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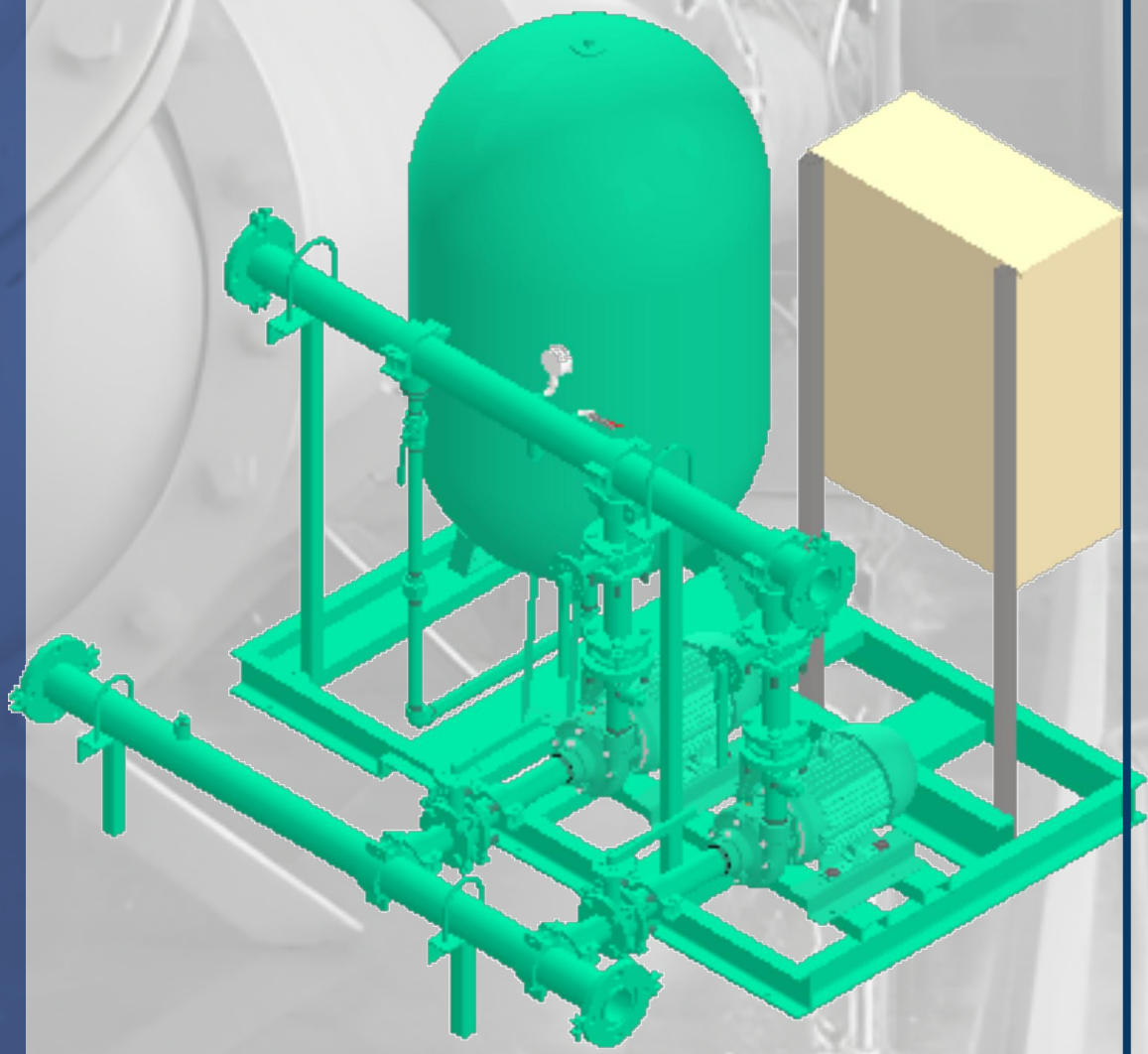
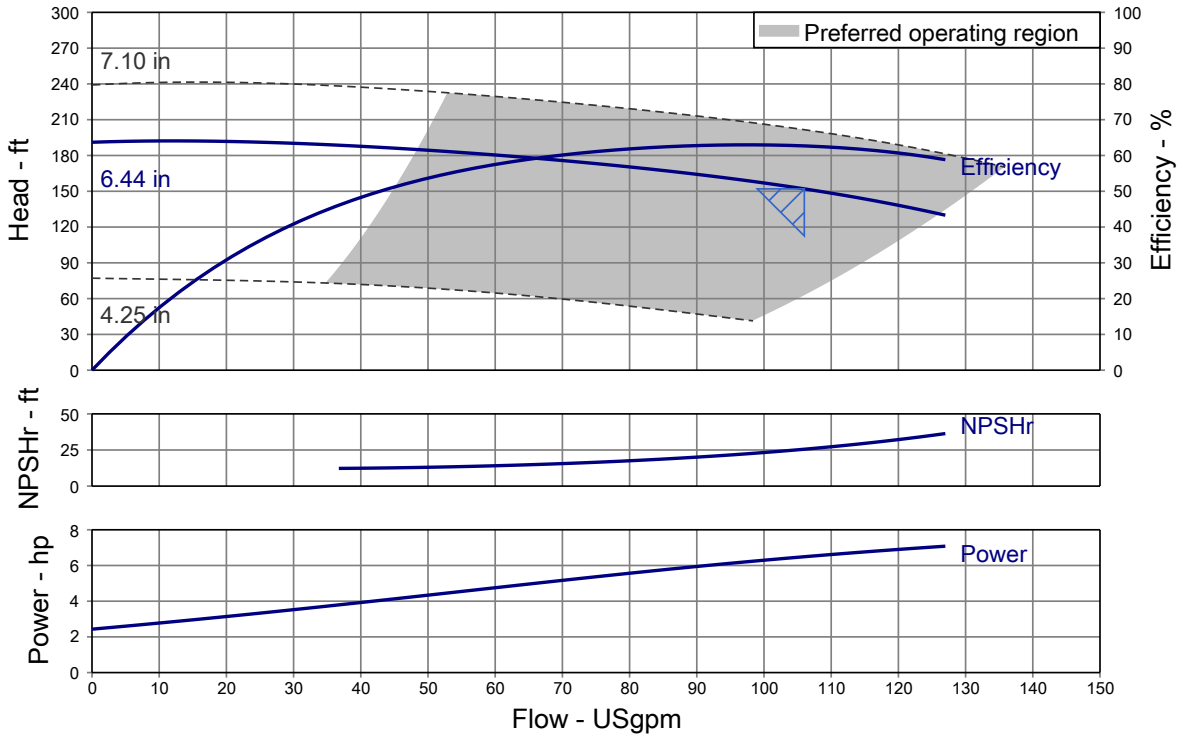
BOOSTER SYSTEMS

