

# Edwards Even-Flow Circulators

Outstanding construction features include:

**1—STAINLESS STEEL IMPELLER**

Insures highly efficient performance and maximum resistance to corrosion and cavitation.

**2—LOW BEARING TEMPERATURES**

Webbed casting isolates bearing from pump body giving 40° to 50° lower operating temperature than competitive makes. This insures freedom from shaft seizure due to oil breakdown resulting from high operating conditions now being encountered in modern hydronic systems.

**3—FLEXIBLE COUPLING**

Unbreakable spring coupling, designed to minimize vibration, noise and shaft wear. Simple construction permits motor removal in the field and does not require take-up or adjustment after service. Interchangeable with competitive circulators.

**4—WATER SEAL**

Top quality; can be serviced or replaced in the field.

**5—HARDENED STAINLESS STEEL SHAFT**

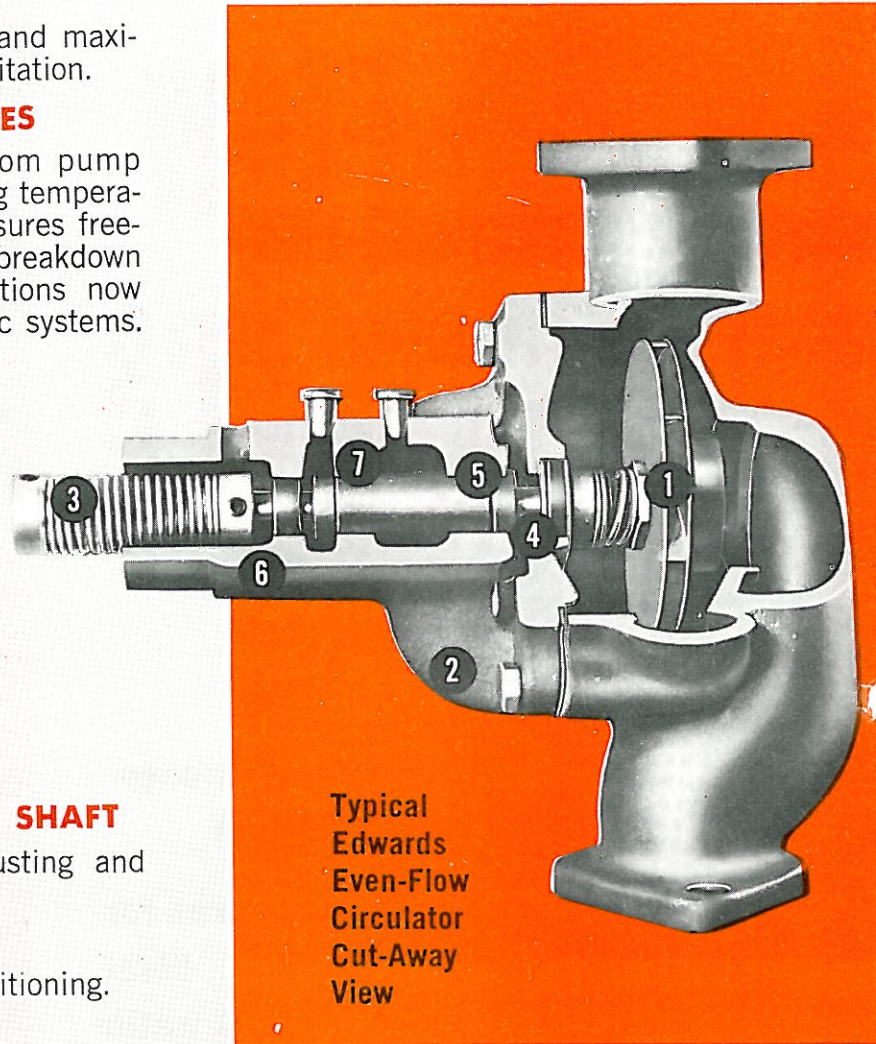
Ground and polished to prevent rusting and freeze-up.

**6—THRUST BEARING**

Insures impeller and water seal positioning.

