



WAT Motor
Sanayi ve Ticaret A.Ş.



Three Phase Squirrel Cage Induction Motor

Motor Type: Q4HGPA280M2D

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 Y D		M _A / M _N Y D	M _k / M _N Nm	4/4	3/4	2/4	IE	
400/690	90	50	2985	146,7/84,8	287.9	0.92		7.80		2.90	5.70	95.8	95.7	94.9	IE4
460/795	90	60	3586	128,4/74,2	239.7	0.92		8.58		3.22	6.84	95.4	95	93.7	IE4

Mechanical Data

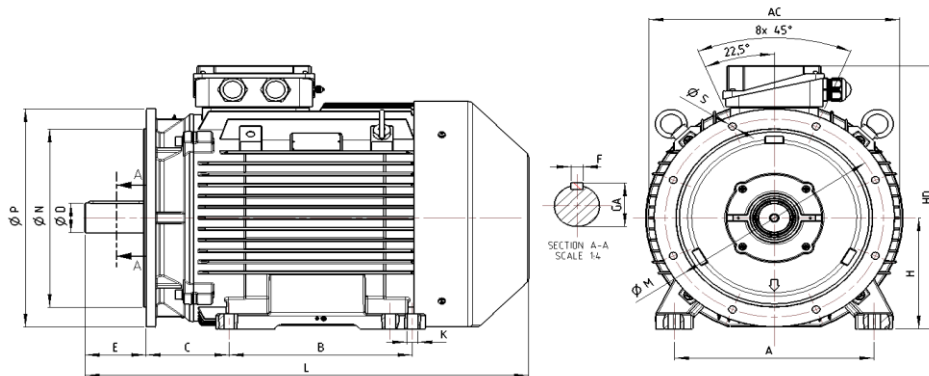
Bearing DE	6314 C3	Color	Optional
Bearing NDE	6314 C3	Motor protection	Optional
Lubricants	SHELL GADUS S5 V100 2	Method of cooling	IC 411
Condensation drain hole	No	Terminal box position	Top
External earthing terminal	Yes	Material of terminal box	Cast Iron
Vibration class	A	Terminal plate thread	M10
Insulation class	H	Cable gland	2xM50
Duty type	S1	Clamping range	30-38 mm
Direction of rotation	Clockwise	Mounting type	IM 2001 (B35)
Housing material	Cast Iron		
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	79 dBA
		Moment of inertia (kgm ²)	1.26380
		Standard	IEC 60034-1
		Weight (kg)	680.0

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	419	457	280	664	24	190	65	140	69	18	550	450	500	18.5