

TZ Type Motor-Driven Lubrication Pump

TZ-2201 · TZ-2202 · TZ-3201 · TZ-3202

Special alloy-steel gear pump on a 2 L or 4 L reservoir, delivering 110 – 260 ml/min at 15 kgf/cm² with level and pressure monitoring built in.

	RATED PRESSURE 15 kgf/cm²	DISCHARGE 110 – 260 ml/min
	RESERVOIR 2 L / 4 L	VISCOSITY 30 – 1000 cst

HOW IT WORKS

A special alloy-steel gear set draws oil from the reservoir and delivers it to the main line at 15 kgf/cm² rated, 25 kgf/cm² maximum, with volumetric efficiency of 75% or better. Self-absorbing performance is good enough that the pump can sit above the oil level.

The build decides the circuit. With the pressure take-off mechanism the pump cycles positive-displacement volumetric distributors, delivering a dosed volume to each point. Without it, the pump feeds resist-type distributors, delivering oil to each point in proportion.

A level switch is fitted as standard; a pressure switch is available. Fitted with both, the pump detects system pressure and oil level and integrates intermittence, operation and alarm functions automatically – on its own timer module or from the machine's PLC.

SPECIFICATION

Type	Motor-driven gear pump, special alloy steel
Voltage	100 V / 200 V single-phase · 200 V / 380 V three-phase
Rated rotary speed	3360 r/min (60 Hz) · 2800 r/min (50 Hz)
Motor power output	25 W
Current	0.35 A
Rated pressure	15 kgf/cm ²
Max pressure	25 kgf/cm ²
Volumetric flow rate	≥ 75%
Viscosity	30 – 1000 cst
Reservoir	2 L or 4 L, high-strength plastic · metal custom-made to order

Timer	Without module · built-in microcomputer · NK-3 with digital display and push buttons
Monitoring	Level switch standard · pressure switch optional, 5 or 10 kgf/cm ²

TZ TYPE MOTOR-DRIVEN LUBRICATION PUMP

AMAG-DS-TZ-01 · SELECTION & ORDERING

MODEL SELECTION

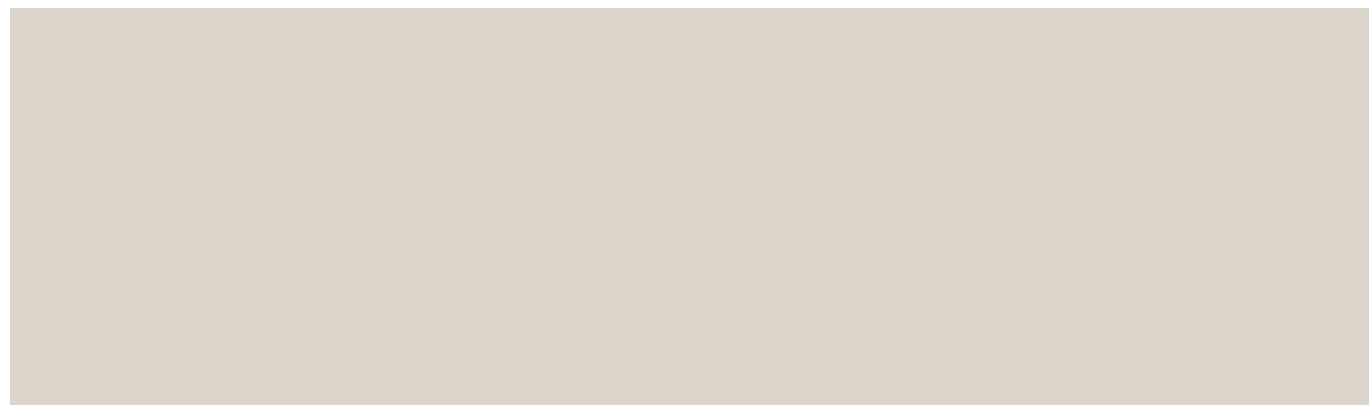
MODEL	VOLTAGE	RATED SPEED	DISCHARGE CAPACITY
TZ-2201	100 V	3360 r/min · 60 Hz	130 ml/min
TZ-2202	200 V	2800 r/min · 50 Hz	110 ml/min
TZ-3201	100 V	3360 r/min · 60 Hz	260 ml/min
TZ-3202	200 V	2800 r/min · 50 Hz	220 ml/min

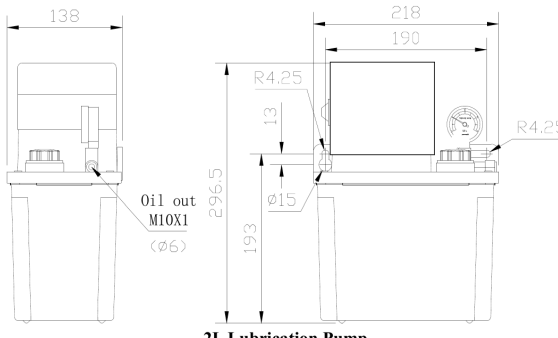
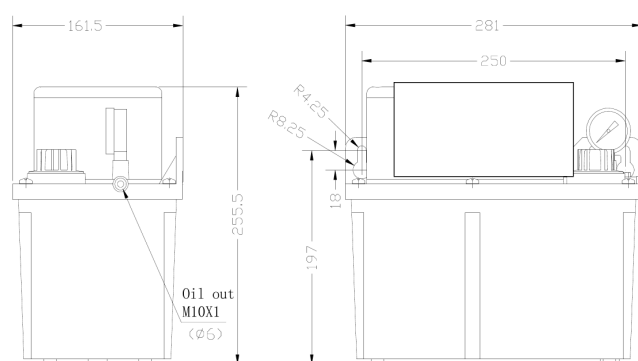
TZ-2211 · TZ-2212 · TZ-3211 · TZ-3212 have a built-in microcomputer for free setting of action and intermittent period. TZ-2231 · TZ-2232 · TZ-3231 · TZ-3232 add a digital display for simple time setting.