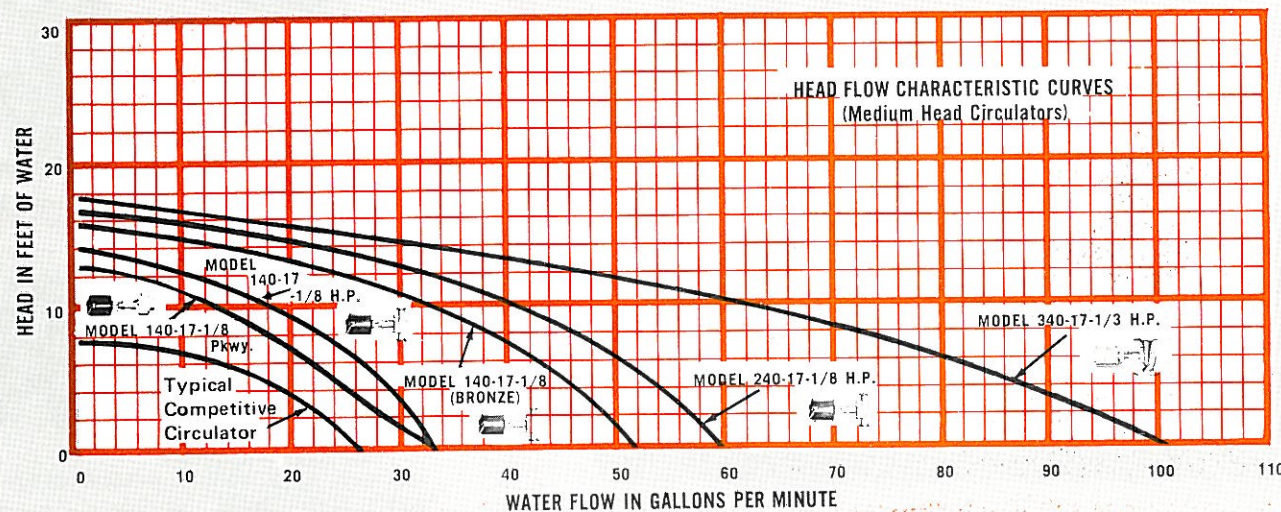
**7—OIL RESERVOIR**

With ample oil capacity

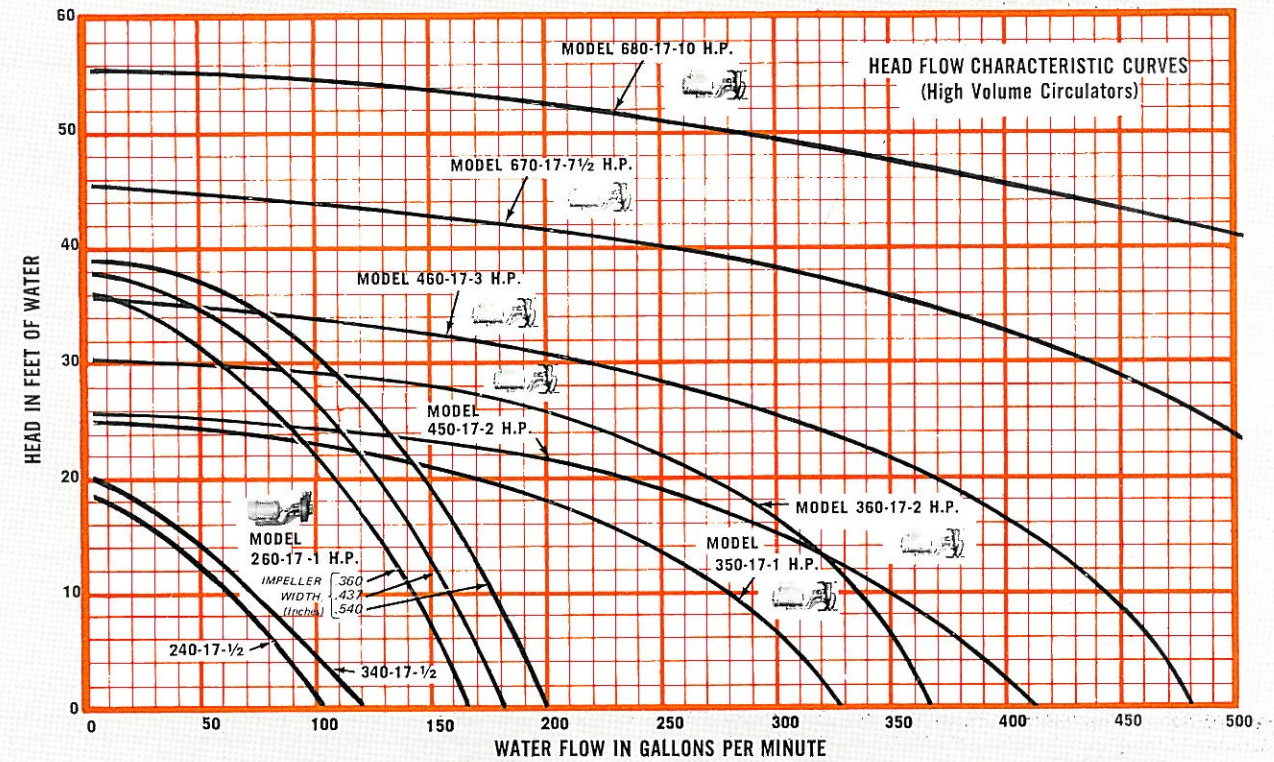


Typical  
Edwards  
Even-Flow  
Circulator  
Cut-Away  
