1/4HP Motor with Rotary Oil Pump



CYP-11A-2-0-1-D



CYP-11A-2-0-2-D

◆Order Code

CYP-11A-2 — 0 — 1 — D

Rotary Oil Pump Model No.
CYP-10A
CYP-11A-1
CYP-11A-2
CYP-12A
CYP-12L
CYP-13A

Adjustable Pressure Valve CYP-AV	
0	W/O CYP-AV
1	W/CYP-AV

1/4HP Motor Type	
1	Steel Plate Frame Horizontal Motor
2	Cast Iron Frame Horizontal Motor
3	Cast Iron Frame Vertical Motor

Voltage			
A	1Ø110V	F	3Ø208/415V
C	1Ø220V	G	3Ø230/460V
D	3Ø220/380V	H	3Ø240/480V
E	3Ø220/440V	X	Special Voltage

1/2HP and above Cast Iron Frame Horizontal Motor with Heavy Oil Pump



CYP-204-1-04-D



CYP-208-1-08-D-Y

◆Order Code

CYP-204 — 1 — 04 — D — ※

Rotary Oil Pump Model No.
CYP-204
CYP-206
CYP-208
CYP-210
CYP-212-1
CYP-212-2
CYP-216
CYP-220

Adjustable Pressure Valve CYP-HA	
0	W/O CYP-HA
1	W/CYP-HA

Cast Iron Frame Horizontal Motor	
04	1/2 HP
08	1 HP
16	2 HP

Voltage	
A	1Ø110V
C	1Ø220V
D	3Ø220/380V
E	3Ø220/440V
F	3Ø208/415V
G	3Ø230/460V
H	3Ø240/480V
X	Special Voltage

Special Request	
M	Change to TECO Motor, add a Coupling, Mounting Base, and Cover (For 1HP Only)
Y	Shaft Size Ø19, add a Coupling, Mounting Base, and Cover (For 1HP Only)

※ A standard dual-voltage motor is connected for low voltage. Please specify if you need it to be connected to high voltage when placing an order.

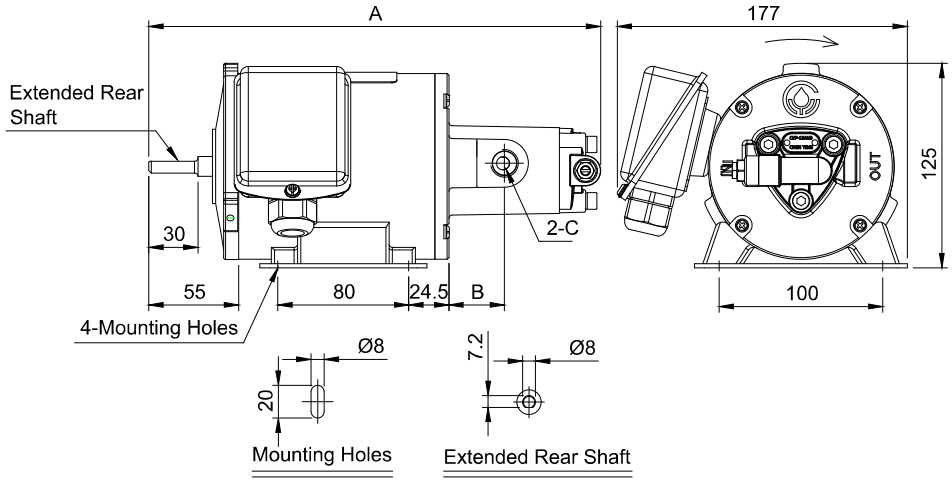
※ Recommend adding an adjustable pressure valve to prolong the lifetime of the motor and oil pump.

Integrated Motor with Oil Pump PMO-1

CHEN YING



PMO-1-02-F-13-1



Dimensional Drawing of PMO-1-02-F-13-1

◆Features

1. Integrated Motor with Oil Pump only rotates either clockwise or anti-clockwise and the specification is only available for 1/4 HP Horizontal Motor.
2. The shafts of motor and pump rotor are integrated so that it can prevent the two shafts from chafing against each other and prolong the life time of it.
3. There are CYP-12A and CYP-13A available for different flow rates.
4. It can be added an adjustable pressure valve as optional. The range of pressure adjustment is 2-5 kgf/cm².
5. CYP oil pump can be added bearings to reduce wear rate and the noise. This design has Taiwan Design Patent no. M344393.
6. It can be applied widely for lubricating or cooling in various machines, such as CNC machines, knitting machines and planning machines.
7. Suitable oil viscosity range is 32~68cSt@40°C
8. The suitable operation temperature range is 0°C~90°C.

