

MCT 10 Set-up Software

MCT 10 Set-up Software Project -- Untitled

Saturday, November 08, 2025

Group Folder: Project

Drive Name: 1; VLT 6004 380V-480V

| | Connected Drive Information | Database Information |
|-----------------------|------------------------------------|-----------------------------|
| Drive Series: | VLT 6000 | VLT 6000 |
| Drive Type: | 6004 380V-480V | 6004 380V-480V |
| SW Version: | 3.22 | 3.22 |
| Communication Option: | None | None |
| Application Option: | None | None |
| Drive Address: 1 | | |
| Field-bus: Serial | | |
| Description | | |

Parameter Group: 0- Operation and display**

| ID | Name | Setup 1 | Setup 2 | Setup 3 | Setup 4 | Unit |
|-----------|------------------|-------------------------|-----------------------|-----------------------|-----------------------|-------------|
| 001 | Language | English (0) | English (0) | English (0) | English (0) | |
| 002 | Active setup | Setup 1 (1) | Setup 1 (1) | Setup 1 (1) | Setup 1 (1) | |
| 003 | Setup copy | No copy (0) | No copy (0) | No copy (0) | No copy (0) | |
| 004 | Lcp copy | No copy (0) | No copy (0) | No copy (0) | No copy (0) | |
| 005 | Custom readout | 100.00 | 100.00 | 100.00 | 100.00 | |
| 006 | Cust. read. unit | % (1) | % (1) | % (1) | % (1) | |
| 007 | Large readout | Frequency [Hz] (3) | Frequency [Hz] (3) | Frequency [Hz] (3) | Frequency [Hz] (3) | |
| 008 | Small readout 1 | Reference [%] (1) | Reference [%] (1) | Reference [%] (1) | Reference [%] (1) | |
| 009 | Small readout 2 | Feedback 1 [units] (13) | Motor current [A] (5) | Motor current [A] (5) | Motor current [A] (5) | |
| 010 | Small readout 3 | Power [kW] (6) | Power [kW] (6) | Power [kW] (6) | Power [kW] (6) | |
| 011 | Unit of loc ref | Hz (0) | Hz (0) | Hz (0) | Hz (0) | |
| 012 | Hand start btn | Disable (0) | Enable (1) | Enable (1) | Enable (1) | |
| 013 | Stop button | Enable (1) | Enable (1) | Enable (1) | Enable (1) | |
| 014 | Auto start btn | Enable (1) | Enable (1) | Enable (1) | Enable (1) | |
| 015 | Reset button | Enable (1) | Enable (1) | Enable (1) | Enable (1) | |
| 016 | Data change lock | Not locked (0) | Not locked (0) | Not locked (0) | Not locked (0) | |
| 017 | Power up action | Auto restart (0) | Auto restart (0) | Auto restart (0) | Auto restart (0) | |

Parameter Group: 1- Load and motor**

| ID | Name | Setup 1 | Setup 2 | Setup 3 | Setup 4 | Unit |
|-----------|------------------|-------------------------|------------------|------------------|------------------|-------------|
| 100 | Config. mode | Closed loop forward (1) | Open loop (0) | Open loop (0) | Open loop (0) | |
| 101 | Vt charact. | Aeo function (0) | Aeo function (0) | Aeo function (0) | Aeo function (0) | |
| 102 | Motor power | 2.20 | 2.20 | 2.20 | 2.20 | kW |
| 103 | Motor voltage | 400 | 380 | 380 | 380 | V |
| 104 | Motor frequency | 50 | 50 | 50 | 50 | Hz |
| 105 | Motor current | 4.50 | 5.58 | 5.58 | 5.58 | A |
| 106 | Motor nom. speed | 2850 | 1420 | 1420 | 1420 | RPM |
| 107 | Auto motor adapt | No ama (0) | No ama (0) | No ama (0) | No ama (0) | |
| 108 | Multim.startvolt | 12.6 | 12.6 | 12.6 | 12.6 | V |
| 109 | Resonance damp. | 100 | 100 | 100 | 100 | % |
| 110 | High start torq. | 0.0 | 0.0 | 0.0 | 0.0 | s |
| 111 | Start delay | 0.0 | 0.0 | 0.0 | 0.0 | s |
| 112 | Motor preheat | Disable (0) | Disable (0) | Disable (0) | Disable (0) | |
| 113 | Preheat dc curr. | 50 | 50 | 50 | 50 | % |
| 114 | Dc brake current | 50 | 50 | 50 | 50 | % |
| 115 | Dc braking time | 10.0 | 10.0 | 10.0 | 10.0 | s |
| 116 | Dc brake cut-in | 0.0 | 0.0 | 0.0 | 0.0 | Hz |
| 117 | Mot.therm protec | Thermistor fault (2) | Etr trip 1 (4) | Etr trip 1 (4) | Etr trip 1 (4) | |
| 118 | Motor pwr fact | 0.75 | 0.75 | 0.75 | 0.75 | |

