TECHNICAL DATA SHEET

ALTERNATOR E2W10 220DC

DC welder with brushes

E2W10 220DC

COMMON DATA

Rated Power at 50Hz	kVA	6,5	
Rated Power at 60Hz	kVA	8	
Rated Power Factor		1	
Nominal Temperature	°C	40	
Control System		self-excited	
Execution		with brushes	
Insulation Class		H	
Protection		IP21	
Maximum Over speed	rpm	4500	
Overload		110% of rated power for one hour in a cycle of 6 hours	
Air Flow Requirement	m^3/min	3,6 at 50Hz	4,5 at 60Hz
R.F.I. Suppression		Standard EN55011	

REGULATION DATA

Regulation	Auxiliary winding
Voltage Regulation	±5%

WINDING DATA

Rotor Winding		with damping cage
Number of Leads of Stator		6
Stator Winding Resistance	Ω	1,5 at 20°C
Rotor Winding Resistance	Ω	23,5 at 20°C

STANDARD

References	EN60034-1 ISO8528-3 EN55011

E2W10 220DC

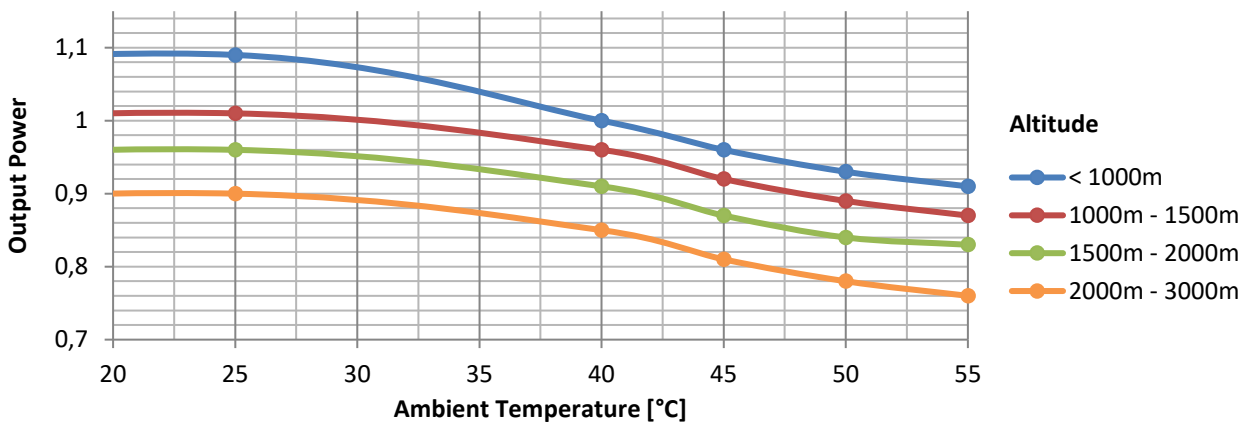
ELECTRICAL DATA		
No load voltage	V_{DC}	80
Welding voltage	V_{DC}	20-29
Regulation range	A_{DC}	40-220
Max. current at 35%	A_{DC}	220
Max. current at 60%	A_{DC}	170
Max. current at 100%	A_{DC}	130
Stator Winding Resistance	Ω	0,032 at 20°C
Electrodes type		basic; cellulosic; inox, rutile
Electrodes diameter	mm	1 - 4

MECHANICAL DATA			
Bearing non drive end			6204-2Z-C3
Bearing drive end (B3/B14 form)			6305-2Z-C3
Weight of generator	in B2	kg	\
	in B3/B14	kg	44,2
	in B3/B9	kg	43,5

