



WAT Motor
Sanayi ve Ticaret A.Ş.

Three Phase Squirrel Cage Induction Motor

Motor Type: Q3NFA90S4C40



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	1,1	50	1433	4,3/2,5	7,33	0,77	6,9	2,9	3,6	IE3-84,1	83,8	82,3	IE3
265/460	1,1	60	1745	3,8/2,2	6,02	0,73	6,7	2,8	3,5	IE3-86,5	86,2	84,6	IE3

Mechanical Data

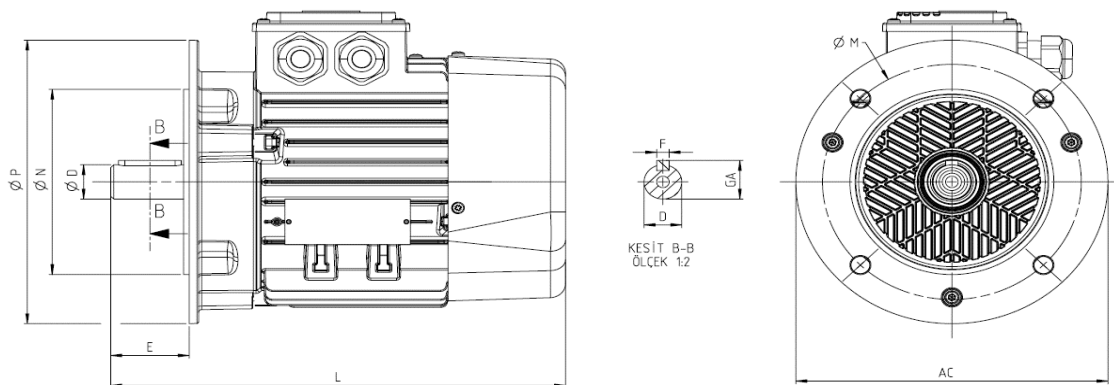
Bearing DE	6205-ZZ	Color	RAL 7031
Bearing NDE	6205-ZZ	Motor protection	PTC
Lubricants	Shell Gadus S2 V100Q.2	Method of cooling	IC 411
Condensation drain hole	No	Terminal box position	Top
External earthing terminal	Yes	Material of terminal box	Aluminium
Vibration class	A	Terminal plate thread	M4
Insulation 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		

Environmental Data

Others

Ambient temperature	-20 / + 40 °C	Type of protection	IP 56
Altitude above sea level	1000 m	Sound pressure level	dBA 45,3
		Moment of inertia (kg.mm ²)	2082,08
		Standard	IEC 60034-1
		Weight (kg)	12,6

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
198.9	290	-	-	-	-	-	-	24	50	27	8	198.9	130	165	-