

Black Max[®] Vector Duty Motors

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



Features

- Class F MAX GUARD[®] 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[®] EM bearing grease
- C-Face with rigid base, except 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, CSA Certified, and CE Mark
- Three year warranty (through Marathon Electric)

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.

Black Max® 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.
** Certain heavy and oversized items can be shipped only via LTL.*
Check our web site for current shipping method constraints by part number.

230/460V Motor Specifications										
Part Number *	Price	HP	Base RPM	Volts	Enclosure	NEMA Frame	Model No.	F.L. Amps	Weight (lb) *	Footnotes
Y592	\$268.00	1/4	1800	230/460	TENV	56C	56H17T2001	1.2 / 0.6	19	T, S, 13
Y534	\$335.00	1/2	1800	230/460	TENV	56C	56H17T5301	1.6 / 0.8	28	T, S, 6, 13
Y535	\$400.00	1	1800	230/460	TENV	56C	56H17T5302	3.0 / 1.5	41	T, S, 6, 13
Y536	\$410.00	1	1800	230/460	TENV	143TC	143THTR5326	3.0 / 1.5	43	T, S, 6, 13
Y537	\$475.00	1	1200	230/460	TENV	145TC	145THTR5376	3.8 / 1.9	49	T, S, 6, 13
Y538	\$498.00	1-1/2	1800	230/460	TENV	145TC	145THTR5326	4.8 / 2.4	50	T, S, 6, 13
Y551	\$688.00	2	1800	230/460	TENV	145TC	145THTN6046	6.0 / 3.0	72	T, CI
Y540	\$983.00	2	1200	230/460	TENV	184TC	184THTL7776	6.6 / 3.3	88	T, AL
Y541A	\$867.00	3	1800	230/460	TENV	182TC	182THTY7726	8.2 / 4.1	110	T, AL
Y542	\$1,211.00	3	1200	230/460	TENV	213TC	213THTL7776	9.4 / 4.7	118	T, AL
Y543A	\$1,038.00	5	1800	230/460	TENV	184TC	184THTY7726	13.4 / 6.7	125	T, AL
Y544	\$1,473.00	5	1200	230/460	TENV	215TC	215THTL7776	15.4 / 7.7	138	T, AL
Y545	\$1,336.00	7-1/2	1800	230/460	TENV	213TC	213THTL7726	21.0 / 10.5	146	T, AL
Y546	\$1,981.00	7-1/2	1200	230/460	TENV	254TC	254THTL5776	22.0 / 11.0	209	T, AL
Y547	\$1,598.00	10	1800	230/460	TENV	215TC	215THTL7726	27.0 / 13.5	159	T, AL
Y548	\$2,243.00	10	1200	230/460	TENV	256TC	256THTL5776	28 / 14	203	T, AL
Y549	\$1,901.00	15	1800	230/460	TENV	254TC	254THTL5726	40 / 20	250	T, AL, I
Y552	\$2,776.00	20	1800	230/460	TENV	256TC	256THTNA7026	52 / 26	300	T, I, CI
Y553	\$3,019.00	25	1800	230/460	TENV	284TC	284THTNA7026	62 / 31	495	T, I, CI
Y393	\$3,019.00	30	1800	230/460	TENV	286TC	286THTNA7026	74 / 37	575	T, I, CI

*** Refer to the Motor Shipping Schedule table for shipping information.**

Footnotes: 6 Bolt-on, removable base for footless mounting option 13 F1 Mounting Only, cannot modify to F2 AL Aluminum Frame Construction	Footnotes (continued): CI Cast Iron Frame Construction I Intermittent duty from 90-120 Hz operation S Steel Frame Construction	Footnotes (continued): T Thermostat overload
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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.