Parameter Group: 2- References and limits**

| ID | Name | Setup 1 | Setup 2 | Setup 3 | Setup 4 | Unit |
|-----|------------------|--------------|-------------------------|-------------------------|-------------------------|------|
| 200 | Frequency range | 0-120 hz (0) | 0-120 hz (0) | 0-120 hz (0) | 0-120 hz (0) | |
| 201 | Min. frequency | 0.0 | 0.0 | 0.0 | 0.0 | Hz |
| 202 | Max. frequency | 50.0 | 50.0 | 50.0 | 50.0 | Hz |
| 203 | Reference site | Remote (2) | Linked to hand/auto (0) | Linked to hand/auto (0) | Linked to hand/auto (0) | |
| 204 | Min. reference | 0.000 | 0.000 | 0.000 | 0.000 | |
| 205 | Max. reference | 10.000 | 50.000 | 50.000 | 50.000 | |
| 206 | Ramp up time | 1 | 10 | 10 | 10 | s |
| 207 | Ramp down time | 1 | 10 | 10 | 10 | s |
| 208 | Autoramping | Enable (1) | Enable (1) | Enable (1) | Enable (1) | |
| 209 | Jog frequency | 10.0 | 10.0 | 10.0 | 10.0 | Hz |
| 210 | Ref. function | Sum (0) | Sum (0) | Sum (0) | Sum (0) | |
| 211 | Preset ref. 1 | 0.00 | 0.00 | 0.00 | 0.00 | % |
| 212 | Preset ref. 2 | 0.00 | 0.00 | 0.00 | 0.00 | % |
| 213 | Preset ref. 3 | 0.00 | 0.00 | 0.00 | 0.00 | % |
| 214 | Preset ref. 4 | 0.00 | 0.00 | 0.00 | 0.00 | % |
| 215 | Curr limit motor | 6.2 | 5.6 | 5.6 | 5.6 | A |
| 216 | Freq bypass b.w. | 0 | 0 | 0 | 0 | Hz |
| 217 | Bypass freq. 1 | 120.0 | 120.0 | 120.0 | 120.0 | Hz |
| 218 | Bypass freq. 2 | 120.0 | 120.0 | 120.0 | 120.0 | Hz |
| 219 | Bypass freq. 3 | 120.0 | 120.0 | 120.0 | 120.0 | Hz |
| 220 | Bypass freq. 4 | 120.0 | 120.0 | 120.0 | 120.0 | Hz |
| 221 | Warn. current lo | 0.0 | 0.0 | 0.0 | 0.0 | A |
| 222 | Warn. current hi | 6.1 | 6.1 | 6.1 | 6.1 | A |
| 223 | Warn. freq. low | 0.0 | 0.0 | 0.0 | 0.0 | Hz |
| 224 | Warn. freq. high | 120.0 | 120.0 | 120.0 | 120.0 | Hz |
| 225 | Warn. low ref. | -999,999.999 | -999,999.999 | -999,999.999 | -999,999.999 | |
| 226 | Warn. high ref. | 999,999.999 | 999,999.999 | 999,999.999 | 999,999.999 | |
| 227 | Warn. low fdbk | -999,999.999 | -999,999.999 | -999,999.999 | -999,999.999 | |
| 228 | Warn. high fdbk | 999,999.999 | 999,999.999 | 999,999.999 | 999,999.999 | |