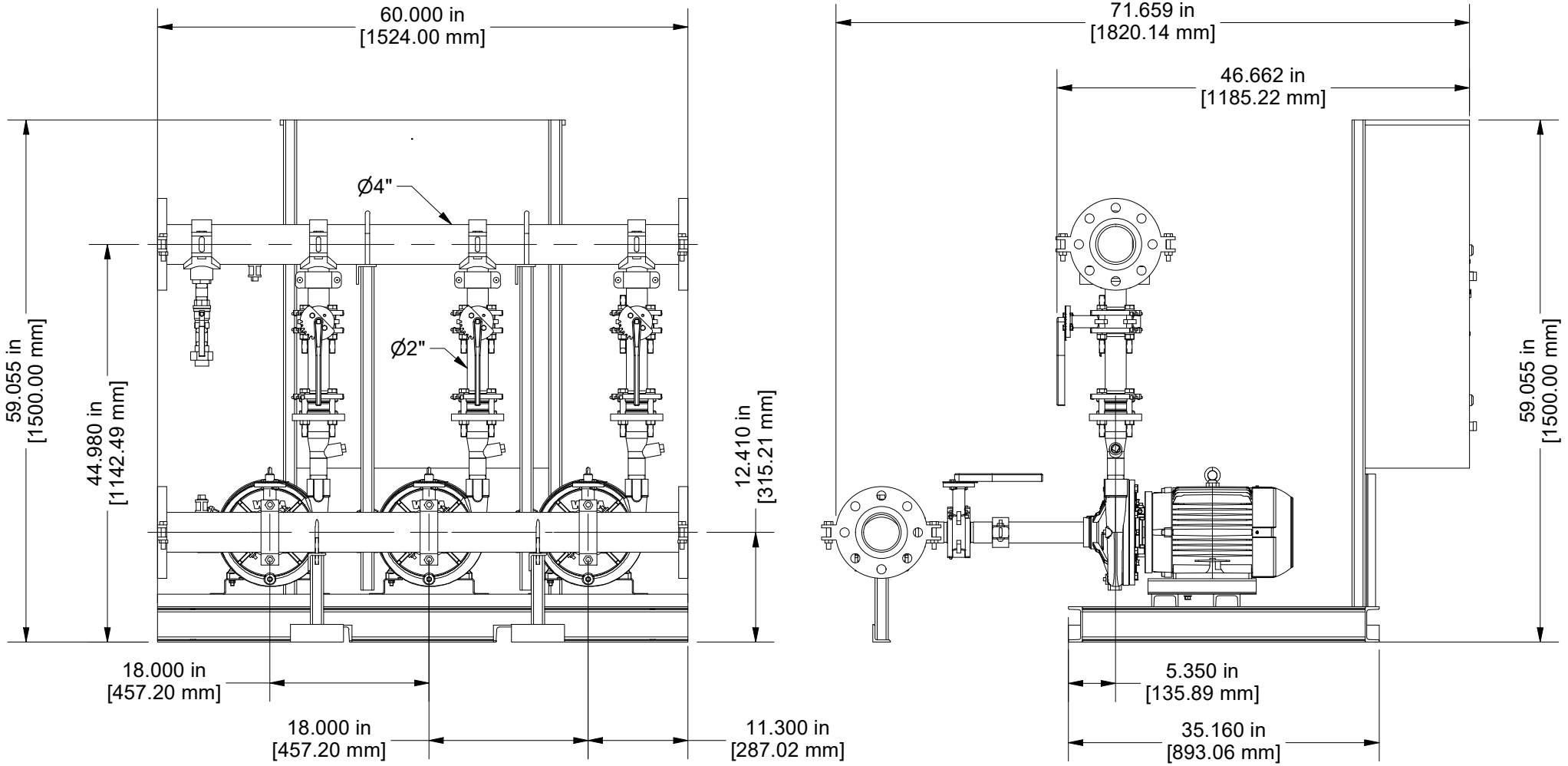


Pump Performance Datasheet

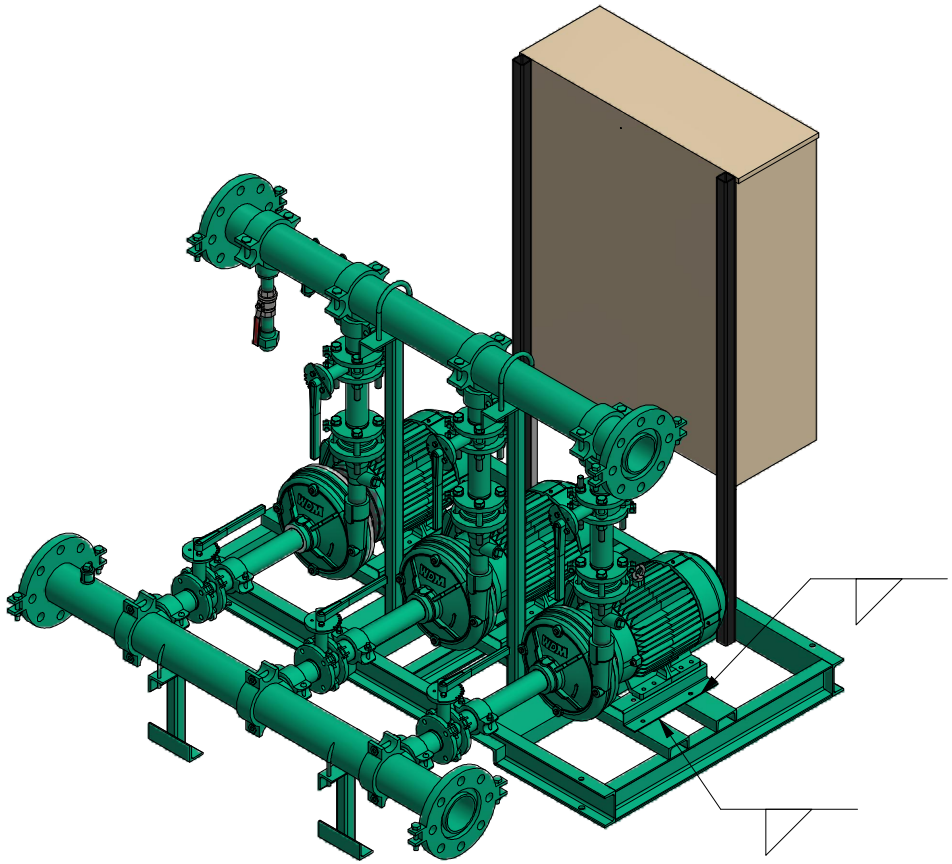
Operating Conditions	
Flow, rated	: 106.0 USgpm
Differential head / pressure, rated (requested)	: 152.0 ft
Differential head / pressure, rated (actual)	: 153.0 ft
Suction pressure, rated / max	: 0.00 / 0.00 psi.g
NPSH available, rated	: Ample
Site Supply Frequency	: 60 Hz
Performance	
Speed criteria	: Synchronous
Speed, rated	: 3600 rpm
Impeller diameter, rated	: 6.44 in
Impeller diameter, maximum	: 7.10 in
Impeller diameter, minimum	: 4.25 in
Efficiency	: 62.68 %
NPSH required / margin required	: 25.53 / 0.00 ft
Ns (imp. eye flow) / Nss (imp. eye flow)	: 691 / 3,405 US Units
MCSF	: -
Head, maximum, rated diameter	: 192.2 ft
Head rise to shutoff	: 25.70 %
Flow, best eff. point	: 97.45 USgpm
Flow ratio, rated / BEP	: 108.77 %
Diameter ratio (rated / max)	: 90.67 %
Head ratio (rated dia / max dia)	: 75.40 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00 / 1.34
Selection status	: Acceptable

