DATASHEET

Three Phase Induction Motor - Squirrel Cage

GENERAL INFORMATION

Type	D2EA200L6BB3YY	Efficiency Class	IE2
Pout [kW]	22	Vibration Class	A
Speed [rpm]	970	Weight [kg]	
Frame	200L	Degree of Protection	IP55
Current [A]	44,6	Cooling Method	IC 411
cos ϕ	0,79	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B3
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000

USE WITH VARIABLE SPEED DRIVE

ONLY ACC. EU REGULATION 640/2009

3~MOT	Type	DM 200L-6					
S1	IM B3	IP 55	I.CL.F			η%	
						IE2 - 90,9	
	V	Hz	A	kW	cos ϕ	1 / min	LOAD	EFF.
Δ	400	50	44,6	22	0,79	970	%75	89,3
Δ	480	60	44,6	26,4	0,78	1165		
							%50	88,8

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos ϕ	Efficiency	Hz
400	100	216,6	44,6	970	22000	0,78	90,9	50
400	75	161,65	35,1	976	16520	0,76	89,3	50
400	50	109,03	27,3	985	11245	0,67	88,8	50

Locked Rotor Current	Ia [A]	206,7	Breakdown Torque	Mk [Nm]	424
	Ia / In	4,63		Mk / Mn	1,96
Locked Rotor Torque	Ma [Nm]	277,7	No Load Current	[A]	18,2
	Ma / Mn	1,28	No Load Power	[W]	515

MECHANICAL DATA

DE Bearing	6312-ZZ	Sound Pressure - 50 Hz - dB[B]	87
NDE Bearing	6212-ZZ	Sound Pressure - 60 Hz - dB[B]	90
Fixed Bearing	YES	Housing Material	Aluminium
Lubrication	Optional	DE Shield Material	Cast Iron
Grease Amount	30 gr	Terminal Box Material	Aluminium
Grease Type	POLYREX EM	Cable Entry	M50
Feather Key	16*10*100	Cable Gland Position	4
Balance	G 2,5 Half Key		

MECHANICAL DIMENSIONS

A	AA	AB	AC	AD	B	B'	BA	BB	C	D	d	E	EB	F	GA
318	80,1	69,35	388	-	305	-	69,35	357	133	55	M20	110	100	16	59
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
10	200	27	403	487	24	18,5	767	-	-	-	-	-	-	-	-