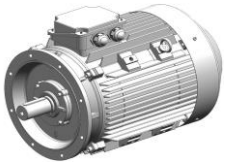
WAT Motor
Sanayi ve Ticaret A.Ş.



Three Phase Squirrel Cage Induction Motor

Motor Type: **Q4HGFA280M4C**

Electrical Data

RATED VALUES							STARTING VALUES				BREAKDOWN	EFFICIENCY			EFFICIENCY CLASS
VOLTAGE	POWER		SPEED	CURRENT	TORQUE	Cos Φ	CURRENT I_A / I_N		TORQUE M_A / M_N		TORQUE Mk/ Mn				IEC 60034-30-1
V	kW	Hz	rpm	A	Nm	4/4	Y	D	Y	D	Nm	4/4	3/4	2/4	IE
400/690	75	50	1492	127,9/73,9	480.0	0.89		5.90		1.70	4.30	96	95.8	95.1	IE4
460/795	75	60	1793	108,8/62,9	399.4	0.90		6.49			5.16	96.2	96	95.3	IE4

Mechanical Data

Bearing DE	6317 C3	*Color*	Optional
Bearing NDE	6317 C3	*Motor protection*	Optional
Lubricants	SHELL GADUS S5 V100 2	*Method of cooling*	IC 411
Condensation drain hole	No	*Terminal box position*	Top
External earthing terminal	Yes	*Material of terminal box*	Cast Iron
Vibration class	A	*Terminal plate thread*	M10
Insulation class	H	*Cable gland*	2xM50
Duty type	S1	*Clamping range*	30-38 mm
Direction of rotation	Clockwise	*Mounting type*	IM 3001 (B5)
Housing material	Cast Iron		
Type of balancing	Half Key		

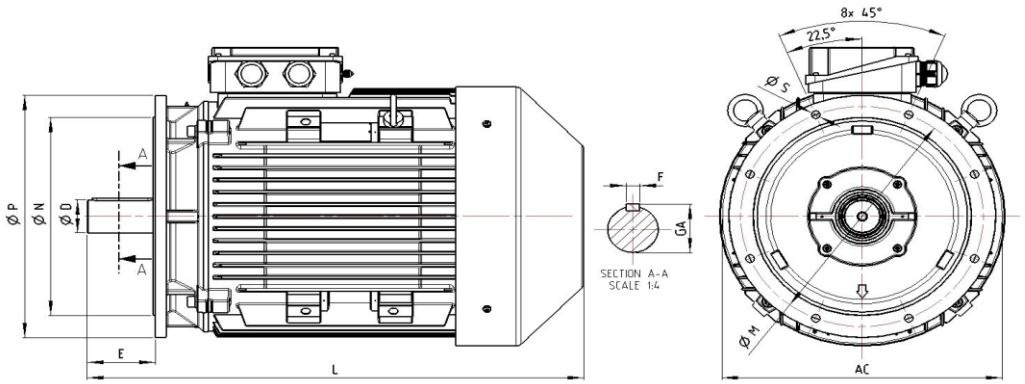
Enviromental Data

Ambient temperature	-20 / + 40 °C
Altitude above sea level	1000 m

Others

Type of protection		IP56
Sound pressure level 50/60Hz	dBA	70
Moment of inertia (kgm ^{2})		1.72100
Standard		IEC 60034-1
Weight (kg)		694.0

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
574	1021	-	-	-	-	-	-	75	140	79.5	20	550	450	500	18.5

Sensitivity: Confidential