

# TRHC 80 Two-Stage Liquid Ring Vacuum Pump



# TRAVAINI

- PRESSURE RANGE** : 25 to 150 TORR  
**CAPACITY** : 235 to 520 CFM
- FEATURES** : Two-stage rotating pump with externally located bearings grease lubricated
- SHAFT SEALING** : Mechanical seal - Double mechanical seal or stuffing box optional
- OPTIONS** : Bareshaft pump - Coupled to electric motor on baseplate - Monoblock with electric motor
- ACCESSORIES** : (Optional) Flange mounted air-liquid separator tank, non-return valve, vacuum relief valve, vacuum gauge and piped service liquid line with isolating valve, Y-strainer, 1/60/120 solenoid valve, flow regulating valve and compound gauge



## TECHNICAL DATA

PUMP TYPE		TRHC 80-600		TRHC 80-750	
Speed	RPM	1450	1750	1450	1750
Motor - installed power	HP	25-30	40	30-40	50
Average service liquid flow	GPM	8	8	10.6	10.6
Noise level at 150 Torr	dB(A)	76	79	76	79
Minimum suction pressure	Torr	25	25	25	25

## MODEL DESIGNATION

TRHC 80 - 750 / C - M / RX	
T	Travaini manufacturer
R	Liquid ring pump
H	Two-stage pump
C	Design number
80	Flange size (mm)
750	Nominal capacity (m <sup>3</sup> /h)
C	Shaft sealing C = Mechanical seal C2 = Double mech. seal B = Packing seal
M	Close-coupled construction with lantern (available upon request)
RX	Materials of construction (see table)

Standard Materials of Construction **					
Part No.	Description	RX	F	RA	A3
106	Suction casing	Cast iron			Stainless steel AISI 316
107	Discharge casing	Cast iron			
137	Port plate	Cast iron			
110	Impeller housing	Carbon steel			Stainless steel AISI 316
210	Shaft	Stainless steel AISI 420			
147	Manifold	Carbon steel			Cast iron
357	Bearing housing	Cast iron			
230	Impeller	Stainless Steel AISI 304	Ductile iron	Stainless steel AISI 316	

\*\*Special Materials Available Upon Request

-Request information on our HYDROSYS and DYNASEAL engineered vacuum systems

-For further information please consult Premier Fluid Systems Inc.



**Premier Fluid Systems**  
Canadian Home Of Travaini Pumps