



WAT Motor  
Sanayi ve Ticaret A.Ş.



### Three Phase Squirrel Cage Induction Motor

Motor Type: Q3HSFB90S2C

#### Electrical Data

RATED VALUES						STARTING VALUES				BREAKDOWN	EFFICIENCY			EFFICIENCY CLASS		
VOLTAGE V	POWER kW   Hz		SPEED rpm	CURRENT A	TORQUE Nm	Cos $\phi$	CURRENT $I_A / I_N$			TORQUE $M_A / M_N$		TORQUE Nm	EFFICIENCY			IEC 60034-30-1 IE
	4/4	Y	D	Y	D	Mk/ Mn	4/4	3/4	2/4							
230/400	1,5	50	2918	5,6/3,2	4,9	0,81	11,3		4,9		5,5	84,2	83,3	80,5	IE3	
265/460	1,5	60	3525	4,8/2,8	4,1	0,79	10,8		5,4		7,3	85,5	84,6	81,7	IE3	

#### Mechanical Data

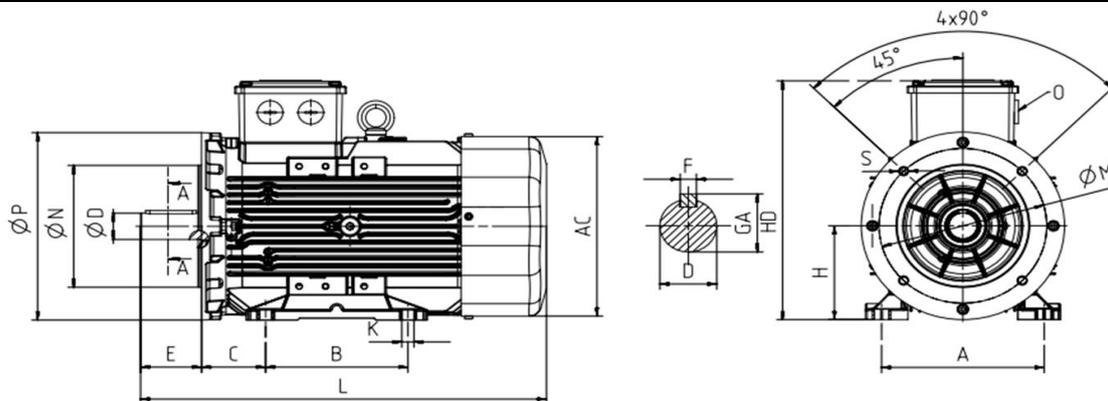
Bearing DE	6305-ZZ	Color	Optional
Bearing NDE	6204-ZZ	Motor protection	Optional
Lubricants	Shell Gadus S2 V100Q2	Method of cooling	IC 411
Condensation drain hole	No	Terminal box position	Top
External earthing terminal	Yes	Material of terminal box	Aluminium
Vibration class	A	Terminal plate thread	M4
Insulation class	F	Cable gland	1xM25
Duty type	S1	Clamping range	13-18 mm
Direction of rotation	Clockwise	Mounting type	IM 3601 (B14-B)
Housing material	Aluminum		
Type of balancing	Half Key		

#### Environmental Data

#### Others

Ambient temperature	-20 / + 40 °C	Type of protection	IP56
Altitude above sea level	1000 m	Sound pressure level 50/60Hz	dBA 64
		Moment of inertia (kgm <sup>2</sup> )	0,00201
		Standard	IEC 60034-1
		Weight (kg)	14,5

#### 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
158	303	-	-	-	-	-	-	24	50	27	8	160	110	130	M8