Datasheet

marathon™ Motors

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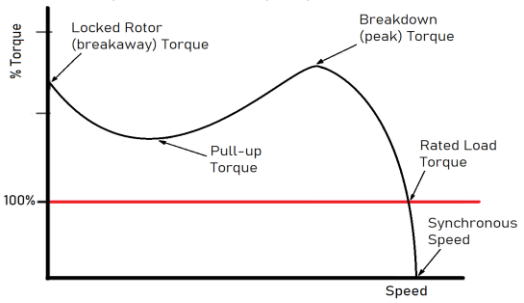
Model No. 8-Pole cage motor TCA 355M 185kW D400V 50Hz IM3011-FF740

U (V)	Δ / Y Conn	f [Hz]	P [kW]	P [hp]	I [A]	n [RPM]	T [Nm]	IE Class	% EFF at __ load FL	3/4FL	1/2FL	PF at __load FL	3/4FL	1/2FL	I_A/I_N [pu]	T_A/T_N [pu]	T_K/T_N [pu]
400	D	50	185	248	334	742	2381,1	IE3	94,5			0,84			6,13	1,51	2,30
690	Y				193												
460	D	60	213	285,5	336	892	2280,4	IE3	95,0			0,85			6,00	1,45	2,19
					194												

Motor type	**TCA355ME8E3**	Degree of protection	**IP55**
Enclosure	**Totally Enclosed Fan Cooling**	Mounting type	**IM3011-FF740**
Frame Material	**Cast iron**	Cooling method	**IC411**
Frame size	**355M**	Motor weight - approx.	**1780** kg
Duty	**S1**	Gross weight - approx.	**1830** kg
Voltage	**400** V	Motor inertia	**1,4500** kgm²
Frequency	**50** Hz		
Power output	**185** kW	Vibration level	**according IEC60034-14**
Insulation class	**F**		
Ambient temperature	**-20 till 40** °C		
Temperature rise	**-**		
Temperature rise surface		Direction of rotation	**cw /ccw**
Altitude above sea level	**1000** mtr		
Hazardous area classification	**Safe area**		**PTC 150°C**
Rotor type	**Cage motor**		
Bearing type	**6322/C3**		
Lubrication method	**60gr/6950hrs**		
Type of grease	**Chevron SRI-2**		
Country of origin	**CN**		

Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	151%	613%		230%	114 A
@ D 460V 60Hz	145%	598%		219%	

Schematic presentation of torque-speed curve



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NOTE

All performance values at rated voltage and frequency. P000019765

All performance parameters are subjected to standard tolerance as per IEC 60034-1 P000019766

Voltage, Frequency are as per IEC60034-1

Technical data are subject to change. There may be discrepancies between calculated and name plate values.

Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30

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Driving efficiency and sustainability

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