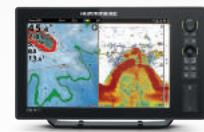
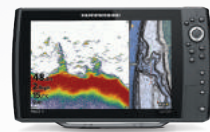


## HUMMINBIRD & AIRMAR: TRANSDUCER SELECTION GUIDE



### HELIX SERIES

### SOLIX SERIES

#### THRU-HULL

	Name	Material	Power	L,M,H,HW	Frequency	Tilt	Part #, Bronze	Part #, Stainless	Part #, Bronze	Part #, Stainless
	CHIRP	*B150	Bronze	300 W	Medium	95-155kHz	0 12 20	B150C-0-M-HB B150C-12-M-HB B150C-20-M-HB		B150C-0-M-HB Plus AD-1429 B150C-12-M-HB Plus AD-1429 B150C-20-M-HB Plus AD-1429
B75/ SS75		Bronze or Stainless	300W	Low	40-75kHz	0 12	B75C-0-L-HB B75C-12-L-HB	SS75C-0-L-HB SS75C-12-L-HB	B75C-0-L-14HB B75C-12-L-14HB	SS75C-0-L-14HB SS75C-12-L-14HB
			600W	Med.	80-130kHz	0 12 20	B75C-0-M-HB B75C-12-M-HB B75C-20-M-HB	SS75C-0-M-HB SS75C-12-M-HB SS75C-20-M-HB	B75C-0-M-14HB B75C-12-M-14HB B75C-20-M-14HB	SS75C-0-M-14HB SS75C-12-M-14HB SS75C-20-M-14HB
B175/ SS175		Bronze or Stainless		1kW	High	130-210kHz	0 12 20	B75C-0-H-HB B75C-12-H-HB B75C-20-H-HB	SS75C-0-H-HB SS75C-12-H-HB SS75C-20-H-HB	B75C-0-H-14HB B75C-12-H-14HB B75C-20-H-14HB
			Low		40-60kHz	0 12 20	B175C-0-L-HB B175C-12-L-HB B175C-20-L-HB	SS175C-0-L-HB SS175C-12-L-HB SS175C-20-L-HB	B175C-0-L-14HB B175C-12-L-14HB B175C-20-L-14HB	SS175C-0-L-14HB SS175C-12-L-14HB SS175C-20-L-14HB
B175/ SS175		Bronze or Stainless	1kW	Medium	85-135kHz	0 12 20	B175C-0-M-HB B175C-12-M-HB B175C-20-M-HB	SS175C-0-M-HB SS175C-12-M-HB SS175C-20-M-HB	B175C-0-M-14HB B175C-12-M-14HB B175C-20-M-14HB	SS175C-0-M-14HB SS175C-12-M-14HB SS175C-20-M-14HB
				High	130-210kHz	0 12 20	B175C-0-H-HB B175C-12-H-HB B175C-20-H-HB	SS175C-0-H-HB SS175C-12-H-HB SS175C-20-H-HB	B175C-0-H-14HB B175C-12-H-14HB B175C-20-H-14HB	SS175C-0-H-14HB SS175C-12-H-14HB SS175C-20-H-14HB
				High Wide	150-250kHz	0 12 20	B175C-0-HW-HB B175C-12-HW-HB B175C-20-HW-HB	SS175C-0-HW-HB SS175C-12-HW-HB SS175C-20-HW-HB	B175C-0-HW-14HB B175C-12-HW-14HB B175C-20-HW-14HB	SS175C-0-HW-14HB SS175C-12-HW-14HB SS175C-20-HW-14HB
B285		Bronze	1kW	Medium	85-135kHz	Adj.	B285C-M-HB		B285C-M-14HB	
				High Wide	150-250kHz	Adj.	B285C-HW-HB		B285C-HW-14HB	
B785	Bronze	600W	Medium	80-130kHz	Adj.	B785C-M-HB		B785C-M-14HB		
Traditional	B117	Bronze	600W		50/200kHz	0	B117-DT-HB		B117-DT-14HB	
	B60/ SS60	Bronze or Stainless	600W		50/200kHz	0 12 20	B60-0-HB B60-12-HB B60-20-HB	SS60-0-HB SS60-12-HB SS60-20-HB	B60-0-14HB B60-12-14HB B60-20-14HB	SS60-0-14HB SS60-12-14HB SS60-20-14HB
	B164/ SS164	Bronze or Stainless	1kW		50/200kHz	0 12 20	B164-0-HB B164-12-HB B164-20-HB	SS164-0-HB SS164-12-HB SS164-20-HB	B164-0-14HB B164-12-14HB B164-20-14HB	SS164-0-14HB SS164-12-14HB SS164-20-14HB
	B258	Bronze	1kW		50/200kHz	Fairing Block	B258-HB		B258-14HB	
	B260/ SS260	Bronze or Stainless	1kW		50/200kHz	Fairing Block	B260-HB	SS260-HB	B260-14HB	SS260-14HB
	B45	Bronze	600W		50/200kHz	Fairing Block	B45-DT-HB		B45-DT-14HB	

#### TRANSOM MOUNT: Plastic Housings with Adjustable Brackets

	Name	Material	Power	L,M,H,HW	Frequency	Tilt	Part #	Part #
	CHIRP	*TM150	Plastic	300 W	Medium	95-155kHz	Adj. Bracket	TM150C-M2-HB
<b>NEW!</b> TM165		Plastic	600 W	High Wide	150-250kHz	Adj. Bracket	TM165C-HW-HB	TM165C-HW-14HB
TM185		Plastic	1kW	Medium	85-135kHz	Adj. Bracket	TM185C-M-HB	TM185C-M-14HB
	High Wide			150-250kHz	Adj. Bracket	TM185C-HW-HB	TM185C-HW-14HB	
Traditional	TM258	Plastic	1kW		50/200kHz	Adj. Bracket	TM258-HB	TM258-14HB
	TM260	Plastic	1kW		50/200kHz	Adj. Bracket	TM260-HB	TM260-14HB

