## Eaton 9703-5104-00P

Eaton DG1 Variable frequency drive, 500 V AC, 3-phase, 80 A, 55 kW, IP54/NEMA12, DC link choke

PRODUCT NAME	Eaton DG1 variable frequency drive
CATALOG NUMBER	9703-5104-00P
PRODUCT LENGTH/DEPTH	340.7 mm
PRODUCT HEIGHT	888.5 mm
PRODUCT WIDTH	288 mm
PRODUCT WEIGHT	70.9 kg
CERTIFICATIONS	UkrSEPRO CUL Safety requirements: IEC/EN 61800-5 Certified by UL for use in Canada UL508 IEC/EN61800-3 CSA-C22.2 No. 274-13 IEC/EN 61800-3 UL Specification for general requirements: IEC/EN 61800-2 CE UL File No.: E134360 EAC UL report applies to both US and Canada IEC/EN61800-5 RoHS, ISO 9001 C-Tick UL Category Control No.: NMMS, NMMS7



PRODUCT CATEGORY	Variable frequency drives
FEATURES	Externally accessible fan Parameterization: Fieldbus Parameterization: Keypad
	Parameterization: Power Xpert inControl
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to

eaton-profinet-de1-dc1- da1-dg1-dm1-dx1- mn040062-en-en.pdf
eaton-frequency-inverter- dg1-dimensions-005.eps
eaton-frequency-inverter- dg1-3d-drawing-005.eps

	be evaluated.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to be evaluated.
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to be evaluated.
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to be evaluated.
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	ls the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	ls the panel builder's responsibility.
10.9.2 POWER- FREQUENCY ELECTRIC STRENGTH	ls the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	ls the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	ls the panel builder's responsibility.
FITTED WITH:	Control unit DC link choke IGBT inverter Radio interference suppression filter Additional PCB protection Multi-line graphic display PC connection Internal DC link
POLLUTION DEGREE	2
CLIMATIC PROOFING	< 95 average relative humidity (RH), no condensation, no corrosion
CONNECTION TO SMARTWIRE-DT	In conjunction with DXG- NET-SWD SmartWire DT module Yes
OPERATING MODE	U/f control Speed control with slip compensation Sensorless vector control (SLV)

	T 1.0
EDANAE CIZE	Torque regulation
FRAME SIZE	FS5
ALTITUDE	395 m <sup>3</sup> /h  Max. 2000 m  Above 1000 m with 1 %  derating per 100 m  Max. 1000 m
ENVIRONMENTAL CLASS	3C2, 3S2 (Air quality)
APPLICATION IN DOMESTIC AND COMMERCIAL AREA PERMITTED	Yes
MAINS SWITCH-ON FREQUENCY	Maximum of one time every 60 seconds
APPLICATION IN INDUSTRIAL AREA PERMITTED	Yes
AMBIENT OPERATING TEMPERATURE - MAX	50 °C
AMBIENT OPERATING TEMPERATURE - MIN	-10 °C
AMBIENT OPERATING TEMPERATURE AT 150% OVERLOAD - MAX	50 °C
AMBIENT OPERATING TEMPERATURE AT 150% OVERLOAD - MIN	-30 °C
AMBIENT STORAGE TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MIN	-40 °C
APPARENT POWER AT 600 V	103.9 kVA
MOUNTING POSITION	Vertical
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	100 kA
RELATIVE SYMMETRIC NET FREQUENCY TOLERANCE	10 %
RELATIVE SYMMETRIC NET VOLTAGE TOLERANCE	10 %
PROTECTION	Finger and back-of-hand proof, Protection against direct contact (BGV A3, VBG4)
HEAT DISSIPATION	Operation (with 150 %

DETAILS	overload), allow for
	derating
RATED OPERATIONAL POWER AT 525 V, 50 HZ, 3-PHASE	55 kW
RATED OPERATIONAL POWER AT 525 V, 50 HZ, 3-PHASE, 110% OVERLOAD	55 kW
RATED OPERATIONAL POWER AT 600 V, 50 HZ, 3-PHASE	55 kW
RATED OPERATIONAL POWER AT 600 V, 50 HZ, 3-PHASE, 110% OVERLOAD	75 kW
DECOLUTION	0.01 Hz (Frequency
RESOLUTION	resolution, setpoint value)
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS	27.23 W
SWITCH-ON THRESHOLD FOR THE BRAKING TRANSISTOR	1050 VDC
VOLTAGE RATING - MAX	600 VAC
VOLTAGE RATING - MAX  OVERVOLTAGE CATEGORY	600 VAC
OVERVOLTAGE	
OVERVOLTAGE CATEGORY COMMUNICATION	SmartWire-DT, optional DeviceNet, optional Modbus TCP, built in Modbus RTU, built in Ethernet IP, built in PROFIBUS, optional BACnet MS/TP, built in
OVERVOLTAGE CATEGORY  COMMUNICATION INTERFACE	SmartWire-DT, optional DeviceNet, optional Modbus TCP, built in Modbus RTU, built in Ethernet IP, built in PROFIBUS, optional BACnet MS/TP, built in CANopen®, optional
OVERVOLTAGE CATEGORY  COMMUNICATION INTERFACE  CONVERTER TYPE	SmartWire-DT, optional DeviceNet, optional Modbus TCP, built in Modbus RTU, built in Ethernet IP, built in PROFIBUS, optional BACnet MS/TP, built in CANopen®, optional U converter NEMA 12

