

## EMF DATASHEET FOR ARC WELDING POWER SOURCE

### EQUIPMENT INFORMATION

Manufacturer      Fronius  
Model              MagicWave 5000 Job G/F; MagicWave 5000 Job G/F MV; MagicWave 5000 Job G/F MV  
Model Number    4,075,135; 4,075,135,630; 4,075,135,800  
Intended use      ☒ occupational   ☐ by laymen

### BASIC INFORMATION

Applied Regulations    Directive 2014/35/EU  
Referenced Limits    Directive 2013/35/EU, Recommendation 1999/519/EC  
Applied Standards    EN 62822-1:2016, EN 62822-2:2016

Non-thermal effects need to be considered for the workplace assessment    ☒ yes   ☐ no  
Thermal effects need to be considered for the workplace assessment    ☐ yes   ☒ no

- ☒ Data based on maximum power source capability  
☐ Data based on worst case setting/program  
☐ Data based on multiple settings / programs

### COMPLIANCE SUMMARY

Compliance with ELVs for health effects at standardized configurations    ☒ yes   ☐ no  
Compliance with ELVs for sensory effects at standardized configurations    ☒ yes   ☐ no  
All values below the Action Levels at the standardized configurations    ☐ yes   ☒ no

### NON-THERMAL EFFECTS

|                             | HEAD            |                | TRUNK    | LIMB HAND | LIMB THIGH |
|-----------------------------|-----------------|----------------|----------|-----------|------------|
|                             | SENSORY EFFECTS | HEALTH EFFECTS |          |           |            |
| Standardized distance       | 10.00 cm        | 10.00 cm       | 10.00 cm | 3.00 cm   | 3.00 cm    |
| EI at standardized distance | 0.48            | 0.44           | 0.72     | 0.40      | 0.93       |
| Required minimum distance   | 4.00 cm         | 3.00 cm        | 6.00 cm  | 1.00 cm   | 3.00 cm    |

Distance where all EIs fall below 20:%      57.90 cm  
Distance where compliance with general public limits is reached:      5.00 m