Datasheet

marathon™ Motors

rotor WEG Group
Mors 1-5, 7151 MX Eibergen NL
www.rotor.nl tel.: +31 545 464640
sales@rotor.nl tel.: +31 545 464646

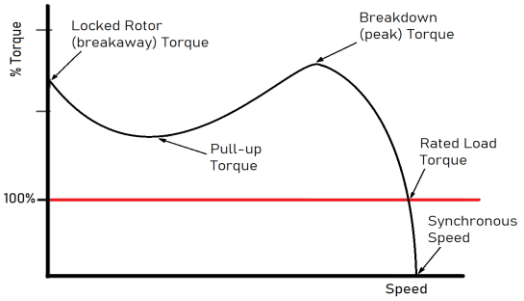
Model No. 2-Pole cage motor TCA 355L 355kW D400V 50Hz IM2001-FF740

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	355	475	601	2981	1137,3	IE3	95,8			0,89			8,60	2,80	4,00
690	Y				348												
460	D	60	408	546,9	594	3581	1088,1	IE3	95,8	95,8	94,8	0,90			8,60	2,76	3,75

Motor type	**TCA355LC2E3**	Degree of protection	**IP55**
Enclosure	**Totally Enclosed Fan Cooling**	Mounting type	**IM2001-FF740**
Frame Material	**Cast iron**	Cooling method	**IC411**
Frame size	**355L**	Motor weight - approx.	**2060** kg
Duty	**S1**	Gross weight - approx.	**2120** kg
Voltage	**400** V	Motor inertia	**5,5800** kgm²
Frequency	**50** Hz		
Power output	**355** kW	Vibration level	**according IEC60034-14**
Insulation class	**F**		
Ambient temperature	**-20 till 40** °C		
Temperature rise	**-**		
Temperature rise winding	**76** K		
Temperature rise surface	**12** K	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	**6317/C3**		
Lubrication method	**30gr/2500hrs**		
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	280%	782%		400%	148 A
@ D 460V 60Hz	276%	860%		375%	

Schematic presentation of torque-speed curve



1

NOTE

All performance values at rated voltage and frequency. P000019743

All performance parameters are subjected to standard tolerance as per IEC 60034-1 P000019744

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

rotor is a ISO 9001 certified company

Driving efficiency and sustainability

weg RTRCA