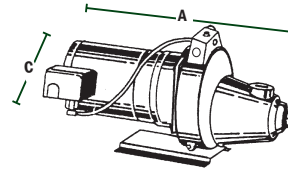
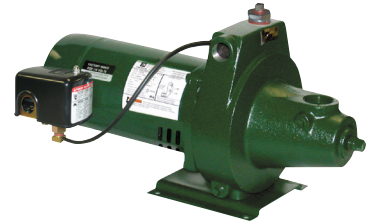


# SUBMITTAL DATA SHEET

Jet Pumps  
Convertible | Shallow Well

## 8500 Series - Shallow Well



Overall Length "A"  
Overall Height "B"  
Overall Width with Pressure Switch "C"  
Overall Width without Pressure Switch "D"

All 8500 Series Shallow Well Pumps come with a 1 1/4" suction pipe and 3/4" discharge on the side or 1" on top. The sizes range from 1/3 to 1 horse power (HP).

### Models Available

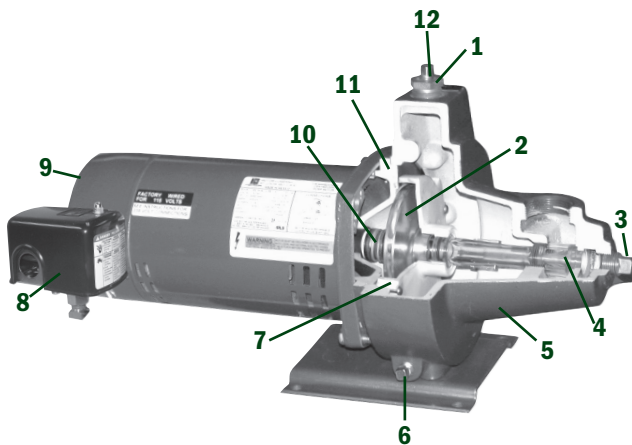
#### High Capacity

Model No.	HP	Volt	*Max. Amps	Impeller	A	B	C	D	WT
8530	1/3	<b>115/230</b>	10.6	plastic	19.5"	10"	10.5"	8"	38
8531	1/3	<b>115/230</b>	10.6	brass	19.5"	10"	10.5"	8"	40
8550	1/2	<b>115/230</b>	12.0	plastic	20"	10"	10.5"	8"	40
8551	1/2	<b>115/230</b>	12.0	brass	20"	10"	10.5"	8"	41
8570	3/4	<b>230/115</b>	7.6	plastic	20.2"	10"	10.5"	8"	42
8571	3/4	<b>230/115</b>	7.6	brass	20.2"	10"	10.5"	8"	44
8510	1	<b>230/115</b>	9.2	plastic	20.6"	10"	10.5"	8"	45
8511	1	<b>230/115</b>	9.2	brass	20.6"	10"	10.5"	8"	46

Factory Voltage setting listed first in bold type.

#### High Pressure

Model No.	HP	Volt	*Max. Amps	Impeller	A	B	C	D	WT
8530HP	1/3	<b>115/230</b>	10.6	plastic	19.5"	10"	10.5"	8"	41
8531HP	1/3	<b>115/230</b>	10.6	brass	19.5"	10"	10.5"	8"	42
8550HP	1/2	<b>115/230</b>	12.0	plastic	20"	10"	10.5"	8"	40
8551HP	1/2	<b>115/230</b>	12.0	brass	20"	10"	10.5"	8"	42
8570HP	3/4	<b>230/115</b>	7.6	plastic	20.2"	10"	10.5"	8"	42
8571HP	3/4	<b>230/115</b>	7.6	brass	20.2"	10"	10.5"	8"	44
8510HP	1	<b>230/115</b>	9.2	plastic	20.6"	10"	10.5"	8"	45
8511HP	1	<b>230/115</b>	9.2	brass	20.6"	10"	10.5"	8"	47



**1 - Zinc Plated Plug**  
(With Pressure Gauge Tap and 1/4" plug in side discharge, see picture above)

**2 - Impeller**  
Available in engineered polycarbonate thermoplastic

**3 - Zinc Plated Nozzle Cleanout Plug**

**4 - Nozzle-Venturi (jet Ejector) Assembly**  
Unitized construction made of non-distorting Polycarbonate with excellent heat resistance

