Data sheet for three-phase Squirrel - Cage-Motors

Order Number: HE2-225S-4

Client-order -no:

Order -no:

Item-no:

Offer-no:

Consignment-no:

Remarks:

Project:

Eletrical data	
Rated motor voltage:	380 VD /660VY
Frequency:	50 Hz
Rated motor power:	37 kW
Rated motor speed:	1480 1/min
Number of poles:	4
Rated current:	70.5 A
Starting current:	6.8
Rated motor torque:	238.8 Nm
Torque class:	E
Stating torque:	2.1
Breakdown torque:	2.4
Efficiency class:	IE 2
Efficiency 100% Load:	92.7%
Power factor 100% Load:	0.86
SF	1.15
Motor protection	without
Teminal box position:	terminal box on top

Mechanical data	
Noise (Lpfa):	78.00 dB(A)
Moment of inertia:	0.578 kg m²
Bearing drive end:	6313-C3
Bearing non-drive end (hor.mount.):	6313-C3
Bearing non-drive end (vert.mount.):	6313-C3
Drain holes:	yes
Regreasing device:	yes
Relubrication interval at 40°C:	
Coating:	RAL 5009 Azure blue

Site conditions	
Ambient temperature	-20.0°C to +40°C
Altitude above sea level:	1000m
Standards and specifications:	IEC

General data	
Frame size:	225S
Type of construction:	IM B35
Weight in kg (net):	328 kg
Frame material	Cast iron
Fan cover material:	metal
Degree of protection:	IP 55
Method of cooling:	Self-ventilated (IC 411)
Vibration class:	A (standard)
Insulation:	155(F) / 130(B)
Duty type:	S1 = cont. operation
Direction of rotation:	bidirectional

Terminal box	
Meterial of terminal box	Cast iron
Termibal screw thread:	M8
Cable entry:	M48X2
Cable gland:	no

Explosion protection	
Type of protection:	without (standard)

Special configurations