



WAT Motor
Sanayi ve Ticaret A.Ş.

Three Phase Squirrel Cage Induction Motor

Motor Type: Q3N90S4C40



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	Mk/ Mn 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

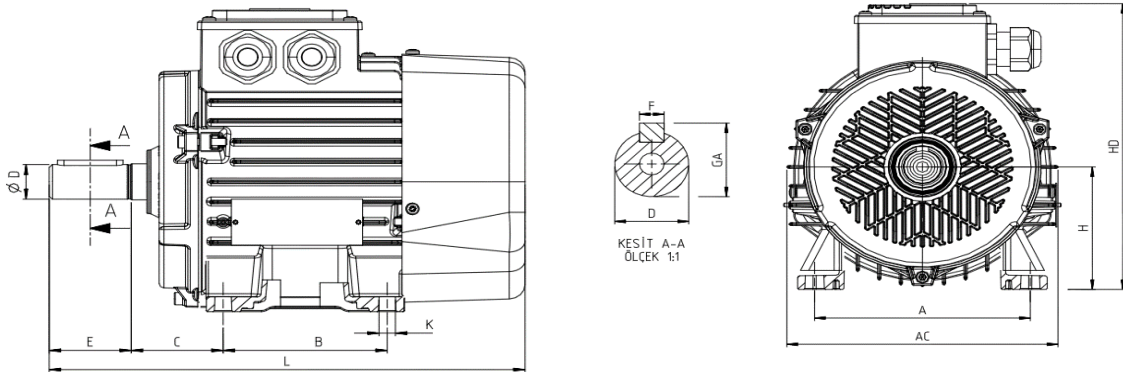
Bearing DE	6205-ZZ	Color	RAL 7031
Bearing NDE	6205-ZZ	Motor protection	PTC
Lubricants	Shell Gadus S2 V100Q 2	Method of cooling	IC 411
Condensation drain hole	No	Terminal box position	Top
External earthing terminal	Yes	Material of terminal box	Aluminium
Vibration class	A	Terminal plate thread	M4
Insulation class	F	Cable gland	1xM25
Duty type	S1	Clamping range	13-18 mm
Direction of rotation	Clockwise	Mounting type	IM 1001 (B3)
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)	12,5

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	290	100	140	90	210	10	56	24	50	27	8	-	-	-	-