

BALDOR • RELIANCE®

General Information

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

1000:1 CONSTANT TORQUE SPEED RANGE

1 thru 10 Hp

NEMA 143TC thru 254TC

Single Phase Motors



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 209 for use in closed loop velocity or position control. Meets NEMA MG 1, Part 31. 1.00 Service Factor. Class "H" insulated.

General Purpose Industrial Motors

Hp	RPM	Max. RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
1	1800	6000	143TC	IDWNM3546T	1,196	E2	14.90	39	86.5	230/460	1.4	
1 1/2	1800	6000	145TC	IDWNM3554T	1,318	E2	15.78	50	87.5	230/460	2.1	
2	1800	6000	182TC	IDWNM3609T	1,452	E2	17.77	69	84	230/460	2.9	
3	1800	6000	184TC	IDWNM3611T	1,582	E2	17.77	80	88.5	230/460	4	
5	1800	6000	213TC	IDWNM3707T	1,790	E2	19.84	119	89.5	230/460	6.7	
7 1/2	1800	5000	254TC	IDWNM22937T	2,774	E2	23.92	242	91	230/460	9.1	
10	1800	5000	254TC	IDWNM22938T	3,249	E2	23.92	291	91.7	230/460	12	

(a) See notes on inside back flap and pages 5-6.

Premium Efficient Super-E® Motors

Severe Duty Motors

Washdown Duty Motors

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

1000:1 CONSTANT TORQUE SPEED RANGE

1 thru 10 Hp

NEMA 143TC thru 254TC

Explosion Proof Motors



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.

Pump Motors

Hp	RPM	Max. RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
1	1800	6000	143TC	ZDWNM3546T	2,398	E2	14.90	42	86.5	230/460	1.4	46,77
1 1/2	1800	6000	145TC	ZDWNM3554T	2,520	E2	15.78	51	87.5	230/460	2.1	46,77
2	1800	6000	182TC	ZDWNM3609T	2,654	E2	17.77	67	84	230/460	2.9	46,77
3	1800	6000	184TC	ZDWNM3611T	2,786	E2	17.77	79	88.5	230/460	4	46,77
5	1800	6000	213TC	ZDWNM3707T	2,994	E2	19.84	125	89.5	230/460	6.7	46,77
7 1/2	1800	5000	254TC	ZDWNM22937T	3,978	E2	23.92	240	91	230/460	9.1	46,77
10	1800	5000	254TC	ZDWNM22938T	4,453	E2	23.92	292	91.7	230/460	12	46,77

(a) See notes on inside back flap and pages 5-6.

Commercial Motors

HVAC Motors