

GENERAL INFORMATION

Type	D3EA90L4AB35	Efficiency Class	IE3
Pout [kW]	1,5	Vibration Class	A
Speed [rpm]	1445	Weight [kg]	
Frame	90L	Degree of Protection	IP55
Current [A]	6,4	Cooling Method	IC 411
cos φ	0,69	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-4			η%	
S1		IM B35		IP 55		I.C.L.F.		IE3 - 85,3
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ 230	50	6,4	1,5	0,69	1445	%75	84,1	
Y 400	50	3,7	1,5	0,69	1445			
Y 460	60	3,2	1,5	0,7	1737	%50	81,3	
Y 480	60	3,7	1,8	0,7	1735			

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
230	100	9,91	6,4	1445	1500	0,69	85,3	50
230	75	7,36	5,5	1460	1125	0,61	84,1	50
230	50	4,86	5	1475	750	0,46	81,3	50

Locked Rotor Current	Ia [A]	28,6	Breakdown Torque	Mk [Nm]	46,2
	Ia / In	4,47		Mk / Mn	4,66
Locked Rotor Torque	Ma [Nm]	43,7	No Load Current	[A]	2,59
	Ma / Mn	4,41	No Load Power	[W]	154

MECHANICAL DATA

DE Bearing	6205-ZZ	Sound Pressure - 50 Hz - dB[B]	75
NDE Bearing	6205-ZZ	Sound Pressure - 60 Hz - dB[B]	76
Fixed Bearing	NO	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	40,5	33,2	178	-	125	-	33,2	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	12	177	225	15	10	384	9,8	374,2	165	130	200	12	4	3,5