Black Max® Vector Duty Motors

Motor Shipping Schedule

Same or one day	Up to 7 days	Up to 10 days
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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	\$335.00	1/2	1800	575	TENV	56C	56H17T5311	0.64	28	T, S, 6, 13
Y556	\$400.00	1	1800	575	TENV	56C	56H17T5312	1.2	41	T, S, 6, 13
Y557	\$688.00	2	1800	575	TENV	145TC	145THTN6060	2.4	72	T, CI
Y558A	\$852.00	3	1800	575	TENV	182TC	182THTY7736	3.3	110	T, AL
Y559A	\$1,017.00	5	1800	575	TENV	184TC	184THTY7736	5.4	125	T, AL
Y560	\$1,336.00	7-1/2	1800	575	TENV	213TC	213HTL7736	8.4	146	T, AL
Y561	\$1,598.00	10	1800	575	TENV	215TC	215HTL7736	10.8	159	T, AL
Y562	\$1,901.00	15	1800	575	TENV	254TC	254HTL5736	16.0	250	T, AL, I
Y563	\$2,776.00	20	1800	575	TENV	256TC	256HTNA7036	20.8	300	T, CI, I

Footnotes:
 6 Bolt-on, removable base for footless mounting option
 13 F1 Mounting Only, cannot modify to F2
 AL Aluminum Frame Construction

Footnotes (continued):
 CI Cast Iron Frame Construction
 I Intermittent duty from 90-120 Hz operation
 S Steel Frame Construction

Footnotes (continued):
 T Thermostat overload

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.

Motor with Shaft-Mounted Encoder*

A Dynapar Model HS35 shaft-mounted encoder can be supplied pre-installed on the motors 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 GS3 DURApulse AC drive, a GS3-FB Feedback Card is required for the drive.

Motor Accessories

Part Number	Price	Description *
A772	\$808.00	Encoder kit, replacement, for Black Max encoder motors. Dynapar HS35 encoder, 5–26 VDC input, Line Driver output, 1024 pulses per revolution, 5/8-in bore.

* Replacement/spare encoder kit for Black Max Yxxx-A772 motors; can also be field installed on Black Max Yxxx motors without encoders.

Motor with Pre-installed Shaft-Mounted Encoder

230/460V Motors						575V Motors		
Part Number	Price	HP	Part Number	Price	HP	Part Number	Price	HP
Y592-A772	\$1,166.00	1/4	Y544-A772	\$2,371.00	5	Y557-A772	\$1,586.00	2
Y534-A772	\$1,233.00	1/2	Y545-A772	\$2,234.00	7-1/2	Y558A-A772	\$1,750.00	3
Y535-A772	\$1,298.00	1	Y546-A772	\$2,879.00	7-1/2	Y559A-A772	\$1,916.00	5
Y536-A772	\$1,308.00	1	Y547-A772	\$2,496.00	10	Y560-A772	\$2,234.00	7-1/2
Y537-A772	\$1,373.00	1	Y548-A772	\$3,141.00	10	Y561-A772	\$2,491.00	10
Y538-A772	\$1,396.00	1-1/2	Y549-A772	\$2,800.00	15	Y562-A772	\$2,800.00	15
Y551-A772	\$1,586.00	2	Y552-A772	\$3,674.00	20	Y563-A772	\$3,674.00	20
Y540-A772	\$1,881.00	2	Y553-A772	\$3,917.00	25			
Y541A-A772	\$1,776.00	3	Y393-A772	\$4,303.00	30			
Y542-A772	\$2,110.00	3	Y555-A772	\$1,233.00	1/2			
Y543A-A772	\$1,948.00	5	Y556-A772	\$1,298.00	1			

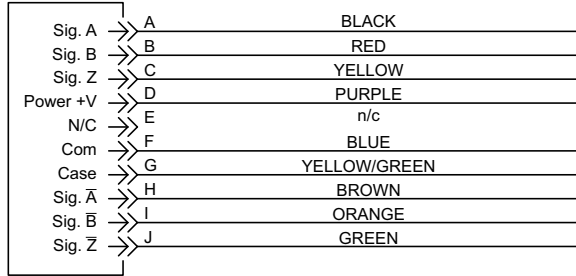
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Black Max® Vector Duty Motors

Encoder Connector Pinout

Note: A mating connector is supplied with the encoder.
 Rewired cables TRDA-25CBL-VWD-xx (10, 20, & 30 ft) and replacement MS connectors TRDA-25CON-VWD are available from AutomationDirect.

Dynapar HS35 Encoder PIN TRDA-25CBL-VWD-xx Cable Wire Color



Cable TRDA-25CBL-VWD-xx is available separately from AutomationDirect.

