



WAT Motor
Sanayi ve Ticaret A.Ş.

Three Phase Squirrel Cage Induction Motor

Motor Type: Q3NFA90L4D40



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
230/400V	1,5	50	1433	5,9/3,4	10,00	0,76	7,3	3,2	3,9	IE3-85,3	85,0	83,5	IE3
265/460	1,5	60	1743	5,2/3	8,22	0,73	7,1	3	3,8	IE3-86,5	86,2	84,7	IE3

Mechanical Data

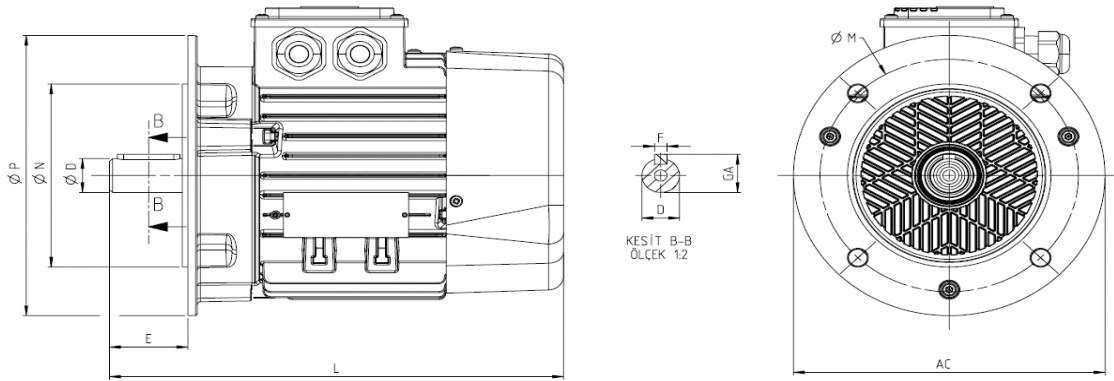
Bearing DE	6205-ZZ	Color	RAL 7031
Bearing NDE	6205-ZZ	Motor protection	PTC
Lubricants	Shell Gadus S2 V100Q 2	Method of cooling	IC 411
Condensation drain hole	No	Terminal box position	Top
External earthing terminal	Yes	Material of terminal box	Aluminium
Vibration class	A	Terminal plate thread	M4
Insulation 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	46
		Moment of inertia (kg.mm ²)	2568,26
		Standard	IEC 60034-1
		Weight (kg)	15,7

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
176	320	-	-	-	-	-	-	24	50	27	8	198.9	130	165	-