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3. Type test report is invalid without signatures of test, verification, approval, without approval certificate of type test institute number or is\$ A

Lift type test rap 011 012 013 014 015 016 017 018 019 020 021 022 023 024 025 026 027 028 029 030 031 032 033 034 035 036 037 038 039 040 041 042 043 044 045 046 047 048 049 050 051 052 053 054 055 056 057 058 059 060 061 062 063 064 065 066 067 068 069 070 071 072 073 074 075 076 077 078 079 080 081 082 083 084 085 086 087 088 089 090 091 092 093 094 095 096 097 098 099 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 102

Category of product Major component
Equipment Engineering machine
Use of product Traction motor
Use of product
Production date 2023-04-21

Unified social credit code of manufacturer 210112715754447D

Applicant Hunan Bluelight Drive Technology Co., Ltd.

Address NO.37 Shiji Road, Hunnan New District, Shenyang, China

Unified social credit code of manufacturer 210112715754447D

Manufacturer Hunan Bluelight Drive Technology Co., Ltd.

Address of manufacturer NO.37 Shiji Road, Hunnan New District, Shenyang, China

Manufacturing address NO.37 Shiji Road, Hunnan New District, Shenyang, China

Test place NETEC

Receiving date 2023-05-04 Sample number Y2023-0501

Sample state No abnormal Category of type test First test

Test date 2023-07-25

Test condition Ambient temperature: 29.3 ~36.7 , relative humidity

12 17 18

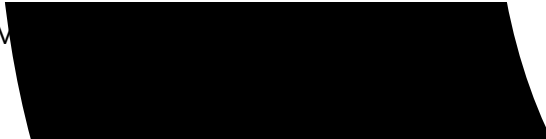
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1 Technical parameters and configuration of the sample

Name of product	Lift traction machine
Model of product	WYT-Y
Structure type of driving machine	Horizontal type, no reducer device, driving sheave cantilever support, the output shaft is supported in two points
Rated speed	8.00 m/s
Rated output torque	1650 N·m
Allowed radial load of driving sheave shaft	12000 kg
Centerline height of output shaft (applicable to machine without gear reducer)	330 mm
Manual emergency operation device	Releasing brake handle + hand winding wheel

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Technical parameters and configuration of the sample (continued)

Gear reducer	Structure type	/
	Reduction gear ratio	/
	Reduction steps	/
	Center (cone) distance	/
	Shaft angle	/
	Specifications of lubricating oil	/
	Material of transmission interface	/
Driving sheave	Number of suspension mean	6
	Type of grooves/ Shape of traction surface	Semicircular groove with cut

1 Technical parameters and configuration of the sample (continued)

Brake	Model	DZE
	Action position	Traction sheave
	Numbers and structure type	2 sets, brake arm drum type
	Insulation grade	F
	Rated working voltage of electromagnet	DC 200 V
	Diameter of brake sheave or inner and outer diameter of friction part of brake disc	620 mm
	Explosion protection type	/
	Explosion protection grade	/
	Rated working pressure of hydraulic brake release device	/
	Rated sustaining voltage/current of electromagnet	DC 100 V
Applicable driving system	Speed control mode	AC variable frequency control
	Type of speed controller	Frequency inverter
	Type of speed feedback device	Rotary encoder

2 Check the technical documents

No.	Items No.	Check items	Check results	Conclusion
1	X5.1	Conformity certificate document and relative technical documents	Comply with requirements	Pass
2	X5.2	Calculation documents	Comply with requirements	Pass
3	X5.3	Major design drawings	Comply with requirements	Pass

3 Check and test the sample

No.	Items No.	Check and test items	Check and test results	Conclusion
1	X6.1.1	Insulation resistance of stator winding	Comply with requirements	Pass
2	X6.1.2	Withstand voltage test of motor	Comply with requirements	Pass
3	X6.2.1	Type of the braking system	Comply with requirements	Pass
4	X6.2.2	All mechanical components of the brake installed at least in two sets	Comply with requirements	Pass
5	X6.2.3	Braking pressure of the braking system	Comply with requirements	Pass
6	X6.2.4	Braking torque of lift machine	Comply with requirements	Pass
7	X6.2.5	Activating and releasing voltage of electromagnet brake	Rated voltage: DC 200 V Activating voltage: DC 86 V, 43.0%U _{-rated} Comply with requirements	Pass
			Maximum releasing voltage: DC 32 V, 16.0%U _{-rated} Comply with requirements	
			Minimum releasing voltage: DC 29 V, 14.5%U _{-rated} Comply with requirements	
8	X6.2.6	Response time of activating		

No.	Items No.	Check and test items	Check and test results	Conclusion
14	X6.3.1	Working surface run-out in normal direction of the surface of the traction sheave	Comply with requirements	Pass
15	X6.3.2	The pitch diameter difference of each groove of the traction sheave	Comply with requirements	Pass
16	X6.3.3	Hardness of the grooves of the traction sheave of the machine	Hardness HBW: 1) 233 2) 230 3) 232 4) 243 Deviation: 13 Comply with requirements	Pass
17	X6.4	Gear reducer	/	/
18	X6.5.1	Temperature rise	Motor stator winding temperature rise: 86.6 K Brake coil temperature rise: 53.7 K Comply with requirements	Pass
19	X6.5.2	Running noise of the driving machine	Noise dB(A): Front: 61.3 Back: 60.7 Left: 60.3 Right: 59.6 Upside: 59.2 Background: 43.6 Comply with requirements	Pass
20	X6.5.3	Vibration speed with no load of the lift machine for traction lift	Comply with requirements	Pass
21	X6.5.4	Speed	Rated speed v_{rated} : 8.00 m/s Running speed: 8.015 m/s 100.2% v_{rated} Comply with requirements	Pass
22	X6.5.5	Appearance	Comply with requirements	Pass
23	X6.5.6	Working speed	Comply with requirements	Pass

