

GENERAL INFORMATION

Type	D3EA90L2AB35YY	Efficiency Class	IE3
Pout [kW]	2,2	Vibration Class	A
Speed [rpm]	2900	Weight [kg]	
Frame	90L	Degree of Protection	IP55
Current [A]	7,8	Cooling Method	IC 411
cos φ	0,82	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 90L-2			η%	
S1		IM B35		IP 55		I.C.L.F.		IE3 - 85,9
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ 230	50	7,8	2,2	0,82	2900	%75	83,5	
Y 400	50	4,5	2,2	0,82	2900			
Y 460	60	4,1	2,2	0,81	3483	%50	80,2	
Y 480	60	4,5	2,64	0,82	3480			

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	7,24	4,5	2900	2200	0,82	85,9	50
400	75	5,39	3,7	2925	1650	0,77	83,5	50
400	50	3,58	3	2950	1105	0,66	80,2	50

Locked Rotor Current	Ia [A]	38,6	Breakdown Torque	Mk [Nm]	30
	Ia / In	4,95		Mk / Mn	4,14
Locked Rotor Torque	Ma [Nm]	24,2	No Load Current	[A]	2,4
	Ma / Mn	3,34	No Load Power	[W]	170

MECHANICAL DATA

DE Bearing	6205-ZZ	Sound Pressure - 50 Hz - dB[B]	80
NDE Bearing	6205-ZZ	Sound Pressure - 60 Hz - dB[B]	87
Fixed Bearing	YES	Housing Material	Aluminium
Lubrication	-	DE Shield Material	Aluminium
Grease Amount	-	Terminal Box Material	Polyamide
Grease Type	-	Cable Entry	PG 11
Feather Key	8*7*40	Cable Gland Position	4
Balance	G 1,6 Half Key		

MECHANICAL DIMENSIONS

A	AA	AB	AC	AD	B	B'	BA	BB	C	D	d	E	EB	F	GA
140	40,1	35	178	-	125	-	35	155	56	24	M8	50	40	8	27
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
7	90	13,1	177	225	15	10	370	10	360	165	130	200	12	4	3,5

