

**V*S Master
Inverter Drive,
Three Phase,
Totally Enclosed**

1/3 thru 300 Hp

NEMA 56C thru 449T

Applications: Conveyors, extruders, printing lines, converting, test stands, anywhere constant torque is required over a wide speed range.

Features: Designed specifically for Inverter operation where up to 1000:1 constant torque speed range is required. Includes provisions for stub shaft for hollow shaft encoder, three thermostats, and all 440T frames include an ODE insulated bearing. 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) |
|-------|------|----------|------------|-------|----------------|------------|------------|----------|----------------|---------|----------------|-----------------|-----------|
| 1/3 | 1800 | 6000 | 56C | TENV | IDVSNM3534 | 436 | E2 | 13.84 | 35 | 230/460 | 0.6 | C | 2, 48 |
| 1/2 | 1800 | 6000 | 56C | TENV | IDVSNM3538 | 510 | E2 | 13.84 | 35 | 230/460 | 0.8 | C | 2, 48 |
| 3/4 | 1800 | 6000 | 56C | TENV | IDVSNM3542 | 568 | E2 | 13.84 | 34 | 230/460 | 1.2 | C | 2, 48 |
| 1 | 1800 | 6000 | 56C | TENV | IDVSNM3546 | 924 | K | 14.84 | 45 | 230/460 | 1.4 | C | |
| | | | 143TC | TENV | IDVSNM3581T | 1,159 | E2 | 14.65 | 62 | 230/460 | 1.5 | C | 2, 48 |
| 1 1/2 | 1800 | 6000 | 145TC | TENV | IDVSNM3584T | 1,279 | E2 | 14.65 | 66 | 230/460 | 2.1 | C | 2, 48 |
| 2 | 1800 | 6000 | 145TC | TENV | IDVSNM3587T | 1,336 | E2 | 14.65 | 69 | 230/460 | 2.7 | C | 2, 48 |
| 3 | 1800 | 2700 | 182TC | TEFC | IDVSM3661T | 1,476 | E2 | 15.56 | 126 | 230/460 | 3.8 | C | 2, 48 |
| | | | 182TC | TENV | IDVSNM3661T | 1,518 | E2 | 14.69 | 126 | 230/460 | 3.8 | C | 2, 48 |
| 5 | 1800 | 2700 | L184TC | TEFC | IDVSM3665T | 1,711 | E2 | 17.12 | 144 | 230/460 | 6.4 | C | 2, 48 |
| | | | L184TC | TENV | IDVSNM3665T | 1,759 | E2 | 16.19 | 148 | 230/460 | 6.4 | C | 2, 48 |
| 7 1/2 | 1800 | 2700 | 213TC | TEFC | IDVSM3770T | 2,201 | E2 | 19.25 | 181 | 230/460 | 9.6 | C | 2, 48 |
| | | | L215TC | TENV | IDVSNM2237T | 2,263 | E2 | 19.25 | 175 | 230/460 | 9.2 | C | 2, 48 |
| 10 | 1800 | 2700 | L215TC | TEFC | IDVSM3774T | 2,870 | E2 | 20.12 | 200 | 230/460 | 12.4 | C | 2, 48 |
| | | | 254TC | TENV | IDVSNM2238T | 3,104 | E2 | 23.78 | 296 | 230/460 | 12.7 | C | 2, 48 |
| 15 | 1800 | 2700 | 254TC | TEFC | IDVSM2333T | 3,339 | E2 | 24.50 | 329 | 230/460 | 18.4 | C | 2, 48 |
| | | | 256TC | TENV | IDVSNM2333T | 3,734 | E2 | 23.78 | 331 | 230/460 | 18.7 | C | 2, 48 |
| 20 | 1800 | 2700 | 256TC | TEFC | IDVSM2334T | 3,620 | E2 | 24.50 | 356 | 230/460 | 25.5 | C | 2, 48 |
| 25 | 1800 | 2700 | 284TC | TEFC | IDVSM4103T | 4,597 | E2 | 27.44 | 437 | 230/460 | 31 | C | 2, 48 |
| 30 | 1800 | 2700 | 286TC | TEFC | IDVSM4104T | 5,022 | E2 | 27.44 | 450 | 230/460 | 38.1 | C | 2, 48 |
| 40 | 1800 | 2700 | 324T | TEFC | IDVSM4110T | 5,794 | E2 | 30.44 | 672 | 230/460 | 49.8 | C | 2, 48 |
| 50 | 1800 | 2700 | 326T | TEFC | IDVSM4115T | 7,081 | E2 | 30.44 | 627 | 230/460 | 62.5 | C | 2, 48 |
| 60 | 1800 | 2700 | 364T | TEFC | IDVSM4314T | 8,772 | E2 | 33.44 | 889 | 230/460 | 71.2 | C | 2, 48 |
| 75 | 1800 | 2700 | 365T | TEFC | IDVSM4316T | 10,986 | E2 | 33.44 | 888 | 230/460 | 89.2 | C | 2, 48 |
| 100 | 1800 | 2700 | 405T | TEFC | IDVSM4400T-4 | 14,198 | E2 | 38.31 | 1257 | 460 | 116 | C | 2, 48 |
| 125 | 1800 | 2700 | 444T | TEFC | IDVSM4410T-4 | 17,624 | E2 | 44.62 | 1657 | 460 | 150 | C | 2, 48 |
| 150 | 1800 | 2700 | 445T | TEFC | IDVSM4406T-4 | 21,033 | E2 | 44.62 | 1822 | 460 | 177 | C | 2, 48 |
| 200 | 1800 | 2700 | 447T | TEFC | IDVSM4407T-4 | 24,922 | E2 | 48.13 | 2275 | 460 | 226 | C | 2, 48 |
| 250 | 1800 | 2700 | 449T | TEFC | IDVSM4408T-4 | 35,224 | E2 | 53.13 | 2650 | 460 | 277 | C | 2, 48 |
| 300 | 1800 | 2700 | 449T | TEFC | IDVSM44304T-4 | 35,224 | E2 | 53.13 | 2808 | 460 | 338 | C | 2, 48 |

(a) See notes on inside back flap.

CONTINUOUS CONSTANT TORQUE TO ZERO SPEED

■ Cast Iron Frame

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