CAG Electric Machinery	CAG Electric Machinery s.r.o.	Prepared: 02.05.2018
		Revided: 11.02.2019

Data sheet three phase induction motor

Motor:	250 kW; 2p=2; 50 Hz	Motor marking:	HGL IE3 355M-2

Basic	Type:				HGL		
	Efficiency class:				IE3		
	Motor size:				355M		
	Poles:				2		
	Mounting system:			IM	B3, B5, B35		
	Cooling system:				IC 411		
Electrical parameters	Output:			P	250	280	kW
	Frequency:			f	50	60	Hz
	Rated speed:			n	2985	3582	rpm
	Efficiency 100% load:			η	95,8		%
	Power factor:			cos (φ)	0,88	0,87	-
	Connection				Δ Y	Δ	
	Rated voltage:			U_n	400 690	460	V
	Rated current:			I_n	428 248	422	A
	Locked rotor current:			I_s/I_n	7,1		-
	Rated torque:			M_n	799,8	746,5	Nm
	Locked rotor torque (M_{start}/M_{rated}) :			M_s/M_n	1,6		-
	Breakdown torque (M_{max}/ M_{rated}):			M_m/M_n	2,2		-
	Sound power level:			L_{WA}	≤ 100		dB(A)
	Vibration (half key balanced):			$s_{(derect\ fix.)}$	≤ 2,3		$mm.s^{-1}$
Insulation	Enclosure:				IP 55		
	Insulation class:				F		
Operating conditions	Duty cycle:				S1		
	Service factor:				1,00		
	Ambient temperature:				-20°C to +40°C		
	Altitude:				1000 m.a.s.l		
Bearings	Bearings:	DE	yes	6319 / C3			
		NDE	yes	6319 / C3			
Termin. box	Terminal box:	Main	yes		Placed on top		
	Cable glands:	Power	yes		Directed to right side from DE		
		Control	yes		Directed to fan		
Aux. Parts	Protection:	Winding	no				
		Bearings	no				
	Heater:		no				
Other	Color:	Frame		RAL 7030 medium shine			
		Shields		RAL 7030 medium shine			
	Aprox. weight :			m	approx. 1859		kg
	RoHS :						
	CE		yes				

Revision: R00 Bc. Radina	Confirm:	Approved: Šprincl

Values listed in the datasheet are informative only. Real values will be described on the motor nameplate. The deviatin will be minimal.