-BASE-W445T</b>	<-->	445T	65	MTC(P)-150-3BD18	-	-	-	-	-	-	-
<b>MTA-BASE-W447T</b>	<-->	445/7T 447T	89	MTC(P)-200-3BD18	-	-	-	-	-	-	-
<b>MTA-BASE-W449T</b>	<-->	449T	94	MTC-250-3D18 MTC-300-3D18	-	-	-	-	-	-	-

# STABLE Motor Slide Bases

## Dimensions – Mounting Slide Bases for NEMA Motors



Dimensions [inches, except as noted] - STABLE Motor Slide Bases

MTA-BASE-Wxxxx	A	B	C	D	E	F	G	H	I	J	K(mm)	L	M	N	W
<b>56</b>	10-5/8	6-1/2	1-1/8	4-1/2	2-7/16	1-1/2	3-13/16	2-7/8	3/8	3	2 mm	7/8	5/16 x 1	3/8 x 4	n/a
<b>143T</b>	10-1/2	7-1/2	1-1/8	5-1/2	2-3/4	2	3-3/4	3-3/8	3/8	3	3 mm	13/16	5/16 x 1	3/8 x 4	n/a
<b>145T</b>	10-1/2	8-1/2	1-1/8	6-1/2	2-3/4	2-1/2	3-3/4	3-7/8	3/8	3	3 mm	13/16	5/16 x 1	3/8 x 4	n/a
<b>182T</b>	12-3/4	9-1/2	1-1/2	6-1/2	3-3/4	2-1/4	4-1/2	4-1/4	1/2	3	3.5 mm	1-1/2	3/8 x 1-3/4	1/2 x 6	4-1/2
<b>184T</b>	12-3/4	10-1/2	1-1/2	7-1/2	3-3/4	2-3/4	4-1/2	4-3/4	1/2	3	3.5 mm	1-1/2	3/8 x 1-3/4	1/2 x 6	5-1/2
<b>213T</b>	15	11	1-3/4	7-1/2	4-1/4	2-3/4	5-1/4	4-3/4	1/2	3-1/2	3.8 mm	1-1/2	3/8 x 1-3/4	1/2 x 6	5-1/2
<b>215T</b>	15	12-1/2	1-3/4	9	4-1/4	3-1/2	5-1/4	5-1/2	1/2	3-1/2	3.8 mm	1-1/2	3/8 x 1-3/4	1/2 x 6	7
<b>254T</b>	17-3/4	15-1/8	2	10-3/4	5	4-1/8	6-1/4	6-5/8	5/8	4	4.6 mm	1-7/16	1/2 x 1-3/4	5/8 x 6	5-5/16
<b>256T</b>	17-3/4	16-7/8	2	12-1/2	5	5	6-1/4	7-1/2	5/8	4	4.6 mm	1-7/16	1/2 x 1-3/4	5/8 x 6	7
<b>284T</b>	19-3/4	16-7/8	2	12-1/2	5-1/2	4-3/4	7	7-1/2	5/8	4-1/2	4.6 mm	1-11/16	1/2 x 2	5/8 x 6	7
<b>286T</b>	19-3/4	18-3/8	2	14	5-1/2	5-1/2	7	8-1/4	5/8	4-1/2	4.6 mm	1-11/16	1/2 x 2	5/8 x 6	8
<b>324T</b>	22-3/4	19-1/4	2-1/2	14	6-1/4	5-1/4	8	8-1/2	3/4	5-1/4	4.6 mm	2-3/16	5/8 x 2-1/2	3/4 x 9	7
<b>326T</b>	22-3/4	20-3/4	2-1/2	15-1/2	6-1/4	6	8	9-1/4	3/4	5-1/4	4.6 mm	2-3/16	5/8 x 2-1/2	3/4 x 9	8-1/2
<b>364T</b>	25-1/2	20-1/2	2-1/2	15-1/2	7	5-5/8	9	9-1/8	3/4	6	5.8 mm	2-1/16	5/8 x 2-1/2	3/4 x 9	7-3/4
<b>365T</b>	25-1/2	21-1/2	2-1/2	16-1/2	7	6-1/8	9	9-5/8	3/4	6	5.8 mm	2-1/16	5/8 x 2-1/2	3/4 x 9	8-3/4
<b>404T</b>	28-3/4	22-3/8	3	16-1/2	8	6-1/8	10	9-7/8	7/8	7	5.8 mm	2-1/2	3/4 x 3	3/4 x 11	8-3/4
<b>405T</b>	28-3/4	23-7/8	3	18	8	6-7/8	10	10-5/8	7/8	7	5.8 mm	2-1/2	3/4 x 3	3/4 x 11	10-1/4
<b>444T</b>	31-1/4	24-5/8	3	19-1/4	9	7-1/4	11	11	7/8	7-1/2	5.8 mm	2-1/2	3/4 x 3	3/4 x 11	11
<b>445T</b>	31-1/4	26-5/8	3	21-1/4	9	8-1/4	11	12	7/8	7-1/2	5.8 mm	2-1/2	3/4 x 3	3/4 x 11	13
<b>447T</b>	31-1/4	30-1/8	3	24-3/4	9	10	11	13-3/4	7/8	7-1/2	8 mm	3	3/4 x 3-1/2	3/4 x 11	16-1/2
<b>449T</b>	31-1/4	35-1/8	3	29-3/4	9	12-1/2	11	16-1/4	7/8	7-1/2	8 mm	3	3/4 x 3-1/2	3/4 x 11	21-1/2