



## Square Flange

Standard Efficient, Full Service Factor, Full Rated

HP	SF	THP	RPM	Voltage	Freq	SF Amps	Catalog Number	Motor Frame	Length Less Shaft	Wgt.
1/2	1.95	0.98	3450	230/115	60	5.4/10.8	ASB846	56Y	11.99	22
3/4	1.65	1.25	3450	230/115	60	7.0/14.0	ASB847	56Y	12.49	25
1.0	1.65	1.65	3450	230/115	60	7.7/15.4	ASB848	56Y	12.74	26
1.5	1.50	2.25	3450	230/115	60	10.8/21.6	ASB858	56Y	13.74	33
2.0	1.30	2.60	3450	230	60	11.5	ASB748	56Y	13.74	33

Premium Energy Efficient, Full Service Factor, Full Rated (Suitable for 50Hz, 1.0 Service Factor)



HP	SF	THP	RPM	Voltage	Freq	SF Amps	Catalog Number	Motor Frame	Length Less Shaft	Wgt.
1/2	1.90	0.98	3450	208-230/115	60	4.4-4.2/8.4	ASB845	56Y	12.24	25
3/4	1.67	1.25	3450	208-230/115	60	5.9-5.5/11.0	ASB661	56Y	12.74	28
1.0	1.65	1.65	3450	208-230/115	60	7.6-7.2/14.4	ASB841	56Y	12.99	30
1.5	1.47	2.25	3450	208-230/115	60	9.7-9.0/18.0	ASB842	56Y	13.74	35
2.0	1.30	2.60	3450	208-230	60	10.6-10.0	ASB843	56Y	13.74	35



## C-Flange

Standard Energy Efficient, Full Service Factor, Full Rated with Threaded Shaft

HP	NEMA <sup>®</sup> SF	THP	RPM	Voltage	Freq	NEMA <sup>®</sup> SF Amps	Catalog Number	Motor Frame	Length Less Shaft	Wgt.
1/2	1.60	0.98	3450	230/115	60	4.4/8.8	ASB126	56J	10.26	21
3/4	1.50	1.25	3450	230/115	60	6.0/12.0	ASB127	56J	10.76	24
1.0	1.40	1.65	3450	230/115	60	7.0/14.0	ASB128	56J	11.01	25
1.5	1.30	2.25	3450	230/115	60	9.0/18.0	ASB129	56J	12.01	31
2.0	1.20	2.60	3450	230	60	10.5	ASB130	56J	11.76	33

Premium Energy Efficient, Full Service Factor, Full Rated with Threaded Shaft



HP	NEMA <sup>®</sup> SF	THP	RPM	Voltage	Freq	NEMA <sup>®</sup> SF Amps	Catalog Number	Motor Frame	Length Less Shaft	Wgt.
1/2	1.60	0.98	3450	208-230/115	60	4.0-3.8/7.6	ASB657	56J	10.51	24
3/4	1.50	1.25	3450	208-230/115	60	5.4-5.0/10.0	ASB638	56J	11.01	27
1.0	1.40	1.65	3450	208-230/115	60	6.2-5.8/11.6	ASB645	56J	11.26	29
1.5	1.30	2.25	3450	208-230/115	60	8.7-7.8/15.6	ASB796	56J	12.01	35
2.0	1.20	2.60	3450	208-230	60	10.3-9.5	ASB809	56J	12.01	34

To see a full listing of all ratings and details please refer to our catalog.

