







THE CUSTOMER IS THE BOSS

EST. 1856 McDonald

6", 7", 8", & 10" Motors & Controls

Pump Catalog - March 2022

MORE THAN A BRAND. **WE'RE A FAMILY.**

6”, 7”, 8”, & 10” A.Y. McDonald Submersible Motors

A.Y. McDonald offers a full line of 6”, 7”, 8”, & 10” submersible motors. Our 6” motors range from 5 HP to 60 HP. The 7” motors range from 30 HP to 75 HP. The 8” motors range from 40 HP to 150 HP and our 10” motors range from 125 HP to 250 HP. Cooling and lubrication of the thrust bearing assembly is provided by a mixture of water and glycol.

Features:

- AISI 304 stainless steel shell, thrust bearings, shaft ends
- Removable cable connector to allow fast and easy maintenance
- Temperature Rating 85ºF.

6”, 7”, 8”, & 10” A.Y. McDonald Submersible Motors

6" Water Well - Three Wire - Single Phase - 60 HZ
(Control Box Required)

A.Y. McDonald Part No.	A.Y. McDonald Model No.	HP	Voltage	kw	Service Factor	AMP (in)	Downward Thrust	Cable length (ft).
3132-549	SM0613 7.5HP230V	7.5	230	5.5	1.15	33.6	3600	13
3132-547	SM0613 10HP230V	10	230	7.5	1.15	43.2	3600	13
3132-548	SM0613 15HP230V	15	230	11	1.15	62.9	3600	13

These motors are built for dependable operation in 6” diameter or larger water wells.

6” Water Well - Three Wire - Three Phase - 60 Hz
(Starter Kit Required)

A.Y. McDonald Part No.	A.Y. McDonald Model No.	HP	Voltage	kw	Service Factor	AMP (in)	Downward Thrust	Cable length (ft).
3132-551	SM0633 5HP230V	5	230	4	1.15	18.5	3600	13
3132-552	SM0633 5HP460V		460	4	1.15	8.6	3600	13
3132-593	SM0633 5HP575V		575	4	1.15	6.9	3600	13
3132-553	SM0633 7.5HP230V	7.5	230	5.5	1.15	24.0	3600	13
3132-554	SM0633 7.5HP460V		460	5.5	1.15	12.0	3600	13
3132-594	SM0633 7.5HP575V		575	5.5	1.15	9.6	3600	13
3132-555	SM0633 10HP230V	10	230	7.5	1.15	34.0	3600	13
3132-556	SM0633 10HP460V		460	7.5	1.15	15.0	3600	13
3132-570	SM0633 10HP575V		575	7.5	1.15	12.0	3600	13
3132-557	SM0633 15HP230V	15	230	11	1.15	50.0	3600	13
3132-558	SM0633 15HP460V		460	11	1.15	21.0	3600	13
3132-572	SM0633 15HP575V		575	11	1.15	16.8	3600	13
3132-559	SM0633 20HP230V	20	230	15	1.15	63.0	3600	13
3132-560	SM0633 20HP460V		460	15	1.15	27.6	3600	13
3132-573	SM0633 20HP575V		575	15	1.15	22.1	3600	13
3132-561	SM0633 25HP230V	25	230	18.5	1.15	73.4	3600	13
3132-562	SM0633 25HP460V		460	18.5	1.15	36.7	3600	13
3132-591	SM0633 25HP575V		575	18.5	1.15	29.3	3600	13
3132-563	SM0633 30HP230V	30	230	22	1.15	95.0	3600	13
3132-564	SM0633 30HP460V		460	22	1.15	44.7	3600	13
3132-592	SM0633 30HP575V		575	22	1.15	35.7	3600	13
3132-565	SM0633 40HP460V	40	460	30	1.15	54.0	6000	13
3132-571	SM0633 40HP575V		575	30	1.15	43.2	6000	13
3132-566	SM0633 50HP460V	50	460	37	1.15	69.0	6000	13
3132-568	SM0633 50HP575V		575	37	1.15	55.0	6000	13
3132-567	SM0633 60HP460V	60	460	45	1.15	82.0	6000	13
3132-569	SM0633 60HP575V		575	45	1.15	65.6	6000	13

- Refer to pages 201-202 for control panels and contactors.

Do not use motors in swimming areas

6”, 7”, 8”, & 10” A.Y. McDonald Submersible Motors

These motors are built for dependable operation in 8” diameter or larger water wells.

