

datasheet for three-phase Squirrel-Cage-Motors

Datasheet for three-phase motors

Dati per l'ordinazione 1LA8317-2PC80

Ordering data:

número de cliente / Client-order-no.:

N. Ordine Cliente: / Order-no.:

il numero l'offerta numero / Offer-no.:

la riflessione / Remarks:

item-no. / Item-no.:

Commessa Nr. / Consignment-no.:

Progetto / Project:



Dati elettrici / Electrical data:

Type data / Type data:

Motor power P Motor power P	315 kW
thermal class / utilisation Thermal class / utilisation	155(F) a 155(F) 155(F) to 155(F)
rated motor voltage U D/Y Rated motor voltage U D/Y	400/690V D/Y 50Hz
frequency f Frequency f	50 Hz
speed n Speed n	2979 1/min
motor torque M Motor torque M	1010 Nm
motor current I Motor current I	VD 522 A VY

ratings / Ratings:

rated motor power P _N Rated motor power P _N	315 kW
thermal class / utilisation Thermal class / utilisation	155(F) to 155(F) 155(F) to 155(F)
service factor Service factor	1.00
rated motor speed n _N Rated motor speed n _N	2979 1/min
rated motor torque M _N Rated motor torque M _N	1010 Nm
rated motor current I _N Rated motor current I _N	VD 522 A VY 303 A
starting-/rated motor current I _s /I _N Starting-/rated motor current I _s /I _N	N/A
breakdown-/rated motor torque M _k /M _N Breakdown-/rated motor torque M _k /M _N	2,80
starting-/rated motor torque M _s /M _N Starting-/rated motor torque M _s /M _N	N/A
IE Efficiency class in acc. to 60034-30 IE Efficiency class in acc. to 60034-30	none none
partial load P/P _N Partial load P/P _N	5/4 4/4 3/4 2/4
Efficiency η in % in acc. to IEC 60034-2-1 Efficiency η in % in acc. to IEC 60034-2-1	95,7 % 95,7 % 95,7 % 95,5 %
power factor cos φ Power factor cos φ	0,91 0,91 0,89 0,83

Dati meccanici / Mechanical data:

moment of inertia J _{mot} Moment of inertia J _{mot}	3,3 kg*m²
rotor winding material Rotor winding material	Al
bearing design Bearing design	ball bearing ball bearing
DE/NDE bearing design DE/NDE bearing design	6218 C3 / 6218 C3
direction of rotation Direction of rotation	right right
Relubrication interval/quantity Relubrication interval/quantity	4000 h / 20 g

Condizioni ambientali / Site conditions:

coolant temperature K _r Coolant temperature K _r	40 °C
altitude above sea level Altitude above sea level	1.000 m

Salvo modifiche tecniche. Possibilità di differenze tra dati calcolati e e dati di targa!

Technical and ordering data are subject to change. There may be discrepancies between calculated and rating plate values.

Dati generali / General data:

Frame size Frame size	315
Method of cooling Method of cooling	IC 411 - air, rib cooled, shaft mounted fan IC411 - air, rib cooled, shaft mounted fan
usage type Type of operating	converter with filter converter with filter
type of construction Type of construction	IM B3
degree of protection Degree of protection	IP55
total weight Total weight	1500 kg
coating Coating	normal coating normal coating
colour Colour	RAL 7030
type of ex-protection Type of ex-protection	none none
standards/specifications Standards/specifications	IEC, DIN, ISO, VDE, EN

morsettiera tramite / Terminal box:

type of terminal box Type of terminal box	GT640
max. cable cross-sectional area Max. cable cross-sectional area	185 mm²
terminal screw thread Terminal screw thread	M12
cable diameter from ... to ... Cable diameter from ... to ...	41,0 ... 56,5
cable entry Cable entry	2 x M72x2 + 2 x M20x1,5

vedere esecuzione speciale / Special configurations: