

Brushless AC Alternator

This industrial-grade brushless AC alternator is engineered for reliable power generation. It features robust construction, efficient cooling, and stable voltage output for demanding operating conditions.



ADDITIONAL IMAGES



Product Overview

Industrial Brushless Synchronous Alternator

This series of brushless synchronous alternators is engineered for reliable single and three-phase power generation in demanding industrial environments. Designed for continuous operation, these units are capable of maintaining a 100% load for 24 hours and can handle an 110% load for up to 2 hours. With Class H insulation and robust metallic construction, they provide stable voltage output and efficient cooling for a wide range of power applications.

Performance Highlights

Key Performance Metrics

100 %

Continuous Load Capacity

24 h

Continuous Run Time

110 %

Peak Load (2h)

Technical Specifications

Insulation Class

Class H (125°C/40°C)

Operating Frequencies

- 50Hz (1500rpm)
- 60Hz (1800rpm)

Three-Phase Connection Types

Series Star, Parallel Star, Series Delta

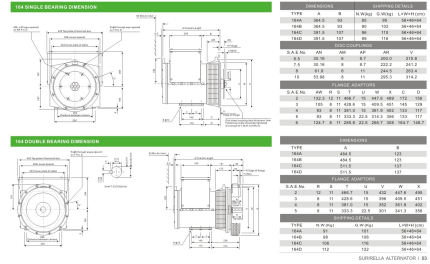
Model Performance Data

SWT-164 / DWT-164

SERIES BRUSHLESS SYNCHRONOUS ALTERNATORS


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TECHNICAL DATA											
Three-Phase Output (1500rpm)						Single-Phase Output (1500rpm)					
Frequency	300V	400V	415V	440V	480V	480V	220V	220V	240V	220V	220V
Series Star Connection	300	400	415	440	480	480	220	220	240	220	220
Parallel Star Connection	150	200	208	220	240	240	110	110	120	110	110
Series Delta Connection	200	270	285	300	330	330	NA	NA	NA	NA	NA
Parallel Delta Connection	100	135	143	150	165	165	NA	NA	NA	NA	NA
SWT-164A	6.1	8.1	8.1	8.8	10.2	10.2	4.0A	5.4	5.4	5.4	5.4
SWT-164B	6.5	8.5	8.5	9.2	10.6	10.6	4.3A	5.8	5.8	5.8	5.8
SWT-164C	7.7	10.2	10.2	11.0	12.6	12.6	5.0A	6.7	6.7	6.7	6.7
SWT-164D	8.8	11.6	11.6	12.4	14.4	14.4	5.8A	7.7	7.7	7.7	7.7
DWT-164A	6.1	8.1	8.1	8.8	10.2	10.2	4.0A	5.4	5.4	5.4	5.4
DWT-164B	6.5	8.5	8.5	9.2	10.6	10.6	4.3A	5.8	5.8	5.8	5.8
DWT-164C	7.7	10.2	10.2	11.0	12.6	12.6	5.0A	6.7	6.7	6.7	6.7
DWT-164D	8.8	11.6	11.6	12.4	14.4	14.4	5.8A	7.7	7.7	7.7	7.7



164 SINGLE BEARING DIMENSION
 Dimensions: T, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.

Detailed technical specifications, wiring configurations, and dimensional drawings for the 164 series brushless alternators.

Three-Phase Performance (50Hz / 1500rpm)

Model	Rating (kVA)	Power (kW)	Efficiency (%)
164A	8.1	6.5	75.5
164B	11	8.8	78.7
164C	13.5	10.8	80.1
164D	16	12.8	81

Physical & Shipping

Shipping Box Dimensions	56 x 46 x 64 cm
Net Weight Range	85kg - 112kg

Construction

Mechanical Features

- Single and Double Bearing options
- Disc Couplings
- Flange Adaptors (SAE No. 2, 3, 4, 5, 6)
- Integrated AVR
- Efficient Cooling Louvers