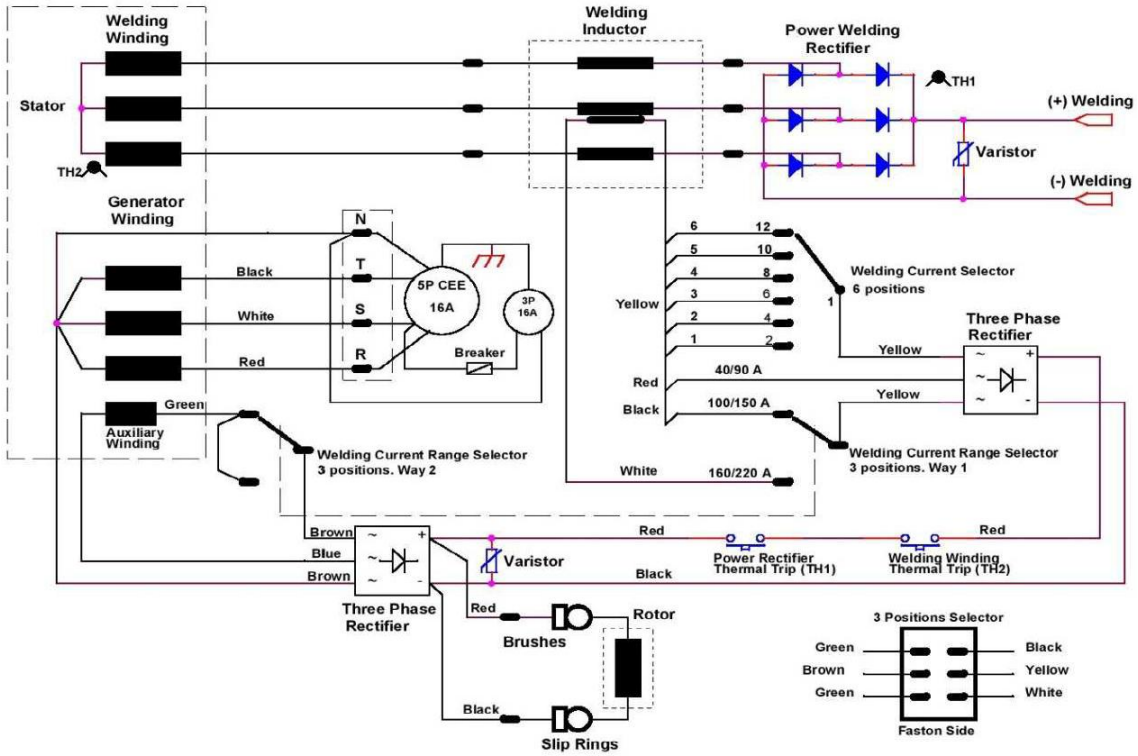
MOMENT OF INERZIA		
B3/B9	$kg \cdot m^2$	0,022
B3/B14	$kg \cdot m^2$	0,022

