



SHALLOW WELL JET PUMPS

AY McDonald

8500 Series Shallow Well Jet Pumps

For shallow well applications, choose the AY McDonald 8500 Series. They come in sizes from 1/3 to 1 hp and have shallow well capacities up to 1600 GPH and pressures up to 70 psi. They also have a built-in regulating valve.

- Thermoplastic seal/condensation plate provides air gap between motor and water chamber
- Impeller available in engineered polycarbonate thermoplastic
- Quad-volute engineered thermoplastic diffuser for maximum capacity and pressure
- Easily adjustable pressure switch for higher or lower operating temperatures
- Unitized construction made of non-distorting polycarbonate with excellent heat resistance (nozzle ventury assembly)
- Cast iron pump body

SPECIFICATIONS

MODEL	HP	VOLTS	MAX. AMPS	SUCTION LIFT (ft)	CAPACITIES IN GPM AT DISCHARGE PRESSURE				MAX. SHUT OFF PRESSURE
					20 psi	30 psi	40 psi	50 psi	
8500 SERIES HIGH CAPACITY SHALLOW WELL JET PUMPS									
8530	1/3	115/230	10.6	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	1/2	115/230	12.0	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	3/4	230/115	7.6	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	1	230/115	9.2	5	24.2	24.0	23.0	15.0	64
				15	20.1	18.6	18.4	10.9	
				25	11.6	11.4	11.3	4.7	

SPECIFICATIONS CONTINUED ON NEXT PAGE

SHALLOW WELL JET PUMPS

AY McDonald

8500 Series Shallow Well Jet Pumps

SPECIFICATIONS CONTINUED

MODEL	HP	VOLTS	MAX. AMPS	SUCTION LIFT (ft)	CAPACITIES IN GPM AT DISCHARGE PRESSURE					MAX. SHUT OFF PRESSURE
					30 psi	40 psi	50 psi	60 psi	70 psi	
8500HP SERIES HIGH PRESSURE SHALLOW WELL JET PUMPS										
8530HP	1/3	115/230	10.6	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	1/2	115/230	12.0	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	3/4	230/115	7.6	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	1	230/115	9.2	5	13.4	13.4	12.7	9.2	3.0	80
				15	10.0	10.0	9.4	6.5		
				25	6.2	6.2	6.0	4.3		



CONVERTIBLE JET PUMPS

AY McDonald

8600 Series Convertible Jet Pumps

The 8600 Series Convertible Jet Pumps are for shallow or deep well applications. They have a square flange motor and range from 1/3 to 1 hp sizes.

- Easily adjustable pressure switch for higher or lower operating pressures
- Internal regulating valve
- Cast iron pump body
- Seal/condensation plate provides air gap between the motor and water chamber
- Multi-volute engineered thermoplastic diffuser for maximum capacity and pressure
- Zinc-plated plug with pressure gauge tap and 1/4" plug

SPECIFICATIONS CONTINUED ON NEXT PAGE

CONVERTIBLE JET PUMPS

AY McDonald

8600 Series Convertible Jet Pumps

SPECIFICATIONS CONTINUED

PERFORMANCE TABLE

MODEL	HP	JET EJECTOR*	SUCTION LIFT (ft)	CAPACITIES IN GPM AT DISCHARGE PRESSURE						MAX. SHUT OFF PRESSURE
				20 psi	30 psi	40 psi	50 psi	60 psi	70 psi	
WITH JET EJECTOR										
8630	1/3	650-JP Hi-Capacity	5	12.6	12.6	7.4	2.5	-	-	57
			15	10.0	10.0	6.0	1.3	-	-	
		654-JP Hi-Capacity	25	5.8	5.8	2.0	-	-	-	
8650	1/2	651-JP Hi-Capacity	5	15.6	15.6	8.6	2.3	-	-	58
			15	11.7	11.7	6.5	1.2	-	-	
		655-JP Hi-Pressure	25	6.6	6.6	4.7	-	-	-	
8670	3/4	652-JP Hi-Capacity	5	9.7	9.4	9.4	7.8	4.2	-	75
			15	7.1	7.0	7.0	5.9	2.9	-	
		656-JP Hi-Pressure	25	4.7	4.6	4.6	3.8	2.1	-	
8610	1	653-JP Hi-Capacity	5	13.3	13.3	13.3	12.7	9.2	3.0	80
			15	10.0	10.0	10.0	9.4	6.5	2.4	
		657-JP Hi-Pressure	25	6.2	6.2	6.2	6.0	4.3	1.8	

MODEL	HP	JET EJECTOR*	SUCTION LIFT (ft)	CAPACITIES IN GPM AT DISCHARGE PRESSURE						MAX. SHUT OFF PRESSURE
				10 psi	15 psi	20 psi	25 psi	30 psi	35 psi	
WITHOUT JET EJECTOR										
8630	1/3	Without Jet	10	45.0	41.5	30.0	15.0	-	-	26
			20	40.0	31.0	20.0	-	-	-	
8650	1/2	Without Jet	10	49.5	47.0	39.5	25.0	11.0	-	34
			20	45.0	40.5	28.0	11.5	-	-	
8670	3/4	Without Jet	10	60.0	58.0	56.0	51.5	10.0	-	38
			20	52.0	52.0	50.0	41.0	19.0	-	
8610	1	Without Jet	10	65.0	63.0	61.0	57.0	50.0	41.5	42
			20	54.0	53.5	52.0	48.0	41.0	26.0	

*JET EJECTORS MUST BE ORDERED SEPARATELY