



WAT Motor
Sanayi ve Ticaret A.Ş.



Three Phase Squirrel Cage Induction Motor

Motor Type: Q1HFC160M4-8B

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	YY	M _A / M _N D	YY	M _k / M _n Nm	4/4	3/4	2/4	IE
400	5	50	721	15,5	66,2	0,62	3,2		1,6		1,8				
400	7,5	50	1471	15,9	48,7	0,84		5,6		1,9	2,6				

Mechanical Data

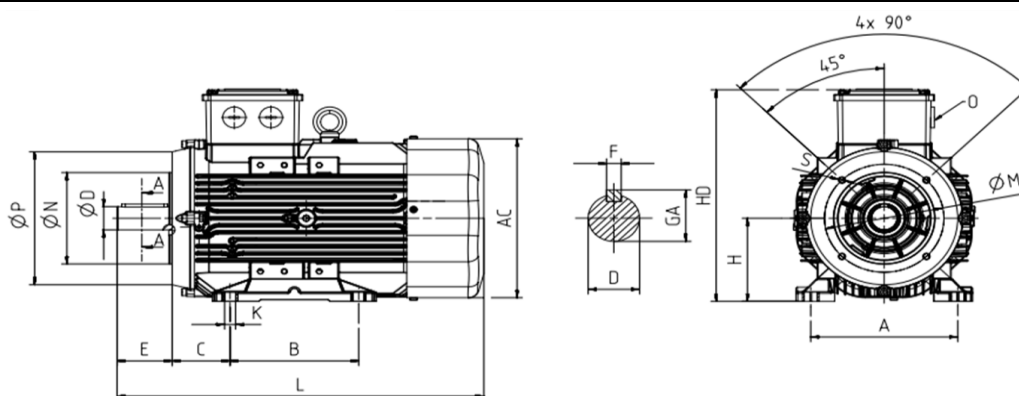
Bearing DE	6309-ZZ	Color	Optional
Bearing NDE	6209-ZZ	Motor protection	Optional
Lubricants	Shell Gadus S5 V220-2	Method of cooling	IC 411
Condensation drain hole	No	Terminal box position	Top
External earthing terminal	Yes	Material of terminal box	Aluminium
Vibration class	A	Terminal plate thread	M6
Insulation class	F	Cable gland	1xM32
Duty type	S1	Clamping range	18-25 mm
Direction of rotation	Clockwise	Mounting type	IM 3601 (B14-A)
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	75 dBA
		Moment of inertia (kgm^2)	0,07390
		Standard	IEC 60034-1
		Weight (kg)	87,0

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	250	180	215	M12