





Single Phase Induction Motor - Squirrel Cage

GENERAL INFORMATION

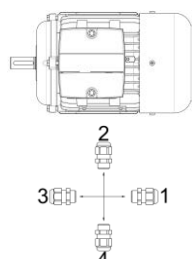
Type	DS63M4B35	Efficiency Class	IE1
Pout [kW]	0,12	Vibration Class	A
Speed [rpm]	1430	Weight [kg]	5
Frame	63M	Degree of Protection	IP55
Current [A]	1,1	Cooling Method	IC 411
cos φ	0,91	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B35
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000

   					
1~MOT	Type	DS63M4A			
S1	IM B35	IP 55	I.C.L.F	IE1 - 52,0	
V	Hz	A	kW	cos φ	1 / min
Δ 230	50	1,1	0,12	0,91	1430

ELECTRICAL DATA

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
230	100	1,24	1,1	1430	120	0,91	52	50
Locked Rotor Current	Ia [A]	3,45	Breakdown Torque	Mk [Nm]	2,20			
	Ia / In	2,30		Mk / Mn	1,80			
Locked Rotor Torque	Ma [Nm]	1,0	No Load Current	[A]	0,92			
	Ma / Mn	2,30	No Load Power	[W]	86,6			

MECHANICAL DATA

DE Bearing	6201-ZZ	Sound Pressure - 50 Hz - dB[B]	75	
NDE Bearing	6201-ZZ	Sound Pressure - 60 Hz - dB[B]	76	
Fixed Bearing	NO	Housing Material	Aluminium	
Lubrication	-	DE Shield Material	Aluminium	
Grease Amount	-	Terminal Box Material	Polyamide	
Grease Type	-	Cable Entry	PG 11	
Feather Key	4*4*16	Cable Gland Position	4	
Balance	G 1,6 Half Key			

MECHANICAL DIMENSIONS

H	HD	HA	A	AB	AC Ø	AK Ø	K	K1	B	BB	L	LC	LK	C	E	DB	DØ	GA	FXGD
	~										~		~		EA	DC	DAØ	GC	FAXGF
63	189	10	100	125	121	116	7	11	80	103	215	242	245	40	23	M4	11	12.5	4X4

