



WAT Motor
Sanayi ve Ticaret A.Ş.



Three Phase Squirrel Cage Induction Motor

Motor Type: Q4HFA180M2B

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	D	Mk/ Mn Nm	4/4	3/4	2/4	IE
400/690	22	50	2970	37,6/21,8	70,7	0,90		13,0		3,9	5,2	94	94	93,1	IE4
460/795	22	60	3575	34,1/19,7	58,8	0,87		9,0		5,6	6,1	93	92,9	91,8	IE4

Mechanical Data

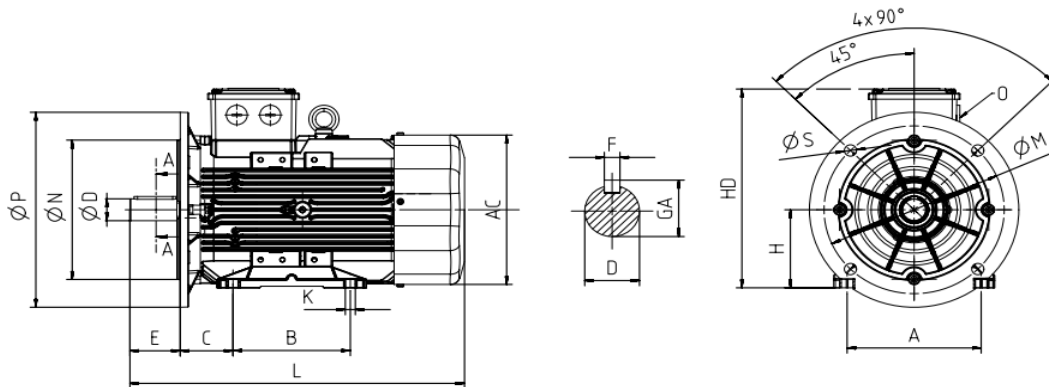
Bearing DE	6310-ZZ	Color	Optional
Bearing NDE	6310-ZZ	Motor protection	Optional
Lubricants	Shell Gadus S5 V220-2	Method of cooling	IC 411
Condensation drain hole	No	Terminal box position	Top
External earthing terminal	Yes	Material of terminal box	Aluminium
Vibration class	A	Terminal plate thread	M8
Insulation class	F	Cable gland	1xM40
Duty type	S1	Clamping range	22-32 mm
Direction of rotation	Clockwise	Mounting type	IM 3001 (B5)
Housing material	Aluminum		
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)	0,09831
		Standard	IEC 60034-1
		Weight (kg)	142,8

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							48	110	51,5	14	350	250	300	18,5