Parameter Group: 3- Inputs and outputs**

| ID | Name | Setup 1 | Setup 2 | Setup 3 | Setup 4 | Unit |
|-----|------------------|----------------------|--------------------------|--------------------------|--------------------------|------|
| 300 | Digital input 16 | No operation (0) | Reset (1) | Reset (1) | Reset (1) | |
| 301 | Digital input 17 | No operation (0) | Freeze reference (2) | Freeze reference (2) | Freeze reference (2) | |
| 302 | Digital input 18 | Start (1) | Start (1) | Start (1) | Start (1) | |
| 303 | Digital input 19 | No operation (0) | Reversing (1) | Reversing (1) | Reversing (1) | |
| 304 | Digital input 27 | Coast inverse (0) | Coast inverse (0) | Coast inverse (0) | Coast inverse (0) | |
| 305 | Digital input 29 | No operation (0) | Jog (12) | Jog (12) | Jog (12) | |
| 306 | Digital input 32 | No operation (0) | No operation (0) | No operation (0) | No operation (0) | |
| 307 | Digital input 33 | No operation (0) | No operation (0) | No operation (0) | No operation (0) | |
| 308 | Ai [V] 53 funct. | Thermistor input (3) | Reference (1) | Reference (1) | Reference (1) | |
| 309 | Ai 53 scale low | 0.0 | 0.0 | 0.0 | 0.0 | V |
| 310 | Ai 53 scale high | 10.0 | 10.0 | 10.0 | 10.0 | V |
| 311 | Ai [V] 54 funct. | No operation (0) | No operation (0) | No operation (0) | No operation (0) | |
| 312 | Ai 54 scale low | 0.0 | 0.0 | 0.0 | 0.0 | V |
| 313 | Ai 54 scale high | 10.0 | 10.0 | 10.0 | 10.0 | V |
| 314 | Ai [mA] 60 funct | Feedback (2) | Reference (1) | Reference (1) | Reference (1) | |
| 315 | Ai 60 scale low | 4.0 | 4.0 | 4.0 | 4.0 | mA |
| 316 | Ai 60 scale high | 20.0 | 20.0 | 20.0 | 20.0 | mA |
| 317 | Live zero time | 1 | 10 | 10 | 10 | s |
| 318 | Live zero funct. | Stop (2) | No function (0) | No function (0) | No function (0) | |
| 319 | Ao 42 function | No function (0) | Motor cur. 0- 20 ma (38) | Motor cur. 0- 20 ma (38) | Motor cur. 0- 20 ma (38) | |
| 320 | Ao 42 puls scale | 5000 | 5000 | 5000 | 5000 | Hz |
| 321 | Ao 45 function | No function (0) | Out. freq. 0- 20 ma (29) | Out. freq. 0- 20 ma (29) | Out. freq. 0- 20 ma (29) | |
| 322 | Ao 45 puls scale | 5000 | 5000 | 5000 | 5000 | Hz |
| 323 | Relay 1 function | Alarm (8) | Alarm (8) | Alarm (8) | Alarm (8) | |
| 324 | Relay1 on delay | 0 | 0 | 0 | 0 | s |
| 325 | Relay1 off delay | 0 | 0 | 0 | 0 | s |
| 326 | Relay 2 function | Running (3) | Running (3) | Running (3) | Running (3) | |
| 327 | Pulse ref. max | 5000 | 5000 | 5000 | 5000 | Hz |
| 328 | Pulse fdbk. max. | 25000 | 25000 | 25000 | 25000 | Hz |

