

GM Type Motor-Driven Grease Lubrication Pump

GM-3204 • GM-3214 • GM-3234

Three-phase 380 V gear pump raising grease to 35 kgf/cm² and feeding it to each point in precise dose or in fixed proportion.

	NOMINAL PRESSURE 3.5 MPa (35 kgf/cm²)	DISCHARGE 260 – 300 ml
	RESERVOIR 2 L / 4 L	GREASE NLGI 00# / 000#

HOW IT WORKS

A special alloy-steel gear set gives stable output pressure and low noise at 90 W, nominal 3.5 MPa and maximum 5.0 MPa. That is enough to cycle a 35 type pressure volume distributor, a progressive distributor or a resist-type distributor, feeding each point in dose or in proportion.

A grease level sensor detects inadequate grease and alarms without external wiring. A point-action switch lubricates the machine at any moment between cycles. With a pressure switch fitted the pump provides a pressure signal for automatic control from the main unit; with the automatic pressure take-off device fitted it forms a complete moderate-pressure circuit with the 35 type distributor.

SPECIFICATION

Type	Motor-driven gear grease pump
Voltage	380 V, three-phase
Nominal rotary speed	2750 r/min (50 Hz) • 3300 r/min (60 Hz)
Motor power	90 W
Current	0.32 A (50 Hz) • 0.29 A (60 Hz)
Nominal pressure	3.5 MPa
Max pressure	5.0 MPa
Oil tank volume	2 L or 4 L
Discharge capacity	260 ml (50 Hz) • 300 ml (60 Hz)
Grease used	NLGI 00# / 000#

Monitoring	Grease level sensor · pressure switch optional, 30 kgf/cm ²
Options	Point-action switch · automatic pressure take-off device

GM TYPE MOTOR-DRIVEN GREASE LUBRICATION PUMP

AMAG-DS-GM-01 · SELECTION & ORDERING

MODEL SELECTION

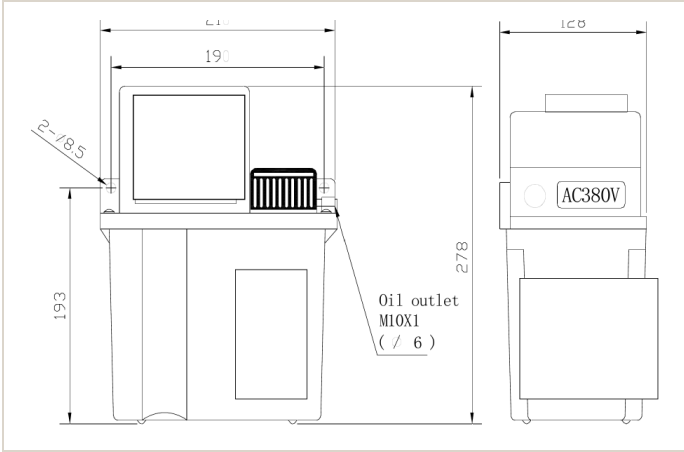
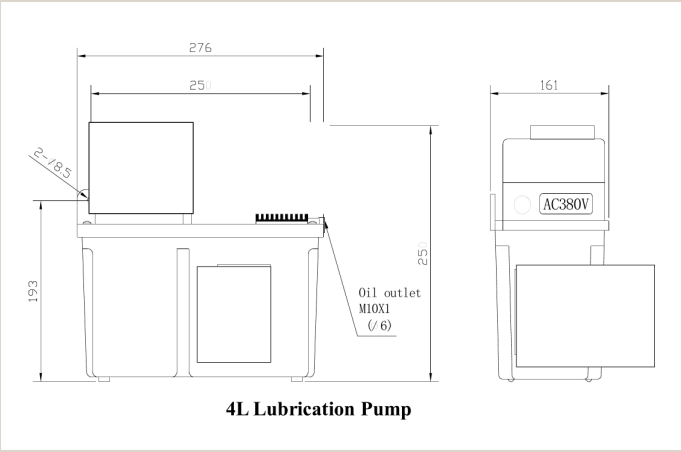
MODEL	TIMER	TYPICAL BUILD
GM-3204	Without dual-timer module	External control, PLC or main unit
GM-3214	Built-in dual-timer module	Standalone cycle control
GM-3234	NK-3 dual-timer with digital display	4 L reservoir only

The NK-3 digital display timer is available on the 4 L lubrication pump only.

