SPEEDTEC® 500S TECHNICAL SPECIFICATIONS

NAME					INDEX			
SPEEDTEC® 500S					**K14458-1**			
INPUT								
Input Voltage U_1	400V±10% 3-phase							
Rated Cycle	100%				60%			
Input Power at Rated Cycle	20kVA				25kVA			
Input Current I_{1max}	28A				35A			
Power Factor PF	0.83				0.88			
EMC Class	A							
Frequency	50/60Hz							
RATED OUTPUT AT 40°C								
Process	GMAW		FCAW		SMAW		GTAW	
Input Voltage	400V							
Open Circuit Voltage (peak) U_0	65Vdc							
Rated Cycle (based on a 10 min. period)	100%	60%	100%	60%	100%	60%	100%	60%
Output Current I_2	420A	500A	420A	500A	420A	500A	420A	500A
Output Voltage U_2	35Vdc	39Vdc	35Vdc	39Vdc	36.8Vdc	40Vdc	26.8Vdc	30Vdc
WELDING CURRENT RANGE								
Input Voltage	400V							
GMAW	20A ÷ 500A							
FCAW	20A ÷ 500A							
SMAW	15A ÷ 500A							
GTAW	15A ÷ 500A							
WELDING VOLTAGE REGULATION RANGE								
GMAW	10V ÷ 45V							
FCAW	10V ÷ 45V							
RECOMMENDED SUPPLY NETWORK CABLE AND FUSE SIZES								
Supply network cable	$4x4mm^2$							
Fuse Type gR or Circuit Breaker Type Z	32A							
DIMENSIONS AND WEIGHT								
Height	580mm							
Width	295mm							
Length (case only, without torch)	630mm							
Weight	39 kg							
OTHERS								
Protection Rating	IP23							
Maximum Gas Pressure	0.5MPa (5 bar)							
Operating Temperature	from -10°C to +40°C							
Storage Temperature	from -25°C to +55°C							
Operating Humidity (t=20°C)	≤ 90 %							

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