

HL Type Motor-Driven Lubrication Pump

HL-2201 · HL-2202 · HL-3201 · HL-3202

Alloy-steel gear pump with high volumetric flow rate on a 2 L or 4 L reservoir, for circuits carrying more points than a single TZ.



RATED PRESSURE 15 kgf/cm²	DISCHARGE 110 – 260 ml/min
MOTOR POWER 20 W	RESERVOIR 2 L / 4 L

HOW IT WORKS

The same gear-pump principle as the TZ at a wider volumetric flow rate, so one HL can serve a longer main line or a larger distributor group. Rated 15 kgf/cm², maximum 25 kgf/cm², volumetric flow rate 75% or better.

With the pressure take-off mechanism the pump forms a positive-displacement inspecting volumetric system, dosing oil to each point through a volumetric distributor. Without it, it forms a resist-type system, delivering oil in proportion to each point.

Level switch standard, pressure switch to order. Together they let the pump detect system pressure and oil level and integrate intermittence, operation and alarm.

SPECIFICATION

Type	Motor-driven gear pump, special alloy steel
Voltage	100 V / 200 V single-phase
Rated rotary speed	3360 r/min (60 Hz) · 2800 r/min (50 Hz)
Motor power output	20 W
Rated pressure	15 kgf/cm²
Max pressure	25 kgf/cm²
Volumetric flow rate	≥ 75%
Viscosity	30 – 1000 cst
Reservoir	2 L or 4 L · metal custom-made to order
Timer	Without module · built-in dual-timer module
Monitoring	Level switch standard · pressure switch optional, 5 or 10 kgf/cm²

MODEL SELECTION

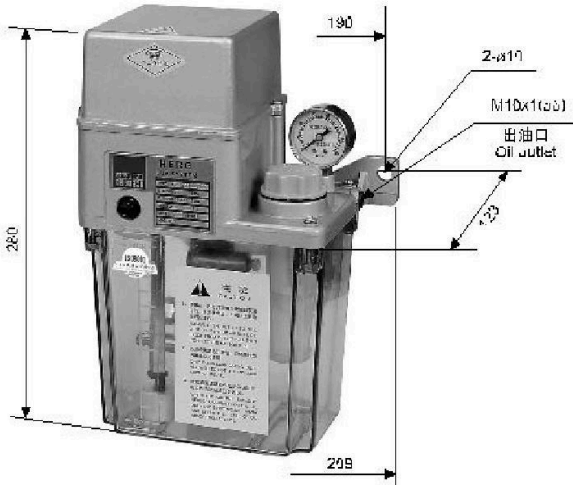
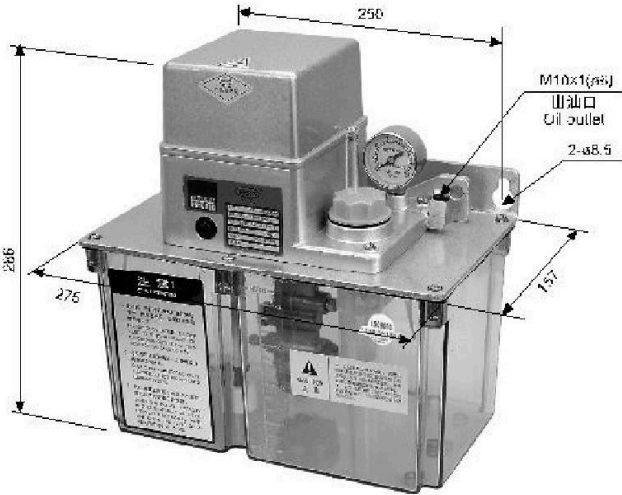
MODEL	VOLTAGE	RATED SPEED	DISCHARGE CAPACITY
HL-2201	100 V	3360 r/min · 60 Hz	130 ml/min
HL-2202	200 V	2800 r/min · 50 Hz	110 ml/min
HL-3201	100 V	3360 r/min · 60 Hz	260 ml/min
HL-3202	200 V	2800 r/min · 50 Hz	220 ml/min

HL-2211 · HL-2212 · HL-3211 · HL-3212 have a built-in microcomputer for free setting of action and intermittent time.

GUIDE TO ORDER

HL-2212-210X	HL type lubrication pump · 100–200 cc/min discharge · 2P motor · built-in dual-timer module · single-phase 220 V · 2 L oil reservoir · 10 kgf/cm ² pressure switch action · built-in pressure take-off mechanism.
1 Discharge capacity per minute	1 = 0–100 cc · 2 = 100–200 cc · 3 = 200–300 cc
2 Number of motor poles	2 = 2P
3 Timer module	0 = without dual-timer module · 1 = built-in dual-timer module
4 Motor type	1 = single-phase 100 V · 2 = single-phase 220 V
5 Reservoir volume	2 = 2 L · 4 = 4 L
6 Pressure switch action pressure	00 = without pressure switch · 05 = 5 kgf/cm ² · 10 = 10 kgf/cm ²
7 Pressure take-off mechanism	X = built-in, for dosing distributors · T = without, for resist-type
8 Suffixes	D = level switch up is on (blank = down is on)

DIMENSIONS

	
2 L reservoir – overall dimensions	4 L reservoir – overall dimensions

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

APPLICATIONS

Machine tools
Plastic machinery
Spinning and weaving machines
Printing machinery and light industry
Escalators and conveyors

SYSTEM PAIRING

RH-3 inspecting volumetric distributor
34 / 35 type pressure volumetric distributor
TCJ / TCZ / TK resist-type distributors
SD1 / SD2 progressive distributors

CHECK BEFORE ORDERING

HL is single-phase only, 100 V or 200 V. For three-phase supply specify a TZ.
The pressure take-off mechanism is built in at manufacture. State the distributor type on the order.
Metal reservoirs are custom-made. Specify at time of order.

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.

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Specifications are the manufacturer's and are subject to change without notice. AMAG-DS-HL-01 · Rev A · August 2026.