



GENERAL INFORMATION

Type	D2EG280S2AB35	Efficiency Class	IE2
Pout [kW]	75	Vibration Class	A
Speed [rpm]	2975	Weight [kg]	
Frame	280S	Degree of Protection	IP55
Current [A]	127,4	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

USE WITH VARIABLE SPEED DRIVE ONLY ACC. EU REGULATION 640/2009							
						3~MOT	Type
				η%			
S1	IM B35	IP 55	I.C.L.F		IE2 - 93,8		
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 400	50	127,4	75	0,91	2975	%75	93,7
Δ 480	60	127,4	90	0,9	3570	%50	93,5

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	240,76	127,4	2975	75000	0,91	93,8	50
400	75	180,2	95	2981	56250	0,91	93,7	50
400	50	119,89	65	2987	37500	0,89	93,5	50

Locked Rotor Current	Ia [A]	879	Breakdown Torque	Mk [Nm]	590
	Ia / In	6,90		Mk / Mn	2,45
Locked Rotor Torque	Ma [Nm]	445	No Load Current	[A]	21,1
	Ma / Mn	1,85	No Load Power	[W]	2164

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	-	368	419	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