View

**1700 RPM CIRCULATORS FOR HEATING/COOLING APPLICATIONS**

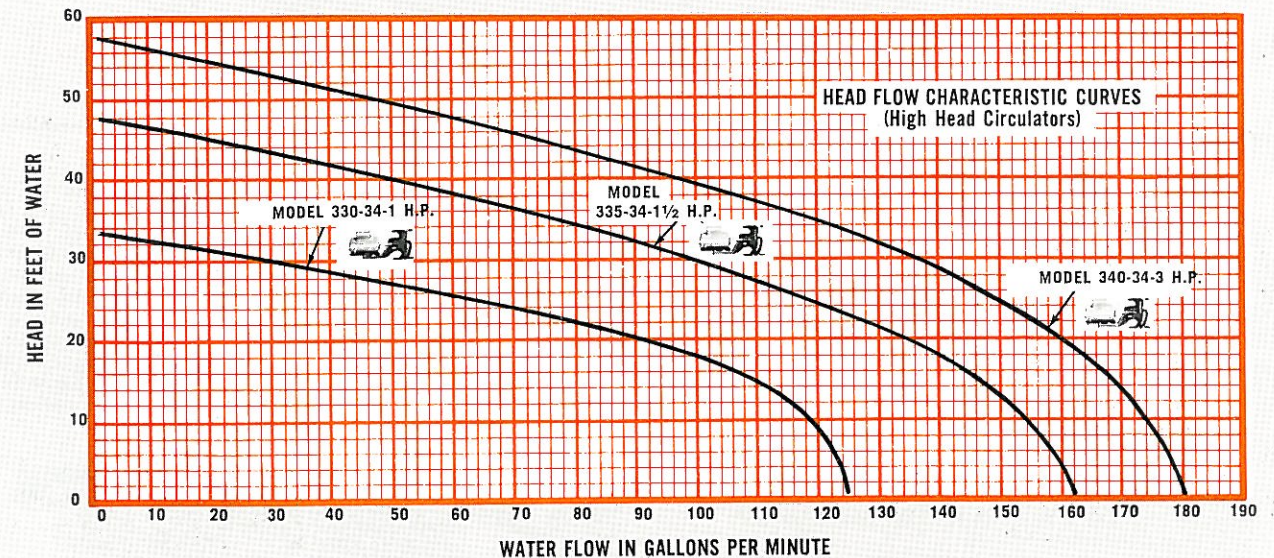
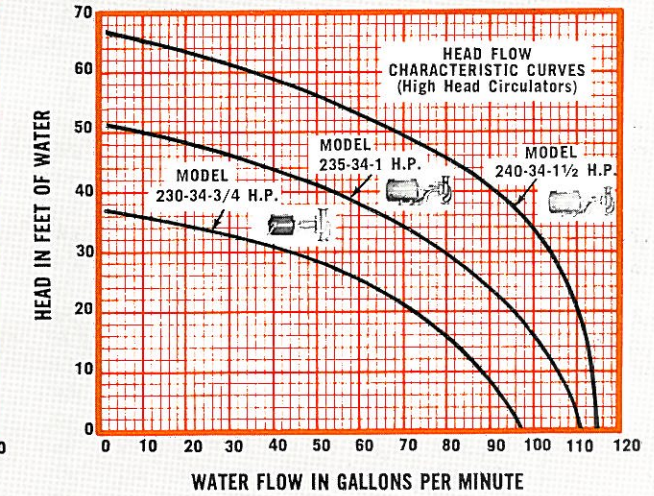
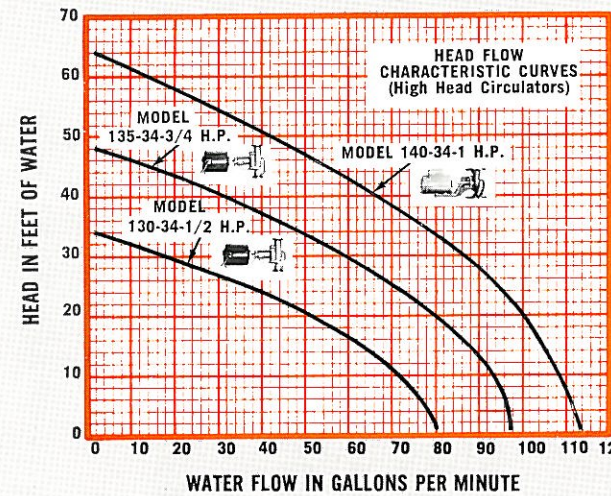


