

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

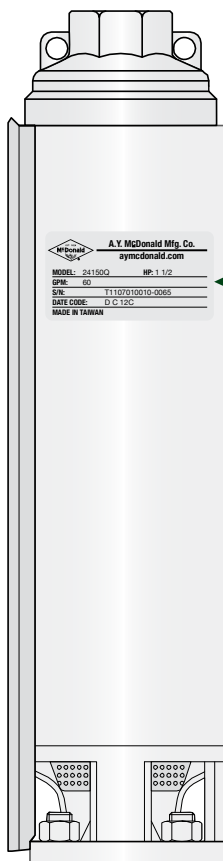
Other Options - Contact Factory

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

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.

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

MODEL: 24150Q HP: 1 1/2
GPM: 60
S/N: T1107010010-0065
DATE CODE: D C 12C
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

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

R Series - 35 GPM

All R series submersible pumps are designed to pump within the 35 GPM range. Sizes are available from 1 to 10 HP. All models are standard with 2" NPT discharge.

Models Available

Two Wire Single Phase

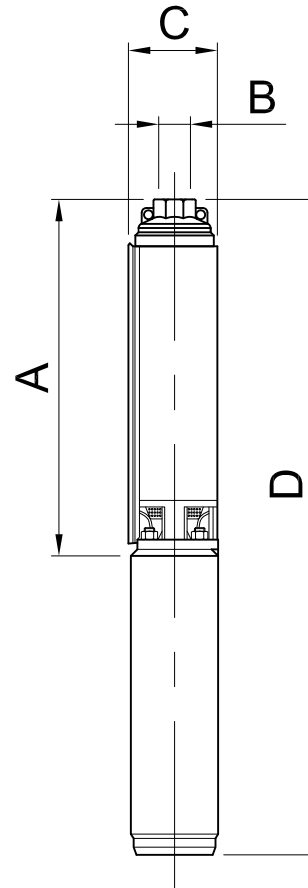
Model No.	HP	Stages	Volt	A	B	C	D	Wt.
24100R2	1	6	230	14.1"	2"	3.9"	29.1"	38
24150R2	1 1/2	8	230	16.6"	2"	3.9"	32.5"	40

Three Wire Single Phase

Model No.	HP	Stages	Volt	A	B	C	D	Wt.
24100R3	1	6	230	14.1"	2"	3.9"	29.1"	38
24150R3	1 1/2	8	230	16.6"	2"	3.9"	32.5"	48
24200R3	2	10	230	19.0"	2"	3.9"	36.3"	52
24300R3	3	14	230	23.9"	2"	3.9"	43.4"	75
24500R3	5	22	230	35.2"	2"	3.9"	62.0"	103