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PDS 56Frame Rev 16-8504-01

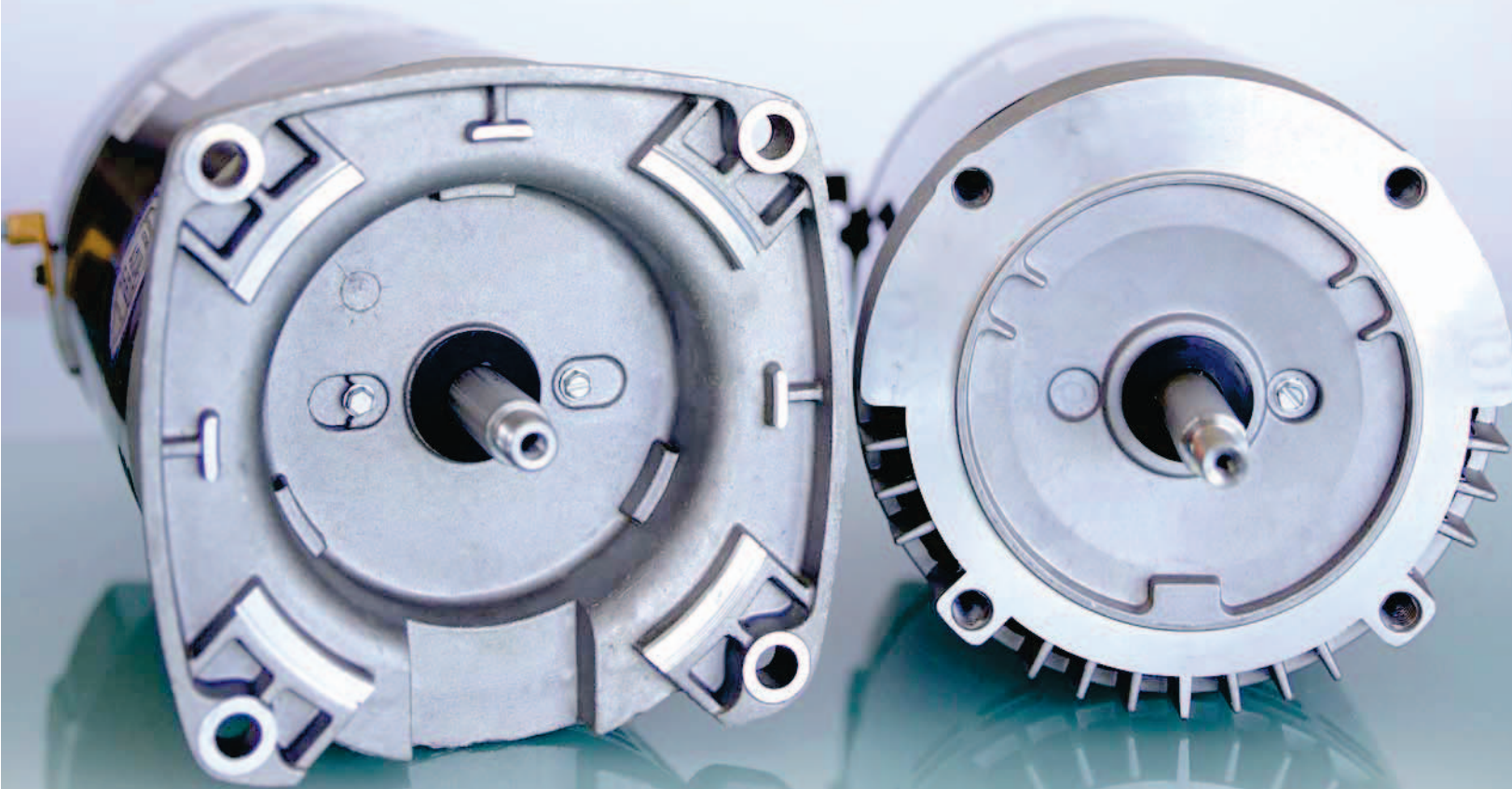
**Nidec**

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# Aqua-Shield<sup>™</sup> 56