7” Water Well - Three Wire - Three Phase - 60 Hz
(Starter Kit Required)

A.Y. McDonald Part No.	A.Y. McDonald Model No.	HP	Voltage	kw	Service Factor	AMP (in)	Downward Thrust	Cable length (ft).
3132-728	SM0733 30HP460V	30	460	22	1.15	38.2	10100	13
3132-729	SM0733 40HP460V	40	460	30	1.15	52.1	10100	13
3132-730	SM0733 50HP460V	50	460	37	1.15	61.4	10100	13
3132-731	SM0733 60HP460V	60	460	45	1.15	74.7	10100	13
3132-732	SM0733 75HP460V	75	460	55	1.15	92	10100	13

8” Water Well - Three Wire - Three Phase - 60 Hz
(Starter Kit Required)

A.Y. McDonald Part No.	A.Y. McDonald Model No.	HP	Voltage	kw	Service Factor	AMP (in)	Downward Thrust	Cable length (ft).
3132-716	SM0833 40HP460V	40	460	30	1.15	51	10100	13
3132-717	SM0833 50HP460V	50	460	37	1.15	61.4	10100	13
3132-718	SM0833 60HP460V	60	460	45	1.15	74.8	10100	13
3132-719	SM0833 75HP460V	75	460	55	1.15	90.2	10100	13
3132-720	SM0833 100HP460V	100	460	75	1.15	123.1	10100	13
3132-721	SM0833 125HP460V	125	460	92	1.15	152.8	10100	13
3132-722	SM0833 150HP460V	150	460	110	1.15	182.6	10100	13

These motors are built for dependable operation in 10” diameter or larger water wells.

10” Water Well - Three Wire - Three Phase - 60 Hz
(Starter Kit Required)

A.Y. McDonald Part No.	A.Y. McDonald Model No.	HP	Voltage	kw	Service Factor	AMP (in)	Downward Thrust	Cable length (ft).
3132-723	SM1033 125HP460V	125	460	92	1.15	149.4	16900	16
3132-724	SM1033 150HP460V	150	460	110	1.15	180.5	16900	16
3132-725	SM1033 175HP460V	175	460	129	1.15	207	16900	16
3132-725	SM1033 200HP460V	200	460	147	1.15	236	16900	16
3132-727	SM1033 250HP460V	250	460	185	1.15	297	16900	16

- Refer to pages 201-202 for control panels and contactors.

Do not use motors in swimming areas

6” A.Y. McDonald Submersible Motors

6” Asynchronous two-pole submersible motor, made in AISI 304 stainless steel and cast iron with paint coating for parts in contact with water. Cooling and lubrication of the thrust bearing assembly and carbon brushes is provided by a mixture of water and glycol. Squirrel-cage rotor mounted on self-centering thrust bearing. Stator housed in an airtight stainless steel casing (canned-type). Removable cable connector to allow fast and easy maintenance. Motor suitable for use with variable frequency drive (60 Hz). Overload protection must be provided by user.

Technical Specification

Flange	NEMA 6”
Insulation class	F
Degree of protection	IP68
Cooling flow	1.0 ft/sec @ 95 °F
Voltage tolerance	+ 6% / -10%
Max starts	25/h
Max operating depth	984 ft

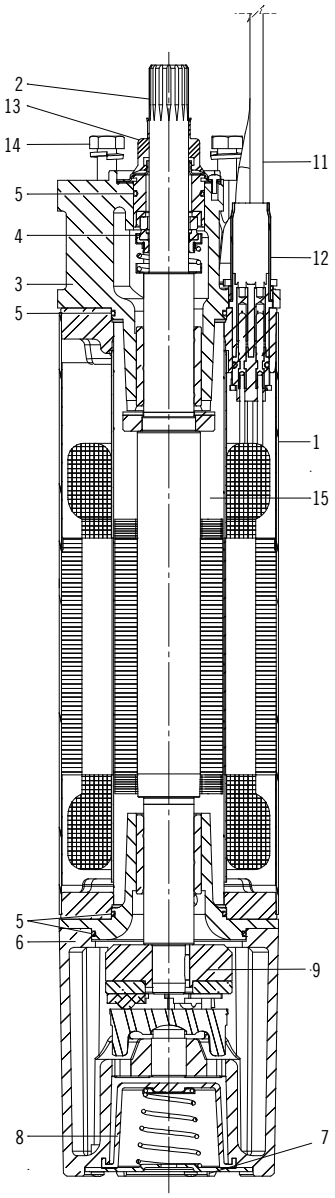
Components

Canned stator with external shell made in AISI 304L stainless steel and flanges with an anti-corrosion treatment. The stator has 24 slots for better elasticity and regularity of operation. Class F double insulated copper wire.

Kingsbury type thrust bearing unit consisting of tilting pads made of highly-resistant stainless steel and machined using the spherical lapping process.

Shafts with end part made of stainless steel “Duplex”. Squirrel-cage rotor made in copper for all motor powers.

