



WAT Motor
Sanayi ve Ticaret A.Ş.



Three Phase Squirrel Cage Induction Motor

Motor Type: Q3HFA180L6D

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		M_A / M_N		Mk / Mn				IE
							Y	D	Y	D	Nm	4/4	3/4	2/4	
400/690	22	50	982,8	50,5/29,1	213,8	0,64		5,31		2,07	2,78	91,5	92	91,3	IE3
460/795	22	60	1183	45,2/26,1	177,6	0,65		5,07		2,30	3,68	93	92,9	92,4	IE3

Mechanical Data

Bearing DE	6310-ZZ	Color	Optional
Bearing NDE	6310-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	M8
Insulation class	F	Cable gland	1xM40
Duty type	S1	Clamping range	22-32 mm
Direction of rotation	Clockwise	Mounting type	IM 3001 (B5)
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	dBA 76
		Moment of inertia (kgm ²)	0,23683
		Standard	IEC 60034-1
		Weight (kg)	193,5

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
349	750							48	110	51,5	14	350	250	300	18,5