**5 - Cast Iron Pump Body**

**6 - Drain Plug**

**7 - Diffuser**  
Quas-volute engineered thermoplastic diffuser for maximum capacity and pressure

**8 - Pressure Switch**  
Easily adjusted for higher or lower operating pressures

**9 - High Service Factor, Capacitor Start, Threaded Shaft, Square Flange Motor**  
Built to specifications by nationally known manufacturers to assure local service availability.  
Choice of 1/3, 1/2, 3/4 and 1 H.P.  
50 Hz. or 60 Hz.

**10 - Shaft Seal**  
Standard 5/8" ceramic carbon rotating mechanical seal

**11 - Thermoplastic Seal / Condensation Plate**  
Provides air gap between motor and water chamber

**12 - Discharge**  
1" Top or 3/4" Side discharge

### SUBMITTAL INFORMATION

- Pressure switch factory settings:  
1/3 and 1/2 HP High Capacity = 20-40 PSI  
1/3 and 1/2 HP High Pressure = 30-50 PSI  
All 3/4 and 1 HP = 30-50 PSI

- Square Flange Motor 7/16" - 20 Threads  
\* Maximum Amp. Draw at factory voltage setting.

NO-LEAD: The weighted average of the wetted surface of this no-lead product contacted by consumable water contains less than one quarter of one percent (0.25%) lead.



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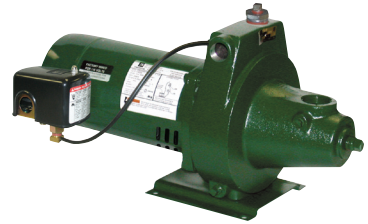
A.Y. McDonald considers the information on this assembly drawing correct when published. Item and option availability, including specifications, are subject to change without notice.

Submitted by:

# SUBMITTAL DATA SHEET

Jet Pumps  
Convertible | Shallow Well

## 8500 Series - Shallow Well



All 8500 Series Shallow Well Pumps come with a 1 1/4" suction pipe and 3/4" discharge on the side or 1" on top. The sizes range from 1/3 to 1 horse power (HP).

### 8500 Series - High Capacity | Shallow Well

Model No.	HP	Suction Lift - FT.	Capacities in GPM at Discharge Pressure (PSI)				Max. Shut Off Pressure
			20	30	40	50	
8530 8531	1/3	5	12.6	12.6	7.4	2.5	57
		15	10.0	10.0	6.0	1.3	
		25	5.8	5.8	2.7	--	
8550 8551	1/2	5	15.6	15.6	8.6	2.3	58
		15	11.7	11.7	6.5	1.2	
		25	6.6	6.6	4.7	--	
8570 8571	3/4	5	18.8	18.8	16.2	8.8	61
		15	14.4	14.4	12.3	3.9	
		25	8.6	8.6	7.3	2.7	
8510 8511	1	5	24.2	24.0	23.0	15	64
		15	20.1	18.6	18.4	10.9	
		25	11.6	11.4	11.3	4.7	

### 8500HP Series - High Pressure | Shallow Well

Model No.	HP	Suction Lift - FT.	Capacities in GPM at Discharge Pressure (PSI)					Max. Shut Off Pressure
			30	40	50	60	70	
8530HP 8531HP	1/3	5	6.7	6.1	4.3	2.3		70
		15	4.8	4.6	3.3	1.1		
		25	3.0	2.9	2.1			
8550HP 8551HP	1/2	5	7.6	7.1	5.7	2.7		74
		15	5.5	5.4	4.3	2.0		
		25	3.7	3.6	2.9			
8570HP 8571HP	3/4	5	9.4	9.4	7.8	4.2		75
		15	7.0	7.0	5.9	2.9		
		25	4.6	4.6	3.8	2.1		
8510HP 8511HP	1	5	13.4	13.4	12.7	9.2	3.0	80
		15	10.0	10.0	9.4	6.5	2.4	
		25	6.2	6.2	6.0	4.3	1.8	

NO-LEAD: The weighted average of the wetted surface of this no-lead product contacted by consumable water contains less than one quarter of one percent (0.25%) lead.



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