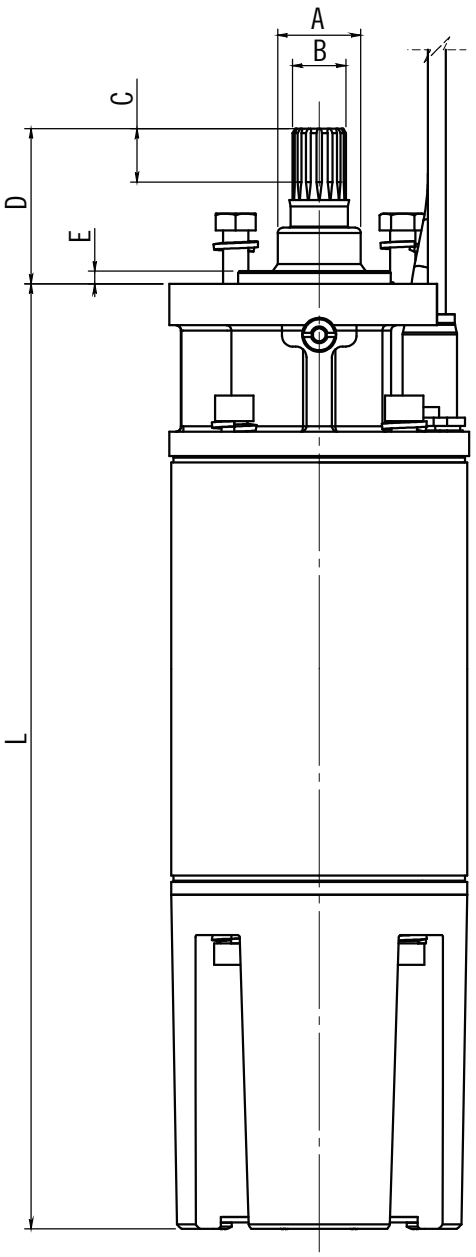
6” A.Y. McDonald Submersible Motors

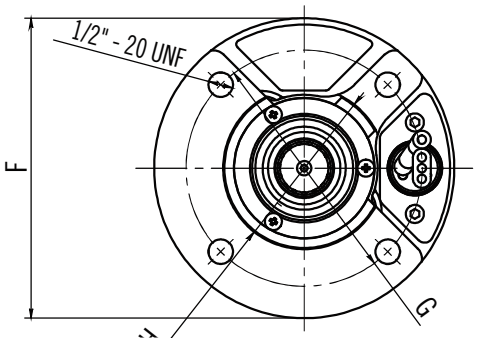


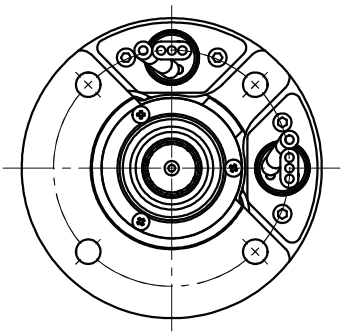
Materials

	COMPONENTS	
1	Int. and external sleeve	AISI 304L
2	Shaft end	AISI 316
3	Upper bracket	Painted cast iron
4	Mechanical seal	Ceramic - carbon
5	Gasket	NBR
6	Lower bracket	Painted cast iron
7	Lower cover	AISI 304
8	Diaphragm	EPDM
9	Thrust bearing	Stainless steel - graphite
10	Valve	Brass
11	Cable	EPDM
12	Connecting plug	AISI 316
13	Sand guard (fixed-removable)	NBR
14	Bolts & screws	AISI 304
15	Cooling liquid	Glycol + water

6” A.Y. McDonald Submersible Motors







60 Hz Dimensions
Single Phase Motors

Type			L	Wt.	Axial Thrust
	[HP]	[kW]	[inch]	[lbs]	[lbf]
60 Hz	7 1/2	5.5	28.7”	154.5	3600
	10	7.5	30.9”	168	3600
	15	11	33.9”	185.2	3600

60 Hz Dimensions
Three Phase Motor

Type			L	Wt.	Axial Thrust
	[HP]	[kW]	[inch]	[lbs]	[lbf]
60 Hz	5	4	23.7”	123.3	3600
	7 1/2	5.5	24.8”	130.7	3600
	10	7.5	26.0”	137.4	3600
	15	11	28.8”	162.1	3600
	20	15	30.9”	174.8	3600
	25	18.5	33.9”	192.1	3600
	30	22	36.3”	205.3	3600
	40	30	41.4”	236.6	6000
	50	37	46.5”	274.5	6000
	60	45	53.6”	311.5	6000

60 Hz Dimensions

Pos.	inch	Pos.	inch
A	1.535	E	0.236
B	0.984	F	5.551
C	0.984	G	4.370
D	2.867	H	3.000

6” A.Y. McDonald Submersible Motors

Electrical Data 60 Hz
Single Phase Motors

P2		V	SF	In	In (SF)	Is/In	P1	N	Cos φ	η	C [uF]		Ø	LC
[HP]	[kW]	[V]		[A]	[A]		[W]	[min^{-1}]		%	Start	Run	[AWG]	[ft]
7 1/2	5.5	230	1.15	33.6	37.0	5.0	7400	3480	0.72	74	324-389	138	4x11	13
10	7.5	230	1.15	43.2	48.8	4.8	9900	3465	0.76	77	324-389	138	4x11	13
15	11	230	1.15	62.9	72.3	4.4	13400	3495	0.77	76	324-389	160	4x9	13

