

### GENERAL INFORMATION

Type	D3EG280S4AB35	Efficiency Class	IE3
Pout [kW]	75	Vibration Class	A
Speed [rpm]	1483	Weight [kg]	
Frame	280S	Degree of Protection	IP55
Current [A]	134	Cooling Method	IC 411
cos φ	0,85	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 280S-4				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	134	75	0,85	1483	%75	95	
Y	690	50	77,5	75	0,85	1483			
Δ	460	60	116,8	75	0,84	1785	%50	94,7	
Δ	480	60	134	90	0,85	1783			

### ELECTRICAL DATA ( RAW MEASUREMENT DATA )

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	482,97	134	1483	75000	0,85	95	50
400	75	361,01	104	1488	56250	0,82	95	50
400	50	240,03	76,7	1492	37500	0,75	94,7	50

  

Locked Rotor Current	Ia [A]	947	Breakdown Torque	Mk [Nm]	1210
	Ia / In	7,07		Mk / Mn	2,51
Locked Rotor Torque	Ma [Nm]	1120	No Load Current	[A]	44
	Ma / Mn	2,32	No Load Power	[W]	1380

### MECHANICAL DATA

DE Bearing	6316-ZZ	Sound Pressure - 50 Hz - dB[B]	101
NDE Bearing	6316-ZZ	Sound Pressure - 60 Hz - dB[B]	104
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	20*12*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	75	M20	140	125	20	79,5
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
12	280	40	530	629,9	24	24	970	24	946	500	450	550	18,5	8	5