ASSIGNED MOTOR CURRENT IM AT 525 V, 50 ASSIGNED MOTOR CURRENT IM AT 550 - 600 ASSIGNED MOTOR CURRENT IM AT 600 V, 50 AZ, 110% OVERLOAD ASSIGNED MOTOR CURRENT IM AT 600 V, 50 AZ, 110% OVERLOAD ASSIGNED MOTOR CURRENT IM AT 600 V, 50 AZ, 150% OVERLOAD ASSIGNED MOTOR CURRENT IM AT 600 V, 60 AZ, 110% OVERLOAD ASSIGNED MOTOR CURRENT IM AT 600 V, 60 AZ, 110% OVERLOAD ASSIGNED MOTOR COMPATIBILITY ASSIGNED MOTOR COMPATIBILITY ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE, 110 % ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE, 110 % ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE, 110 % ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE, 110 % ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE, 110 % ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE, 110 % ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE, 110 % ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 100 W OF 61 AZ, 110		
TO A STATE OF THE AT STATE OF	ASSIGNED MOTOR CURRENT IM AT 525 V, 50 HZ, 150% OVERLOAD	79 A
AZZI TION OVERLOAD  AZSIGNED MOTOR CURRENT IM AT 600 V, 50 AZZI TSON OVERLOAD  ASSIGNED MOTOR CURRENT IM AT 600 V, 60 AZZI TSON OVERLOAD  ASSIGNED MOTOR CURRENT IM AT 600 V, 60 AZZI TION OVERLOAD  AZZI TIO	ASSIGNED MOTOR CURRENT IM AT 550 - 600 V, 60 HZ, 150% OVERLOAD	77 A
ASSIGNED MOTOR CURRENT IM AT 600 V, 60 AZ, 150% OVERLOAD  ASSIGNED MOTOR CURRENT IM AT 600 V, 60 AZ, 110% OVERLOAD  ASSIGNED MOTOR CONFIGURATION TYPE  LECTROMAGNETIC COMPATIBILITY  ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE  ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE, 110 % COVERLOAD  BRAKING RESISTANCE  ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE, 110 % COVERLOAD  BRAKING RESISTANCE  ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE, 110 % COVERLOAD  BRAKING RESISTANCE  ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE, 110 % COVERLOAD  BRAKING RESISTANCE  ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE, 110 % COVERLOAD  BRAKING RESISTANCE  ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE, 110 % COVERLOAD  ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE ASSIGNED MOTOR COWER AT 575/600 V, 60 AZ, 3-PHASE ASSIGNED MOTOR ASSIGNED M	ASSIGNED MOTOR CURRENT IM AT 600 V, 50 HZ, 110% OVERLOAD	93.2 A
TURRENT IM AT 600 V, 60 AIZ, 110% OVERLOAD  TN-S, TN-C, TN-C-S, TT, IT  ELECTROMAGNETIC COMPATIBILITY  ASSIGNED MOTOR OWER AT 575/600 V, 60 AIZ, 3-PHASE ASSIGNED MOTOR OVERLOAD  BRAKING RESISTANCE  CQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID  HEAT DISSIPATION CAPACITY PDISS  HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID  NPUT CURRENT ILN AT 110% OVERLOAD  MAINS CURRENT DISSIPATION CURRENT ILN AT 150% OVERLOAD  MAINS CURRENT DISTORTION CURRENT LIMITATION  CURRENT LIMITATION  CURRENT LIMITATION  MAINS CURRENT DISTORTION  CURRENT LIMITATION  MAX. 100 % of rated operational current le with external braking resistor -	ASSIGNED MOTOR CURRENT IM AT 600 V, 50 HZ, 150% OVERLOAD	68.9 A
TN-S, TN-C, TN-C-S, TT, IT  TN-S, TN-C, TN-C-S, TT, IT  SLECTROMAGNETIC COMPATIBILITY  ASSIGNED MOTOR POWER AT 575/600 V, 60 AZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 AZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 AZ, 3-PHASE, 110 % DVERLOAD  BRAKING RESISTANCE  TO COMPATIBILITY  100 HP  100 HP  100 HP  1149 W	ASSIGNED MOTOR CURRENT IM AT 600 V, 60 HZ, 110% OVERLOAD	99 A
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE, 110 % DVERLOAD BRAKING RESISTANCE FOULPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID HEAT DISSIPATION CAPACITY PDISS HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID NPUT CURRENT ILN AT H0% OVERLOAD ANAINS CURRENT DISTORTION CURRENT LIMITATION CURRENT LIMITATION CURRENT LIMITATION CURRENT LIMITATION AND MAINS CURRENT DISTORTION CURRENT LIMITATION CURRENT LIMITATION AND MAX. 100 % of rated operational current le with external braking resistor -	SYSTEM CONFIGURATION TYPE	TN-S, TN-C, TN-C-S, TT, IT
