

| Data | sheet | t for t | hree-ph | ase Squi | rrel-Cag | e-Moto | rs SIMO | ΓICS | | | | | | | 9 | | , |
|--|---|--------------|--|---|---|---|--|---------------|------------------------|-----------|--|--|----------------|--------------------------------|------------------------|------------------------|-------|
| | | 1CV42 | 82B | | | SI | MOTICS SE |) - 280 M | - IM B3 | - 4p | | | | | of s | | |
| Client order no. | | | | | lte | em-No. | | | | | Offe | Offer no. | | | | | |
| Order no. | | | | | Co | Consignment no. | | | | | Proje | Project | | | | | |
| Remarks | | | | | | | | | | | | | | | | | |
| Cloctric | cal dat | | | | | | | | | | | e Area | | | | | |
| Electrical data | | | | | | | 1 | | | | -1 - | -/- | | | | | |
| U [V] | Δ/Υ | f [Hz] | P [kW] | P [hp] | [A] | n [1/min] | M [Nm] | 4/4 | η ³⁾ 3/4 | 2/4 | 4/4 | cosφ ³ | 2/4 | I _A /I _N | M_A/M_N T_I/T_N | M_K/M_N T_B/T_N | IE-CL |
| [v] | | [112] | [KVV] | [IIIP] | [/\] | · · · · · · |)L duty (S1 | | | | 4/4 | 3/4 | 2/4 | N,/I | I I/IN | I B/ I N | |
| 400 | Δ | 50 | 90.00 | -/- | 154.00 | 1488 | 580.0 | 96.1 | 96.4 | 96.3 | 0.88 | 0.85 | 0.78 | 8.5 | 2.8 | 3.4 | IE4 |
| 690 | Y | 50 | 90.00 | -/- | 89.00 | 1488 | 580.0 | 96.1 | 96.4 | 96.3 | 0.88 | 0.85 | 0.78 | 8.5 | 2.8 | 3.4 | IE4 |
| 460 | Δ | 60 | 90.00 | -/- | 135.00 | 1790 | 480.0 | 96.2 | 96.3 | 95.9 | 0.87 | 0.84 | 0.75 | 9.8 | 3.2 | 3.7 | IE4 |
| 460 | Δ | 60 | 104.00 | -/- | 154.00 | 1788 | 560.0 | 96.2 | 96.4 | 96.3 | 0.88 | 0.86 | 0.79 | 8.7 | 2.8 | 3.2 | IE4 |
| | | | | . | | | | | | | | | | | | | |
| IM B3 / II | | Enviror | FS 280 N | | -20 °C - +4 | 1P55 | UKCA | IEC/EN | 60034 | l o | IEC, DIN, IS | | | 4) • 30 | 5 s 43.7 | | |
| Mecha | | | illielitai cc | muitions : | -20 C - +4 | 0 67 10 | 100 111 | | | LC | ckeu rou | or time | (HOL / COI | u) . 29. | 3 \$ 43.7 | 5 | |
| | | | | | | | | | | | | | | | | | |
| | Sound level (SPL / SWL) at 50Hz 60Hz 67 / 81 dB(A | | | | | | 74 / 88 dB(A) ^{2) 3)} External earthing termina | | | | | | | | andard) Ye | S | |
| | nt of ine | | | | |)300 kg m² | | | ation seve | | de | | | | Grade A | | |
| _ | g DE NI | | o on (NI) | | 316 C3 S0 | | 316 C3 S0 | Ther | mal class | | | | | | F | | |
| permissible lateral force on (N) x_0 : (N) 8600 | | | | | x _o : 600 | x _{0,5} : x _{max} : Duty type | | | | | | S1 | | | | | |
| | g lifetin | | | | | Direction of rotation | | | | | | bidirectional | | | | | |
| 50 60H | Rad min TOI HZ ¹⁾ | r couplin | ng operation | | 40000 h | | | | | | | cast iron | | | | | |
| Relubrication interval/quantity DE NDE | | | | | 3(| 30 g 30 g 8000 h Net weight of the mo | | | | tor | 681 kg | | | | | | |
| Lubricants | | | | | U | UNIREX N3 Coating (paint finish) | | | | | | Standard paint finish C2 | | | | | |
| Regreasing device Flat type | | | | | Flat type lu | e lubricating nipple Color, paint | | | | nade | de RAL7030 | | | | | | |
| Grease nipple M1 | | | | | M10x | 0x1 DIN 3404 A Motor protection | | | | | | 3 PTC thermistors - for tripping (2 terminals) | | | | | |
| Type of bearing Local | | | | | Locatin | ating bearing NDE Method of cooling | | | | | | | IC411 | - self ver | ntilated, su | ırface co | ooled |
| Conder | nsate dra | ainage h | ioles | | (Sta | andard) Yes | 5 | | | | | | | | | | |
| Termin | nal box | (| | | | | | | | | | | | | | | |
| Termin | ıal box p | osition | | | box | at the top | | Max | . cross-sec | ctional a | irea | | | 1 | 120 mm ² | | |
| Material of terminal box | | | | | C | cast iron Cable diameter from to | | | | | to | 34 mm - 45 mm | | | | | |
| Type of terminal box | | | | | - | TB4N01 Cable entry | | | | | | 2xM63x1,5 - 2xM20x1,5 | | | | | |
| Contact screw thread | | | | | | 6xM10 Cable gland | | | | | | | | | -/- | | |
| | | | | | | V DINUGO 201 | 100010 | | | 2) | Maharia adid | | | st | sia- Kata | | |
| $M_A/M_N = loc$ $M_K/M_N = brown$ | cked rotor t reak down t | torque / non | que nominal ninal torque nination and/or e | 2) diting of this doc | L _{10mh} according to at rated power / ument as well as ity model or design | at full load utilization of its | s contents and cor | nmunication t | nereof to othe | | | | L operation wi | | | for payme | nt of |
| | | | | | | Created by | | Approved | hv | Ter | chnical data a | re subject | to chanael Th | ere mav he | Link door | ments | |
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



| Motor type : 1CV4282B | | SIMOTI | ICS SD - 28 | 30 M - IM B3 - 4p | | | | | |
|--|------------------------------------|---------------------------------|-----------------|------------------------------|------------|-------------------|-------------------------------|----------------------|--------------|
| Special design | | | | | | | | | |
| Q02 Anti-condensation h | neating for 230 V (2 term | inals) | | | | | | | |
| A 1 11:01 11:05 11: | | | | | | | | | |
| Additional information: | | | | | | | | | |
| Space heaters Technical data: | | | | | | | | | |
| lecimical data. | | | | | | | | | |
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