



WAT Motor
Sanayi ve Ticaret A.Ş.



Three Phase Squirrel Cage Induction Motor

Motor Type: Q3NFA80S4C40

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					
230/400	0,55	50	1428	2,4/1,4	3,7	0,70	6,0		3,0		3,4	80,8	80,7	78,7	IE3	
265/460	0,55	60	1740	2,2/1,3	3,0	0,69	5,7		3,3		4,5	81,1	81,4	79,7	IE3	

Mechanical Data

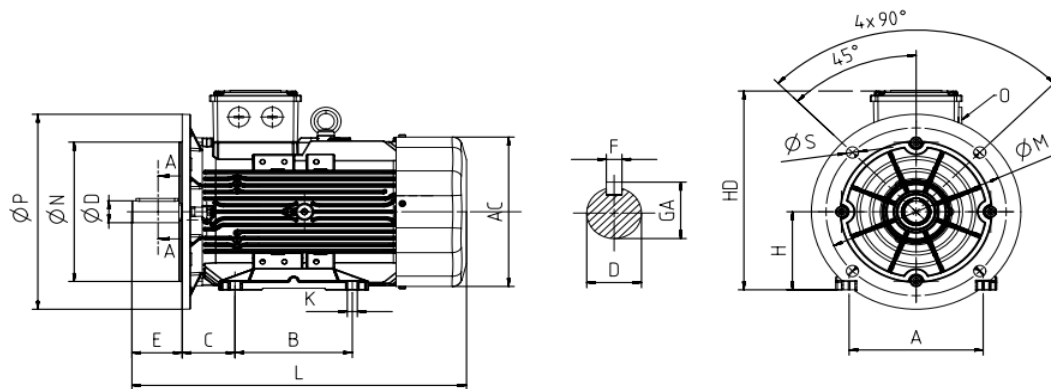
Bearing DE	6204-ZZ	Color	Optional
Bearing NDE	6204-ZZ	Motor protection	Optional
Lubricants	Shell Gadus S2 V100Q2	Method of cooling	IC 411
Condensation drain hole	No	Terminal box position	Top
External earthing terminal	Yes	Material of terminal box	Aluminium
Vibration class	A	Terminal plate thread	M4
Insulation class	F	Cable gland	1xM20
Duty type	S1	Clamping range	10-14 mm
Direction of rotation	Clockwise	Mounting type	IM 3001 (B5)
Housing material	Aluminium		
Type of balancing	Half Key		

Environmental Data

Others

Ambient temperature	-20 / + 40 °C	Type of protection	IP55
Altitude above sea level	1000 m	Sound pressure level 50/60Hz	dBA 53
		Moment of inertia (kgm ²)	0,00216
		Standard	IEC 60034-1
		Weight (kg)	8,5

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
156	256							19	40	21,5	6	200	130	165	12