Connections to equipment determined by customer.

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 ²)	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
Y541A	3	1755	4.1	2.3	9.0	49.3	3515	5400	87.5	78.5	0.420	1.578	1.802	2.838	2.091	94.13
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
Y543A	5	1760	6.7	3.2	14.9	61.5	3520	5400	89.5	79	0.520	1.428	1.05	2.09	3.379	63.334
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	4200	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	5400	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.

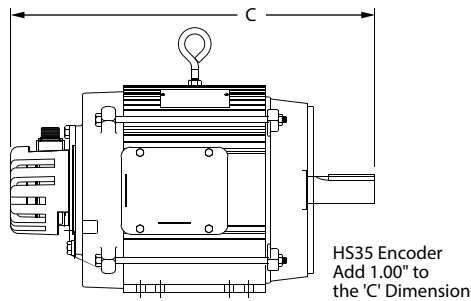
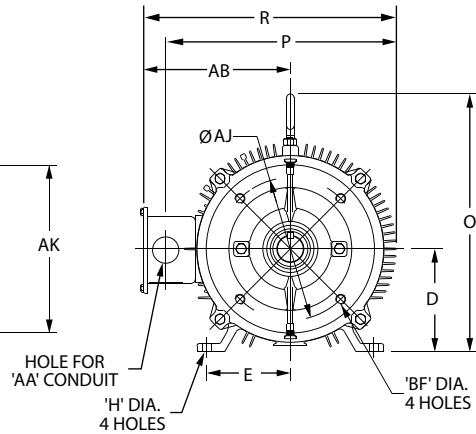
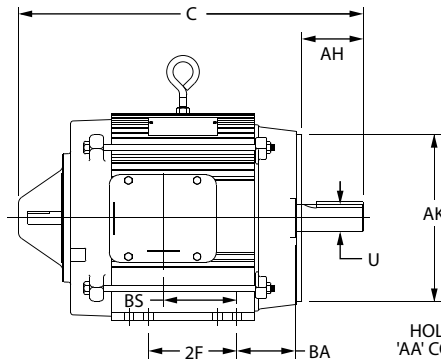
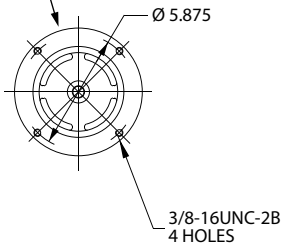
Black Max[®] Vector Duty Motors

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 ²)	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
Y558A	3	1755	3.3	1.8	9.0	49.3	3515	5400	87.5	78.5	0.42	1.578	1.802	2.838	2.091	94.13
Y559A	5	1760	5.4	2.6	14.9	61.5	3520	5400	89.5	79	0.52	1.4288	1.0489	2.092	3.379	63.3339
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	4200	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.

