

INDUSTRIAL COMPONENT DATA

**DG1-34170FB-C54C 9702-5109-00P Y7-9702-5109-00P EATON
ELECTRIC Variable frequency drive, 400 V AC, 3-phase, ..**

Brand: EATON - MOELLER | Manufacturer Part Number: DG1-34170FB-C54C



Manufacturer	EATON - MOELLER
MPN / Reference	DG1-34170FB-C54C
Catalog number	Y7-9702-5109-00P
Category	Frequency converter less than 1 kV
Minimum order	1 Pcs
Document ID	EO-6B3BF67DCE
Generated	2026-08-06

Product Overview

Variable frequency drive, 400 V AC, 3-phase, 170 A, 90 kW, IP54/NEMA12, Brake chopper, DC link choke
DG1-34170FB-C54C

Variable frequency drive, Part group reference (e.g. DIL): DG1, Rated operational voltage: $U_e = 400 \text{ V AC}$, 3-phase, 480 V AC, 3-phase, 500 V AC, 3-phase, Output voltage with V_e : $U_2 = 400 \text{ V AC}$, 3-phase, 480 V AC, 3-phase, 500 V AC, 3-phase, Mains voltage (50/60Hz): $U_{LN} = 380 (-15\%) - 500 (+10\%) \text{ V}$, Rated operational current At 150% overload: $I_e = 170 \text{ A}$, Note: Rated operational current for a switching frequency of 1 - 10 kHz and an ambient temperature of +50 °C for a 150% overload and +40 °C for a 110% overload, Rated operational current At 110% overload: $I_e = 205 \text{ A}$, Note: Overload cycle for 60 s every 600 s, Assigned motor rating Note: for normal internally and externally ventilated 4 pole, three-phase asynchronous motors with 1500 rpm-1 at 50 Hz or 1800 min-1 at 60 Hz, Overload cycle for 60 s every 600 s, at 400 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 90 \text{ kW}$, 110 % Overload: $P = 110 \text{ kW}$, 150 % Overload: $I_M = 161 \text{ A}$, 110 % Overload: $I_M = 196 \text{ A}$, Assigned motor rating Note: at 500 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 110 \text{ kW}$, 110 % Overload: $P = 132 \text{ kW}$, 150 % Overload: $I_M = 157 \text{ A}$, 110 % Overload: $I_M = 184 \text{ A}$, Assigned motor rating Note: at 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 125 \text{ HP}$, 110 % Overload: $P = 150 \text{ HP}$, Assigned mot...

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path	EATON - MOELLER > Power XL Frequency Converters
--------------	---

Additional Product Information

Variable frequency drive, 400 V AC, 3-phase, 170 A, 90 kW, IP54/NEMA12, Brake chopper, DC link chokeVariable frequency drive, Part group reference (e.g. DIL): DG1, Rated operational voltage: $U_e = 400 \text{ V AC}$, 3-phase, 480 V AC, 3-phase, 500 V AC, 3-phase, Output voltage with V_e : $U_2 = 400 \text{ V AC}$, 3-phase, 480 V AC, 3-phase, 500 V AC, 3-phase,

Mains voltage (50/60Hz): ULN = 380 (-15%) - 500 (+10%) V, Rated operational current At 150% overload: $I_e = 170$ A, Note: Rated operational current for a switching frequency of 1 - 10 kHz and an ambient temperature of +50 °C for a 150% overload and +40 °C for a 110% overload, Rated operational current At 110% overload: $I_e = 205$ A, Note: Overload cycle for 60 s every 600 s, Assigned motor rating Note: for normal internally and externally ventilated 4 pole, three-phase asynchronous motors with 1500 rpm-1 at 50 Hz or 1800 min-1 at 60 Hz, Overload cycle for 60 s every 600 s, at 400 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 90$ kW, 110 % Overload: $P = 110$ kW, 150 % Overload: $I_M = 161$ A, 110 % Overload: $I_M = 196$ A, Assigned motor rating Note: at 500 V, 50 Hz, Assigned motor rating 150 % Overload: $P = 110$ kW, 110 % Overload: $P = 132$ kW, 150 % Overload: $I_M = 157$ A, 110 % Overload: $I_M = 184$ A, Assigned motor rating Note: at 480 V, 60 Hz, Assigned motor rating 150 % Overload: $P = 125$ HP, 110 % Overload: $P = 150$ HP, Assigned motor rating 150 % Overload: $I_M = 156$ A, 110 % Overload: $I_M = 180$ A, Degree of Protection: IP54/NEMA12, Interface/field b...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / DG1-34170FB-C54C with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.