



WAT Motor
Sanayi ve Ticaret A.Ş.



Three Phase Squirrel Cage Induction Motor

Motor Type: Q3HSFA180M4B

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	1474	36,7/21,2	119,9	0,79		7,3		2,7	3,1		92,6	93,1	92,5	IE3
460/795	18,5	60	1778	32,0/18,4	99,4	0,78		6,97		3,00	4,10		93,6	93,0	92,3	IE3

Mechanical Data

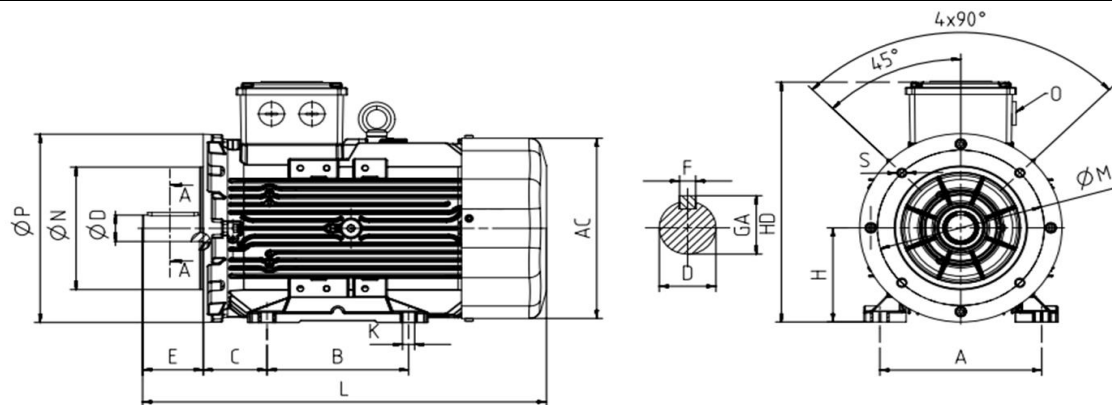
Bearing DE	6310-ZZ	Color	Optional
Bearing NDE	6209-ZZ	Motor protection	Optional
Lubricants	Shell Gadus S5 V220-2	Method of cooling	IC 411
Condensation drain hole	No	Terminal box position	Top
External earthing terminal	Yes	Material of terminal box	Aluminium
Vibration class	A	Terminal plate thread	M6
Insulation class	F	Cable gland	1xM32
Duty type	S1	Clamping range	22-32 mm
Direction of rotation	Clockwise	Mounting type	IM 2101 (B34-B)
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 65
		Moment of inertia (kgm^2)	0,11398
		Standard	IEC 60034-1
		Weight (kg)	117,0

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	596							48	110	51,5	14	350	250	300	18,5

B34b