

# How to Order 4" Submersible Pumps

Order by Model Number Example: 24200R3

**24**

**Pump Model**  
4" Submersible  
Stainless Steel  
Pumps are **Model 24**

**200**

**Horsepower**  
100 - 1 HP  
150 - 1 1/2 HP  
200 - 2 HP  
300 - 3 HP  
500 - 5 HP  
750 - 7 1/2 HP  
1000 - 10 HP

**R**

**Series**  
R Series - 35 GPM  
G Series - 40 GPM  
S Series - 55 GPM  
Q Series - 60 GPM  
T Series - 80 GPM

**3**

**Wires**  
Two wire or  
Three wire  
(Leave blank  
for pump  
end only)

**Other**

Leave blank for 230V  
60 HZ, Single Phase (Standard)  
A - 115V Single Phase  
C - 200V Three Phase  
Z - 230V Three Phase  
Q - 380V Three Phase  
Y - 460V Three Phase

**Model 24200R3 is a 2 HP, three wire, 230 volt, single phase stainless steel 4" high flow submersible pump, designed to pump in the 35 GPM range.**

**Other Options - Contact Factory**

M - 575V Three Phase  
E - 220V 50HZ Single Phase  
F - 220V 50HZ Three Phase  
H - 380V 50HZ Three Phase  
N - 415V 50HZ Three Phase

**NOTES**

- Standard is 230V, single phase, 60 HZ (no suffix letter required)
- Three-wire single phase models include pump, motor, 48" leads, or 100" leads for 3 HP & larger, control box and check valve.
- Two-wire single phase models include pump, motor, 48" leads and check valves.
- Three-wire three phase models include pump, motor, 48" leads, 100" leads for 3 HP & larger, contactor, and check valve.
- All submersible pumps include grounded leads.



## Locating the code number on the pump

**A.Y. McDonald Mfg. Co.**  
aymcdonald.com

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MODEL: 24150Q      HP: 1 1/2

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GPM: 60

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S/N: T1107010010-0065

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DATE CODE: D C 12C

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MADE IN TAIWAN

A code appears on each A.Y. McDonald submersible pump. Contained in this code is the following information:

- Pump Model
- HP
- Series
- Date of Manufacture

**MATERIALS OF CONSTRUCTION**

<b>Discharge Head</b>	Stainless Steel 304, discharge 2" from 35 GPM to 80 GPM series
<b>Motor Adapter</b>	Stainless Steel 304, NEMA standard
<b>Check Valve</b>	Stainless Steel 304
<b>External Sleeve</b>	Stainless Steel 304 polished
<b>Impellers</b>	Floating type impellers in Noryl
<b>Diffusers</b>	Polycarbonate
<b>Bearing</b>	Polyacetal
<b>Shaft Coupling</b>	Stainless Steel 304
<b>Strainer</b>	Stainless Steel 304
<b>Shaft</b>	Stainless Steel 304
<b>Cable Guard</b>	Stainless Steel 304

# Q Series - 60 GPM

All Q series submersible pumps are designed to pump within the 60 GPM range. Sizes are available from 1 1/2 to 7 1/2 HP. All models are standard with 2" NPT discharge.

## Models Available

### Two Wire Single Phase

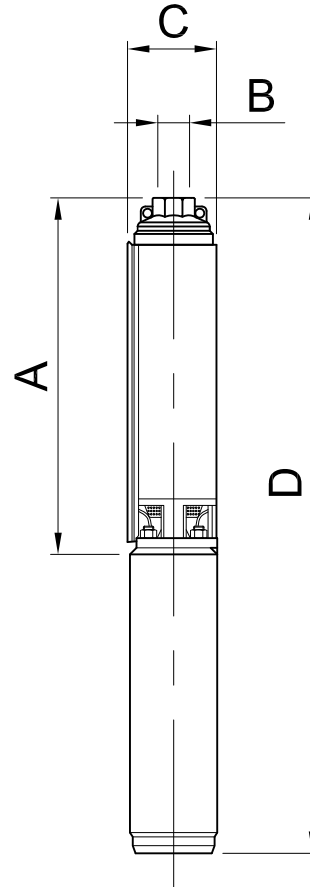
Model No.	HP	Stages	Volt	A	B	C	D	Wt.
24150Q2	1 1/2	4	230	14.9"	2"	3.9"	30.8"	40

### Three Wire Single Phase

Model No.	HP	Stages	Volt	A	B	C	D	Wt.
24150Q3	1 1/2	4	230	14.9"	2"	3.9"	30.8"	44
24200Q3	2	5	230	16.9"	2"	3.9"	34.3"	48
24300Q3	3	7	230	21.0"	2"	3.9"	40.5"	60
24500Q3	5	11	230	29.2"	2"	3.9"	56.1"	95

### Three Wire Three Phase

Model No.	HP	Stages	Volt	A	B	C	D	Wt.
24150Q3Z	1 1/2	4	230	14.9"	2"	3.9"	29.8"	38
24150Q3Y	1 1/2	4	460	14.9"	2"	3.9"	29.8"	38
24200Q3Z	2	5	230	16.9"	2"	3.9"	32.9"	44
24200Q3Y	2	5	460	16.9"	2"	3.9"	32.9"	44
24300Q3Z	3	7	230	21.0"	2"	3.9"	38.3"	51
24300Q3Y	3	7	460	21.0"	2"	3.9"	38.3"	51
24500Q3Z	5	11	230	29.2"	2"	3.9"	56.1"	74
24500Q3Y	5	11	460	29.2"	2"	3.9"	56.1"	73
24750Q3Z	7 1/2	17	230	43.0"	2"	3.9"	69.9"	97
24750Q3Y	7 1/2	17	460	43.0"	2"	3.9"	69.9"	95



## Output - in Gallons Per Minute (Depth to Water)

<b>1 1/2 HP</b>	PSI	10'	20'	30'	40'	50'	60'	70'	80'	90'	100'			
	0			85	79	74	67	61	53	44	35			
	30	53	44	35	18									
	50													
<b>2 HP</b>	PSI	10'	20'	30'	40'	50'	60'	70'	80'	90'	100'	120'		
	0				84	82	78	73	67	62	55	39		
	30		62	55	47.5	39	28	15						
	50	37	22											
<b>3 HP</b>	PSI	30'	40'	50'	60'	70'	80'	90'	100'	120'	140'	160'	180'	
	0					84	81	77	73	66	57	46	33	
	30			66	62	57	52	46	40					
	50	55	48	43	37	30								
<b>5 HP</b>	PSI	80'	100'	120'	140'	160'	180'	200'	220'	240'	260'	280'		
	0					77	72.5	67	60	53	44	28.5		
	30			69	66	62.5	50	40	28	16				
	50	69	62	55	47	38	26	15						
<b>7 1/2 HP</b>	PSI	120'	140'	160'	180'	200'	220'	240'	260'	280'	300'	340'	380'	420'
	0					80	78	75	72	69	66	62	50	39
	30			75	73	70.5	67.5	64	60	56	52.5	42		
	50	76	73	69	67	63	57	55	50	46				

# Q Series - 60 GPM