**1700 RPM CIRCULATORS FOR HEATING/COOLING APPLICATIONS**



**3400 RPM CIRCULATORS FOR INDUSTRIAL APPLICATIONS ONLY**

(Not recommended for Comfort Heating/Cooling.)



# SPECIFICATIONS *Edwards* Even-Flow Circulators

1725 RPM CIRCULATORS FOR HEATING/COOLING APPLICATIONS:  
3450 RPM Circulators for Industrial Applications only (Not for Comfort Heating/Cooling)

CIRCULATOR MODEL NO.	DEVELOPED HEAD IN FEET OF WATER, AT VARIOUS WATER FLOW RATES																			
	0 gpm	20 gpm	40 gpm	60 gpm	80 gpm	100 gpm	125 gpm	150 gpm	175 gpm	200 gpm	225 gpm	250 gpm	275 gpm	300 gpm	350 gpm	400 gpm	450 gpm	500 gpm		
140-17-1/8 Pkwy.	14.0	7.5																		
140-17-1/8	15.0	9.5																		
140-17-1/8 Brnz.	16.0	12.9	7.5																	
240-17-1/8	17.0	14.5	10.2																	
240-17-1/2	18.0	16.5	14.0	10.0	5.0															
340-17-1/3	18.0	15.8	13.2	10.2	6.5	0.5														
340-17-1/2	20.0	18.0	16.0	12.5	8.0	4.0														
350-17-1	24.3	24.0	23.8	23.5	23.0	22.5	20.5	19.2	17.5	15.5	12.8	9.5	5.5							
360-17-2	30.1	29.9	29.7	29.5	29.3	29.0	28.2	27.4	26.5	25.0	23.2	21.5	18.5	15.5	5.0					
450-17-2	25.0	24.8	24.6	24.4	24.2	24.0	23.5	22.8	22.0	21.0	19.8	18.5	16.7	9.7	9.5	1.7				
460-17-3	35.0	34.6	34.3	33.9	33.5	33.0	32.5	31.5	31.0	30.0	29.0	28.0	26.5	25.0	21.0	15.5	7.0			
670-17-7 1/2	45.1	44.7	44.2	44.0	43.5	43.2	42.5	42.0	41.5	41.0	40.0	39.5	38.5	37.5	35.4	32.5	28.5	23.0		
680-17-10	55.2	55.0	54.7	54.4	54.2	53.9	53.5	53.0	52.5	51.5	51.0	50.5	49.5	49.0	47.5	45.5	43.0	40.4		
130-34-1/2	33.0	28.2	23.0	16.0																
135-34-3/4	47.0	42.0	36.0	28.0	18.0															
140-34-1	63.5	56.2	49.0	41.0	31.9	18.0														
230-34-3/4	36.0	33.8	30.0	24.2	14.2															
235-34-1	50.1	46.9	42.0	36.5	28.0	14.5														
240-34-1 1/2	66.3	62.0	57.8	51.5	44.0	31.5														
330-34-1	32.8	30.5	28.0	25.0	21.5	17.0														
335-34-1 1/2	47.0	44.0	40.5	37.3	33.2	29.0	22.0	11.2												
340-34-3	57.0	54.0	50.5	46.9	42.5	38.5	32.2	26.0	7.0											