POWER AT 575/600 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE, 110 % DVERLOAD  BRAKING RESISTANCE  EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID  HEAT DISSIPATION CAPACITY PDISS HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID  NPUT CURRENT ILN AT 110% OVERLOAD  MAINS CURRENT DISTORTION  CURRENT LIMITATION  CURRENT LIMITATION  NUMBER OF SLOTS  BRAKING TORQUE  75 HP  100	ELECTROMAGNETIC COMPATIBILITY	
POWER AT 575/600 V, 60 HZ, 3-PHASE, 110 % DVERLOAD  BRAKING RESISTANCE  FQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID  NPUT CURRENT ILN AT 110% OVERLOAD  NPUT CURRENT ILN AT 150% OVERLOAD  MAINS CURRENT DISTORTION  CURRENT LIMITATION  CURRENT LIMITATION  NUMBER OF SLOTS  DISTORTION  MAX. 100 % of rated operational current le with external braking resistor -	ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	75 HP
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID  HEAT DISSIPATION CAPACITY PDISS  HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID  NPUT CURRENT ILN AT 110% OVERLOAD  NPUT CURRENT ILN AT 150% OVERLOAD  MAINS CURRENT DISTORTION  CURRENT LIMITATION  NUMBER OF SLOTS  DISTORTION  MAX. 100 % of rated operational current le with external braking resistor -	ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE, 110 % OVERLOAD	100 HP
DISSIPATION, CURRENT- DEPENDENT PVID  HEAT DISSIPATION CAPACITY PDISS  HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID  NPUT CURRENT ILN AT 110% OVERLOAD  NPUT CURRENT ILN AT 150% OVERLOAD  MAINS CURRENT DISTORTION  CURRENT LIMITATION  CURRENT LIMITATION  NUMBER OF SLOTS  DISTORTION  MAX. 100 % of rated operational current le with external braking resistor -	BRAKING RESISTANCE	7 Ω
CAPACITY PDISS  HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID  NPUT CURRENT ILN AT 110% OVERLOAD  NPUT CURRENT ILN AT 150% OVERLOAD  MAINS CURRENT 28.4 %  CURRENT LIMITATION  CURRENT LIMITATION  NUMBER OF SLOTS  DISTORTION  Max. 100 % of rated operational current le with external braking resistor -	EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	1149 W
POLE, CURRENT- DEPENDENT PVID  NPUT CURRENT ILN AT 110% OVERLOAD  NPUT CURRENT ILN AT 150% OVERLOAD  MAINS CURRENT 28.4 %  CURRENT LIMITATION  O.1 - 2 x IH (CT), motor, main circuit  NUMBER OF SLOTS  2 (expansion)  Max. 100 % of rated operational current le with external braking resistor -	HEAT DISSIPATION CAPACITY PDISS	0 W
NPUT CURRENT ILN AT 150% OVERLOAD 74.4 A  MAINS CURRENT 28.4 %  CURRENT LIMITATION 0.1 - 2 x IH (CT), motor, main circuit  NUMBER OF SLOTS 2 (expansion)  Max. 100 % of rated operational current le with external braking resistor -	HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	0 W
74.4 A  MAINS CURRENT DISTORTION  28.4 %  CURRENT LIMITATION  0.1 - 2 x IH (CT), motor, main circuit  NUMBER OF SLOTS  2 (expansion)  Max. 100 % of rated operational current le with external braking resistor -	INPUT CURRENT ILN AT 110% OVERLOAD	91.3 A
28.4 %  CURRENT LIMITATION  0.1 - 2 x IH (CT), motor, main circuit  NUMBER OF SLOTS  2 (expansion)  Max. 100 % of rated operational current le with external braking resistor -	INPUT CURRENT ILN AT 150% OVERLOAD	74.4 A
main circuit  NUMBER OF SLOTS  2 (expansion)  Max. 100 % of rated operational current le with external braking resistor -	MAINS CURRENT DISTORTION	28.4 %
Max. 100 % of rated operational current le with external braking resistor -	CURRENT LIMITATION	
Operational current le with external braking resistor -	NUMBER OF SLOTS	2 (expansion)
	BRAKING TORQUE	operational current le with external braking resistor -

