



WAT Motor
Sanayi ve Ticaret A.Ş.



Three Phase Squirrel Cage Induction Motor

Motor Type: Q3HFA180M4B

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	M _k / M _n	Nm	4/4	3/4	2/4	IE
400/690	18,5	50	1475	33,9/19,6	119,8	0,85		9,0		2,9	3,5		92,6	92,6	91,5	IE3
460/795	18,5	60	1785	29,9/17,3	99,0	0,84		8,59		3,22	4,63		93,6	93,6	92,6	IE3

Mechanical Data

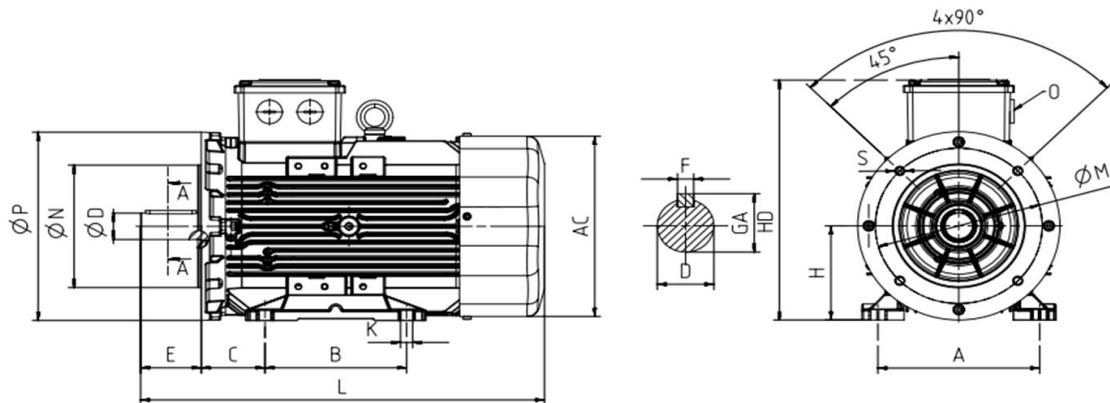
Bearing DE	6310-ZZ	Color	Optional
Bearing NDE	6310-ZZ	Motor protection	Optional
Lubricants	Shell Gadus S5 V220-2	Method of cooling	IC 411
Condensation drain hole	No	Terminal box position	Top
External earthing terminal	Yes	Material of terminal box	Aluminium
Vibration class	A	Terminal plate thread	M8
Insulation class	F	Cable gland	1xM40
Duty type	S1	Clamping range	22-32 mm
Direction of rotation	Clockwise	Mounting type	IM 2101 (B34-B)
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 65
		Moment of inertia (kgm^2)	0,18660
		Standard	IEC 60034-1
		Weight (kg)	145,0

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

B34b