Electrical Data 60 Hz
Three Phase Motors

P2		V	SF	In	In (SF)	Is/In	P1	N	Cos φ	η	Star*	Ø	LC
[HP]	[kW]	[V]		[A]	[A]		[W]	[min^{-1}]		%		[AWG]	[ft]
5	4	230	1.15	18.5	20.0	5.1	5700	3450	0.77	70	Δ	4x11	13
		460	1.15	8.6	9.5	5.5	5700	3470	0.83	70	Y	4x11	13
		575	1.15	6.9	7.6	5.5	5700	3470	0.83	70	Y	4x11	13
7 1/2	5.5	230	1.15	24.0	26.6	5.0	7400	3480	0.77	74	Δ	4x11	13
		460	1.15	12.0	13.3	5.0	7400	3480	0.77	74	Y	4x11	13
		575	1.15	9.6	10.6	5.0	7400	3470	0.77	74	Y	4x11	13
10	7.5	230	1.15	34.0	37.0	4.8	9900	3465	0.73	76	Δ	4x11	13
		460	1.15	15.0	16.5	5.5	9900	3465	0.83	76	Y	4x11	13
		575	1.15	12.0	13.2	5.5	9900	3465	0.83	76	Y	4x11	13
15	11	230	1.15	50.0	54.0	4.4	13400	3495	0.67	82	Δ	4x9	13
		460	1.15	21.0	23.3	5.2	13400	3495	0.80	82	Y	4x11	13
		575	1.15	16.8	18.6	5.2	13400	3480	0.80	82	Y	4x11	13
20	15	230	1.15	63.0	68.0	4.8	18200	3475	0.73	82	Δ	4x9	13
		460	1.15	27.6	30.8	5.4	18200	3475	0.83	82	Y	4x11	13
		575	1.15	22.1	24.6	5.4	18200	3475	0.83	82	Y	4x11	13
25	18.5	230	1.15	73.4	80.0	5.7	22200	3475	0.76	83	Δ	4x8	13
		460	1.15	36.7	40.0	5.7	22200	3475	0.76	83	Y	4x9	13
		575	1.15	29.3	32.0	5.7	22200	3475	0.76	83	Y	4x9	13
30	22	230	1.15	95.0	105.0	5.5	26500	3480	0.70	83	Δ	4x8	13
		460	1.15	44.7	49.8	5.8	26500	3480	0.74	83	Y	4x9	13
		575	1.15	35.7	39.8	5.8	26500	3480	0.75	83	Y	4x9	13
40	30	460	1.15	54.0	62.0	6.3	35700	3480	0.83	84	Y	4x8	13
		575	1.15	43.2	49.6	6.3	35700	3480	0.83	84	Y	4x8	13
50	37	460	1.15	69.0	77.0	6.1	44800	3480	0.82	83	Y	4x8	13
		575	1.15	55.0	62.0	6.2	44800	3480	0.82	83	Y	4x8	13
60	45	460	1.15	82.0	92.0	6.5	53500	3450	0.83	84	Y	4x8	13

*Star-Delta (Δ) version 230/380V available

P2: Rated output
In: Rated current
Cs/Cn: Locked rotor Torque/Rated Torque
Cos φ: Power factor
Ø: Cable section
V: Rated voltage
In (SF): Service factor currect
P1: Power consumption
η: Efficiency
LC: Cable length
SF: Service factor
Is/In: Locked rotor current/Rated current
N: R.P.M
C: Capacitor

7” A.Y. McDonald Submersible Motors

7” Asynchronous two-pole submersible motor, rewindable type, with external shell made in AISI 304 stainless steel and supports in cast iron with paint coating. Cooling and lubrication of the thrust bearing assembly and carbon brushes is provided by a mixture of water and glycol. Squirrel-cage rotor mounted on self-centering thrust bearing. Overload protection must be provided by user.

Technical Specification

Flange	NEMA 6”
Insulation Class	Y
Degree of protection	IP68
Cooling flow	0.66 ft/sec
Voltage tolerance	± 10%
Max starts	17/hr
Max operating depth	984 ft
Max operating pressure	425 PSI

