

V*S Master Severe Duty Vector Drive, Three Phase, Totally Enclosed

1/2 thru 50 Hp

NEMA 140T thru 320T

Applications: Conveyors, extruders, printing lines, converting, test stands, anywhere constant torque is required over a wide speed range. These Severe Duty motors are designed for harsh industrial environments by protecting motor components from moisture, chemicals, corrosion and abrasives.

Features: Designed specifically for Inverter operation where up to 1000:1 constant torque speed range is required. Includes 1024 ppr hollow shaft encoder and three thermostats. Uses Dynapar HSD38M encoder on 180 frame and up. Insulation system exceeds NEMA MG 1-2006, Part 31.4.4.2. Continuous constant torque to zero speed.



Hp	RPM	Max. RPM	NEMA Frame	Encl.	Catalog Number	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps	EISA Status (a)	Notes (a)
1	1800	6000	143TC	TENV	ZDVSNCP3581T	2,659	E2	14.61	62	230/460	1.5	C	2, 46, 48
1 1/2	1800	6000	145TC	TENV	ZDVSNCP3584T	2,777	E2	14.61	64	230/460	2.1	C	2, 46, 48
2	1800	6000	145TC	TENV	ZDVSNCP3587T	3,050	E2	14.61	71	230/460	2.7	C	2, 46, 48
3	1800	2700	182TC	TEFC	ZDVSCP3661T	3,440	E2	15.62	131	230/460	3.8	C	2, 46, 48
5	1800	2700	L184TC	TEFC	ZDVSCP3665T	3,733	E2	17.12	154	230/460	6.4	C	2, 46, 48
7 1/2	1800	2700	213TC	TEFC	ZDVSCP3770T	4,325	E2	19.25	198	230/460	9.6	C	2, 46, 48
10	1800	2700	L215TC	TEFC	ZDVSCP3774T	4,733	E2	20.12	216	230/460	12.4	C	2, 46, 48
15	1800	2700	254TC	TEFC	ZDVSCP2333T	5,662	E2	24.50	356	230/460	18.4	C	2, 46, 48
20	1800	2700	256TC	TEFC	ZDVSCP2334T	6,013	E2	24.50	364	230/460	25.5	C	2, 46, 48
25	1800	2700	284TC	TEFC	ZDVSCP4103T	7,192	E2	27.44	469	230/460	31	C	2, 46, 48
30	1800	2700	286TC	TEFC	ZDVSCP4104T	7,724	E2	27.44	479	230/460	38.1	C	2, 46, 48
40	1800	2700	324T	TEFC	ZDVSCP4110T	8,859	E2	30.44	737	230/460	49.8	C	2, 46, 48
50	1800	2700	326T	TEFC	ZDVSCP4115T	10,468	E2	30.44	746	230/460	62.5	C	2, 46, 48

(a) See notes on inside back flap.

CONTINUOUS CONSTANT TORQUE TO ZERO SPEED

■ Cast Iron Frame

V*S Master Encoder Feedback Kits

Encoder kits below feature 1024 pulses per revolution unless otherwise noted in the encoder type column. Connector styles include the MS twist lock (MS-TL), military style 10 pin screw tight (MS-ST), and the EPIC latch style (Latch). HS35, RAHS35M and HSD35 feature hollow shaft mounting. The HSD35 carry the Northstar brand. Encoder kits include the encoder and all mounting hardware. IDVSM & IDRPM kits include the mating connector.

Catalog Number	Motor Enclosure	Type	PPR	Frame Size	Mfg.	Mag or Optical	Conn Type	Input Voltage VDC	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
K99G72	TENV	HS35	1024	180T-250T	BEI	0	MS-ST	5-15	1,400	E8	6
K99G74	TENV	HS35-2048	2048	180T-250T	BEI	0	MS-ST	5-15	1,400	E8	6
K99G76	TENV	HS35	1024	180T-250T	BEI	0	MS-ST	5-24	1,400	E8	6
K99G70	TENV	RAHS35M	1024	180T-250T	Avtron	M	MS-ST	5-24	1,400	E8	9
K99G78	TENV	HSD35	1024	180T-250T	Dynapar	0	Latch	5-26	1,575	E8	8
K99G73	TEFC	HS35	1024	180T-440T	BEI	0	MS-ST	5-15	1,400	E8	6
K99G75	TEFC	HS35-2048	2048	180T-440T	BEI	0	MS-ST	5-24	1,400	E8	6
K99G77	TEFC	HS35	1024	180T-440T	BEI	0	MS-ST	5-24	1,400	E8	6
K99G71	TEFC	RAHS35M	1024	180T-440T	Avtron	M	MS-ST	5-24	1,400	E8	9
K99G79	TEFC	HSD35	1024	180T-440T	Dynapar	0	Latch	5-26	1,575	E8	8
K99G80	TENV	HS35	1024	180T-250T	BEI	0	MS-TL	5-28	1,400	E8	6
K99G81	TEFC	HS35	1024	180T-440T	BEI	0	MS-TL	5-28	1,400	E8	6

NOTE: For 56 and 140 IDVSM frame sizes use the kits from the IDM product table.

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