



# EMF DATASHEET FOR ARC WELDING POWER SOURCE

## EQUIPMENT INFORMATION

Manufacturer      Fronius  
 Model              MagicWave 190 EF; MagicWave 190 np; MagicWave 190 MV/B; MagicWave 190 MV/np  
 Model Number      4,075,218; 4,075,218,008; 4,075,218,631; 4,075,218,638  
 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	0.22	0.22	0.35	0.20	0.46
Required minimum distance	0.50 cm	0.50 cm	2.00 cm	1.00 cm	0.50 cm

Distance where all EIs fall below 20:%    26.00 cm  
 Distance where compliance with general public limits is reached:                1.58 m