

SIMODRIVE base line

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Infeed type	Open-loop
Rated power	5 kW
Input voltage	3-phase AC 400 V -10% ... 3-phase AC 480 V +6% ¹⁾
Output voltage	3-phase AC 0 ... 430 V
Rated current	12.5 A
Current with undervoltage	14 A
Peak current	25 A
Conductor cross-section	6 mm ²
Module width	110 mm (4.33 in)
Heat dissipation method	
• Internal heat dissipation	Natural cooling
Losses	270 W +70/90 W
Weight, approx.	
• Single-axis unit	14 kg (30.87 lb)
• Two-axis unit	17 kg (37.49 lb)
Rated current	2 x 5 A (two-axis unit), 9 A (single-axis unit)
Peak current	2 x 10 A (two-axis unit), 18 A (single-axis unit)
Motors	1FK7...-.....-T..
Encoder	Resolver 2-pole
Encoder evaluation	Output for incremental encoder (TTL signal) 1024 S/R
Permissible ambient temperature	
• Storage and transport	-25 ... +70 °C (-13 ... +158 °F)
• Operation	-25 ... +40 °C (-13 ... +104 °F)
Dimensions (W x H x D)	110 mm x 483 mm x 271 mm (4.33 in x 19.02 in x 10.67 in)

1) Derating must be considered from 380 V.