

GENERAL INFORMATION

Type	D3EG280S2AB3	Efficiency Class	IE3
Pout [kW]	75	Vibration Class	A
Speed [rpm]	2980	Weight [kg]	
Frame	280S	Degree of Protection	IP55
Current [A]	125,5	Cooling Method	IC 411
cos φ	0,92	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 280S-2			η%	
S1		IM B3		IP 55		I.C.L.F.		IE3 - 94,7
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ 400	50	125,5	75	0,92	2980	%75	94,3	
Y 690	50	72,8	75	0,92	2980			
Δ 460	60	110	75	0,92	3582	%50	94	
Δ 480	60	125,5	90	0,92	3580			

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	240,35	125,5	2980	75000	0,92	94,7	50
400	75	179,9	95,1	2986	56250	0,91	94,3	50
400	50	119,73	65,9	2991	37500	0,87	94	50

Locked Rotor Current	Ia [A]	1030	Breakdown Torque	Mk [Nm]	712
	Ia / In	8,21		Mk / Mn	2,96
Locked Rotor Torque	Ma [Nm]	528	No Load Current	[A]	25,5
	Ma / Mn	2,20	No Load Power	[W]	2324

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	-	-	-	-	-	-	-	-