GUIDE TO ORDER

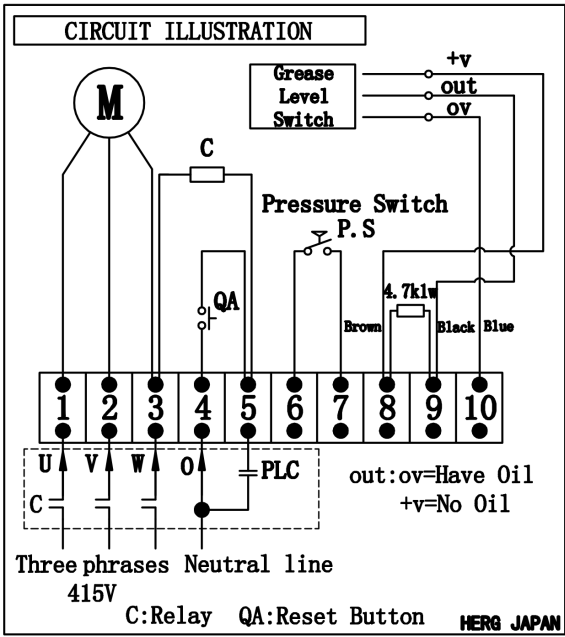
GM-3204-230X	GM type motor-driven grease pump · 200–300 cc/min discharge · 2P motor · without dual-timer module · three-phase 380 V · 2 L oil reservoir · 30 kgf/cm ² pressure switch · built-in pressure take-off mechanism.
1 Discharge capacity per minute	2 = 100–200 cc · 3 = 200–300 cc · 4 = 300–400 cc
2 Number of motor poles	2 = 2P
3 Timer module	0 = without dual-timer module · 1 = built-in dual-timer module · 3 = NK-3 with digital display (4 L only)
4 Motor type	1 = single-phase 100 V · 2 = single-phase 220 V · 3 = three-phase 200 V · 4 = three-phase 380 V
5 Reservoir volume	2 = 2 L · 4 = 4 L
6 Pressure switch action pressure	00 = without pressure switch · 30 = 30 kgf/cm ²
7 Pressure take-off mechanism	X = built-in, for dosing distributors · T = without, for resist-type
8 Suffixes	S = with capacitance-type level sensor (blank = without level sensor)

DIMENSIONS

	
2 L reservoir – overall and mounting dimensions	4 L reservoir – overall and mounting dimensions

Dimensions in millimetres. Confirm critical dimensions with us before machining a mounting.

OPERATING PRINCIPLE



Circuit illustration – motor, grease level switch, pressure switch and PLC terminals

APPLICATIONS

Plastic machinery
Engineering machinery
Textile and printing machinery
Woodworking, chemical and food machinery

SYSTEM PAIRING

35 type pressure volume distributor — build with take-off
SD progressive distributors
Resist-type distributors — build without take-off
NKGH-1804 manual pump for refilling

CHECK BEFORE ORDERING

Three-phase 380 V. Confirm the supply at the machine before ordering.
X and T builds are not interchangeable: X for dosing distributors, T for resist-type.
NLGI 00# / 000# grease only.

ORDER THIS PART

+91 73976 31796
WhatsApp the model code.

EMAIL & WEB

mail@amagcnc.com
amagcnc.com

WARRANTY

One year against manufacturing defect from date of invoice.

AMAG CNC Technology · No 604C, MTH Road, Mannurpet, Chennai, Tamil Nadu 600 050, India
Specifications are the manufacturer's and are subject to change without notice. AMAG-DS-GM-01 · Rev A · August 2026.