

Data sheet for three-phase Squirrel-Cage-Motors



Type: 1TZ9 C 280M-4

Motor type: 1CV1287B

Customer :

Order no.:

Remarks :

Date :

Our order :

Item nr. :

U	Δ / Y	f	P	P	I	n	M	NOM. EFF at ... load [%]			Power factor at ... load			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I _A /I _N	T _A /T _N	T _B /T _N	
400	Δ	50	132.00	- / -	245.00	1488	847	93.5			0.84						IE1
690	Y	50	132.00	- / -	141.00	1488	847	93.5			0.84						IE1
460	Δ	60	152.00	- / -	240.00	1788	812	94.5			0.84						IE1
IM B5 / IM 3001			FS 280 M		720 kg	IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Mechanical data		
Sound pressure level 50Hz/60Hz (load)	-/- dB(A) ¹⁾	-/- dB(A) ¹⁾
Moment of inertia	-/- kg m²	
Bearing DE NDE	6317 C3	6317 C3
Relubrication interval/quantity	30 g 30 g	8000 h
Lubricants	Unirex N3	
Regreasing device	Yes (standard)	
Grease nipple	M10x1 DIN 3404 A	
Type of bearing	Locating bearing NDE	
Condensate drainage holes	Yes (standard)	
External earthing terminal	Yes (standard)	
Vibration severity grade	A	
Insulation	155(F)	
Duty type	S1	
Direction of rotation	bidirectional	
Frame material	cast iron	
Data of anti condensation heating	-/-	
Coating (paint finish)	Standard paint finish C2	
Color, paint shade	RAL7030	
Motor protection	(A) without (Standard)	
Method of cooling	IC411 - self ventilated, surface cooled	
Environmental conditions		
Ambient temperature	-20 °C - +40 °C	
Altitude above sea level	1000 m	

Terminal box	
Terminal box position	top
Material of terminal box	cast iron
Type of terminal box	TB1 N01
Contact screw thread	M10
Max. cross-sectional area	120.0 mm²
Cable diameter from ... to ...	34.0 mm - 42.0 mm
Cable entry	2xM63x1,5
Cable gland	2 plugs
Special design (0)	

Notes

I_A/I_N = locked rotor current / current nominal M_K/M_N = break down torque / nominal torque
M_K/M_N = locked rotor torque / torque nominal 1) Value is valid only for DOL operation with motor design IC411