



WAT Motor
Sanayi ve Ticaret A.Ş.



Three Phase Squirrel Cage Induction Motor

Motor Type: Q3HS160M2D

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	I_D	M_A / M_N	M_k / M_N	4/4	3/4	2/4	IE
400/690	11	50	2925	20,7/11,9	35,9	0,85		9,4	3,5	5,1	91,2	91,4	90,6	IE3
460/795	11	60	3519	18,5/10,6	29,9	0,81		10,44	3,89	6,74	91	91,2	90,5	IE3

Mechanical Data

Bearing DE	6309-ZZ	Color	Optional
Bearing NDE	6208-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 1001 (B3)
Housing material	Aluminum		
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	73 dBA
		Moment of inertia (kgm^2)	0,04015
		Standard	IEC 60034-1
		Weight (kg)	63,0

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
260	520	210-254	254	160	351	14,5	108	42	110	45	12				