Circulator Models	Motor, (H.P.)	Weight, (Lbs.)	Pipe Sizes, (In.)		Height, (H),(In.)	Width, (D),(In.)	Length, (L),(In.)
			Flange	Threaded			
140-17-1/8	1/8	22	1 1/4	1 1/2 x 1 1/2	7 1/4"	5"	13 1/4"
140B-17-1/8 (Brnz)	1/8	25	1 1/4	1 1/2 x 1 1/2	8 1/2"	5 1/2"	17"
240-17-1/8	1/8	27 1/2	1 1/4	1 1/2 x 1 1/2	8 1/2"	5 1/2"	17"
A240-17-1/8	1/8	32	1 1/4	1 1/2 x 1 1/2	8 1/2"	5 1/2"	17"
A240-17-1/2	1/2	45	1 1/4	1 1/2 x 1 1/2	10"	6 1/2"	22"
A260-17-1	1	47	2	2x2	10"	6 1/2"	22"
A260B-17-1 (Brnz)	1	58	2	2x2	10"	6 1/2"	22"
340-17-1/2	1/2	47 1/2	3	2x2	10"	8"	23"
A340-17-1/2	1/2	77 1/2	3	2x2	10"	8"	23"
350-17-1;A350-17-1	1	68	3;3	—	13"	9 1/2"	25"
360-17-2;A360-17-2	2	108	3;3	—	12 1/4"	9 1/2"	26 1/2"
360B-17-2 (Brnz)	2	123	3	—	12 1/4"	9 1/2"	26 1/2"
450-17-2;A450-17-2	2	138	4;4	—	13 1/4"	10"	30"
460-17-3;A460-17-3	3	139	4;4	—	13 1/4"	10"	30"
670-17-7 1/2	7 1/2	281	6	—	17"	11"	42"
680-17-10	10	364	6	—	17"	11"	42"
130-34-1/2	1/2	40	1 1/4	1 1/2 x 1 1/2	8 1/2"	5 1/2"	18"
135-34-3/4	3/4	35	1 1/4	1 1/2 x 1 1/2	8 1/2"	6 1/2"	19 1/4"
140-34-1	1	42	1 1/4	1 1/2 x 1 1/2	8 1/2"	6 1/2"	22"
A230-34-3/4	3/4	43	1 1/4	1 1/2 x 1 1/2	8 1/2"	6 1/2"	19 1/4"
A235-34-1	1	45	1 1/4	1 1/2 x 1 1/2	8 1/2"	6 1/2"	22"
A240-34-1 1/2	1 1/2	47	1 1/4	1 1/2 x 1 1/2	8 1/2"	6 1/2"	22 1/2"
A330-34-1	1	49	3	2x2	10"	6 1/2"	22"
A335-34-1 1/2	1 1/2	60	3	2x2	10"	6 1/2"	22 1/2"
A340-34-3	3	67	3	2x2	10"	8"	23"

\* Bronze Impeller Housing; Cast Iron Bearing Assembly.

### FIELD SERVICE

Circulators are tested and adjusted for satisfactory operation at the factory. If water leakage occurs from the drain in the housing, indicating damaged water seal, replacement of the seal assembly may be accomplished by first unbolting the impeller housing, so that the motor and pump assembly may be removed from the line. Then, place an Allen wrench in the flexible spring coupling half toward the pump and hold the shaft to prevent turning; unscrew impeller and water seal. Replace with new seal.

If electric motor must be replaced, loosen motor bracket and remove motor assembly. For detailed field service, refer to service manual.

### LUBRICATION

Installation should be made so that electric motor is maintained in a horizontal position with oil openings facing upward.

MOTOR: Fill oil cups once each year with #10 Electric Motor Oil. PUMP: Fill oil cup before placing in operation. Then, oil at least once a year, or as required depending on use. Use SAE #30 oil. CAUTION: Do not use rust-prevention, cleaning, or High Detergency (HD) oil.

