5580 Enterprise Parkway, Fort Myers, FL 33905
Office: 239-694-0089 Fax: 239-694-0031
www.mcscontrols.com

# Technical Bulletin

2024/8/28

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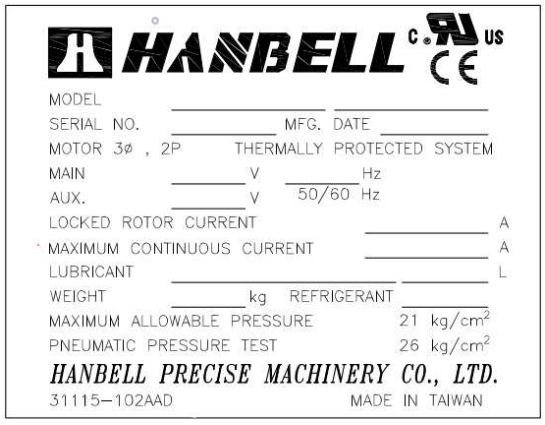
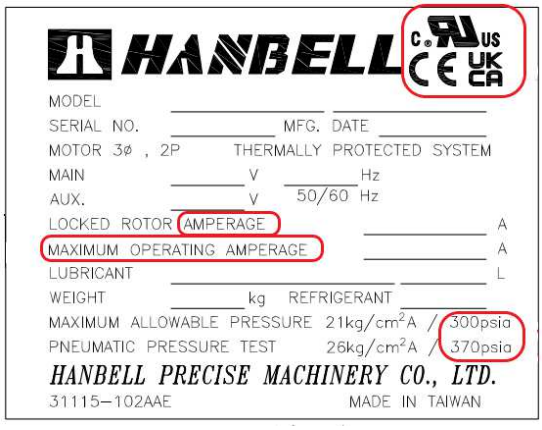
## Announcement of Changes on Compressor Nameplates

As the compressor product line and sales regions continue to expand, Hanbell plans to consolidate all Hanbell nameplates in the RE-A/RE-B/RE-AV/RE-BV/RE-AVI/RE-BVI and RC2-A/RC2-B/RC2-AV/RC2-BV series products. The changes are as follows:

- MCC (Maximum Continuous Current) will be changed to MOA (Maximum Operating Amperage). Please note the detailed explanations as below.
- cUL/CE/UKCA certifications will all be included on the nameplate simultaneously and will not appear individually.
- Both pressure units kg/cm²A & psi(a) will be included on the nameplate simultaneously and will not appear individually.
- Locked Rotor “Current” will be changed to Locked Rotor “Amperage”

Hanbell confirms that the compressor design and specifications will remain the same as before, with changes only in the nameplate information. The new nameplates will begin appearing on new compressors starting September 1, 2024.

| Current nameplate sample | Future nameplate sample |
|---|---|
|  |  |

Regarding MOA (Maximum Operating Amperage):

We herein provide tables of Maximum Operating Amperage (MOA) and it is defined according to compressor extreme application limit with safety factor.

Values of Maximum Continuous Current (MCC) are showed on current Hanbell compressor nameplates for long time. However, the values of MOA are more precise reference than values of MCC because values of MOA are more approaching to actual chiller operation for sizing electrical components, such as variable frequency drives, magnetic contactors, molded case circuit breakers (MCCB), power cables, and fuses…etc.