GUIDE TO ORDER**TZ-2232-410X**

TZ type lubrication pump · 100–200 cc/min discharge · 2P motor · NK-3 digital display microcomputer · single-phase 220 V · 4 L oil reservoir · 10 kgf/cm² pressure switch action · built-in pressure take-off mechanism.

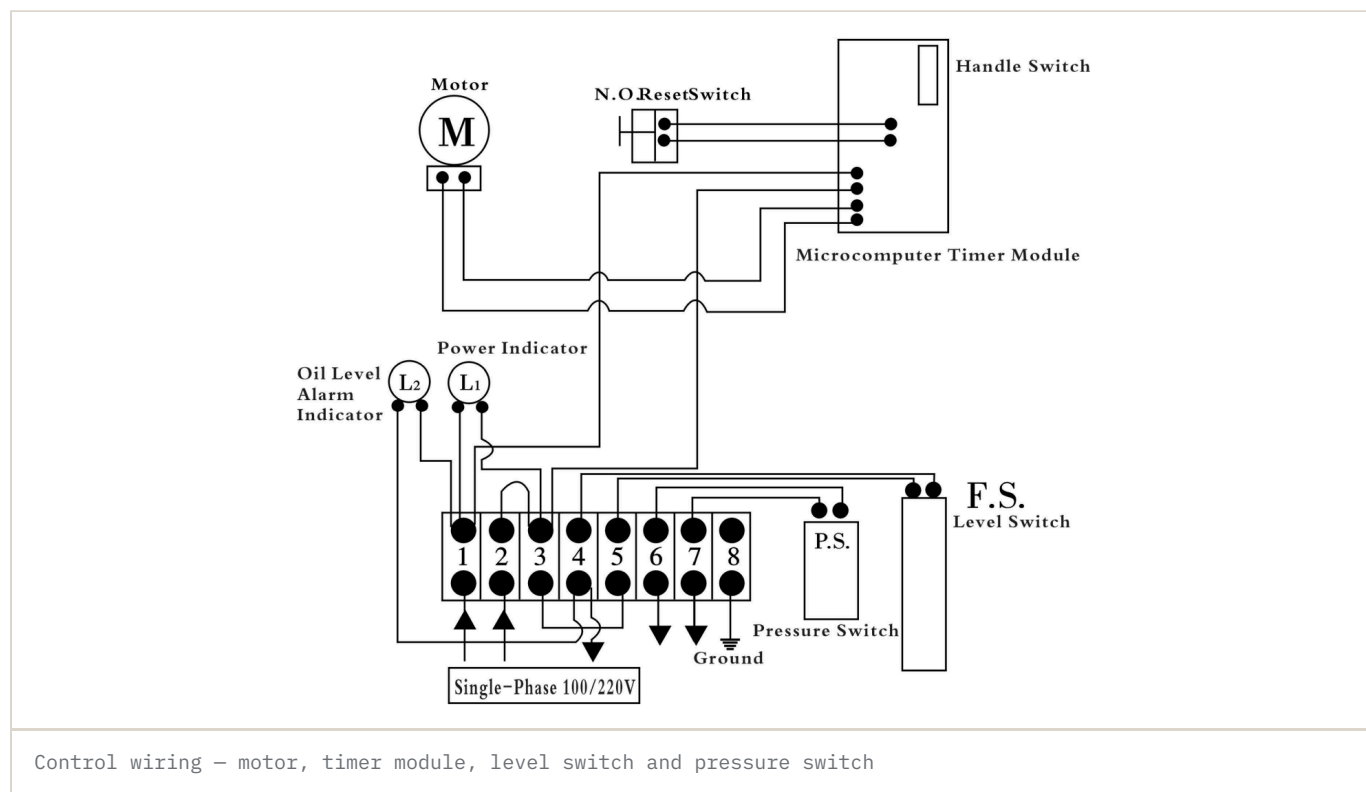
1 Discharge capacity per minute	1 = 0–100 cc · 2 = 100–200 cc · 3 = 200–300 cc
2 Number of motor poles	2 = 2P
3 Timer module	0 = without dual-timer module · 1 = built-in dual-timer module · 3 = NK-3 dual-timer with digital display
4 Motor type	1 = single-phase 100 V · 2 = single-phase 220 V · 3 = three-phase 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 · 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	A = motor (blank = induction motor) · B = with buzzer · D = level switch up is on (blank = down is on)

DIMENSIONS

iii. Overall and installation dimensions  Oil out M10x1 (Ø6) 2L Lubrication Pump 3	 Oil out M10x1 (Ø6) 4L Lubrication Pump
2 L reservoir – overall dimensions, outlet M10×1 (Ø6)	4 L reservoir – overall dimensions and fixing centres

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

OPERATING PRINCIPLE



APPLICATIONS

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

SYSTEM PAIRING

RH-3 inspecting volumetric distributor – build with take-off
34 / 35 type pressure volumetric distributor – build with take-off
TCJ / TCZ resist-type distributor – build without take-off

CHECK BEFORE ORDERING

State voltage, reservoir size and take-off requirement on the order. None of the three is a field-change.

A pump ordered T (without take-off) will not cycle a volumetric distributor — points will be starved with no visible fault.

Metal reservoirs are custom-made. Specify at time of order.

ORDER THIS PART

EMAIL & WEB

WARRANTY

+91 73976 31796

mail@amagcnc.com

One year against manufacturing defect from date of invoice.

WhatsApp the model code.

amagcnc.com

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