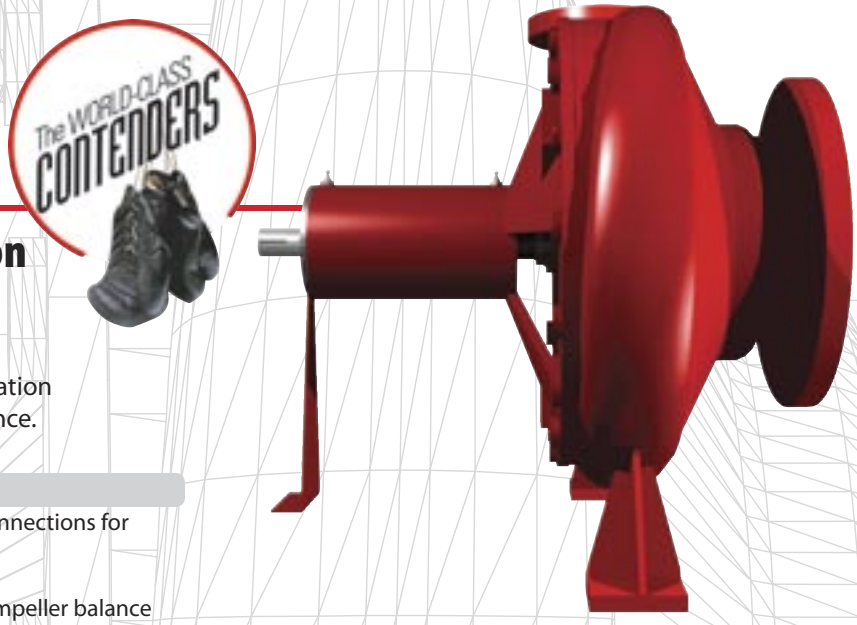
End Suction HVAC Pumps

Frame-Mounted Configuration



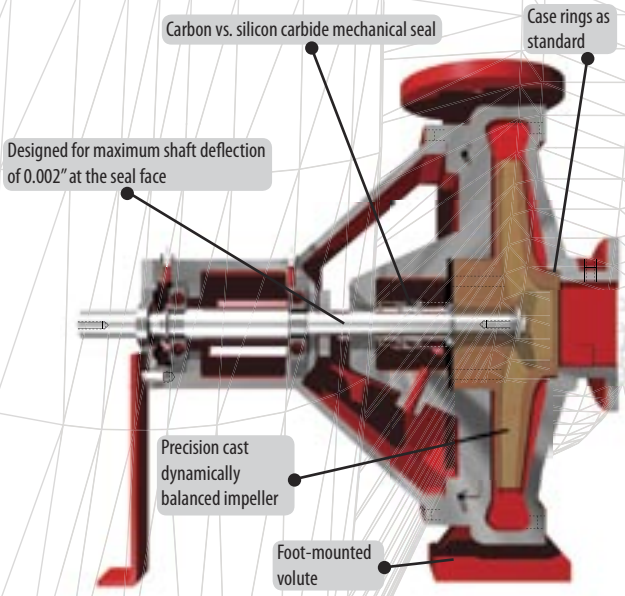
Pro-Max® end suction HVAC pumps offer a high-efficiency design that minimizes energy consumption, and their back pullout configuration provides easy access and simplifies maintenance.

Benefits

- Gauge taps at the suction and discharge connections for complete monitoring flexibility
- Annular pressure reducing clearance with impeller balance holes to reduce axial thrust
- Precision cast, dynamically balanced impeller minimizes vibration and maximizes bearing life
- Precision bearings and machining limit shaft deflection to only 0.002" at the seal face
- Bearing housing mounts directly to the pump volute to save space and provide proper alignment

Features

- Flows to 2,500 GPM, heads to 400' TDH
- OSHA coupling guard
- Heavy structural steel channel base
- Standard case wear ring and grease-lubricated bearings
- Mechanical seal is available in carbon vs. silicon carbide (optional: tungsten carbide)
- Every pump hydrostatically pressure-tested
- Optional 250-lb discharge flanges and seal flush lines available on many models
- Bronze fitted construction with bronze shaft sleeves standard; optional stainless steel shaft and stainless steel sleeve available



SPECIFICATIONS: FRAME-MOUNTED

Pumps shall be high efficiency end-suction design; base mounted with OSHA approved coupling guard. The pumps shall be of the back pullout design, single stage, and capable of being serviced without disturbing piping connections.

The flex coupling shall be rated for non-overloading conditions.

The pump volute case shall be class 30 cast iron and shall have a volute mount rear support foot. The pumps shall have case wear rings and grease lubricated bearings.

Pumps shall be designed for a maximum shaft deflection of 0.002" at the seal face.

Impellers shall be precision cast and dynamically balanced and shall be of the enclosed type, non-leaking brass and keyed to the shaft. The impellers shall have annular pressure reducing clearance with impeller balance holes to reduce axial thrust.

The pumps shall have a replaceable bronze or stainless steel shaft sleeve and shall cover the liquid area under the seal. The pump shall have a mechanical seal type _____ _____ carbon vs. ceramic with seal water flush line. (Optional: silicon carbide.)

