



WAT Motor
Sanayi ve Ticaret A.Ş.

Three Phase Squirrel Cage Induction Motor

Motor Type: Q3NFA100S4C40



Electrical Data

RATED VALUES							STARTING VALUES				BREAKDOWN	EFFICIENCY			EFFICIENCY CLASS
VOLTAGE	POWER		SPEED	CURRENT	TORQUE	Cos φ	CURRENT		TORQUE		TORQUE	%			IEC 60034-30-1
V	kW	Hz	rpm	A	Nm	4/4	I _A / I _N Y D		M _A / M _N Y D		M _k / M _N Nm	4/4	3/4	2/4	IE
230/400	2,2	50	1443	8,3/4,8	14,60	0,78	8,0	-	3,2	-	3,9	IE3-86,7%	85,8%	84,1%	IE3

Mechanical Data

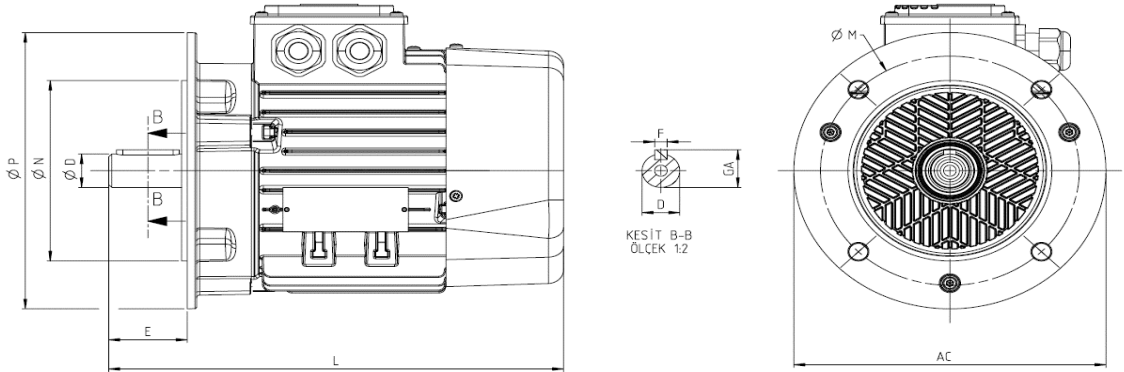
Bearing DE	6206-ZZ	Color	RAL 7031
Bearing NDE	6206-ZZ	Motor protection	PTC
Lubricants	Shell Gadus S2 V100Q 2	Method of cooling	IC 411
Condensation drain hole	No	Terminal box position	Top
External earthing terminal	Yes	Material of terminal box	Aluminium
Vibration class	A	Terminal plate thread	M4
Insulation class	F	Cable gland	1xM25
Duty type	S1	Clamping range	13-18 mm
Direction of rotation	Clockwise	Mounting type	IM 3001 (B5)
Housing material	Aluminium		
Type of balancing	Half Key		

Enviromental Data

Others

Ambient temperature	-20 / + 40 °C	Type of protection	IP 56
Altitude above sea level	1000 m	Sound pressure level	dBA 48
		Moment of inertia (kg.m ²)	0,0064849
		Standard	IEC 60034-1
		Weight (kg)	20,4

Dimensions



Main Dimensions		Foot Mounted Motors						Shaft				Flange Mounted Motors			
AC	L	B	A	H	HD	K	C	D	E	GA	F	P	N	M	R
248,9	340	-	-	-	-	-	-	28	60	31	8	248,9	180	215	-