### WARRANTY (Limited)

The manufacturer warrants to the dealer the products described here-in to be free of original defects in material and workmanship and will, within one year from the date of factory shipment, repair or replace, at its option F.O.B. factory, any part or parts which upon inspection at its factory are found to be defective. Any such defective parts are to be returned through the dealer from whom purchased, transportation charges prepaid. The manufacturer shall not be liable for any charges involved in the removal or replacement of material at the point of operation, or for any damages which anyone may allege to have suffered as a result of any defect. The manufacturer's liability is limited to repair or replace as aforesaid and is further limited to the dealer. The manufacturer makes no guaranty or warranty of any kind, express or implied, to any other person. This guaranty negates all warranties and conditions.

**Edwards ENGINEERING CORP.**  
POMPTON PLAINS, NEW JERSEY 07444  
ph. (201) 835-2808 TELEX: 130-131

# Edwards Even-Flow Circulators

### FEATURING

- A** Large volume flow at moderate heads, coupled with
- B** Low bearing temperatures for trouble-free operation. Ideal for hot water or chilled water applications.

FORM 10-CR-1H  
Eff. Feb. 15, 1979  
Replaces 10-CR-1G



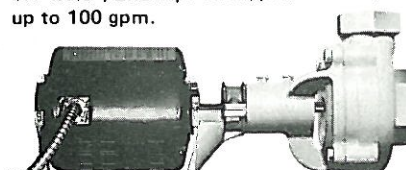
*Edwards*

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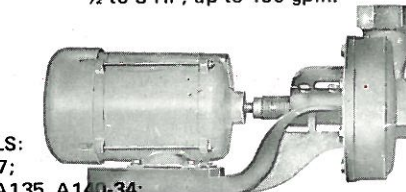
1 1/4" x 1 1/2"; 2x2 Pipe Sizes; 1/8 and 1/2 HP;  
up to 100 gpm.

MODELS  
140-17 (Parkway); A140, A240, A340-17



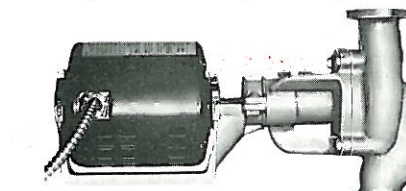
1 1/4" x 1 1/2"; 2x2 Pipe Sizes;  
1/2 to 3 HP; up to 190 gpm.

MODELS:  
A260-17;  
A130, A135, A140-34;  
A230, A235, A240-34; A330, A335, A340-34



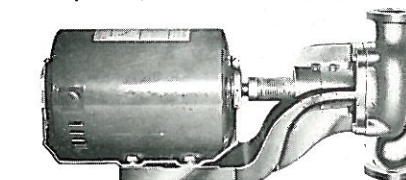
1 1/4" Pipe Size; 1/8 HP; up to 59.0 gpm.

MODELS: 140-17; 240-17; 140B-17; (BRONZE)



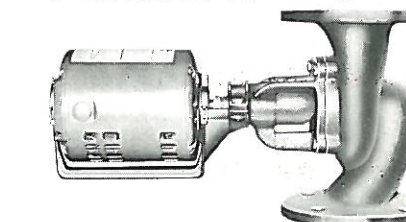
1 1/4" Pipe Size; 1/2 to 1 1/2 HP; up to 114 gpm.

MODELS: 130, 135, 140-34; 230, 235, 240-34



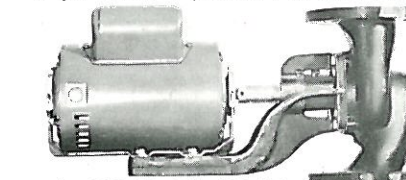
3" Pipe Size; 1/2 HP; up to 100 gpm.

MODELS: 340-17



3", 4" and 6" Pipe Size; 1 to 10 HP; 178 gpm.

MODELS: 350, 360-17; 450, 460-17;  
670, 680-17; 330, 335, 340-34; 360B-17 (BRONZE) \*(p.4)



2", 3" and 4" Pipe Size;  
1 to 3 HP; up to 475 gpm.

MODELS: A350, A360-17; A450, A460-17;  
\*A260B-17 (BRONZE) \*(p.4)