**RE-A Series:**

| 50Hz | | | | | 60Hz | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Model \ Voltage | 380 V | 400 V | 415 V | 440 V | 220 V | 230 V | 380 V | 400 V | 440 V | 460 V | 480 V | 575 V |
| RE-230A(AP) | 75 | 71 | 68 | 64 | 155 | 148 | 90 | 85 | 77 | 74 | 71 | 59 |
| RE-260A(AP) | 84 | 80 | 77 | 73 | 174 | 167 | 101 | 96 | 87 | 83 | 80 | 67 |
| RE-300A(AP) | 97 | 92 | 89 | 84 | 201 | 192 | 116 | 110 | 100 | 96 | 92 | 77 |
| RE-340A(AP) | 116 | 110 | 106 | 100 | 240 | 230 | 139 | 132 | 120 | 115 | 110 | 92 |
| RE-380A(AP) | 129 | 123 | 118 | 111 | 267 | 256 | 155 | 147 | 134 | 128 | 123 | 102 |
| RE-420A(AP) | 132 | 126 | 121 | 114 | 274 | 262 | 159 | 151 | 137 | 131 | 126 | 105 |
| RE-480A(AP) | 150 | 143 | 138 | 130 | 312 | 298 | 180 | 171 | 156 | 149 | 143 | 119 |
| RE-550A(AP) | 174 | 165 | 159 | 150 | 361 | 345 | 209 | 198 | 180 | 172 | 165 | 138 |
| RE-620A(AP) | 199 | 189 | 183 | 172 | – | – | 239 | 227 | 207 | 198 | 189 | 158 |
| RE-710A(AP) | 222 | 211 | 203 | 192 | – | – | 266 | 253 | 230 | 220 | 211 | 176 |
| RE-820A(AP) | 250 | 237 | 229 | 216 | – | – | 300 | 285 | 259 | 248 | 237 | 198 |
| RE-920A(AP) | 286 | 271 | 262 | 247 | – | – | 343 | 326 | 296 | 283 | 271 | 226 |
| RE-1050A(AP) | 337 | 320 | 309 | 291 | – | – | 405 | 384 | 350 | 334 | 320 | 267 |
| RE-1150A(AP) | 369 | 350 | 338 | 318 | – | – | 442 | 420 | 382 | 366 | 350 | 292 |
| RE-1270A(AP) | 420 | 399 | 384 | 362 | – | – | 504 | 478 | 435 | 416 | 399 | 333 |
| RE-1400A(AP) | 437 | 415 | 400 | 377 | – | – | 524 | 498 | 453 | 433 | 415 | 346 |
| RE-1800A(AP) | 561 | 533 | 514 | 484 | – | – | 673 | 639 | 581 | 556 | 533 | 445 |
| RE-2100A(AP) | 689 | 655 | 631 | 595 | – | – | 827 | 786 | 714 | 683 | 655 | 626 |

**RE-B Series:**

| 50Hz | | | | | 60Hz | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Model \ Voltage | 380V | 400V | 415V | 440V | 220V | 230V | 380V | 400V | 440V | 460V | 480V | 575V |
| RE-230B(BP) | 116 | 110 | 105 | 100 | 240 | 230 | 139 | 132 | 120 | 115 | 110 | 92 |
| RE-260B(BP) | 136 | 129 | 123 | 117 | 281 | 269 | 163 | 155 | 141 | 135 | 129 | 108 |
| RE-300B(BP) | 158 | 150 | 142 | 136 | 327 | 312 | 189 | 180 | 163 | 156 | 150 | 125 |
| RE-340B(BP) | 191 | 182 | 173 | 165 | 396 | 379 | 229 | 218 | 198 | 190 | 182 | 152 |
| RE-380B(BP) | 200 | 190 | 183 | 173 | 415 | 397 | 240 | 228 | 207 | 198 | 190 | 159 |
| RE-420B(BP) | 218 | 207 | 200 | 189 | — | — | 262 | 249 | 226 | 216 | 207 | 173 |
| RE-480B(BP) | 248 | 236 | 227 | 214 | — | — | 298 | 283 | 257 | 246 | 236 | 197 |
| RE-550B(BP) | 279 | 265 | 255 | 241 | — | — | 334 | 318 | 289 | 276 | 265 | 221 |
| RE-620B(BP) | 328 | 311 | 300 | 283 | — | — | 393 | 373 | 339 | 325 | 311 | 260 |
| RE-710B(BP) | 367 | 348 | 336 | 317 | — | — | 440 | 418 | 380 | 364 | 348 | 291 |
| RE-820B(BP) | 427 | 403 | 388 | 366 | — | — | 509 | 483 | 439 | 430 | 403 | 336 |
| RE-920B(BP) | 467 | 444 | 428 | 403 | — | — | 561 | 533 | 484 | 463 | 444 | 370 |
| RE-1050B(BP) | 531 | 504 | 486 | 459 | — | — | 637 | 605 | 550 | 526 | 504 | 421 |
| RE-1150B(BP) | 582 | 553 | 533 | 503 | — | — | 699 | 664 | 603 | 577 | 553 | 462 |
| RE-1270B(BP) | 654 | 622 | 599 | 565 | — | — | 785 | 746 | 678 | 649 | 622 | 519 |
| RE-1400B(BP) | 673 | 639 | 616 | 581 | — | — | 807 | 767 | 697 | 667 | 639 | 534 |

