

|                                                                                   |          |  |                           |  |                                                             |                  |
|-----------------------------------------------------------------------------------|----------|--|---------------------------|--|-------------------------------------------------------------|------------------|
|  |          |  | DERATING CALCULATION NOTE |  | Ref                                                         |                  |
|                                                                                   |          |  | T1400                     |  | OC                                                          | NS330            |
|                                                                                   |          |  | ENG / ALT / COOLING       |  | S12R-PTA-3 - KH04830TO4D - 400/230 V - RADIA-STD-M428-T1400 |                  |
| REV                                                                               | DATE     |  | DESCRIPTION               |  | WRITTER                                                     | SOFTWARE VERSION |
| B                                                                                 | 19/04/22 |  | Update Canopy type M428   |  | ALIX N.                                                     | 1.1              |
|                                                                                   |          |  |                           |  |                                                             |                  |
|                                                                                   |          |  |                           |  |                                                             |                  |

|     |                      |      |         |     |                      |      |         |
|-----|----------------------|------|---------|-----|----------------------|------|---------|
| ESP | Genset rated Power : | 1122 | kWe ESP | PRP | Genset rated Power : | 1020 | kWe PRP |
| ESP | Engine Gross Power : | 1220 | kW      | PRP | Engine Gross Power : | 1109 | kW      |
| ESP | Alt eff 400/230      | 95,8 | %       | PRP | Alt eff 400/230      | 96   | %       |
| ESP | Alt max power        | 1136 | kW      | PRP | Alt max power        | 1040 | kW      |