Parameter Group: 4- Special functions**

| ID | Name | Setup 1 | Setup 2 | Setup 3 | Setup 4 | Unit |
|-----------|------------------|------------------|------------------|------------------|------------------|-------------|
| 400 | Reset function | Manual reset (0) | Manual reset (0) | Manual reset (0) | Manual reset (0) | |
| 401 | Autorestart time | 10 | 10 | 10 | 10 | s |
| 402 | Flying start | Disable (0) | Disable (0) | Disable (0) | Disable (0) | |
| 403 | Sleep mode timer | 301 | 301 | 301 | 301 | s |
| 404 | Sleep frequency | 0.0 | 0.0 | 0.0 | 0.0 | Hz |
| 405 | Wakeup frequency | 50.0 | 50.0 | 50.0 | 50.0 | Hz |
| 406 | Boost setpoint | 100 | 100 | 100 | 100 | % |
| 407 | Switch freq. | 4.5 | 4.5 | 4.5 | 4.5 | kHz |
| 408 | Noise reduction | Asfm (0) | Asfm (0) | Asfm (0) | Asfm (0) | |
| 409 | Funct. low curr. | Warning (1) | Warning (1) | Warning (1) | Warning (1) | |
| 410 | Mains imbalance | Trip (0) | Trip (0) | Trip (0) | Trip (0) | |
| 411 | Funct. overtemp. | Trip (0) | Trip (0) | Trip (0) | Trip (0) | |
| 412 | Overload delay | 10 | 61 | 61 | 61 | s |
| 413 | Min. feedback | 0.000 | 0.000 | 0.000 | 0.000 | |
| 414 | Max. feedback | 10.000 | 100.000 | 100.000 | 100.000 | |
| 415 | Ref./fdbk. unit | Bar (16) | % (1) | % (1) | % (1) | |
| 416 | Feedback conv. | Linear (0) | Linear (0) | Linear (0) | Linear (0) | |
| 417 | 2 feedback calc. | Maximum (1) | Maximum (1) | Maximum (1) | Maximum (1) | |
| 418 | Setpoint 1 | 3.600 | 0.000 | 0.000 | 0.000 | |
| 419 | Setpoint 2 | 0.000 | 0.000 | 0.000 | 0.000 | |
| 420 | Pid nor/inv.ctrl | Normal (0) | Normal (0) | Normal (0) | Normal (0) | |
| 421 | Pid anti windup | Enable (1) | Enable (1) | Enable (1) | Enable (1) | |
| 422 | Pid start value | 0.0 | 0.0 | 0.0 | 0.0 | Hz |
| 423 | Pid prop. gain | 2.00 | 0.30 | 0.30 | 0.30 | |
| 424 | Pid integr. time | 0.50 | 9,999.00 | 9,999.00 | 9,999.00 | s |
| 425 | Pid diff. time | 0.00 | 0.00 | 0.00 | 0.00 | s |
| 426 | Pid diff. gain | 5.0 | 5.0 | 5.0 | 5.0 | |
| 427 | Pid filter time | 0.01 | 0.01 | 0.01 | 0.01 | s |
| 430 | Fire mode | Disable (0) | Disable (0) | Disable (0) | Disable (0) | |
| 431 | Fire mode freq. | 50.0 | 50.0 | 50.0 | 50.0 | Hz |
| 432 | Firem byp. delay | 0 | 0 | 0 | 0 | s |
| 433 | Fire mode ref. | Fixed (0) | Fixed (0) | Fixed (0) | Fixed (0) | |
| 472 | Boost timeout | 30 | 30 | 30 | 30 | s |
| 483 | Dyn dc-link comp | Enable (1) | Enable (1) | Enable (1) | Enable (1) | |

