



WAT Motor
Sanayi ve Ticaret A.Ş.



Three Phase Squirrel Cage Induction Motor

Motor Type: Q3H180M2A

Electrical Data

RATED VALUES							STARTING VALUES				BREAKDOWN	EFFICIENCY			EFFICIENCY CLASS
VOLTAGE V	POWER kW Hz		SPEED rpm	CURRENT A	TORQUE Nm	Cos φ 4/4	CURRENT I_A / I_N		TORQUE M_A / M_N		TORQUE Mk / Mn Nm	EFFICIENCY			IEC 60034-30-1 IE
	Y	D					Y	D	4/4	3/4		2/4			
400/690	22	50	2960	37,0/21,4	71,0	0,92		11,2	3,2	4,2	92,7	92,5	91,3	IE3	
460/795	22	60	3570	33,4/19,3	58,8	0,89		12,44	3,55	5,55	91,7	91,5	90,1	IE3	

Mechanical Data

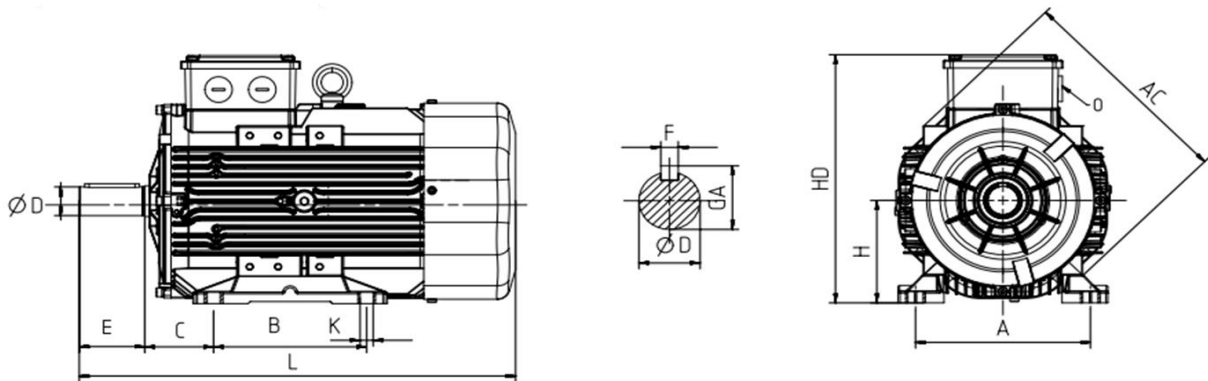
Bearing DE	6310-ZZ	Color	Optional
Bearing NDE	6310-ZZ	Motor protection	Optional
Lubricants	Shell Gadus S5 V220-2	Method of cooling	IC 411
Condensation drain hole	No	Terminal box position	Top
External earthing terminal	Yes	Material of terminal box	Aluminium
Vibration class	A	Terminal plate thread	M8
Insulation class	F	Cable gland	1xM40
Duty type	S1	Clamping range	22-32 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	76 dBA
		Moment of inertia (kgm ²)	0,09460
		Standard	IEC 60034-1
		Weight (kg)	135,0

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
349	696	241-279	279	180	437	14,5	121	48	110	51,5	14				