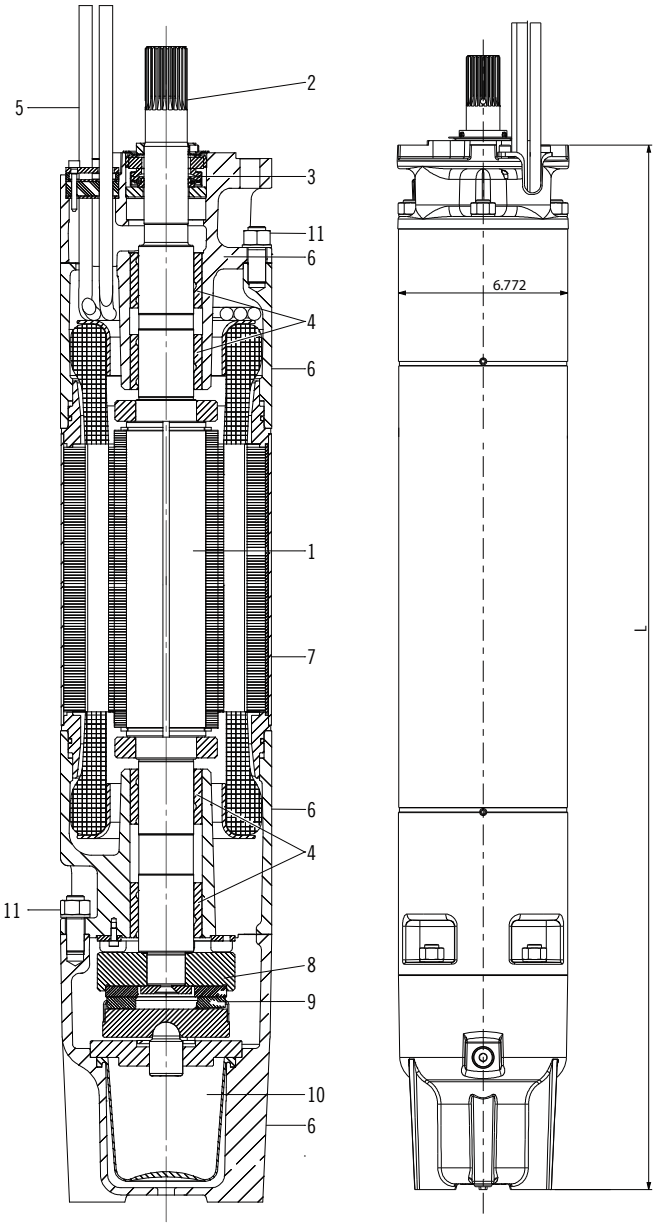
Components

The stator is rewindable type and it’s inserted in an AISI 304 stainless steel outer shell. The windings are made in copper insulated by PVC.

Kingsbury Type thrust bearing unit consisting of tilting pads in graphite and ceramic disc.

Shafts made of stainless steel with end part according to 6” NEMA norms. Squirrel-cage rotor made in copper. The motor is equipped with a ceramic/carbon mechanical seal.

7” A.Y. McDonald Submersible Motors



Materials

	COMPONENTS	
1	Shaft	Stainless Steel
2	Shaft End	Stainless Steel AISI 304
3	Mechanical Seal	Ceramic / Carbon
4	Bearing Ring	Carbon
5	Cable	NBR
6	Structural Parts	Cast Iron
7	External Sleeve	Stainless Steel AISI 304
8	Thrust Bearing Rotating	Carbon with Antimony
9	Thrust Bearing Stationary	AISI 420
10	Diaphragm	NBR-EPDM
11	Bolts & Screws	Stainless Steel AISI 304

60 Hz Dimensions

Three Phase Motors

Type			L	Wt.	Axial Thrust
	[HP]	[kW]	[inch]	[lbs]	[lbf]
60 Hz	30	22	35.0”	193	10100
	40	30	38.6”	216	10100
	50	37	41.7”	243	10100
	60	45	44.8”	264	10100
	75	55	49.2”	319	10100

Electrical Data 60 Hz

Three Phase Motors / 2 Pole

P2		V*	SF	In	In (SF)	Is/In	N	Cos φ	η	Ø	LC
[HP]	[kW]	[V]		[A]	[A]		[min^{-1}]		%	{MM}	[ft]
30	22	460	1.15	38.2	43.9	4.6	3480	0.83	83	3x16+1x6	13
40	30	460	1.15	52.1	59.9	4.6	3480	0.83	84	3x16+1x6	13
50	37	460	1.15	61.4	70.6	4.6	3480	0.86	85	3x16+1x6	13
60	45	460	1.15	74.7	85.9	4.4	3470	0.85	85	3x16+1x6	13
75	55	460	1.15	92	105.8	4.7	3460	0.84	85	3x16+1x6	13

P2: Rated output
In: Rated current
Cs/Cn: Locked rotor Torque/Rated Torque
Cos φ: Power factor
Ø: Cable section
V: Rated voltage
In (SF): Service factor currect
P1: Power consumption
η: Efficiency
LC: Cable length
SF: Service factor
Is/In: Locked rotor current/Rated current
N: R.P.M
C: Capacitor

8” A.Y. McDonald Submersible Motors

8” Asynchronous two-pole submersible motor, rewindable type, with external shell made in AISI 304 stainless steel and supports in cast iron with paint coating. Cooling and lubrication of the thrust bearing assembly and carbon brushes is provided by a mixture of water and glycol. Squirrel-cage rotor mounted on self-centering thrust bearing. Overload protection must be provided by user.

Technical Specification

Flange	NEMA 8”
Insulation Class	Y
Degree of protection	IP68
Cooling flow	40-75 HP = 0.66 ft/sec 100-150 HP = 1.64 ft/sec
Voltage tolerance	±10%
Max starts	40-100 HP = 15/hr 125-150 HP = 10/hr
Max operating depth	984 ft
Max operating pressure	425 PSI