## RE-AVI & RE-BVI Series:

| RE-AVI | | | | | RE-BVI | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Model \ Voltage | 380V | 440V | 480V | 575V | Model \ Voltage | 380V | 440V | 480V | 575V |
| RE-300A(P)VI | 137 | 118 | 108 | 90 | RE-300B(P)VI | 171 | 148 | 136 | 113 |
| RE-340A(P)VI | 164 | 142 | 130 | 109 | RE-340B(P)VI | 206 | 178 | 163 | 136 |
| RE-380A(P)VI | 179 | 155 | 142 | 119 | RE-380B(P)VI | 233 | 201 | 185 | 154 |
| RE-420A(P)VI | 217 | 187 | 172 | 143 | RE-420B(P)VI | 251 | 217 | 199 | 166 |
| RE-480A(P)VI | 234 | 202 | 185 | 155 | RE-480B(P)VI | 282 | 243 | 223 | 186 |
| RE-550A(P)VI | 256 | 221 | 202 | 169 | RE-550B(P)VI | 317 | 274 | 251 | 209 |
| RE-620A(P)VI | 303 | 262 | 240 | 200 | RE-620B(P)VI | 399 | 344 | 316 | 263 |
| RE-710A(P)VI | 332 | 287 | 263 | 220 | RE-710B(P)VI | 413 | 357 | 327 | 273 |
| RE-820A(P)VI | 371 | 320 | 294 | 245 | RE-820B(P)VI | 472 | 408 | 374 | 312 |
| RE-920A(P)VI | 458 | 396 | 363 | 303 | RE-920B(P)VI | 512 | 442 | 405 | 338 |
| RE-1050A(P)VI | 468 | 404 | 371 | 309 | RE-1050B(P)VI | 618 | 534 | 489 | 408 |
| RE-1150A(P)VI | 559 | 483 | 442 | 369 | RE-1150B(P)VI | 739 | 638 | 585 | 488 |

## RC2-A Series:

| | 50Hz | | | | 60Hz | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Model \ Voltage | 380V | 400V | 415V | 440V | 208V | 220V | 230V | 380V | 400V | 440V | 460V | 480V | 575V |
| RC2-100A(P) | 52 | 50 | 48 | 45 | 115 | 109 | 104 | 60 | 60 | 54 | 52 | 50 | 42 |
| RC2-140A(P) | 69 | 65 | 63 | 59 | 151 | 142 | 136 | 79 | 78 | 71 | 68 | 65 | 54 |
| RC2-180A(P) | 87 | 82 | 79 | 75 | 190 | 179 | 172 | 99 | 99 | 90 | 86 | 82 | 69 |
| RC2-200A(P) | 96 | 91 | 88 | 83 | 211 | 199 | 191 | 110 | 110 | 100 | 95 | 91 | 76 |
| RC2-230A(P) | 120 | 114 | 110 | 104 | 264 | 249 | 238 | 137 | 137 | 125 | 119 | 114 | 95 |
| RC2-260A(P) | 123 | 117 | 113 | 106 | 270 | 255 | 244 | 141 | 140 | 128 | 122 | 117 | 98 |
| RC2-300A(P) | 155 | 147 | 142 | 134 | 339 | 321 | 307 | 177 | 176 | 160 | 153 | 147 | 123 |
| RC2-310A(P) | 179 | 170 | 164 | 154 | 392 | 370 | 354 | 216 | 204 | 185 | 177 | 170 | 142 |
| RC2-340A(P) | 169 | 161 | 155 | 146 | 371 | 351 | 336 | 193 | 193 | 175 | 168 | 161 | 134 |
| RC2-370A(P) | 189 | 180 | 173 | 163 | 415 | 392 | 375 | 216 | 216 | 196 | 188 | 180 | 150 |
| RC2-410A(P) | 203 | 193 | 186 | 175 | - | - | - | 232 | 231 | 210 | 201 | 193 | 161 |
| RC2-470A(P) | 233 | 221 | 213 | 201 | - | - | - | 266 | 265 | 241 | 231 | 221 | 185 |
| RC2-510A(P) | 249 | 236 | 228 | 215 | - | - | - | 284 | 283 | 258 | 246 | 236 | 197 |
| RC2-550A(P) | 271 | 257 | 248 | 234 | - | - | - | 310 | 309 | 281 | 269 | 257 | 215 |
| RC2-580A(P) | 280 | 266 | 256 | 242 | - | - | - | 320 | 319 | 290 | 277 | 266 | 222 |
| RC2-620A(P) | 308 | 293 | 282 | 266 | - | - | - | 353 | 352 | 320 | 306 | 293 | 245 |
| RC2-710A(P) | 336 | 319 | 308 | 290 | - | - | - | 384 | 383 | 349 | 333 | 319 | 267 |
| RC2-790A(P) | 373 | 355 | 342 | 323 | - | - | - | 427 | 426 | 387 | 370 | 355 | 296 |
| RC2-830A(P) | 413 | 393 | 379 | 357 | - | - | - | 473 | 471 | 429 | 410 | 393 | 328 |
| RC2-930A(P) | 459 | 436 | 421 | 397 | - | - | - | 525 | 524 | 476 | 455 | 436 | 364 |
| RC2-1020A(P) | 517 | 491 | 473 | 447 | - | - | - | 591 | 589 | 536 | 513 | 491 | 410 |
| RC2-1130A(P) | 571 | 543 | 523 | 494 | - | - | - | 653 | 651 | 592 | 566 | 543 | 453 |
| RC2-1270A(P) | 701 | 666 | 642 | 605 | - | - | - | 801 | 799 | 726 | 695 | 666 | 556 |
| RC2-1530A(P) | 785 | 745 | 718 | 678 | - | - | - | 897 | 895 | 813 | 778 | 745 | 622 |

