



WAT Motor
Sanayi ve Ticaret A.Ş.



Three Phase Squirrel Cage Induction Motor

Motor Type: Q3NR90S4C40

Electrical Data

RATED VALUES							STARTING VALUES				BREAKDOWN	EFFICIENCY			EFFICIENCY CLASS
VOLTAGE	POWER		SPEED	CURRENT	TORQUE	Cos Φ	CURRENT		TORQUE		TORQUE				IEC 60034-30-1
	I _A / I _N	D					M _A / M _N	D	Mk/ Mn						
V	kW	Hz	rpm	A	Nm	4/4	Y	D	Y	D	Nm	4/4	3/4	2/4	IE
230/400	1,1	50	1433	4,3/2,5	7,3	0,77	6,9		2,9		3,6	84,1	83,5	81,7	IE3
265/460	1,1	60	1745	3,8/2,2	6,0	0,73	6,6		3,2		4,8	86,5	85,4	83,4	IE3

Mechanical Data

Bearing DE	6205-ZZ	Color	Optional
Bearing NDE	6205-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	M5
Insulation class	F	Cable gland	1xM25
Duty type	S1	Clamping range	13-18 mm
Direction of rotation	Clockwise	Mounting type	IM 1001 (B3)
Housing material	Aluminum		
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	54 dBA
		Moment of inertia (kgm ²)	0,00208
		Standard	IEC 60034-1
		Weight (kg)	12,5

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
176	290	100	140	90	223	10	56	24	50	27	8				