For the next generation in pool motors, **Rely on US<sup>™</sup>**



A **Nidec** brand



# Aqua-Shield™ 56

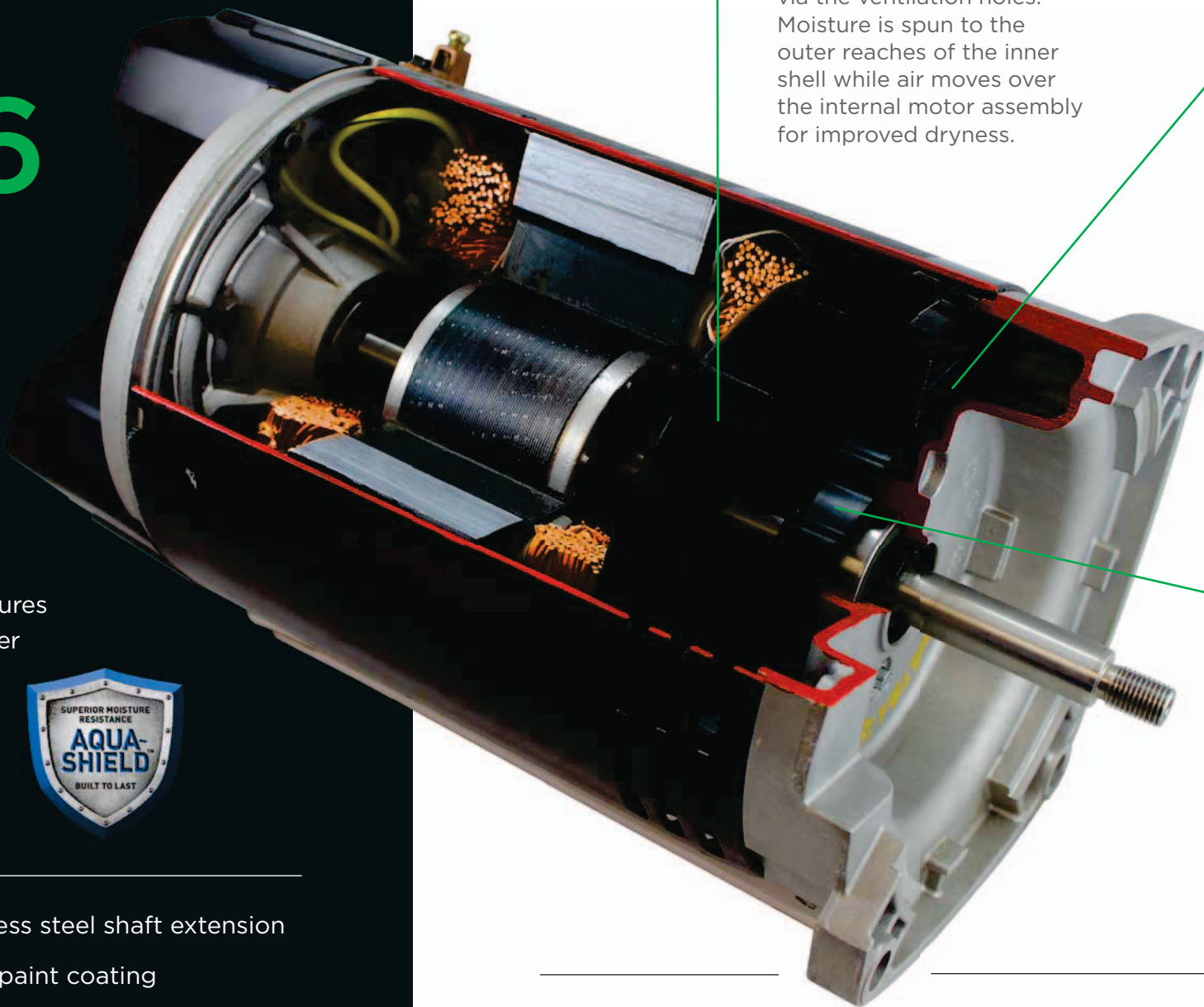
## WHY CHOOSE Aqua-Shield™ 56?

Aqua-Shield™ 56, which joins the U.S. MOTORS® brand family of pool motors manufactured by Nidec, is designed to provide superior moisture resistance inside the motor where water and debris can damage windings and cause premature motor failure. Aqua-Shield features additional bearing protection as well. Aqua-Shield motors will continue to deliver the three layers of bearing protection provided on our motors today (double-sealed ball bearings, lip seal and water slinger). In addition, Aqua-Shield features additional bearing protection by including a new internal bearing cover which protects the drive end bearings from the natural internal heat of the motor. Optimized internal air flow minimizes moisture buildup inside the motor.



## PERFORMANCE FEATURES

- Moisture resistant
- Optimized internal airflow
  - Improved Dry zone in winding area
  - Enhanced protection from debris
- Four layer bearing protection
  - Internal bearing cover
  - Double-sealed ball bearing
  - Lip seal
  - Water slinger
- 300 series stainless steel shaft extension
- Durable powder paint coating
- Rated in total horsepower (THP) for clarity in motor selection



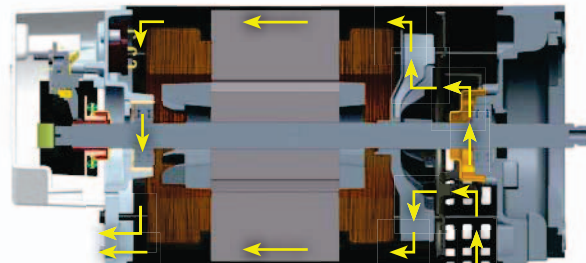
**1 FAN**  
Efficiently draws in air via the ventilation holes. Moisture is spun to the outer reaches of the inner shell while air moves over the internal motor assembly for improved dryness.

**2 BAFFLE**  
Focuses the air pulled in by the fan to move over the internal parts of the motor.

**3 INTERNAL BEARING COVER**  
Works to keep moisture away from the internal bearing to increase life.

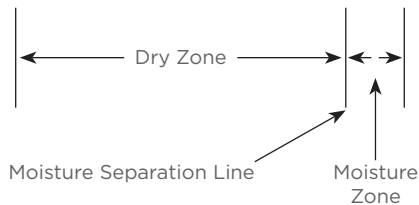
**4 TOTAL HORSEPOWER**  
Rating information includes THP to help reduce the number of SKUs that you need to stock.

**3X  
LIFE  
EXPECTANCY\***



## IMPROVED AIR FLOW

Using the Aqua-Shield™ features, the redesigned fan, baffle and bearing cover work to improve the air flow over the internal assembly of the motor. This creates a “Dry zone” that improves life expectancy by three times based on lab tests.



\*Based on average performance in accelerated life test.