**RC2-B Series:**

| | 50Hz | | | | 60Hz | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Model \ Voltage | 380V | 400V | 415V | 440V | 208V | 220V | 230V | 380V | 400V | 440V | 460V | 480V | 575V |
| RC2-100B(P) | 60 | 57 | 55 | 52 | 131 | 124 | 119 | 72 | 68 | 62 | 59 | 57 | 47 |
| RC2-140B(P) | 79 | 75 | 72 | 68 | 172 | 163 | 156 | 94 | 90 | 82 | 78 | 75 | 62 |
| RC2-180B(P) | 99 | 94 | 91 | 86 | 217 | 206 | 197 | 119 | 113 | 103 | 98 | 94 | 79 |
| RC2-200B(P) | 111 | 106 | 102 | 96 | 244 | 231 | 221 | 134 | 127 | 116 | 111 | 106 | 88 |
| RC2-230B(P) | 142 | 135 | 130 | 122 | 311 | 294 | 281 | 170 | 161 | 147 | 140 | 135 | 112 |
| RC2-260B(P) | 145 | 138 | 133 | 125 | 318 | 300 | 287 | 174 | 165 | 150 | 144 | 138 | 115 |
| RC2-300B(P) | 167 | 158 | 153 | 144 | 365 | 345 | 330 | 200 | 190 | 173 | 165 | 158 | 132 |
| RC2-310B(P) | 178 | 169 | 163 | 154 | 391 | 369 | 353 | 214 | 203 | 185 | 177 | 169 | 141 |
| RC2-340B(P) | 191 | 181 | 175 | 165 | 418 | 395 | 378 | 229 | 217 | 198 | 189 | 181 | 151 |
| RC2-370B(P) | 205 | 195 | 188 | 177 | 450 | 425 | 407 | 246 | 234 | 213 | 203 | 195 | 163 |
| RC2-410B(P) | 230 | 218 | 211 | 199 | - | - | - | 276 | 262 | 238 | 228 | 218 | 182 |
| RC2-470B(P) | 261 | 248 | 239 | 225 | - | - | - | 313 | 297 | 270 | 258 | 248 | 207 |
| RC2-510B(P) | 282 | 268 | 258 | 243 | - | - | - | 338 | 321 | 292 | 279 | 268 | 223 |
| RC2-550B(P) | 305 | 290 | 279 | 263 | - | - | - | 366 | 348 | 316 | 302 | 290 | 242 |
| RC2-580B(P) | 321 | 305 | 294 | 278 | - | - | - | 386 | 366 | 333 | 319 | 305 | 255 |
| RC2-620B(P) | 339 | 322 | 310 | 292 | - | - | - | 406 | 386 | 351 | 336 | 322 | 269 |
| RC2-710B(P) | 385 | 366 | 352 | 332 | - | - | - | 462 | 439 | 399 | 382 | 366 | 305 |
| RC2-790B(P) | 418 | 397 | 382 | 361 | - | - | - | 501 | 476 | 433 | 414 | 397 | 331 |
| RC2-830B(P) | 458 | 435 | 419 | 395 | - | - | - | 549 | 522 | 474 | 454 | 435 | 363 |
| RC2-930B(P) | 502 | 477 | 460 | 433 | - | - | - | 602 | 572 | 520 | 498 | 477 | 398 |
| RC2-1020B(P) | 624 | 593 | 571 | 539 | - | - | - | 749 | 711 | 647 | 618 | 593 | 495 |
| RC2-1130B(P) | 708 | 673 | 648 | 612 | - | - | - | 850 | 807 | 734 | 702 | 673 | 562 |
| RC2-1270B(P) | 762 | 724 | 698 | 658 | - | - | - | 915 | 869 | 790 | 756 | 724 | 604 |
| RC2-1530B(P) | 867 | 824 | 794 | 749 | - | - | - | 1040 | 988 | 898 | 859 | 824 | 687 |

P.S.

1. Your esteemed company still can select electrical components based on your own experience, expertise, and reports of Hanbell selection program, not by values of MOA.
2. Please contact Hanbell representatives if compressor motor spec. is not in the above tables.

For any other questions, please feel free to contact Hanbell representatives at your earliest convenience.

MICRO CONTROL SYSTEMS
5580 Enterprise Parkway, Fort Myers, FL 33905
Office: 239-694-0089 Fax: 239-694-0031
www.mcscontrols.com