



GENERAL INFORMATION

Type	D3EG280M2AB35	Efficiency Class	IE3
Pout [kW]	90	Vibration Class	A
Speed [rpm]	2982	Weight [kg]	
Frame	280M	Degree of Protection	IP55
Current [A]	151	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

 		3~MOT		Type	DM 280M-2			η%	
							IE3 - 95		
S1		IM B35		IP 55		I.C.L.F.			
	V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ	400	50	151	90	0,91	2982	%75	94,5	
Y	690	50	87,4	90	0,91	2982			
Δ	460	60	132	90	0,91	3583	%50	93,8	
Δ	480	60	151	108	0,91	3582			

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	288,23	151	2982	90000	0,91	95	50
400	75	215,88	114,8	2986	67500	0,9	94,5	50
400	50	143,68	80,7	2991	45000	0,86	93,8	50

Locked Rotor Current	Ia [A]	1340	Breakdown Torque	Mk [Nm]	938
	Ia / In	8,87		Mk / Mn	3,25
Locked Rotor Torque	Ma [Nm]	724	No Load Current	[A]	34,3
	Ma / Mn	2,51	No Load Power	[W]	2736

MECHANICAL DATA

DE Bearing	6315-ZZ	Sound Pressure - 50 Hz - dB[B]	101
NDE Bearing	6315-ZZ	Sound Pressure - 60 Hz - dB[B]	108
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
457	120	85	545	-	419	386	85	474	190	65	M20	140	125	18	69
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
11	280	40	530	629,9	24	24	970	24	946	500	450	550	18,5	8	5