|                 |    |                                                                                       |      |      |      |      |      |      |      |      |      |      |
|-----------------|----|---------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|
| SILENT VERSION  |    | Available Net Power for - S12R-PTA-3 - KH04830TO4D - 400/230 V - RADIA-STD-M428-T1400 |      |      |      |      |      |      |      |      |      |      |
| ESP Power (kVA) |    | Altitude (m)                                                                          |      |      |      |      |      |      |      |      |      |      |
|                 |    | 0                                                                                     | 500  | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 |
| Ambiant(°C)     | 25 | 1440                                                                                  | 1440 | 1440 | 1350 | 1300 | 1210 | 1210 | 1110 | 1100 |      |      |
|                 | 30 | 1410                                                                                  | 1410 | 1410 | 1320 | 1280 | 1190 | 1190 | 1090 | 1050 |      |      |
|                 | 35 | 1380                                                                                  | 1380 | 1380 | 1310 | 1250 | 1180 | 1160 | 1080 | 1010 |      |      |
|                 | 40 | 1340                                                                                  | 1340 | 1310 | 1280 | 1220 | 1140 | 1110 | 1040 | 960  |      |      |
|                 | 45 | 1220                                                                                  | 1190 | 1160 | 1120 | 1090 | 1050 | 1010 | 980  | 920  |      |      |
|                 | 50 | 1080                                                                                  | 1040 | 1000 | 960  | 920  | 890  | 850  | 800  | 760  |      |      |
|                 | 55 | 920                                                                                   | 890  | 840  | 800  | 760  | 710  | 660  | 610  | 560  |      |      |
|                 |    |                                                                                       |      |      |      |      |      |      |      |      |      |      |
| OPEN VERSION    |    | Available Net Power for - S12R-PTA-3 - KH04830TO4D - 400/230 V - RADIA-STD-M428-T1400 |      |      |      |      |      |      |      |      |      |      |
| ESP Power (kVA) |    | Altitude (m)                                                                          |      |      |      |      |      |      |      |      |      |      |
|                 |    | 0                                                                                     | 500  | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 |
| Ambiant(°C)     | 25 | 1440                                                                                  | 1440 | 1440 | 1350 | 1300 | 1210 | 1210 | 1110 | 1100 |      |      |
|                 | 30 | 1410                                                                                  | 1410 | 1410 | 1320 | 1280 | 1190 | 1190 | 1090 | 1050 |      |      |
|                 | 35 | 1380                                                                                  | 1380 | 1380 | 1310 | 1250 | 1180 | 1160 | 1080 | 1010 |      |      |
|                 | 40 | 1340                                                                                  | 1340 | 1340 | 1300 | 1220 | 1140 | 1110 | 1040 | 960  |      |      |
|                 | 45 | 1300                                                                                  | 1260 | 1240 | 1200 | 1160 | 1090 | 1080 | 1000 | 920  |      |      |
|                 | 50 | 1150                                                                                  | 1110 | 1090 | 1050 | 1000 | 960  | 920  | 880  | 840  |      |      |
|                 | 55 | 1000                                                                                  | 960  | 920  | 880  | 840  | 790  | 750  | 700  | 650  |      |      |
|                 |    |                                                                                       |      |      |      |      |      |      |      |      |      |      |
| SILENT VERSION  |    | Available Net Power for - S12R-PTA-3 - KH04830TO4D - 400/230 V - RADIA-STD-M428-T1400 |      |      |      |      |      |      |      |      |      |      |
| PRP Power (kVA) |    | Altitude (m)                                                                          |      |      |      |      |      |      |      |      |      |      |
|                 |    | 0                                                                                     | 500  | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 |
| Ambiant(°C)     | 25 | 1300                                                                                  | 1300 | 1300 | 1300 | 1250 | 1180 | 1120 | 1060 | 1000 |      |      |
|                 | 30 | 1300                                                                                  | 1300 | 1300 | 1290 | 1220 | 1150 | 1090 | 1020 | 960  |      |      |
|                 | 35 | 1300                                                                                  | 1300 | 1300 | 1250 | 1190 | 1110 | 1050 | 990  | 910  |      |      |
|                 | 40 | 1290                                                                                  | 1290 | 1280 | 1210 | 1150 | 1080 | 1010 | 950  | 880  |      |      |
|                 | 45 | 1220                                                                                  | 1190 | 1160 | 1120 | 1090 | 1040 | 980  | 900  | 840  |      |      |
|                 | 50 | 1080                                                                                  | 1040 | 1000 | 960  | 920  | 890  | 850  | 800  | 760  |      |      |
|                 | 55 | 920                                                                                   | 890  | 840  | 800  | 760  | 710  | 660  | 610  | 560  |      |      |
|                 |    |                                                                                       |      |      |      |      |      |      |      |      |      |      |
| OPEN VERSION    |    | Available Net Power for - S12R-PTA-3 - KH04830TO4D - 400/230 V - RADIA-STD-M428-T1400 |      |      |      |      |      |      |      |      |      |      |
| PRP Power (kVA) |    | Altitude (m)                                                                          |      |      |      |      |      |      |      |      |      |      |
|                 |    | 0                                                                                     | 500  | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 |
| Ambiant(°C)     | 25 | 1300                                                                                  | 1300 | 1300 | 1300 | 1250 | 1180 | 1120 | 1060 | 1000 |      |      |
|                 | 30 | 1300                                                                                  | 1300 | 1300 | 1290 | 1220 | 1150 | 1090 | 1020 | 960  |      |      |
|                 | 35 | 1300                                                                                  | 1300 | 1300 | 1250 | 1190 | 1110 | 1050 | 990  | 910  |      |      |
|                 | 40 | 1290                                                                                  | 1290 | 1280 | 1210 | 1150 | 1080 | 1010 | 950  | 880  |      |      |
|                 | 45 | 1250                                                                                  | 1250 | 1240 | 1180 | 1100 | 1040 | 980  | 900  | 840  |      |      |
|                 | 50 | 1150                                                                                  | 1110 | 1090 | 1050 | 1000 | 960  | 920  | 860  | 800  |      |      |
|                 | 55 | 1000                                                                                  | 960  | 920  | 880  | 840  | 790  | 750  | 700  | 650  |      |      |
|                 |    |                                                                                       |      |      |      |      |      |      |      |      |      |      |

NB : For PRP rated genset, overload power "PRP +10%" is permitted at ISO8528 reference conditions (25°C air inlet temperature, 100kPa barometric pressure).  
If customer's site conditions are different from ISO8528 reference conditions, the maximum overload power to consider is the ESP power at customer's site conditions.