E2W10 220DC

DERATING CURVES

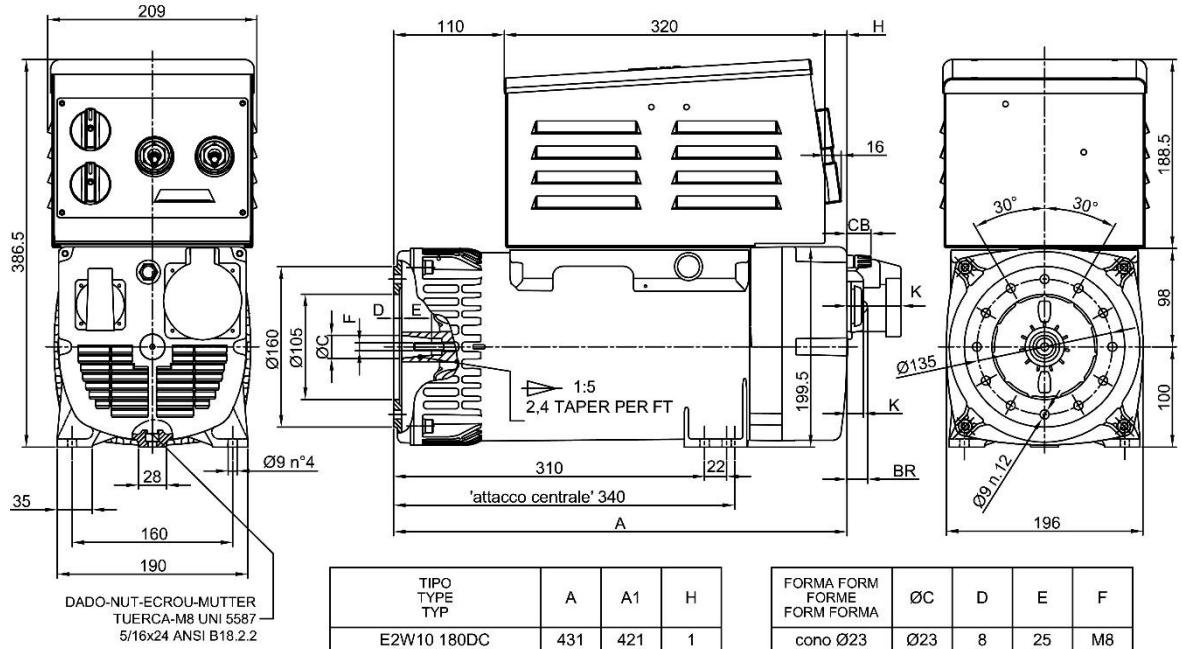


WIRING DIAGRAM



E2W10 220DC

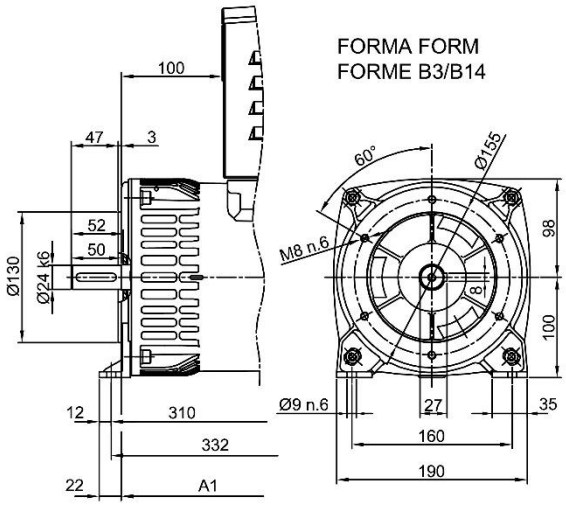
FORMA FORM FORME B3/B9

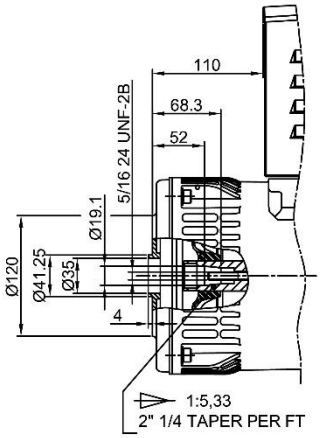


TIPO TYPE TYP	A	A1	H
E2W10 180DC	431	421	1
E2W10 220DC - 220DCK	453	443	23

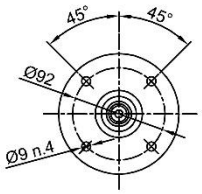
FORMA FORM FORME FORM FORMA	ØC	D	E	F
cono Ø23	Ø23	8	25	M8
cono Ø30	Ø30	16	30	M14x1.5

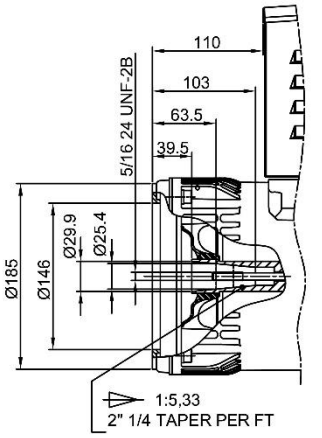
FORMA FORM
FORME B3/B14



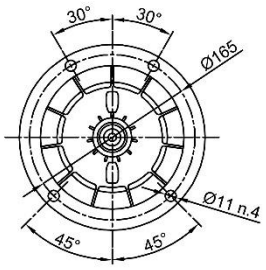


FORMA FORM
FORME J609a





FORMA FORM
FORME J609b



PRESE - SOCKETS	K
SCHUKO	16
CEE	52

BREAKER	BR
	20.5

CARICA BATTERIE BATTERY CHARGER	CB
	24