Motor Dimensions

N/A for NEMA frames 56C, 143TC, 145TC, which have the same C-face on both ends



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

Black Max® Vector Duty Motors

Motor Dimensions

Black Max Vector Duty Motors Dimensions [Inches]																					
Part #		NEMA Frame	Frame Construct	C	D	E	2F	H	O	P	R	U	AA	AB	AH	AJ	AK Max	BA	BF	BS	Key
230/460V	575V																				
Y592	-	56C	Rolled Steel	11.88	3.50	2.44	3.00	0.34	6.35	5.69	7.21	.625	None	4.37	2.06	5.875	4.500	2.75	3/8-16	2.84	.19x.19x1.38
Y534	Y555	56C	Rolled Steel	13.48	3.50	2.44	3.00	0.35	6.71	6.42	8.77	.625	None	5.56	2.06	5.875	4.500	2.75	3/8-16	3.75	.19x.19x1.38
Y535	Y556	56C	Rolled Steel	14.98	3.50	2.44	3.00	0.35	6.71	6.42	8.77	.625	None	5.56	2.06	5.875	4.500	2.75	3/8-16	5.25	.19x.19x1.38
Y536	-	143TC	Rolled Steel	15.04	3.50	2.75	4.00	0.35	6.71	6.42	8.46	.875	None	5.25	2.12	5.875	4.500	2.75	3/8-16	4.93	.19x.19x1.38
Y537	-	145TC	Rolled Steel	16.04	3.50	2.75	5.00	0.35	6.71	6.42	8.46	.875	None	5.25	2.12	5.875	4.500	2.75	3/8-16	5.93	.19x.19x1.38
Y538	-	145TC	Rolled Steel	16.04	3.50	2.75	5.00	0.35	6.71	6.42	8.46	.875	None	5.25	2.12	5.875	4.500	2.75	3/8-16	5.93	.19x.19x1.38
Y551	Y557	145TC	Cast Iron	14.68	3.50	2.75	5.00	0.37	7.45	7.98	11.03	.875	None	7.04	2.12	5.875	4.500	2.62	3/8-16	3.81	.19x.19x1.38
Y541A	-	182TC	Aluminum	16.19	4.50	3.75	4.50	0.43	10.44	10.13	11.40	1.1250	1.13	6.49	2.62	7.25	8.500	3.50	1/2-13	3.0	.25x.25x1.75
-	Y558A	182TC	Aluminum	16.19	4.50	3.75	4.50	0.43	10.44	10.13	11.40	1.1250	1.13	6.49	2.62	7.25	8.500	3.50	1/2-13	3.00	.25x.25x1.75
Y540	-	184TC	Aluminum	16.94	4.50	3.75	5.50	0.44	11.22	9.74	12.07	1.125	1.09	7.19	2.62	7.25	8.500	3.50	1/2-13	2.75	.25x.25x1.75
Y543A	-	184TC	Aluminum	17.69	4.50	3.75	5.50	0.43	10.44	10.13	11.40	1.1250	1.13	6.49	2.62	7.25	8.500	3.50	1/2-13	3.75	.25x.25x1.75
-	Y559A	184TC	Aluminum	17.69	4.50	3.75	5.50	0.43	10.44	10.13	11.40	1.1250	1.13	6.49	2.62	7.25	8.500	3.50	1/2-13	3.75	.25x.25x1.75
Y542	-	213TC	Aluminum	19.04	5.22	4.25	5.50	0.47	12.47	10.75	12.78	1.375	1.34	7.39	3.12	7.25	8.500	4.25	1/2-13	4.05	.31x.31x2.38
Y545	Y560	213TC	Aluminum	20.54	5.22	4.25	5.50	0.47	12.47	10.75	12.78	1.375	1.34	7.39	3.12	7.25	8.500	4.23	1/2-13	5.55	.31x.31x2.38
Y544	-	215TC	Aluminum	20.54	5.22	4.25	7.00	0.47	12.47	10.75	12.78	1.375	1.34	7.39	3.12	7.25	8.500	4.23	1/2-13	5.55	.31x.31x2.38
Y547	Y561	215TC	Aluminum	23.04	5.22	4.25	7.00	0.47	12.47	10.75	12.78	1.375	1.34	7.39	3.12	7.25	8.500	4.25	1/2-13	8.05	.31x.31x2.38
Y546	-	254TC	Aluminum	25.37	6.22	5.00	8.25	0.56	13.46	10.75	13.75	1.625	1.75 & 2.0	8.38	3.75	7.25	8.500	4.25	1/2-13	8.85	.38x.38x2.88
Y549	Y562	254TC	Aluminum	26.87	6.22	5.00	8.25	0.56	13.46	N/A	13.54	1.625	1.75 & 2.0	8.17	3.75	7.25	8.500	4.75	1/2-13	10.40	.38x.38x2.88
Y548	-	256TC	Aluminum	26.87	6.22	5.00	10.00	0.56	13.46	N/A	13.54	1.625	1.75 & 2.0	8.17	3.75	7.25	8.500	4.75	1/2-13	10.40	.38x.38x2.88
Y552	Y563	256TC	Cast Iron	27.13	6.22	5.00	10.00	0.56	16.49	14.32	17.84	1.625	1.25	10.68	3.79	7.25	8.500	4.75	1/2-13	4.75	.38x.38x2.88
Y553	-	284TC	Cast Iron	27.08	7.00	5.50	9.50	0.56	15.57	15.89	21.26	1.875	2.00	13.31	4.38	9.0	10.500	4.75	3/8-16	4.75	.50x.50x3.25
Y393	-	286TC	Cast Iron	28.58	7.00	5.50	11.00	0.56	15.57	15.89	21.26	1.875	2.00	13.31	4.38	9.0	10.500	4.75	3/8-16	5.50	.50x.50x3.25

Note: Dimensions are for reference only. For complete dimensional information, refer to Marathon Electric at www.marathonelectric.com.

