

DATASHEET

Three Phase Induction Motor - Squirrel Cage

GENERAL INFORMATION

Type	D3EA132M4AB3	Efficiency Class	IE3
Pout [kW]	7,5	Vibration Class	A
Speed [rpm]	1458	Weight [kg]	
Frame	132M	Degree of Protection	IP55
Current [A]	14,5	Cooling Method	IC 411
cos φ	0,82	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B3
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000

		CE		TSE		QR	
3~MOT	Type	DM 132M-4					
		η%					
S1	IM B3	IP 55	I.C.L.F.				IE3 - 90,4
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 400	50	14,5	7,5	0,82	1458	%75	89,5
Y 690	50	8,4	7,5	0,82	1458		
Δ 460	60	12,8	7,5	0,8	1758	%50	90
Δ 480	60	14,5	9	0,81	1752		

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	49,13	14,5	1458	7500	0,82	90,4	50
400	75	36,69	11,8	1464	5625	0,77	89,5	50
400	50	24,2	9,5	1480	3750	0,63	90	50

Locked Rotor Current	Ia [A]	113	Breakdown Torque	Mk [Nm]	191,5
	Ia / In	7,79		Mk / Mn	3,90
Locked Rotor Torque	Ma [Nm]	178,7	No Load Current	[A]	7,1
	Ma / Mn	3,64	No Load Power	[W]	406

MECHANICAL DATA

DE Bearing	6208-ZZ	Sound Pressure - 50 Hz - dB[B]	83
NDE Bearing	6208-ZZ	Sound Pressure - 60 Hz - dB[B]	86
Fixed Bearing	NO	Housing Material	Aluminium
Lubrication	-	DE Shield Material	Aluminium
Grease Amount	-	Terminal Box Material	Polyamide
Grease Type	-	Cable Entry	PG 21
Feather Key	10*8*70	Cable Gland Position	4
Balance	G 1,6 Half Key		

MECHANICAL DIMENSIONS

A	AA	AB	AC	AD	B	B'	BA	BB	C	D	d	E	EB	F	GA
216	58.5	37,4	258,5	-	178	-	37,4	218,3	89	38	M12	80	70	10	41
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
8	132	16	262,6	316,6	28,2	12	520	-	-	-	-	-	-	-	-

