



FSM240-30/72V

2024-09

Technical data sheet

FraisMotor FSM240-30

Multiphase electric motor with permanent magnets (PMSM), featuring a dual rotor, a controller of our design integrated into the motor body. High efficiency engine over the widest speed and torque range. Suitable for gearless direct drive placed inside hub or mounted on chassis/frame with halfshaft.

		cooling		
		air	water	combined
Continuous power	kW	11	25	35
Peak power	kW	40	50	70
Continuous torque	Nm	100	200	260
Peak torque	Nm	390	420	420
Max. speed	rpm	1650	1650	2900
Efficiency - total	%	95	95	95
Efficiency - motor	%	96	96	96
Efficiency - controller	%	99	99	99

Diameter	280 mm
Length	105 mm
Weight (including controller)	11 kg
Weight - motor	9,5 kg
Max. density	44 Nm/kg

Continuous current	200 - 500 A
Peak current	800 - 1200 A
Max. voltage	60 - 72 V

*The figures are still preliminary, indicative, based on software simulations, calculations and practical tests on our other engine models. The data are subject to change.



EXCELLENT DENSITY

44 Nm/kg

EXCELLENT DENSITY

7 kW/kg

Made in Czech Republic