#### IN-HULL: Adjustable Plastic Housings

	Name	Material	Power	L,M,H,HW	Frequency	Tilt	Part #	Part #
	CHIRP	P95	Plastic	300W	Medium	95-155kHz	Adj. to 22°	P95C-HB
P75		Plastic	600W	Medium	80-130kHz	Adj. to 22°	P75C-M-HB	P75C-M-14HB
M135		Plastic	1kW	Medium	85-135kHz	Adj. to 22°	M135C-M-HB	M135C-M-14HB
M285		Plastic	1kW	High Wide	150-250kHz	Adj. to 22°	M285C-HW-HB	M285C-HW-14HB
Traditional	P79	Plastic	600W		50/200kHz	Adj. to 22°	P79C-HB	P79C-14HB
	M260	Plastic	1kW		50/200kHz	Adj. to 30°	M260C-HB	M260C-14HB



### SM3000

#### THRU-HULL

	Name	Material	Power	L,M,H	Frequency	Tilt	Part #
	CHIRP	B265	Bronze	1kW	Low, Medium	42-65kHz 85-135kHz	Adjustable
Low, High					42-65kHz 130-210kHz	Adjustable	B265C-LH-21HB
B275		Bronze	1kW	Low, High Wide	42-65kHz 150-250kHz	Adjustable	B275C-LHW-21HB
B765		Bronze	L-300W M-600W	Low, Medium	40-75kHz 80-130kHz	Adjustable	B765C-LM-21HB
	Low, High			40-75kHz 130-210kHz	Adjustable	B765C-LH-21HB	

#### TRANSOM MOUNT: Plastic Housings with Adjustable Brackets

	Name	Material	Power	L,M,H	Frequency	Tilt	Part #
	CHIRP	TM265	Plastic	1kW	Low, Medium	42-65kHz 85-135kHz	Adj. Bracket
Low, High					42-65kHz 130-210kHz	Adj. Bracket	TM265C-LH-21HB
TM275		Plastic	1kW	Low, High Wide	42-65kHz 150-250kHz	Adj. Bracket	TM275C-LHW-21HB

#### IN-HULL: Adjustable Plastic Housings

	Name	Material	Power	L,M,H	Frequency	Tilt	Part #
	CHIRP	M265	Plastic	1kW	Low, High	42-65kHz 130-210kHz	Adj. to 30°
Low, Medium					38-75kHz 80-130kHz	Adj. to 22°	R111C-LM-21HB
R111		Plastic	2kW	Low, High	38-75kHz 130-210kHz	Adj. to 22°	R111C-LH-21HB
				Low, Medium	28-60kHz 80-130kHz	Adj. to 22°	R599C-LM-21HB
R599		Plastic	2-3kW	Low, High	28-60kHz 130-210kHz	Adj. to 22°	R599C-LH-21HB

\*B150/TM150 have a dedicated Helix plug. Adapter cable AD-1429 is needed for use with Solix. All other transducers feature AIRMAR's Mix & Match 9-pin plug plus the appropriate adapter cable for Helix or Solix.

## CHOOSING THE RIGHT TRANSDUCER

**Power:** The first question you should answer is, "How deep will I be doing most of my fishing?" For inshore angling out to 500 feet, a 600W model will do the job. Anything over that depth will be best handled by a 1kW or higher. Keep in mind the objective is to get the most amount of energy on the targets you are after, not necessarily just the bottom.

#### Beamwidth/Frequency:

	Fishing depth*	Advantage	Disadvantage
High-Wide	Up to 500'	Wide beam with 25 degrees of coverage. Excellent target separation and bait fish locator.	Limited to shallower depths.
High	Up to 1000'	Narrow beam focuses maximum energy on targets. Excellent target separation from structure.	Narrow beam doesn't provide much coverage under the boat.
Medium	Up to 2000'	Good balance of coverage and target separation.	Less target separation than high and high-wide.
Low	Up to 2500'	Wide coverage under the boat and greater depth performance.	Less resolution at depths. Structure may get smoothed versus detailed due to wide beam.

\*Fishing with 1kW. Actual performance depths will be deeper, these depths are practical fishing depths.

		TRANSOM MOUNT	TILTED ELEMENT	IN-HULL	THRU-HULL WITH FAIRING	POCKET MOUNT
	Flats boat to 20 feet	●		●		
	Bay Boat Single or Dual Outboard	●		●		
	Center Console boat to 30 feet Outboard * Stepped hulls use Tilted Element or In-Hull transducers only	●	●	●		
	Sport Fishing boat 30-45 feet Inboard Power		●	●	●	●
	Sport Fishing boat 45 feet+ Inboard Power			●	●	●

## HELPFUL TIPS FOR TRANSDUCER PERFORMANCE

- Transducers need non-aerated water with the least turbulence to work best. Before install, make sure there are no strakes, water intakes or bow thrusters in front of the transducer location.
- In-hull models cannot be used on cored fiberglass or wood-hulled boats – hulls must be solid fiberglass.
- Stepped hull boats must have the transducer installed in front of the first step.
- Hulls over 35' will need a thru-hull transducer with a fairing block to get the face of the transducer past the boundary layer (aerated water) produced by the hull.
- Transom mount transducers can be adjusted up and down to find the best performance level.

For the best installation, use an AIRMAR Certified Installer. Visit [AIRMAR.com](http://AIRMAR.com) for an installer near you.

[www.humminbird.com](http://www.humminbird.com)

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