



WAT Motor
Sanayi ve Ticaret A.Ş.



Three Phase Squirrel Cage Induction Motor

Motor Type: Q3HFA160L2D

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	D	M_A / M_N	Mk/ Mn Nm	4/4	3/4	2/4	IE
400/690	22	50	2961	39,1/22,5	71,0	0,87		11,7	3,6	5,2	92,7	92,4	91,3	IE3
460/795	22	60	3562	35,2/20,3	59,0	0,88		13,00	4,00	6,88	91,7	92,3	91,2	IE3

Mechanical Data

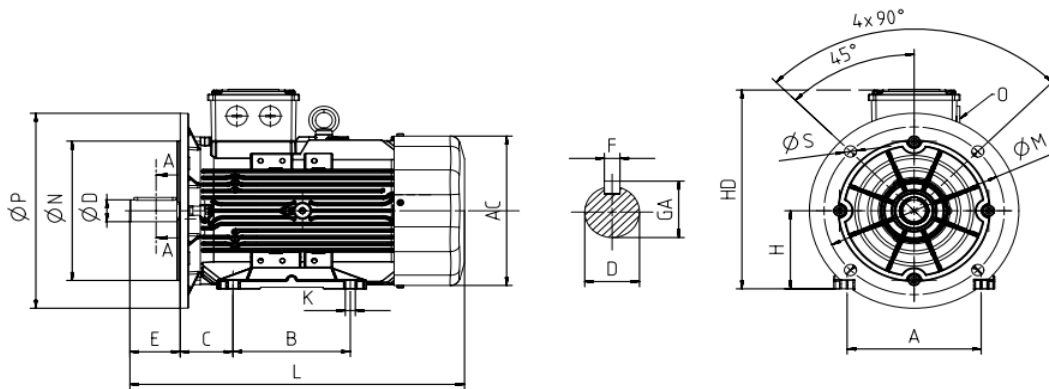
Bearing DE	6309-ZZ	Color	Optional
Bearing NDE	6209-ZZ	Motor protection	Optional
Lubricants	Shell Gadus S5 V220-2	Method of cooling	IC 411
Condensation drain hole	No	Terminal box position	Top
External earthing terminal	Yes	Material of terminal box	Aluminium
Vibration class	A	Terminal plate thread	M6
Insulation class	F	Cable gland	1xM32
Duty type	S1	Clamping range	18-25 mm
Direction of rotation	Clockwise	Mounting type	IM 3001 (B5)
Housing material	Aluminium		
Type of balancing	Half Key		

Enviromental Data

Others

Ambient temperature	-20 / + 40 °C	Type of protection	IP56
Altitude above sea level	1000 m	Sound pressure level 50/60Hz	dBA 75
		Moment of inertia (kgm ²)	0,05540
		Standard	IEC 60034-1
		Weight (kg)	118,0

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							42	110	45	12	350	250	300	18,5