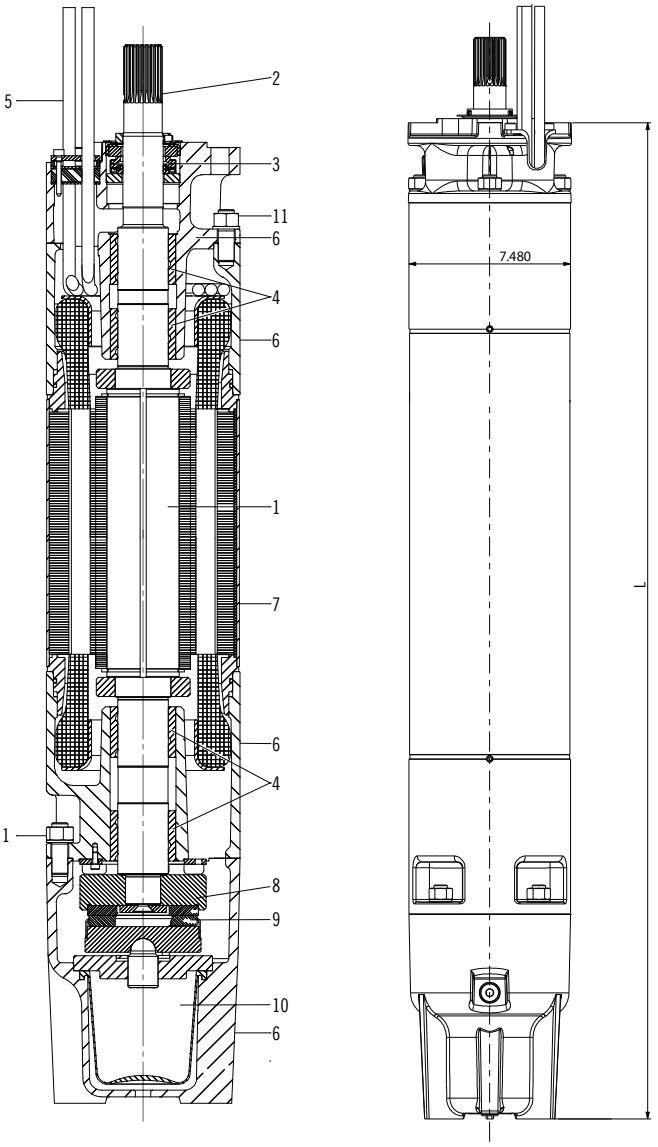
Components

The stator is rewindable type and it’s inserted in an AISI 304 stainless steel outer shell. The windings are made in copper insulated by PVC.

Kingsbury Type thrust bearing unit consisting of tilting pads in graphite and ceramic disc.

Shafts made of stainless steel with end part according to 8” NEMA norms. Squirrel-cage rotor made in copper. The motor is equipped with a ceramic/carbon mechanical seal.

8” A.Y. McDonald Submersible Motors



Materials

	COMPONENTS	
1	Shaft	Stainless Steel
2	Shaft End	Stainless Steel AISI 304
3	Mechanical Seal	Ceramic / Carbon
4	Bearing Ring	Carbon
5	Cable	NBR
6	Structural Parts	Cast Iron
7	External Sleeve	Stainless Steel AISI 304
8	Thrust Bearing Rotating	Carbon with Antimony
9	Thrust Bearing Stationary	AISI 420
10	Diaphragm	NBR-EPDM
11	Bolts & Screws	Stainless Steel AISI 304

60 Hz Dimensions

Three Phase Motors

Type			L	Wt.	Axial Thrust
	[HP]	[kW]	[inch]	[lbs]	[lbf]
60 Hz	40	30	41.6”	284	10100
	50	37	43.9”	305	10100
	60	45	47.3”	326	10100
	75	55	50.6”	396	10100
	100	75	54.7”	431	10100
	125	92	60.5”	483	12300
	150	110	63.0”	538	12300

Electrical Data 60 Hz

Three Phase Motors / 2 Pole

P2		V*	SF	In	In (SF)	Is/In	N	Cos φ	η	Ø	LC
[HP]	[kW]	[V]		[A]	[A]		[min^{-1}]		%	{AWG}	[ft]
40	30	460	1.15	51	58.7	4.7	3450	0.86	82	3x16+1x6	13
50	37	460	1.15	61.4	70.6	4.7	3460	0.86	84	3x16+1x6	13
60	45	460	1.15	74.8	86.0	4.7	3460	0.86	84	3x16+1x6	13
75	55	460	1.15	90.2	103.7	4.7	3450	0.87	84	3x16+1x6	13
100	75	460	1.15	123.1	141.6	4.7	3450	0.86	84	3x25+1x25	13
125	92	460	1.15	152.8	175.7	4.4	3430	0.86	84	3x25+1x25	13
150	110	460	1.15	182.6	210.0	4.4	3430	0.86	84	3x25+1x25	13

P2: Rated output
In: Rated current
Cs/Cn: Locked rotor Torque/Rated Torque
Cos φ: Power factor
Ø: Cable section
V: Rated voltage
In (SF): Service factor currect
P1: Power consumption
η: Efficiency
LC: Cable length
SF: Service factor
Is/In: Locked rotor current/Rated current
N: R.P.M
C: Capacitor

10” A.Y. McDonald Submersible Motors

10” Asynchronous two-pole submersible motor, rewindable type, with external shell made in AISI 304 stainless steel and supports in cast iron with paint coating (standard version). Cooling and lubrication of the thrust bearing assembly and carbon brushes is provided by a mixture of water and glycol. Squirrel-cage rotor mounted on self-centering thrust bearing. Overload protection must be provided by user.

Four-pole submersible motors can be made available, contact factory for more information.

