



WAT Motor
Sanayi ve Ticaret A.Ş.



Three Phase Squirrel Cage Induction Motor

Motor Type: Q3H160L8D

Electrical Data

RATED VALUES							STARTING VALUES				BREAKDOWN	EFFICIENCY			EFFICIENCY CLASS
VOLTAGE	POWER		SPEED	CURRENT	TORQUE	Cos Φ	CURRENT		TORQUE	TORQUE				IEC 60034-30-1	
							I _A / I _N		M _A / M _N	M _k / M _N					
V	kW	Hz	rpm	A	Nm	4/4	Y	D	Y	D	Nm	4/4	3/4	2/4	IE
400/690	7,5	50	730	23,84/13,8	98,1	0,53		4,08		2,47	2,50	87,3	86,6	83,7	IE3
460/795	7,5	60	883	21,3/12,3	81,1	0,50		3,89		2,74	3,31	89,5	88,8	85,8	IE3

Mechanical Data

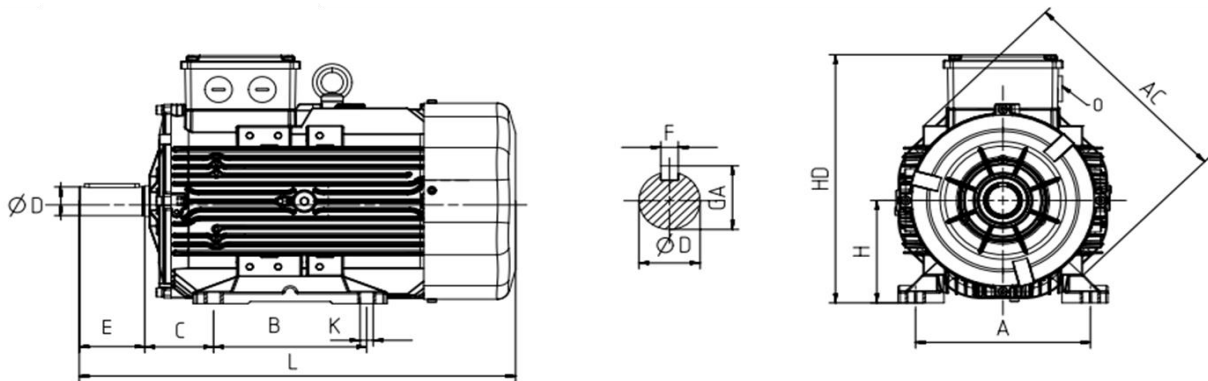
Bearing DE	6309-ZZ	Color	Optional
Bearing NDE	6209-ZZ	Motor protection	Optional
Lubricants	Shell Gadus S5 V220-2	Method of cooling	IC 411
Condensation drain hole	No	Terminal box position	Top
External earthing terminal	Yes	Material of terminal box	Aluminium
Vibration class	A	Terminal plate thread	M6
Insulation class	F	Cable gland	1xM32
Duty type	S1	Clamping range	18-25 mm
Direction of rotation	Clockwise	Mounting type	IM 1001 (B3)
Housing material	Aluminum		
Type of balancing	Half Key		

Environmental Data

Others

Ambient temperature	-20 / + 40 °C	Type of protection	IP56
Altitude above sea level	1000 m	Sound pressure level 50/60Hz	75 dBA
		Moment of inertia (kgm^2)	0,10832
		Standard	IEC 60034-1
		Weight (kg)	107,0

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	S
305	591	210-254	254	160	378	14,5	108	42	110	45	12				