STABLE™ Motor Slide Bases

Mounting Slide Bases for 56 to 449T NEMA Motors Features

- Allows adjustment of motor mounting position
- Slide direction is perpendicular to motor shaft
- 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
- Nuts and washers are provided for securing the motor to the slide base



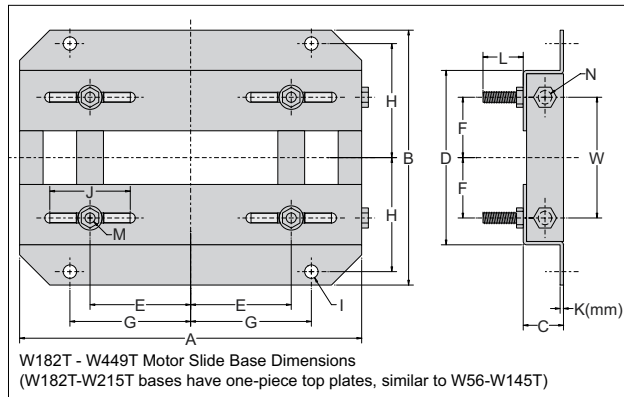
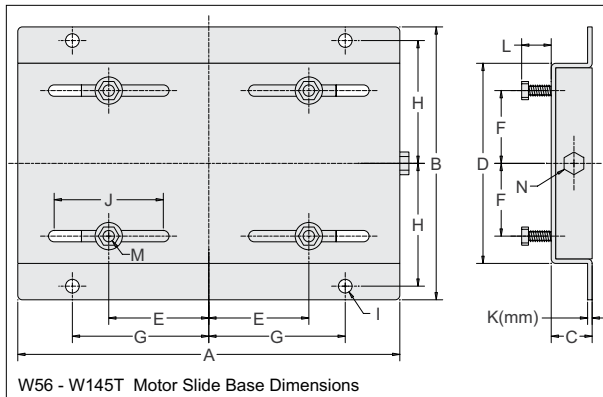
STABLE Motor Slide Bases												
Part Number	Price	Fits Frame Type	Product Weight (lb)	Fits Motor								
				IronHorse	Marathon						Blue Chip XRI 230/460V	Blue Chip XRI 575V
					micro-MAX	MAX+	Black Max 230/460V	Black Max 575V	Blue Max	NEMA Premium XRI		
MTA-BASE-W56*	\$9.75	56*	2.8	MTPM-P3x-1x18 MTPM-P5x-1x18 MTPM-P7x-1x18 MTPM-0xx-1x18 MTPM-1xx-1x18 MTR(2)(P)-xxx-xxxx*	Y500 Y502 Y360 Y362 Y364	Y280 Y281 Y282	Y592(-A772) Y534(-A772) Y535(-A772)	Y555(-A772) Y556(-A772)	-	E2000	-	
MTA-BASE-W143T	\$18.00	143T/TC	4.6	MTCP-001-3BD18(C)(CK) MTCP-1P5-3BD36	-	-	Y536(-A772)	-	-	E2001A E2003	-	
MTA-BASE-W145T	\$18.00	145T/TC	5.1	MTCP-001-3BD12 MTCP-1P5-3BD18(C)(CK) MTCP-002-3BD18(C)(CK) MTCP-002-3BD36	Y366 Y368	Y284 Y285	Y537(-A772) Y538(-A772) Y551(-A772)	Y557(-A772)	-	E2002 E2004A E2006 E2007A	-	
MTA-BASE-W182T	\$24.00	182T/TC	9.2	MTCP-1P5-3BD12 MTCP-003-3BD18(C)(CK) MTCP-003-3BD36 MTF-002-1C18-182	Y1999	Y286A	Y541A(-A772)	Y558A(-A772)	-	E2005 E2009 E2010	-	
MTA-BASE-W184T	\$24.00	184T/TC	10	MTCP-002-3BD12 MTCP-005-3BD18(C)(CK) MTCP-005-3BD36 MTF-00x-1C18	Y1372	Y287A	Y540(-A772) Y543A(-A772)	Y559A(-A772)	-	E2008 E2012 E2013	-	
MTA-BASE-W213T	\$35.00	213T/TC	13	MTCP-003-3BD12 MTCP-7P5-3BD18(C)(CK) MTCP-7P5-3BD36	Y994	-	Y542(-A772) Y545(-A772)	Y560(-A772)	-	E2011 E2015 E2016A	-	
MTA-BASE-W215T	\$35.00	215T/TC	15	MTCP-005-3BD12 MTCP-010-3BD18(C)(CK) MTCP-010-3BD36	Y996	-	Y544(-A772) Y547(-A772)	Y561(-A772)	-	E2014 E2018 E2019A	-	
MTA-BASE-W254T	\$49.00	254T/TC	18	MTCP-7P5-3BD12 MTCP-015-3BD18(C)(CK) MTCP-015-3BD36	-	-	Y546(-A772) Y549(-A772)	Y562(-A772)	-	-	E205 E307	
MTA-BASE-W256T	\$49.00	256T/TC	19	MTCP-010-3BD12 MTCP-020-3BD18(C)(CK) MTCP-20-3BD36	-	-	Y548(-A772) Y552(-A772)	Y563(-A772)	-	-	E206 E308	
MTA-BASE-W284T	\$54.00	284T/TC	20	MTCP-015-3BD12 MTCP-025-3BD18(C)(CK)	-	-	Y553(-A772)	-	-	-	E207 E309	
MTA-BASE-W286T	\$54.00	286T/TC	21	MTCP-20-3BD12 MTCP-030-3BD18(C)(CK)	-	-	Y393(-A772)	-	-	-	E208 E310	
