



GENERAL INFORMATION

Type	D3EG250M2AB3	Efficiency Class	IE3
Pout [kW]	55	Vibration Class	A
Speed [rpm]	2962	Weight [kg]	
Frame	250M	Degree of Protection	IP55
Current [A]	92,1	Cooling Method	IC 411
cos φ	0,91	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 250-2			η%	
		S1	IM B3	IP 55	I.C.L.F.		IE3 - 94,3		
	V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ	400	50	92,1	55	0,91	2962	%75	92,8	
Y	690	50	53,2	55	0,91	2962			
Δ	460	60	80,1	55	0,94	3571	%50	93,1	
Δ	480	60	92,1	66	0,91	3555			

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	177,33	92,1	2962	55000	0,91	94,3	50
400	75	132,24	69,7	2979	41250	0,92	92,8	50
400	50	87,95	46,8	2986	27500	0,91	93,1	50

Locked Rotor Current	Ia [A]	725	Breakdown Torque	Mk [Nm]	561
	Ia / In	7,87		Mk / Mn	3,16
Locked Rotor Torque	Ma [Nm]	433	No Load Current	[A]	19
	Ma / Mn	2,44	No Load Power	[W]	1850

MECHANICAL DATA

DE Bearing	6315-ZZ	Sound Pressure - 50 Hz - dB[B]	97
NDE Bearing	6313-ZZ	Sound Pressure - 60 Hz - dB[B]	103
Fixed Bearing	YES	Housing Material	Cast Iron
Lubrication	Optional	DE Shield Material	Cast Iron
Grease Amount	30 gr	Terminal Box Material	Aluminium
Grease Type	POLYREX EM	Cable Entry	M50
Feather Key	18*11*125	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
406	82	75	432	-	349	-	75	410	168	60	M20	140	125	18	64
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
11	250	30	466	550	24	24	920,5	-	-	-	-	-	-	-	-

