

BOOSTER AND CIRCULATING PUMPS

—see next page for specifications, etc.—

PERFORMANCE TABLE

All speeds 1725 r. p. m. except those marked in note.

NOTE—Pumps marked C11, C12 and C15 are to run at 1200 r. p. m. to give the rated performance. Pumps for brine service will in most cases take the next larger commercial size of motor than the one given here due to higher specific gravity of the brine.

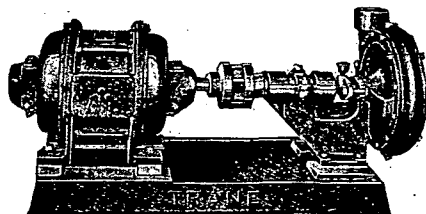


Fig. 8
Trane Circulating Pump

G. P. M.	Feet Head	10	20	30	40	50	60	80	100	125	150	175	200	225
5	Pump No. H. P.	C1 1/4	C1 1/4	C1 1/4	C2 1/2	C2 3/4	C6 1	C6 1	C6 1 1/2	C6 1 1/2	C6 1 1/2	C6 1 1/2		
10	Pump No. H. P.	C1 1/4	C1 1/4	C1 1/4	C2 1/2	C3 1	C6 1	C6 1	C6 1 1/2	C6 1 1/2	C6 1 1/2	C6 1 1/2		
20	Pump No. H. P.	C1 1/4	C2 1/2	C2 1/2	C3 1/2	C3 1	C7 1 1/2	C7 1 1/2	C7 2	C7 2	C8 3	C8 3		
30	Pump No. H. P.	C2 1/2	C2 1/2	C3 3/4	C3 1	C4 2	C4 2	C7 2	C7 2	C8 3	C8 3	C8 5	C8 5	
50	Pump No. H. P.	C2 1/2	C3 1	C4 1 1/2	C4 1 1/2	C4 2	C5 3	C5 3	C9 5	C10 5	C11 7 1/2	C11 7 1/2	C12 10	C12 10
75	Pump No. H. P.	C4 1 1/2	C4 1 1/2	C4 1 1/2	C4 2	C5 3	C5 3	C5 3	C12 7 1/2	C12 7 1/2	C12 7 1/2	C12 10		
100	Pump No. H. P.		C15 2	C15 3	C14 5	C14 5	C14 7 1/2	C16 10	C16 15	C16 15	C16 20			
125	Pump No. H. P.		C15 2	C15 3	C14 5	C14 5	C14 7 1/2	C16 10	C16 15	C16 15	C16 20			
150	Pump No. H. P.	C15 3	C15 3	C15 5	C14 5	C14 7 1/2	C14 7 1/2	C16 10	C16 15	C16 20				
200	Pump No. H. P.	C15 3	C15 3	C15 5	C15 5	C16 5	C16 7 1/2	C16 10	C16 15	C16 20				

Receiving Tank sizes, styles and Capacities for standard Trane Condensation and Vacuum Pumps

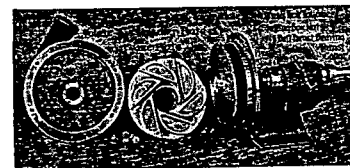
Pump No.	Style of Tank	Operating Capacity, Gal.
400 Series	Cast Iron	5 to 6 gal.
600-1000	20x30 steel	22 gal.
1500-3000	20x40 steel	30 gal.
T600-	Cast Iron	5 to 6 gal.
T800-1200	20x30 steel	22 gal.
T1800-3000	20x40 steel	30 gal.
R600	Cast Iron	5 to 6 gal.
R800-1200	20x30 steel	22 gal.
R1800-3000	20x40 steel	30 gal.

LARGER PUMPS

Write for data on larger sizes, and also on horizontal split shell pumps.

CENTRIFUGALS

Used on Condensation, Circulating, Booster, and Vacuum Pumps



Parts of Standard Trane Single Stage Centrifugal Pump. This construction used only in the smaller sizes

Pump—Trane single stage low pressure pumps are of the centrifugal type with vertical split casing and vertical split impeller, arranged so pump may be easily taken apart for inspection.

Volute—(Casings) Close grained cast iron, carefully machined. Made of special materials where liquids other than water are to be handled.

Bearings—Ball bearings, ring, waste packed, and chain oiling types, depending on size and style of pump. They are entirely removed from all contact with liquid being pumped. Turbo-Glyco Babbitt bearings, enclosed in bronze shell. Thrust taken care of by Ball Thrust Bearings.

Impellers—Brass, enclosed type; especially designed for the particular service to be rendered. Exactly balanced. Vane plate and impeller plate made separately; easy to clean where dirty or gritty liquids are handled.

Shafts—Steel. No deflection.

Packing Glands—Brass. Metallic braided packing used always.

Couplings—Pin and endless belt type, liberally oversized.

Base—Cast iron, heavily ribbed. An absolutely rigid foundation.

Motors—Wagner, Westinghouse or G. E., depending on service to be rendered.

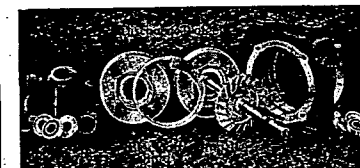
Trane Centrifugal Pumps are used on all Trane condensation units up to 20 lb. pressure, on all circulating units to 75 ft. head, and on booster and return line vacuum units.

The Trane Company specializes in pumping equipment required in the mechanical equipment of buildings. A complete line of pumps of the classes mentioned above, suitable for any conditions that may ordinarily be encountered, is carried.

Guarantee—Every Trane Pump is guaranteed to deliver its rated capacity against the head or pressure for which it is sold. In addition it is guaranteed against all mechanical defects for a period of one year.

AIR UNITS

Used on Trane Vacuum Pumps, Air Line, and Return Line



Parts of Standard Trane Air Unit

A glance at the above engraving shows gearless, valveless simplicity. Non-reciprocating.

The discharge plates and block-off ring are made of toughest bronze.

The impeller is bronze too, perfectly aligned and hydraulically balanced. It revolves on Ball Thrust Bearings.

And the result is a quiet pump; an efficient pump; and an everlasting pump.

Straight Line Action

Air enters top of each bucket and leaves through the bottom once only per revolution.

Greater efficiency.

Greater separation of air inlet and outlet.

No priming or recirculation.

No close clearances, anywhere.

High speed efficiency.

One Moving Part

A perfectly aligned and hydraulically balanced impeller that revolves on ball thrust bearings.

A quiet pump.

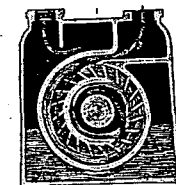
Nothing to leak or wear.

Less motor load.

No permanent water supply needed.

One air inlet and one air outlet.

No leaky stuffing boxes.



The air follows the arrow