

Three Phase Squirrel Cage Induction Motor



Motor Type: TA3-90S-2 B3

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	I_D	M_A / M_N	M_k / M_n	4/4	3/4	2/4	IE	
							Y	D	Y	D	Nm				
230/400	1,5	50	2885	5,3/3,1	4,96	0,83	7,4		2,9		3,5	IE3-84,2	83,9	83,4	IE3
265/460	1,5	60	3501	4,6/2,7	4,09	0,82	7,2		2,7		3,4	IE3-85,5	85,2	84,7	IE3

Mechanical Data

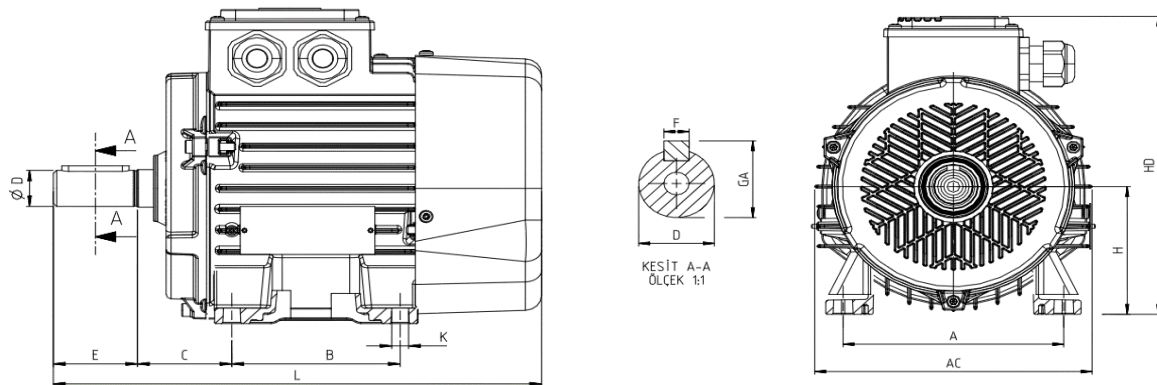
<i>Bearing DE</i>	6205-ZZ	<i>Color</i>	RAL 7030
<i>Bearing NDE</i>	6205-ZZ	<i>Motor protection</i>	PTC
<i>Lubricants</i>	Shell Gadus S2 V100Q 2	<i>Method of cooling</i>	IC 411
<i>Condensation drain hole</i>	No	<i>Terminal box position</i>	Top
<i>External earthing terminal</i>	Yes	<i>Material of terminal box</i>	Aluminium
<i>Vibration class</i>	A	<i>Terminal plate thread</i>	M4
<i>Insulation class</i>	F	<i>Cable gland</i>	1xM25
<i>Duty type</i>	S1	<i>Clamping range</i>	13-18 mm
<i>Direction of rotation</i>	Clockwise	<i>Mounting type</i>	IM 1001 (B3)
<i>Housing material</i>	Aluminium		
<i>Type of balancing</i>	Half Key		

Environmental Data

Others

<i>Ambient temperature</i>	-20 / + 40 °C	<i>Type of protection</i>	IP 56
<i>Altitude above sea level</i>	1000 m	<i>Sound pressure level</i>	61,3 dBA
		<i>Moment of inertia (kg.m2)</i>	0,0018483
		<i>Standard</i>	IEC 60034-1
		<i>Weight (kg)</i>	12,4

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
176	290	100	140	90	210	10	56	24	50	27	8	-	-	-	-