MTA-BASE-W324T	\$81.00	324T/TC	30	MTCP-040-3BD18(C)(CK)	-	-	-	-	Y571(-A774) Y513(-A775)	-	E209 E311	
MTA-BASE-W326T	\$81.00	326T/TC	31	MTCP-050-3BD18(C)(CK)	-	-	-	-	Y572(-A774) Y514(-A775)	-	E210 E312	
MTA-BASE-W364T	\$110.00	364T/TC	43	MTCP-060-3BD18(C)(CK)	-	-	-	-	Y573(-A774) Y515(-A775)	-	E211 E313	
MTA-BASE-W365T	\$110.00	365T/TC	43	MTCP-075-3BD18(C)(CK)	-	-	-	-	Y574(-A774) Y516(-A775)	-	E212 E315	
MTA-BASE-W404T	\$136.00	404T/TC	58	-	-	-	-	-	-	-	-	
MTA-BASE-W405T	\$136.00	405T/TC	60	MTCP-100-3BD18(C)(CK)	-	-	-	-	Y575(-A774) Y517(-A775)	-	E213 E314	
MTA-BASE-W444T	\$157.00	444T	63	MTCP-125-3BD18	-	-	-	-	-	-	-	
MTA-BASE-W445T	\$157.00	445T	65	MTCP-150-3BD18	-	-	-	-	-	-	-	
MTA-BASE-W447T	\$207.00	447T	89	MTCP-200-3BD18	-	-	-	-	-	-	-	
MTA-BASE-W449T	\$207.00	449T	94	MTC-250-3D18** MTC-300-3D18**	-	-	-	-	-	-	-	

* IronHorse MTR2 56HC motors have double-punched bases to fit on slide base MTA-BASE-W56.

** Motors MTC-250-3D18 and MTC-300-3D18 are obsolete, and no longer available.

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
56	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
143T	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
145T	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
182T	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
184T	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
213T	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
215T	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
254T	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
256T	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
284T	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
286T	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
324T	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
326T	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
364T	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
365T	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
404T	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
405T	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
444T	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
445T	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
447T	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
449T	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