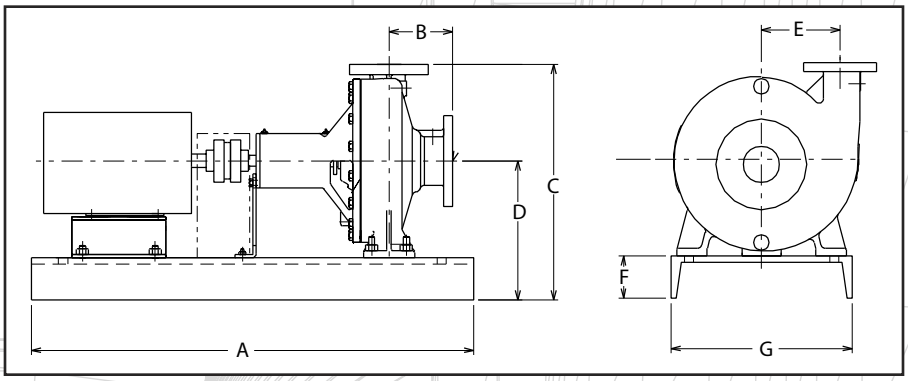
The pumps shall be rated for a minimum of 175 psi working pressure. Casing shall have taped holes on the suction and discharge to accommodate gauges, fittings, and drain ports.

Motors shall be EPAC/Nema rated and shall be of the size, voltage, and enclosure (ODP/TEFC) as outlined in the plans and specifications. The motor shall be non-overloading throughout the entirety of the pump performance curve. (Optional: Premium efficiency.)

Each pump shall be factory hydrostatically tested per Hydraulic Institute Standards.

End Suction HVAC Pumps
Frame Mounted

DIMENSIONS



SPECIFICATIONS

MODEL	DISCHARGE, IN./LBS.	SUCTION, IN.	WORKING PRESSURE, PSI	MOTOR FRAME	A	B	C	D	E	F	G
E1.25B7A-1	1.25/NPT	1.5/NPT	175	56-143T-145T	38	3.5	15.5	9.5	4.375	3.5	15
E1.5F7A-1	1.5/NPT	2/NPT	175	56-143T-145T-182T	38	4.125	15.5	9.5	4.5625	3.5	15
E1.5B9A-1	1.5/NPT	2/NPT	250	143T-145T-182T-184T	38	3.8125	17	10.5	5.5	3.5	15
E1.5BA9A-1	1.5/NPT	2/NPT	250	143T-145T-182T-184T	38	3.8125	17	10.5	5.625	3.5	15
E2F7A-1	2/125	2.5/125	175	56-143T-145T-182T-184T	38	3.75	15.5	9.5	4.6875	3.5	15
E2DA9A-1	2/125	2.5/125	175a	145T-182T-184T-213T	42	4	18.5	11.5	5.875	3.5	15
E2D11A-1	2/125	3/125	175a	182T-184T-213T-215T-254T	48	4.5	19.5	11.5	6.5	3.5	15
E2B13A-2	2/125	3/125	175	184T-213T-215T-254T-256T-284TS	52	4.5	21.75	13.5	8	3.5	15
E2.5J7A-1	2.5/125	3/125	175	56-143T-145T-182T-184T	38	4.25	16.5	10.5	4.875	3.5	15
E2.5F9A-1	2.5/125	3/125	175a	182T-184T-213T-215T	42	4.5	19.5	11.5	6.0625	3.5	15
E3P7A-1	3/125	4/125	175	143T-145T-182T-184T	38	5	17	10.5	5.125	3.5	15
E3J9A-1	3/125	4/125	175a	184T-213T-215T-254T	48	5	20.5	12.5	6.4375	3.5	15
E3F11A-1	3/125	4/125	175a	184T-213T-215T-254T	48	5.5	22	13	7.125	4	18
E3F11A-2	3/125	4/125	175a	256T	48	5.5	22	13	7.125	4	18
E3D13A-2	3/125	4/125	175	215T-254T-256T-284TS-286TS-324TS	53	5	23.5	14	8.375	4	18
E4RA7A-1	4/125	5/125	175	182T-184T-213T-215T	42	4.5	19	11.5	5.5	3.5	15
E4V7A-1	4/125	5/125	175	182T-184T-213T-215T	42	5.25	19	11.5	5.75	3.5	15
E4P9A-1	4/125	5/125	175	184T-213T-215T-254T-256T	48	5	20.5	12.5	7	3.5	15
E4J11A-1	4/125	5/125	175a	215T-254T	48	5.5625	24.25	14	7.5	4	18
E4J11A-2	4/125	5/125	175a	256T-284TS	48	5.5625	24.25	14	7.5	4	18
E4F13A-2	4/125	5/125	175	254T-256T-284TS-286TS-324TS-326TS-364TS-365TS	58	6	25.0625	14.0625	8.5625	3.0625	24
E4R9A-1	4/125	6/125	175	213T-215T-254T	48	5	21.5	13.5	7.25	3.5	15
E4R9A-2	4/125	6/125	175	256T	48	5	21.5	13.5	7.25	3.5	15
E4N11A-2	4/125	6/125	175	254T-256T-284TS-286TS-324TS	53	5	23	14	7.9375	4	18
E4JA13A-2	4/125	6/125	175	254T-256T-284TS-286TS-324TS-326TS-364TS-365TS	58	5.5	24.0625	14.0625	8.625	3.0625	24
E6V9A-2	6/125	8/125	175	215T-254T-256T-284TS-286TS	53	8	24	14	8	4	18
E6T11A-2	6/125	8/125	175	256T-284TS-286TS-324TS-326TS-364TS	58	6.125	25.0625	14.0625	8.375	3.0625	24
E6N13A-2	6/125	8/125	175	284TS-286TS-324TS	58	7	27.5625	15.0625	9.375	3.0625	24
E6N13A-3	6/125	8/125	175	326TS-364TS-365TS-404TS	61	7	27.5625	15.0625	9.375	3.0625	24

a Optional 250 psi-rated flanges are available.

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