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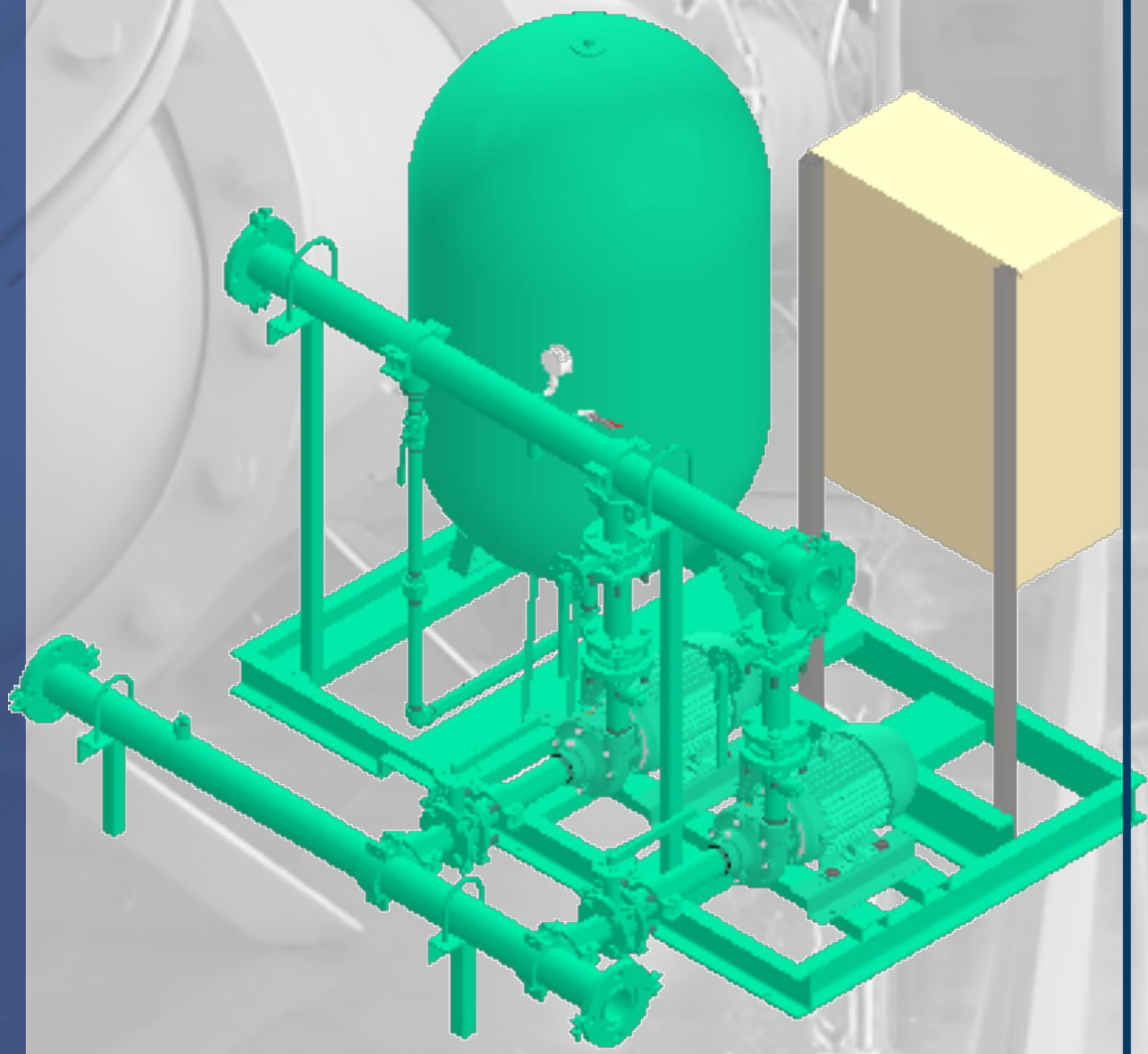
BOOSTER SYSTEMS



