



1FK7086-4CC71-1CA2

Remarks :

Torque constant	2.12 Nm/A
Voltage constant at 20° C	138.0 V/1000*min ⁻¹
Winding resistance at 20° C	0.31 Ω
Rotating field inductance	8.2 mH
Electrical time constant	26.50 ms
Mechanical time constant	0.45 ms
Thermal time constant	65 min
Shaft torsional stiffness	84000 Nm/rad
Net weight of the motor	23.0 kg

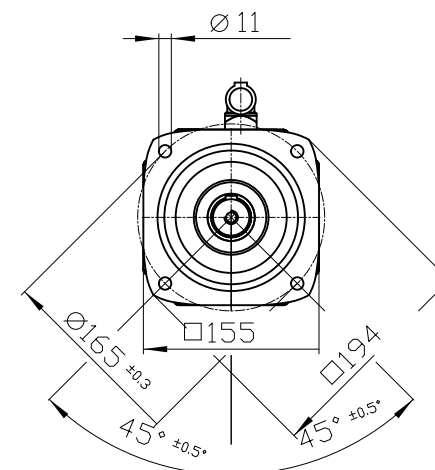
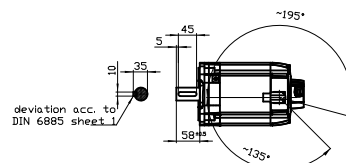
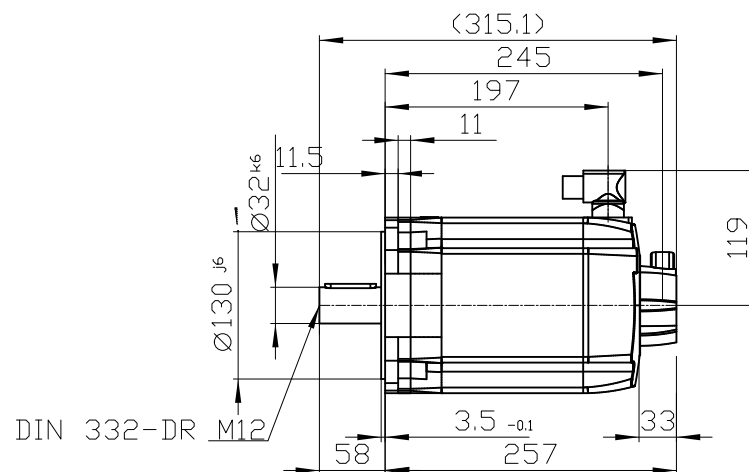
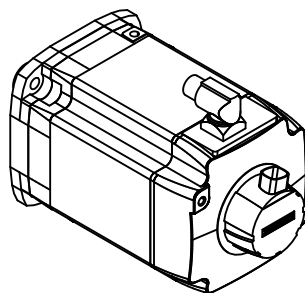


Figure similar

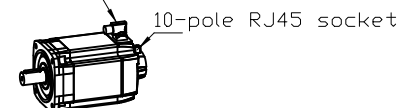
MLFB-Ordering data 1FK7086-4CC71-1CA2

Optimum operating point		Recommended Motor Module	
Optimum speed	2000 rpm	Rated inverter current	18 A
Optimum power	3.8 kW	Maximum inverter current	54 A
Limiting data		Maximum torque	90.00 Nm
Max. permissible speed (mech.)	6000 rpm		
Max. permissible speed (inverter)	4200 rpm		
Maximum torque	105.0 Nm		
Maximum current	71.0 A		

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Connector size 1 = M23;
6-pole for power and brake



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Unit	mm [in]	1FK7086-4CC71-1CA2
Date	4/13/23	
SIEMENS AG		—
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