Three Wire Three Phase

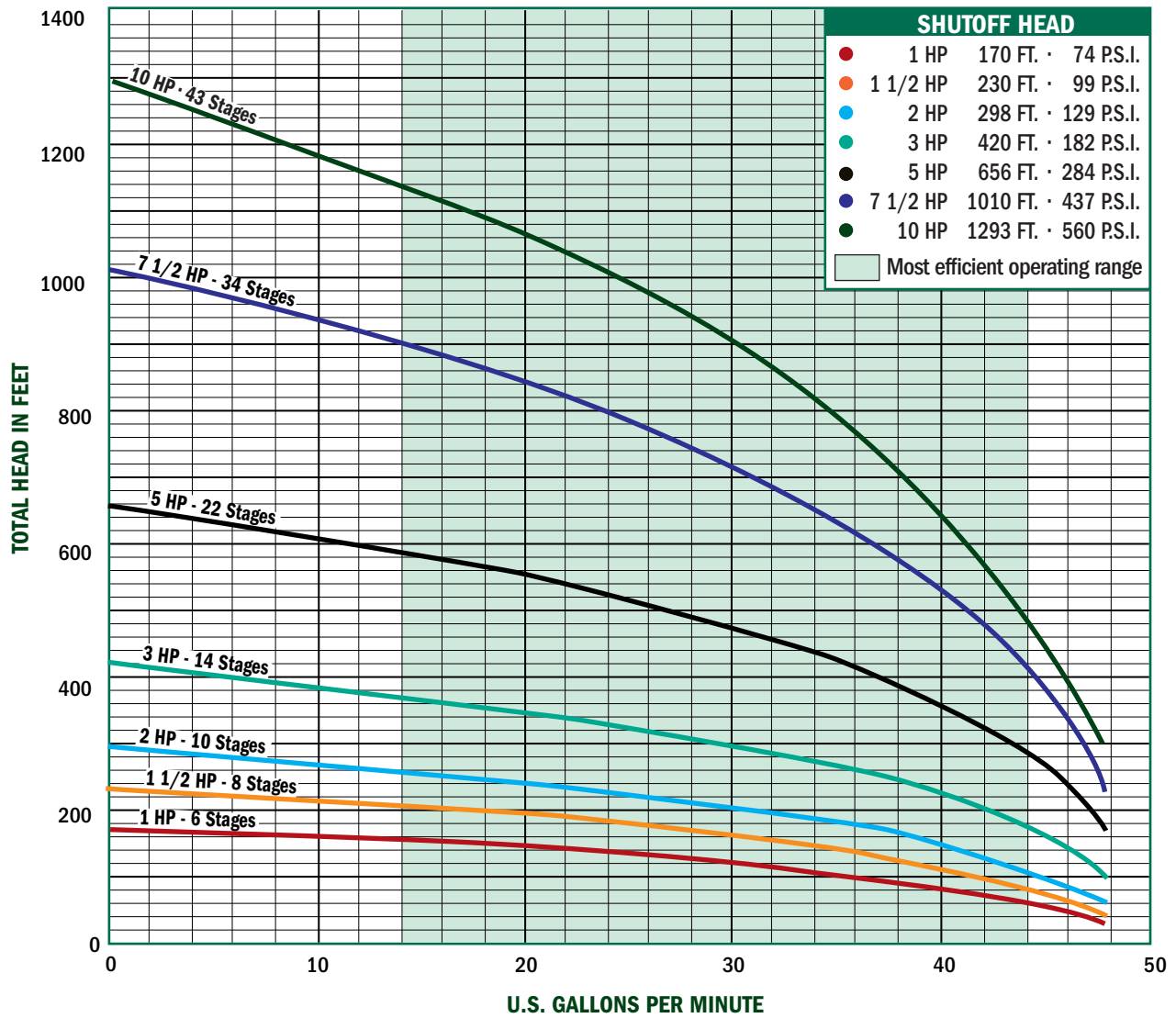
Model No.	HP	Stages	Volt	A	B	C	D	Wt.
24150R3Z	1 1/2	6	230	16.6"	2"	3.9"	31.5"	42
24150R3Y	1 1/2	6	460	16.6"	2"	3.9"	31.5"	37
24200R3Z	2	8	230	19.0"	2"	3.9"	35.0"	62
24200R3Y	2	8	460	19.0"	2"	3.9"	35.0"	48
24300R3Z	3	14	230	23.9"	2"	3.9"	41.2"	60
24300R3Y	3	14	460	23.9"	2"	3.9"	41.2"	54
24500R3Z	5	22	230	35.2"	2"	3.9"	62.0"	79
24500R3Y	5	22	460	35.2"	2"	3.9"	62.0"	74
24750R3Z	7 1/2	34	230	49.5"	2"	3.9"	76.4"	98
24750R3Y	7 1/2	34	460	49.5"	2"	3.9"	76.4"	97
24100R3Y	10	43	460	51.9"	2"	3.9"	82.7"	159



Output - in Gallons Per Minute (Depth to Water)

1 HP	PSI	20'	40'	60'	80'	100'	120'	140'								
	0			43	39	34	27.5	17.5								
	30	38	32	24	15	19										
1 1/2 HP	PSI	20'	40'	60'	80'	100'	120'	140'	160'	180'	200'					
	0				44	42	38	34	30	24	16					
	30		40	37	28	25	22	10								
2 HP	PSI	40'	60'	80'	100'	120'	140'	160'	180'	200'	220'	240'	260'			
	0				44.3	42.3	41	39	35	30	24	18	12			
	30		42	41	39	35	30	21	16	9						
3 HP	PSI	60'	80'	100'	120'	140'	160'	180'	200'	220'	240'	260'	280'	300'	340'	380'
	0					44.5	43.5	42	40	38	35.8	32.2	28	20	10	
	30			44	42.5	41	40	38	35	32	26	24	20	14		
	50	42.5	41	40.5	39	36	34	31	27	22	18	13				

R Series - 35 GPM



5 HP	PSI	150'	200'	250'	300'	350'	400'	450'	500'	550'	600'
	0			45	43	40	36.5	32	26.8	20	11.8
	30			44.5	42	39	32	30	24	16.8	
50	44.5	42.5	39.8	35.8	29.	25					

7 1/2 HP	PSI	300'	350'	400'	450'	500'	550'	600'	650'	700'	750'	800'	850'	900'
	0					41	39	36.5	34	31	27	23.5	19	12
	30				41	40	38	35	32.3	29	25	22	17	12
50	43	42	40	37.8	5	31.3	29	26	21	16	12			

10 HP	PSI	450'	500'	550'	600'	650'	700'	750'	800'	850'	900'	950'	1000'	1050'	1100'	1150'	1200'
	0				43	41	40	38	36	34	31.5	28.5	26	22.3	18.2	14.2	10
	30		43.2	41.2	40.3	38.3	37	35	33	30	27.3	24	21	17	13		
50	43.5	42.2	40.5	39.5	37	35.8	33	31	28	25	21	18					