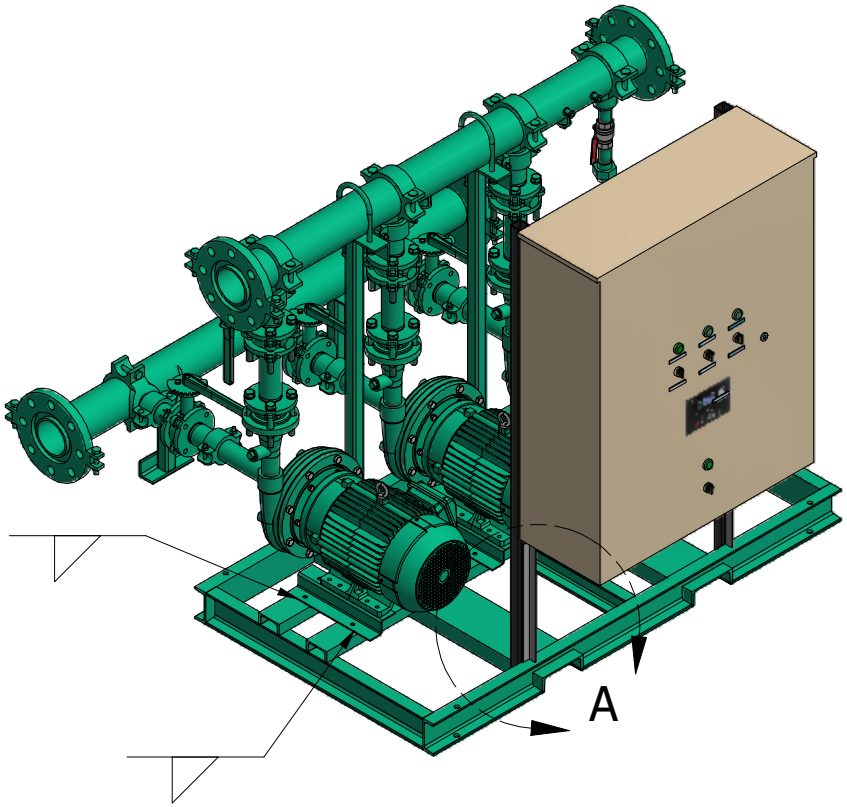
Liquid	
Liquid type	: Water
Additional liquid description	:
Solids diameter, max	: 0.00 in
Solids concentration, by volume	: 0.00 %
Temperature, max	: 68.00 deg F
Fluid density, rated / max	: 1.000 / 1.000 SG
Viscosity, rated	: 1.00 cP
Vapor pressure, rated	: 0.34 psi.a
Material	
Material selected	: Standard
Pressure Data	
Shut off pressure	: 83.19 psi.g
Maximum allowable working pressure	: N/A
Maximum allowable suction pressure	: N/A
Hydrostatic test pressure	: N/A
Driver & Power Data (@Max density)	
Driver sizing specification	: Maximum power
Margin over specification	: 0.00 %
Service factor	: 1.15 (used)
Power, hydraulic	: 4.07 hp
Power, rated	: 6.49 hp
Power, maximum, rated diameter	: 7.08 hp
Minimum recommended motor rating	: 7.50 hp / 5.59 kW

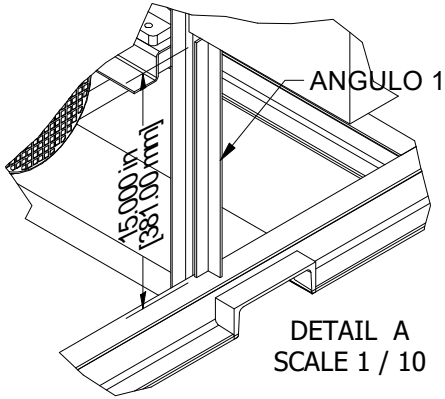




FOR REFERENCE ONLY







DETAIL A
SCALE 1 / 10

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