PERFORMANCE CURVE

Operating Conditions	
Flow, rated	: 165.2 USgpm
Differential head / pressure, rated (requested)	: 70.00 ft
Differential head / pressure, rated (actual)	: 71.17 ft
Suction pressure, rated / max	: 0.00 / 0.00 bar.g
NPSH available, rated	: Ample
Site Supply Frequency	: 60 Hz

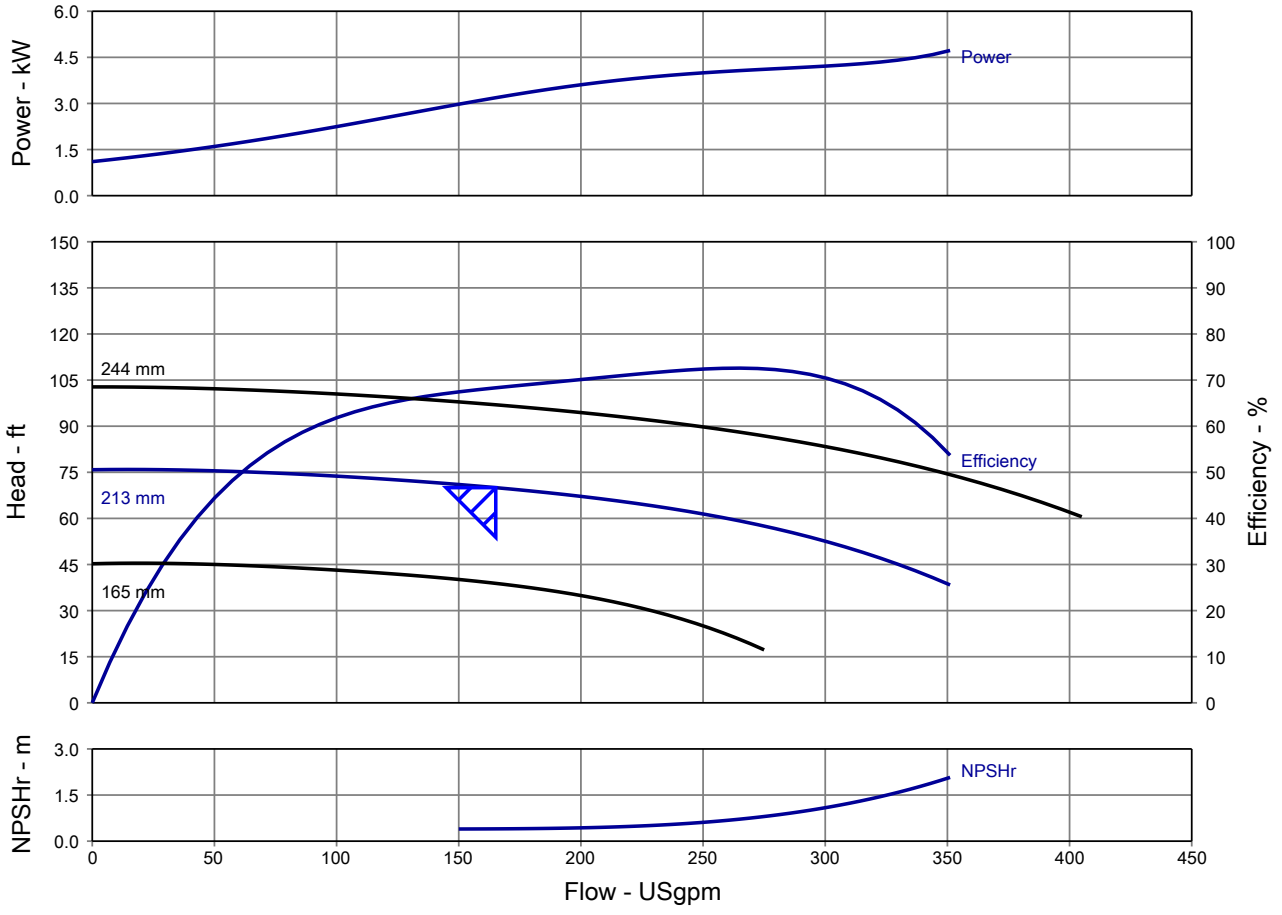
Performance	
Speed criteria	: Synchronous
Speed, rated	: 1800 rpm
Impeller diameter, rated	: 213 mm
Impeller diameter, maximum	: 244 mm
Impeller diameter, minimum	: 165 mm
Efficiency	: 68.32 %
NPSH required / margin required	: 0.40 / 0.00 m
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,190 / 12,482 US Units
MCSF	: -
Head, maximum, rated diameter	: 75.92 ft
Head rise to shutoff	: 8.33 %
Flow, best eff. point	: 264.2 USgpm
Flow ratio, rated / BEP	: 62.51 %
Diameter ratio (rated / max)	: 87.24 %
Head ratio (rated dia / max dia)	: 72.20 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
Selection status	: Acceptable

Liquid	
Liquid type	: Chemical
Additional liquid description	:
Solids diameter, max	: 0.00 mm
Solids concentration, by volume	: 0.00 %
Temperature, max	: 20.00 deg C
Fluid density, rated / max	: 0.999 / 0.999 kg/dm3
Viscosity, rated	: 1.00 cSt
Vapor pressure, rated	: 0.00 bar.a

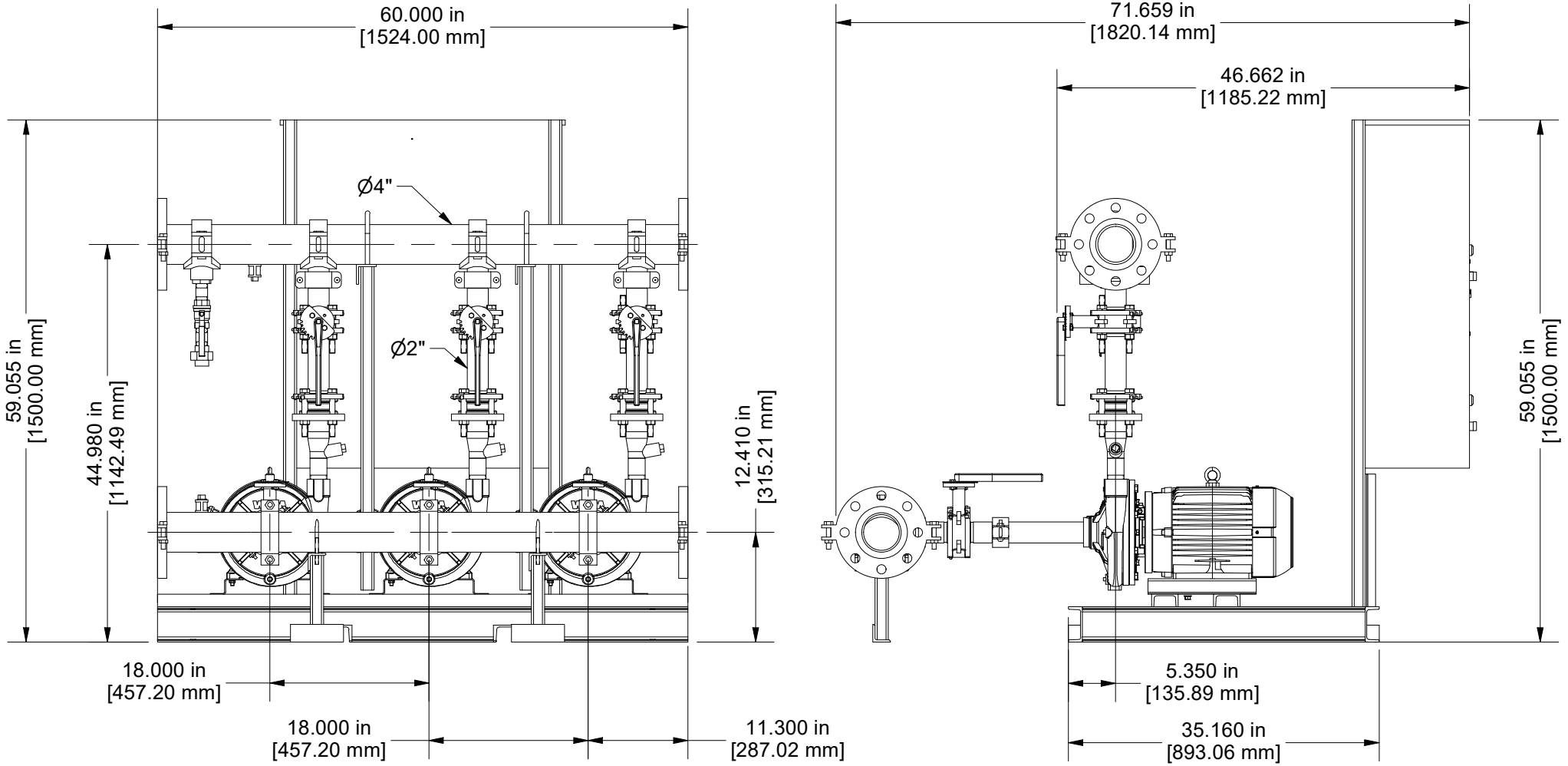
Material	
Material selected	: Standard

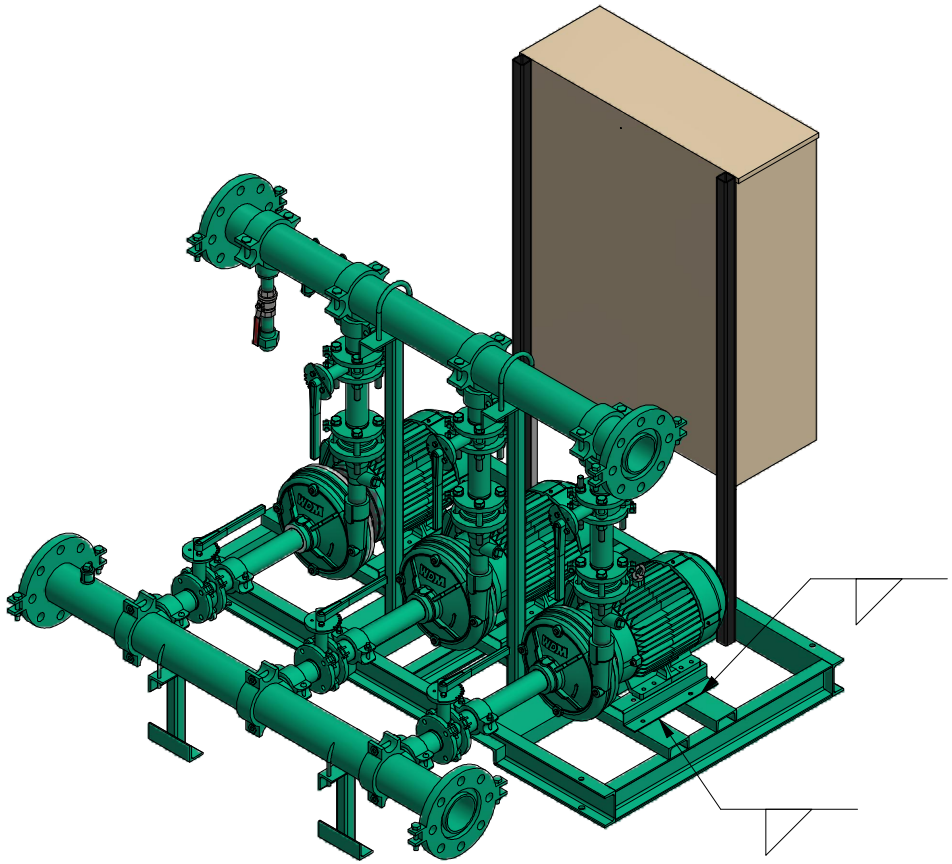
Pressure Data	
Maximum discharge pressure	: 2.27 bar.g
Maximum allowable working pressure	: N/A
Maximum allowable suction pressure	: N/A
Hydrostatic test pressure	: N/A

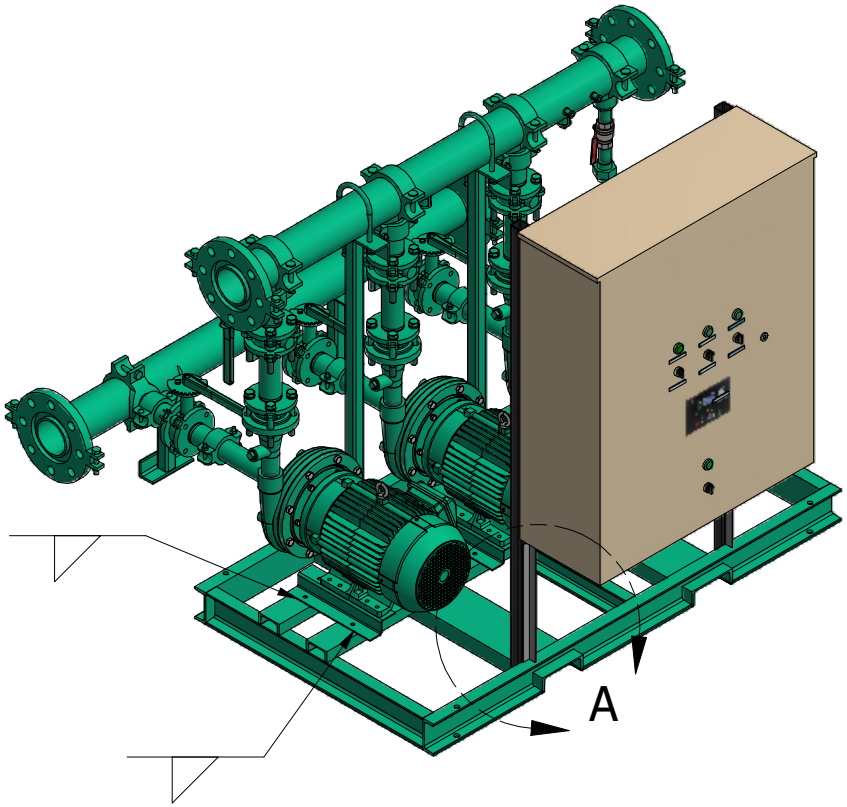
Driver & Power Data (@Max density)	
Driver sizing specification	: Rated power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 2.18 kW
Power, rated	: 3.19 kW
Power, maximum, rated diameter	: 4.72 kW
Minimum recommended motor rating	: 3.73 kW / 5.00 hp

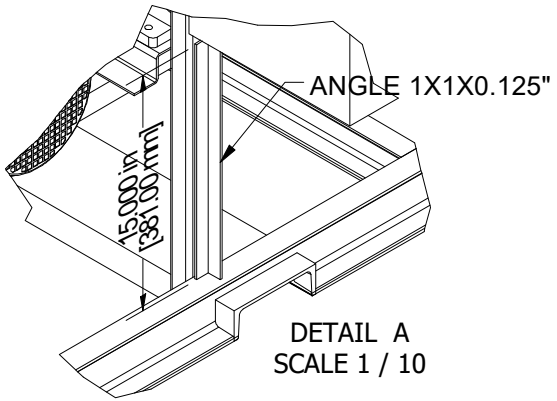


REFERENCE ONLY NOT EXACT DRAWING. TANK MISSING









DETAIL A
SCALE 1 / 10

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