◆Dimensional Data & Technical Data

Model	W/Adjustable Pressure Valve	A	B	C	Discharge Volume (L/min)		Max Pressure	R.P.M	N.W.(g)
					1420rpm	1720rpm			
CYP-12A	O	265	37	PT1/4	3.7	4.5	5 kgf/cm²	1420~1720 rpm	7020
	X	249	37						6787
CYP-13A	O	277	34	PT3/8	6.5	7.9			7150
	X	261	34						6917

◆Order Code

PMO-1 — 02 — F — 13 — 1 — ※

PMO-1
Integrated Motor W/Oil Pump

02	HP
02	1/4 HP

F	Voltage		
A	1Ø110V	G	3Ø230/460V
C	1Ø220V	H	3Ø240/480V
D	3Ø220/380V	M	3Ø220V
E	3Ø220/440V	N	3Ø380V
F	3Ø208/415V	X	Special Voltage

13	Pump Model
12	12A
13	13A

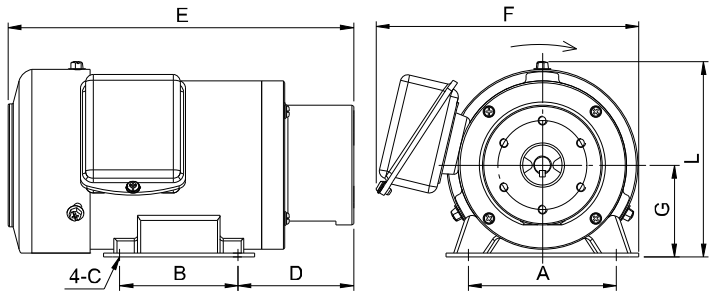
1	Pressure Valve
1	With Pressure Valve
0	Without Pressure Valve

※	Special Request
B	Pump With Bearings
FAN	Add a Fan

Steel Plate Frame Horizontal Coupled Motor

PMO-2

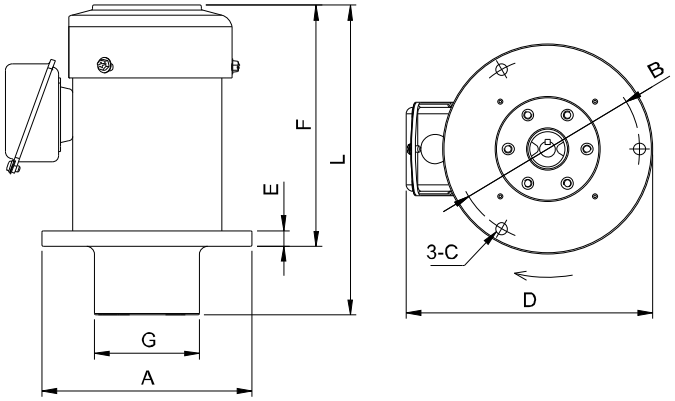




HP	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	L (mm)	N.W. (kg)
1/4	100	80	Ø8	78	233.5	177	62	132	6.6

Steel Plate Frame Vertical Coupled Motor





HP	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	L (mm)	N.W. (kg)
1/4	Ø160	Ø140	Ø9	188.0	11	184	Ø80	237	7.9

◆Order Code

PMO-2 – 02 ——— D ——— 3 ——— ※ ——— AV

Motor with Connector

HP	
02	1/4 HP

Voltage	
A	1Ø110V
C	1Ø220V
D	3Ø220/380V
E	3Ø220/440V
F	3Ø208/415V
G	3Ø230/460V
H	3Ø240/480V
X	Special Voltage

Type	
1	Vertical
3	Horizontal

Special Request (Add Rotary Oil Pump)	
10A	W/CYP-10A
11A-1	W/CYP-11A-1
11A-2	W/CYP-11A-2
12A	W/CYP-12A
12L	W/CYP-12L
13A	W/CYP-13A

Optional
Adding an Adjustable Pressure Valve



PMO-2-02-D-3-12A



PMO-2-02-D-3-12A-AV

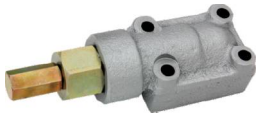
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※ Recommend adding an adjustable pressure valve to prolong the lifetime of the motor and oil pump.

Adjustable Pressure Valve



CYP-AV



CYP-HA

Model	Pressure Adjustment Range (kgf/cm^2)	Suitable Oil Pump	N.W. (g)
CYP-AV	0 - 5	Rotary Oil Pump	352
CYP-HA	0 - 10	Heavy Oil Pump	565