

**BALDOR • RELIANCE**

**Inverter Motor,  
Three Phase,  
TENV, C-Face,  
Foot Mounted**

**1 thru 10 Hp**

**NEMA 143TC thru 254TC**

**Applications:** Conveyors, pumps and other equipment in food processing and other wet environments.



**Features:** Designed for inverter or vector applications where up to a 1000:1 constant torque speed range is required. Provisions for mounting optional HS25 encoder feedback devices shown on page 236 for use in closed loop velocity or position control. Meets NEMA MG 1, Part 31. 1.00 Service Factor. Class “H” insulated.

Hp	RPM	Max. RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	“C” Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	EISA Status (a)	Notes (a)
1	1800	6000	143TC	IDWNM3546T	1,367	E2	14.90	39	86.5	230/460	1.4	C	48
1 1/2	1800	4500	145TC	IDWNM3554T	1,506	E2	15.78	50	86.5	230/460	2.1	C	48
2	1800	6000	182TC	IDWNM3609T	1,659	E2	17.77	69	84	230/460	2.9	C	48
3	1800	6000	184TC	IDWNM3611T	1,807	E2	17.77	80	88.5	230/460	4	C	48
5	1800	4000	213TC	IDWNM3707T	2,045	E2	19.84	122	89.5	230/460	6.7	C	48
7 1/2	1800	5000	254TC	IDWNM22937T	3,168	E2	23.92	242	91	230/460	9.1	C	48
10	1800	5000	254TC	IDWNM22938T	3,710	E2	23.92	291	91.7	230/460	12	C	48

(a) See notes on inside back flap.

**1000:1 CONSTANT TORQUE SPEED RANGE.**

**Vector Motor,  
Three Phase,  
TENV, C-Face,  
Foot Mounted**

**1 thru 10 Hp**

**NEMA 143TC thru 254TC**

**Applications:** Material handling, packaging equipment in food processing and other wet environments.



**Features:** Designed for inverter or vector applications where up to a 1000:1 constant torque speed range is required. Motors include 1024 PPR HS25 encoder feedback with MS connector. Meets NEMA MG 1, Part 31. 1.00 Service Factor. Class “H” insulated.

Hp	RPM	Max. RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	“C” Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	EISA Status (a)	Notes (a)
1	1800	6000	143TC	ZDWNM3546T	2,739	E2	14.90	42	85.5	230/460	1.5	C	48
1 1/2	1800	4500	145TC	ZDWNM3554T	2,878	E2	15.78	55	86.5	230/460	2.1	C	48
2	1800	6000	182TC	ZDWNM3609T	3,031	E2	17.77	71	84	230/460	2.9	C	48
3	1800	6000	184TC	ZDWNM3611T	3,182	E2	17.77	79	88.5	230/460	4	C	48
5	1800	6000	213TC	ZDWNM3707T	3,419	E2	19.84	125	89.5	230/460	6.7	C	48
7 1/2	1800	5000	254TC	ZDWNM22937T	4,543	E2	23.92	240	91	230/460	9.1	C	48
10	1800	5000	254TC	ZDWNM22938T	5,085	E2	23.92	292	91.7	230/460	12	C	48

(a) See notes on inside back flap.

**1000:1 CONSTANT TORQUE SPEED RANGE.**

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes