www.koolance.com

Specifications Sheet

Generated: 2026-11-13

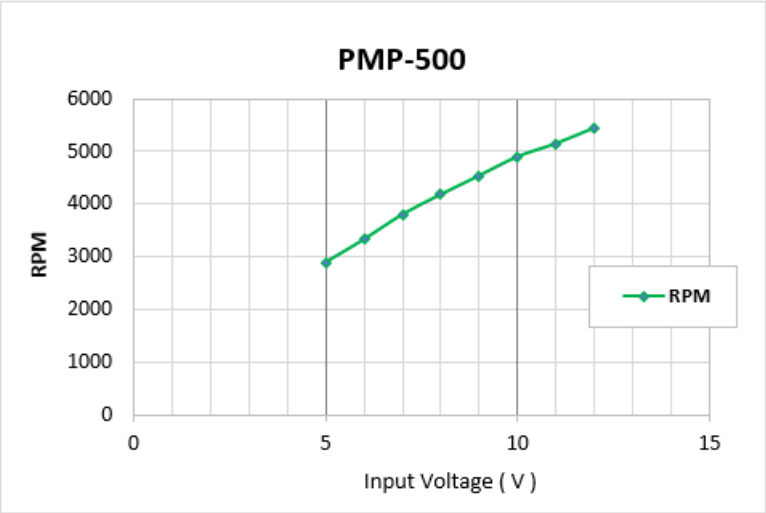
P/N: PMP-500

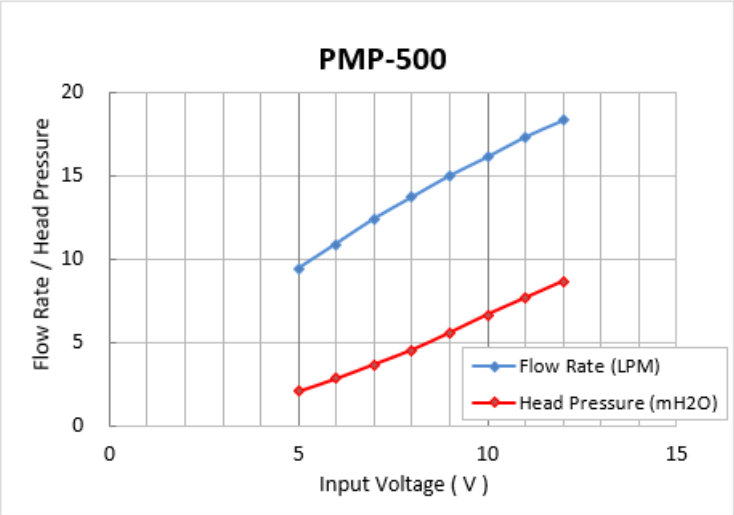
PMP-500 Pump, G 1/4 BSP

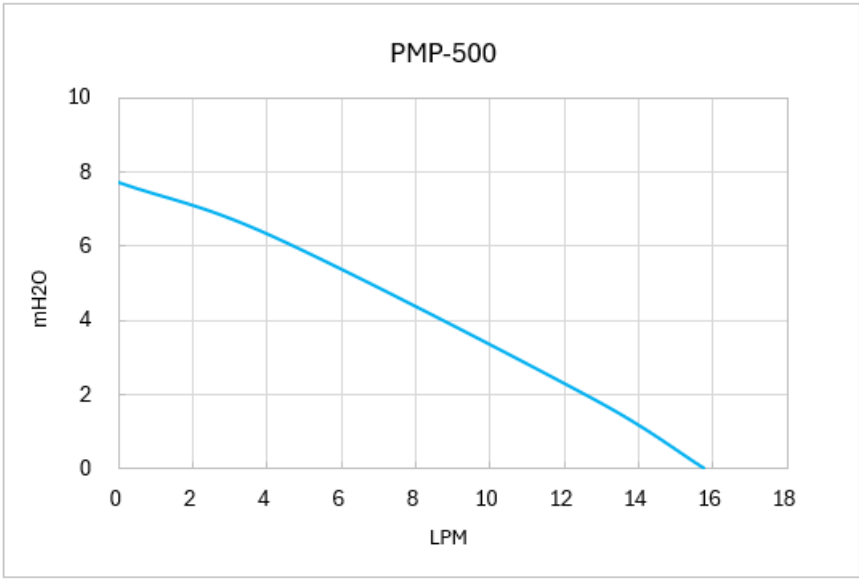


- Maximum Flow Rate: 16L/min (4.2 gal/min)
- Maximum Head Pressure: 7.5m (24.6ft)
- Motor: Brushless DC
- Power Consumption (at max): 32W
- Voltage Range: 6 to 12 VDC
- Maximum Temperature: 75°C (167°F)
- Electrical Connector: 4-pin Molex power supply connection + 3-pin (single lead) tach
- Hose Connections: G 1/4 BSPP Threads
- Noise: Less than 50dBA
- Weight: 454g (1lbs)
- Mounting Bracket Included

General	
Weight	1.20 lb (0.54 kg)
Fitting Thread	G 1/4 BSPP
Max Pressure Tolerance @ 25°C	1.5kgf/cm2 (21.3psi)
Max Temperature Tolerance	75°C (167°F)
Wetted Materials	PPE, Carbon, Ceramic, EPDM, ABS, POM, Ferrite
Pumps	
Expected Lifetime	30,000 hrs. MTBF
Max Flow Rate	16L/min (4.2GPM)
Max Power	32W
Max Static Head	7.5m (24.6ft)
Speed Knob	no
Tachometer	yes
Type	Magnetic Centrifugal
Voltage	6-12 VDC


PMP-500
RPM
6000
5000
4000
3000
2000
1000
0
0
5
10
15
Input Voltage (V)
RPM

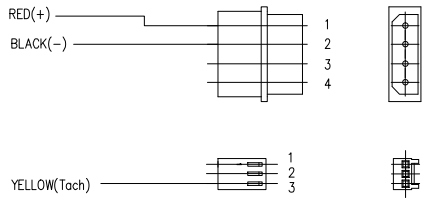

PMP-500
Flow Rate / Head Pressure
20
15
10
5
0
0
5
10
15
Input Voltage (V)
Flow Rate (LPM)
Head Pressure (mH2O)

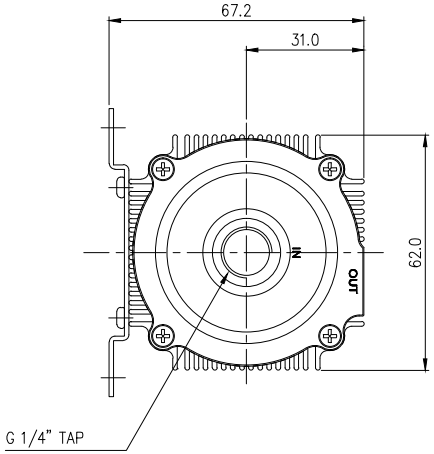

PMP-500
mH2O
10
8
6
4
2
0
0
2
4
6
8
10
12
14
16
18
LPM

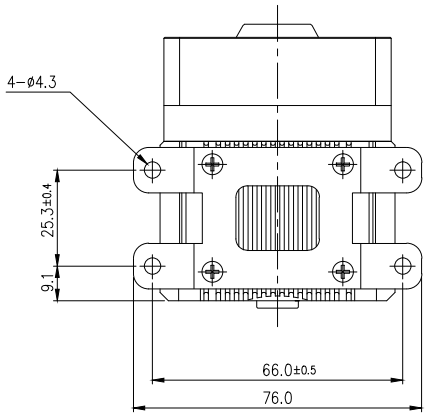
< 4 pin CONNECTOR >
- Housing : ALEX 6060-04 (or Equivalent)
- Terminal : ALEX 62T (or Equivalent)

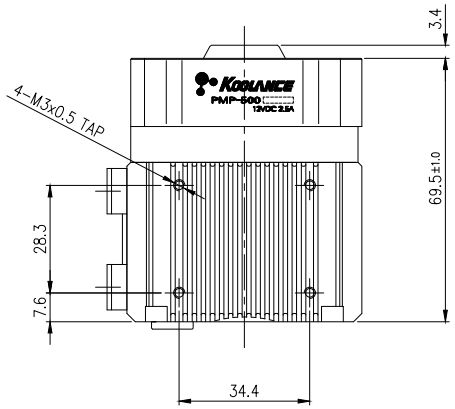
< 3pin CONNECTOR >
- Housing : Molex 5051-03 (or Equivalent)
- Terminal : Molex 5159 (or Equivalent)

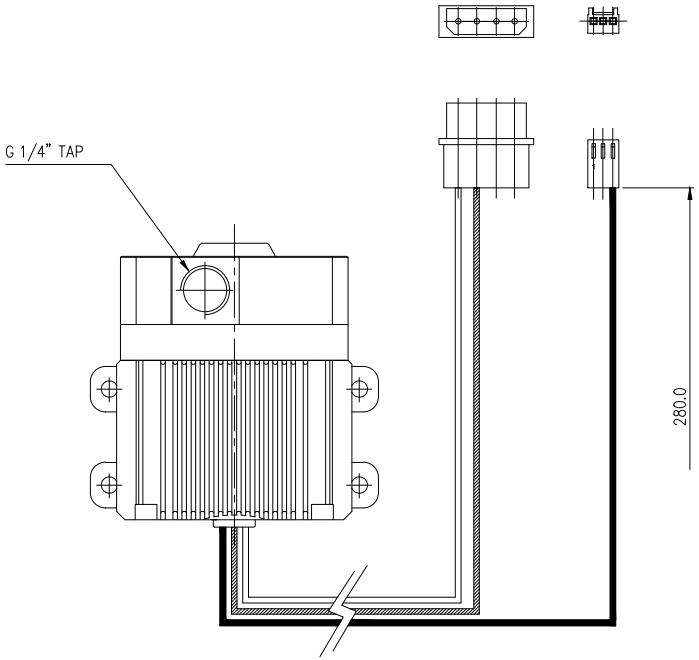
- 12VDC, 2.5A











⚠	MAY.18.2021	CHANGED VDC SPEC.	S.J.LEE		J.S.PARK
REV	DATE	CONTENTS	REVD BY	CHKD BY	APPD BY

REVISION

NO.	DESCRIPTION				PART NO.	QTY.	REMARKS
KOOLANCE					UNIT MM	ITEM Pump	
	DRAWN BY	BY	BY	APPRO BY	SCALE N/S	TITLE Assy	
DATE					3RD ANGLE		
MAR.25.2021	S.J.LEE			J.S.PARK	KK CODE NO. PMP-500	DRAWING NO. -	REV -