Datasheet

marathon™ Motors

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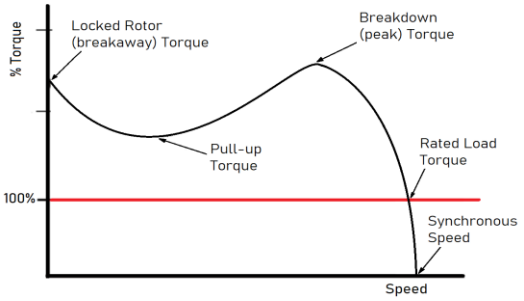
Model No. 4-Pole cage motor QCA 355L 315kW D400V 50Hz IM3011-FF740

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	315	425	541	1491	2017,6	IE4	96,7	96,3	95,7	0,87	0,86	0,80	6,40	1,90	2,50
690	Y				314												
460	D	60	353	473,2	526	1790	1883,3	IE3	96,2	96,2	96,0	0,87			6,60	1,80	2,40

Motor type	**QCA355LB4E4**	Degree of protection	**IP55**
Enclosure	**Totally Enclosed Fan Cooling**	Mounting type	**IM3011-FF740**
Frame Material	**Cast iron**	Cooling method	**IC411**
Frame size	**355L**	Motor weight - approx.	**1910** kg
Duty	**S1**	Gross weight - approx.	**1970** kg
Voltage	**400** V	Motor inertia	**11,5200** kgm²
Frequency	**50** Hz		
Power output	**315** kW	Vibration level	**according IEC60034-14**
		Noise level (pressure) acc 60034-9	**82** dB(A)
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/4000hrs**		
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	190%	639%		250%	
@ D 460V 60Hz	180%	659%		240%	

Schematic presentation of torque-speed curve



NOTE

All performance values at rated voltage and frequency. P000042077

All performance parameters are subjected to standard tolerance as per IEC 60034-1 P000054530

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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