Technical Specification

Flange	10”
Insulation Class	Y
Degree of protection	IP68
Cooling flow	1.64 ft/sec
Voltage tolerance	±10%
Max starts	10/hr
Max operating depth	984 ft
Max operating pressure	425 PSI

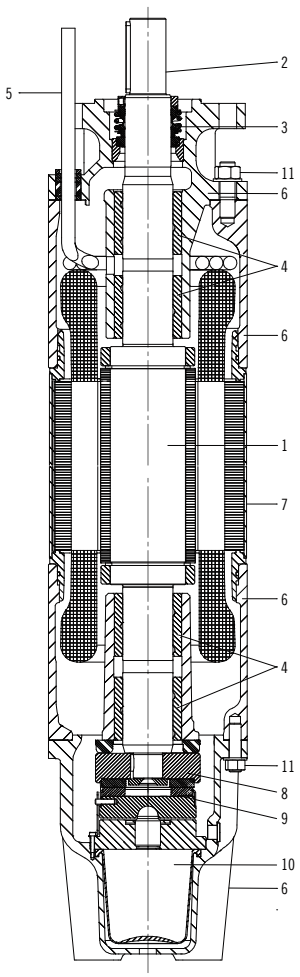
Components

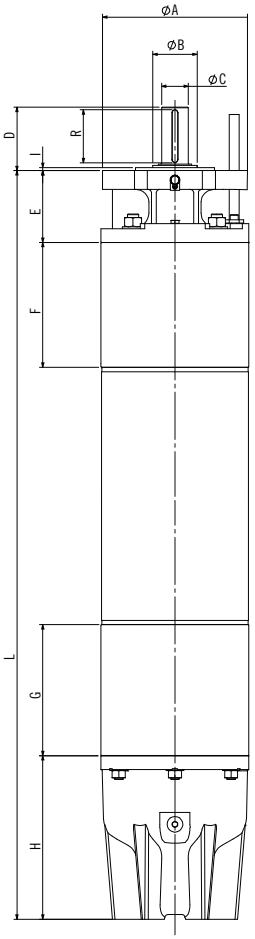
The stator is rewindable type and it’s inserted in an AISI 304 stainless steel outer shell. The windings are made in copper insulated by PVC

Kingsbury Type thrust bearing unit consisting of tilting pads in graphite and ceramic disc.

Shafts made of stainless steel with end part with key coupling. Squirrel-cage rotor made in copper. The motor is equipped with a ceramic/carbon mechanical seal.

10” A.Y. McDonald Submersible Motors





Materials

	COMPONENTS	
1	Shaft	Stainless Steel
2	Shaft End	Stainless Steel AISI 304
3	Mechanical Seal	Ceramic / Carbon
4	Bearing Ring	Carbon
5	Cable	NBR
6	Structural Parts	Cast Iron
7	External Sleeve	Stainless Steel AISI 304
8	Thrust Bearing Rotating	Carbon with Antimony
9	Thrust Bearing Stationary	AISI 420
10	Diaphragm	NBR-EPDM
11	Bolts & Screws	Stainless Steel AISI 304

60 Hz Dimensions

Three Phase Motors

Type			L	Wt.	Axial Thrust
	[HP]	[kW]	[inch]	[lbs]	[lbf]
60 Hz	125	92	56.3”	596	16900
	150	110	59.5”	656	16900
	175	129	63.4”	715	16900
	200	147	68.5”	776	16900
	250	185	71.7”	911	16900

Electrical Data 60 Hz

Three Phase Motors / 2 Pole

P2		V*	SF	In	In (SF)	Is/In	N	Cos φ	η	Ø	LC
[HP]	[kW]	[V]		[A]	[A]		[min^{-1}]		%	{AWG}	[ft]
125	92	460	1.15	149.4	171.8	6.0	3500	0.90	84	3x35+1x35	16
150	110	460	1.15	180.5	207.6	5.7	3500	0.84	84	3x35+1x35	16
175	129	460	1.15	207	238.1	6.3	3510	0.85	85	3x35+2x35	16
200	147	460	1.15	236	271.4	6.1	3500	0.85	85	3x35+2x35	16
250	190	460	1.15	297	341.6	5.6	3490	0.85	85	3x35+2x35	16

P2: Rated output
In: Rated current
Cs/Cn: Locked rotor Torque/Rated Torque
Cos φ: Power factor
Ø: Cable section

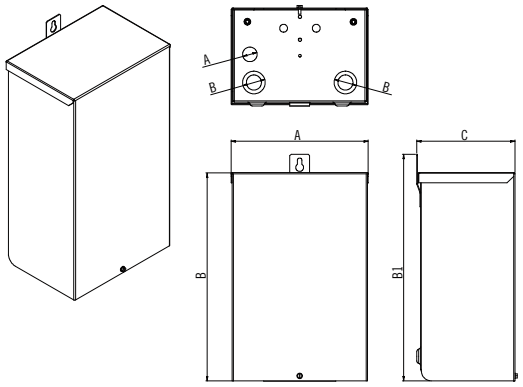
V: Rated voltage
In (SF): Service factor currect
P1: Power consumption
η: Efficiency
LC: Cable length

SF: Service factor
Is/In: Locked rotor current/Rated current
N: R.P.M
C: Capacitor

Deluxe Single Phase Control Boxes

- For use with 3-wire, single phase submersible motors 5 hp - 15 hp.
- Includes Magnetic Line Contactor, Capacitor Start and Capacitor Run.