Parameter Group: 5- Serial communication**

| ID | Name | Setup 1 | Setup 2 | Setup 3 | Setup 4 | Unit |
|-----------|------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------|
| 500 | Protocol | Fc (0) | Fc (0) | Fc (0) | Fc (0) | |
| 501 | Address | 1 | 1 | 1 | 1 | |
| 502 | Baud rate | 9600 baud (5) | 9600 baud (5) | 9600 baud (5) | 9600 baud (5) | |
| 503 | Coasting | Logic or (3) | Logic or (3) | Logic or (3) | Logic or (3) | |
| 504 | Dc brake | Logic or (3) | Logic or (3) | Logic or (3) | Logic or (3) | |
| 505 | Start | Logic or (3) | Logic or (3) | Logic or (3) | Logic or (3) | |
| 506 | Reversing | Digital input (0) | Digital input (0) | Digital input (0) | Digital input (0) | |
| 507 | Select. setup | Logic or (3) | Logic or (3) | Logic or (3) | Logic or (3) | |
| 508 | Select. speed | Logic or (3) | Logic or (3) | Logic or (3) | Logic or (3) | |
| 533 | Displ.text line1 | | | | | |
| 534 | Displ.text line2 | | | | | |
| 555 | Bus time inter. | 60 | 60 | 60 | 60 | s |
| 556 | Bus time funct. | No function (0) | No function (0) | No function (0) | No function (0) | |
| 560 | N2 over.rel.time | 65534 | 65534 | 65534 | 65534 | s |
| 565 | Fln time inter. | 60 | 60 | 60 | 60 | s |
| 566 | Fln time funct. | No function (0) | No function (0) | No function (0) | No function (0) | |
| 570 | M.bus par./frame | No parity/ 1 stopbit (2) | |
| 571 | M.bus com.time. | 100 | 100 | 100 | 100 | ms |

Parameter Group: 6- Technical functions**

| ID | Name | Setup 1 | Setup 2 | Setup 3 | Setup 4 | Unit |
|-----------|------------------|----------------------|----------------------|----------------------|----------------------|-------------|
| 600 | Operating hours | 27,763.0 | 27,763.0 | 27,763.0 | 27,763.0 | |
| 601 | Running hours | 20,948.8 | 20,948.8 | 20,948.8 | 20,948.8 | |
| 602 | Kwh counter | 11,212.7 | 11,212.7 | 11,212.7 | 11,212.7 | |
| 603 | Power up's | 154 | 154 | 154 | 154 | |
| 604 | Over temp's | 0 | 0 | 0 | 0 | |
| 618 | Reset kwh count | Do not reset (0) | |
| 619 | Reset run. hour | Do not reset (0) | |
| 620 | Operation mode | Normal operation (0) | Normal operation (0) | Normal operation (0) | Normal operation (0) | |
| 621 | Drive type | VLT 6004 380V-480V | VLT 6004 380V-480V | VLT 6004 380V-480V | VLT 6004 380V-480V | |
| 622 | Power section | STANDARD | STANDARD | STANDARD | STANDARD | |
| 623 | Ordering no | 175Z7049 | 175Z7049 | 175Z7049 | 175Z7049 | |
| 624 | Software version | V 3.22 | V 3.22 | V 3.22 | V 3.22 | |
| 625 | Lcp id no. | ID 1.50 2kB | ID 1.50 2kB | ID 1.50 2kB | ID 1.50 2kB | |
| 626 | Param db id | ID 1.34 | ID 1.34 | ID 1.34 | ID 1.34 | |
| 627 | Power unit db id | ID 2.12 | ID 2.12 | ID 2.12 | ID 2.12 | |
| 628 | Applc. option | NONE | NONE | NONE | NONE | |
| 629 | Applc. order no | | | | | |
| 630 | Com. option | NONE | NONE | NONE | NONE | |
| 631 | Com. order no | | | | | |

Alarms :

| Date Read | Time Read | Drive Time | Code | Alarm Text |
|------------------|------------------|-------------------|-------------|-------------------|
|------------------|------------------|-------------------|-------------|-------------------|

No Alarms can be printed out in Basic Version.

Warnings :

| Date Read | Time Read | Drive Time | Code | Warning Text |
|------------------|------------------|-------------------|-------------|---------------------|
|------------------|------------------|-------------------|-------------|---------------------|

No Warnings can be printed out in Basic Version.

Fault Log :

No Fault Log can be printed out in Basic Version.