Max. 30 % MN, Main circuit Adjustable to 1 Main circuit Adjustable to 1 DC - Main circu	50 %, DC - 50 % (I/Ie), iit
200 m, screene maximum perr Motor feeder  CABLE LENGTH  C3 ≤ 10 m, Rad interference le maximum mot length	nissible, io vel,
<b>OUTPUT VOLTAGE (U2)</b> 600 V AC, 3-ph	ase
NUMBER OF INPUTS (ANALOG)	
NUMBER OF INPUTS (DIGITAL)	
C2, C3: dependent motor cable let connected load ambient condition External radio suppression file (optional) may necessary.  CLASS Optional external interference suffilter for longer cable lengths a in different EM environments C1: with external conducted emissions.	ngth, the d, and cions. interference ters be nal radio uppression motor nd for use C
NUMBER OF OUTPUTS (DIGITAL)	
STARTING CURRENT - current (High C MAX For 2 seconds, Powe	Overload), every 20
NUMBER OF PHASES (INPUT)	
NUMBER OF RELAY changeover co OUTPUTS N/O, 6 A (240 V (24 V DC))	ntacts and 1
NUMBER OF PHASES (OUTPUT)	
POWER CONSUMPTION 1149 W	

EFFICIENCY	98.6 % (η)
RATED CONTROL VOLTAGE (UC)	24 V DC (external, max. 250 mA options incl.)
SUPPLY FREQUENCY	50/60 Hz
LEAKAGE CURRENT AT GROUND IPE - MAX	11.2 mA
MAINS VOLTAGE - MAX	600 V
MAINS VOLTAGE - MIN	525 V
NOMINAL OUTPUT CURRENT I2N	80 A
NUMBER OF HW- INTERFACES (INDUSTRIAL ETHERNET)	1
NUMBER OF HW- INTERFACES (OTHER)	1
NUMBER OF HW- INTERFACES (PARALLEL)	0
NUMBER OF HW- INTERFACES (RS-232)	0
NUMBER OF HW- INTERFACES (RS-422)	0
NUMBER OF HW- INTERFACES (RS-485)	1
NUMBER OF HW- INTERFACES (SERIAL TTY)	0
NUMBER OF HW- INTERFACES (USB)	0
NUMBER OF INTERFACES (PROFINET)	0
NUMBER OF OUTPUTS (ANALOG)	2
OUTPUT AT LINEAR LOAD AT RATED OUTPUT VOLTAGE - MAX	55 kW
OUTPUT AT QUADRATIC LOAD AT RATED OUTPUT VOLTAGE - MAX	75 kW
OUTPUT FREQUENCY - MAX	400 Hz
OUTPUT FREQUENCY - MIN	0 Hz
OUTPUT VOLTAGE - MAX	600 V
OVERLOAD CURRENT IL AT 110% OVERLOAD	110 A
OVERLOAD CURRENT IL AT 150% OVERLOAD	120 A
SHOCK RESISTANCE	Storage and

	transportation: maximum 15 g, 11 ms (inside the packaging) Mechanical, According to EN 61800-5-1, IEC/EN 60068-2-27 UPS drop test (for weights inside the UPS frame)
SUITABLE FOR	Branch circuits, (UL/CSA)
SWITCHING FREQUENCY	1.5 kHz, 1 - 6 kHz adjustable, fPWM, Power section, Main circuit
RATED OPERATIONAL VOLTAGE	600 V AC, 3-phase
SHORT-CIRCUIT PROTECTION RATING	150 A, UL (Class CC or J), Safety device (fuse or miniature circuit-breaker), Power Wiring
VIBRATION	Resistance: 5 - 150 Hz, According to EN 61800-5- 1, IEC/EN 60068-2-6 Resistance: 15.8 – 150 Hz, 1 g, Maximum acceleration amplitude Resistance: 5 - 15.8 Hz, Amplitude 1 mm (peak)
RATED FREQUENCY - MAX	66 Hz
RATED FREQUENCY - MIN	45 Hz
RATED OPERATIONAL CURRENT (IE) AT 110% OVERLOAD	100 A
RATED OPERATIONAL CURRENT (IE) AT 150% OVERLOAD	80 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	80 A
SAFETY FUNCTION/LEVEL	STO (Safe Torque Off, SIL1, PLc Cat 1)
HEAT DISSIPATION AT CURRENT/SPEED	1072 W at 100% current and 90% speed 377 W at 25% current and 0% speed 451 W at 25% current and 50% speed 488 W at 100% current and 50% speed 587 W at 50% current and 50% speed 640 W at 50% current and 90% speed

809 W at 100% current and 0% speed 972 W at 50% current and 0% speed

PROJECT NAM	/IE:
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**PROJECT NUMBER:** 

**PREPARED BY:** 



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