6” CONTROL BOX DIMENSIONS TYPE CSCR



Control Box Dimension

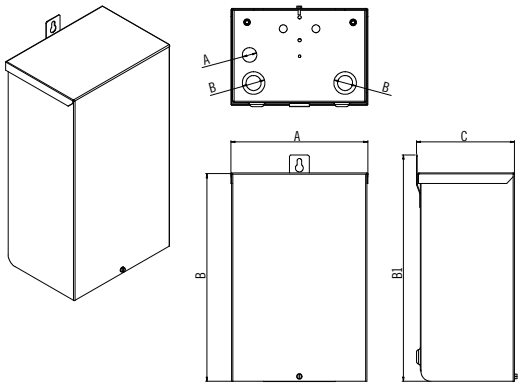
Pos.	inch
A	8.3”
B	15.4”
B1	16.5”
C	6.3”
D	1” conduit
E	1/2” conduit

Deluxe Single Phase Control Boxes

- For use with 3-wire, single phase submersible motors 5 hp - 15 hp. Includes Magnetic Line Contactor, Capacitor Start and Capacitor Run.

A.Y. McDonald Part No.	A.Y. McDonald Model No.	HP	Voltage	HZ	KW	Run Cap. Part No.	Run Cap. [µF]	Run Cap. Volts	Start Cap. Part No.	Start Cap. [µF]	Start Cap. Volts	Start Overload Part No.	Main Overload Part No.	Relay Part No.	Contactor Part No.
6619-016	SC0413 5HP230VD	5	230	60	3	3132-679	80	370	3132-671	270-324	250	3132-687	3132-695	3132-703	3132-711
6619-001	SC0613 7.5HP230VD	7 1/2	230	60	5.0	3132-633	45	370	3132-630	270-324	330	3132-636	3132-639	3132-642	3132-645
										216-260	330				
6619-002	SC0613 10HP230VD	10	230	60	7.5	3132-634	35	370	3132-631	270-324	330	3132-637	3132-640	3132-643	3132-646
							35	370		216-260	330				
										130-156	330				
6619-003	SC0613 15HP230VD	15	230	60	11	3132-635	45	370	3132-632	270-324	330	3132-638	3132-641	3132-644	3132-647
							45	370		270-324	330				
							45	370		161-193	330				

4” & 6” CONTROL BOX DIMENSIONS TYPE CSCR



Control Box Dimension

Pos.	inch
A	8.3”
B	15.4”
B1	16.5”
C	6.3”
D	1” conduit
E	1/2” conduit

Deluxe Single Phase Control Boxes

- For use with 3-wire, single phase submersible motors 5 hp - 15 hp. Includes Magnetic Line Contactor, Capacitor Start and Capacitor Run.

A.Y. McDonald Part No.	A.Y. McDonald Model No.	HP	Voltage	HZ	KW	Run Cap. Part No.	[µF]	Volts	Start Cap. Part No.	[µF]	Volts	Start Overload Part No.	Main Overload Part No.	Relay Part No.	Contactor Part No.
6619-016	SC0413 5HP230VD	5	230	6		3132-679	80	370	3132-671	270-324	250	3132-687	3132-695	3132-703	3132-711
6619-001	SC0613 7.5HP230VD	7 1/2	230	60	5.0	3132-633	45	370	3132-630	270-324	330	3132-636	3132-639	3132-642	3132-645
										216-260	330				
6619-002	SC0613 10HP230VD	10	230	60	7.5	3132-634	35	370	3132-631	270-324	330	3132-637	3132-640	3132-643	3132-646
							35	370		216-260	330				
										130-156	330				
6619-003	SC0613 15HP230VD	15	230	60	11	3132-635	45	370	3132-632	270-324	330	3132-638	3132-641	3132-644	3132-647
							45	370		270-324	330				
							45	370		161-193	330				

Starter Kits

IEC Starter Kits for three phase motors

Each kit includes Nema 1 enclosure, contactor, and overload assembled with the correct voltage coil needed.

STARTER KITS WITH 230V COIL

A.Y. McDonald Part No.	HP	Volts	Wt.
3131-309	5	230	6
3131-310	7 1/2	230	6
3131-311	10	230	9
3131-312	15	230	9
3131-313	20	230	20
3131-314	25	230	20
3131-315	30	230	20

STARTER KITS WITH 460V COIL

A.Y. McDonald Part No.	HP	Volts	Wt.
3131-322	5	460	6
3131-323	7 1/2	460	6
3131-324	10	460	6
3131-325	15	460	6
3131-326	20	460	9
3131-327	25	460	9
3131-328	30	460	9
3131-329	40	460	9
3131-330	50	460	20
3131-331	60	460	20
3131-332	75	460	20

STARTER KITS WITH 575V COIL

A.Y. McDonald Part No.	HP	Volts	Wt.
3131-333	1 1/2	575	10
3131-334	2 & 3	575	10
3131-335	5	575	10
3131-336	7 1/2	575	10
3131-337	10	575	10
3131-338	15	575	10
3131-339	20	575	10
3131-340	25 & 30	575	10
3131-341	40	575	10
3131-342	50	575	10