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**BlackMAX**

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**1/4 - 30 HP**

BlackMAX inverter (Vector) duty motors offer 1000:1 constant torque (TENV). This three phase motor is designed for inverter or vector applications where up to 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.

Flyer

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**Models & Ratings**

HP	RPM	Volts	NEMA Frame	F.L. Amps	Weight (lb)	Model Number	Foot Notes
1/4	1800	230/460	56C	1.2/0.6	19	MTRY592	S, 13
1/2	1800	230/460	56C	1.6/0.8	35	MTRY534	S, 6, 13
1	1800	230/460	56C	3.0/1.5	39	MTRY535	S, 6, 13
	1800	230/460	143TC	3.0/1.5	48	MTRY536A	S, 6, 13
1.5	1800	230/460	145TC	4.8/2.4	50	MTRY538A	S, 6, 13
2	1800	230/460	145TC	6.0/3.0	73	MTRY551	CI
	1800	230/460	145TC	6.0/3.0	65	MTRY612A	S, 6, 13
3	1800	230/460	182TC	8.4/4.1	95	MTRY541A	AL
5	1800	230/460	184TC	13.4/6.7	110	MTRY543A	AL
7.5	1800	230/460	213TC	21.0/10.5	146	MTRY545	AL
10	1800	230/460	215TC	27.0/13.5	219	MTRY547	AL
15	1800	230/460	254TC	40.0/20.0	260	MTRY549	AL, ID
20	1800	230/460	256TC	52.0/26.0	300	MTRY552	CI
25	1800	230/460	284TC	62.0/31.0	379	MTRY553	ID, CI
30	1800	230/460	286TC	74.0/37.0	575	MTRY393	ID, CI

**Options:**

F2	F2-mount conduit box
D	Dynapar HS35 1024ppr encoder
A1	Avtron HS35A 1024ppr encoder
L	Lakeshore / Northstar SL56 1024ppr encoder
M1	Avtron AV56 1024ppr encoder

**Footnotes:**

6	Bolt-on, removable base for footless mounting option
AL	Aluminum frame construction
CI	Cast iron construction
F1	F1 mounting only, cannot modify to F2
ID	Reduced HP from 90-120 Hz operation
S	Steel frame construction

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