DATASHEET

Three Phase Induction Motor - Squirrel Cage

GENERAL INFORMATION

Type	D3EA200L6AB3YY	Efficiency Class	IE3
Pout [kW]	18,5	Vibration Class	A
Speed [rpm]	982	Weight [kg]	
Frame	200L	Degree of Protection	IP55
Current [A]	42,5	Cooling Method	IC 411
cos ϕ	0,69	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B3
Ambient Temp. [°C]	-20…+40	Altitude above sea [m]	1000

3~MOT		Type	DM 200-6					η%
S1		IM B3		IP 55	I.CL.F			IE3 - 91,7
	V	Hz	A	kW	cos ϕ	1 / min	LOAD	EFF.
Δ	400	50	42,5	18,5	0,69	982	%75	90,5
Y	690	50	24,5	18,5	0,69	982		
Δ	460	60	35,4	18,5	0,66	1178	%50	89,4
Δ	480	60	42,5	22,2	0,68	1175		

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos ϕ	Efficiency	Hz
400	100	179,91	42,5	982	18500	0,69	91,7	50
400	75	134,25	36	987	13875	0,61	90,5	50
400	50	89,23	30,7	990	9250	0,49	89,4	50

Locked Rotor Current	Ia [A]	240	Breakdown Torque	Mk [Nm]	478
	Ia / In	5,65		Mk / Mn	2,66
Locked Rotor Torque	Ma [Nm]	463	No Load Current	[A]	26
	Ma / Mn	2,57	No Load Power	[W]	840

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	-	-	-	-	-	-	-	-