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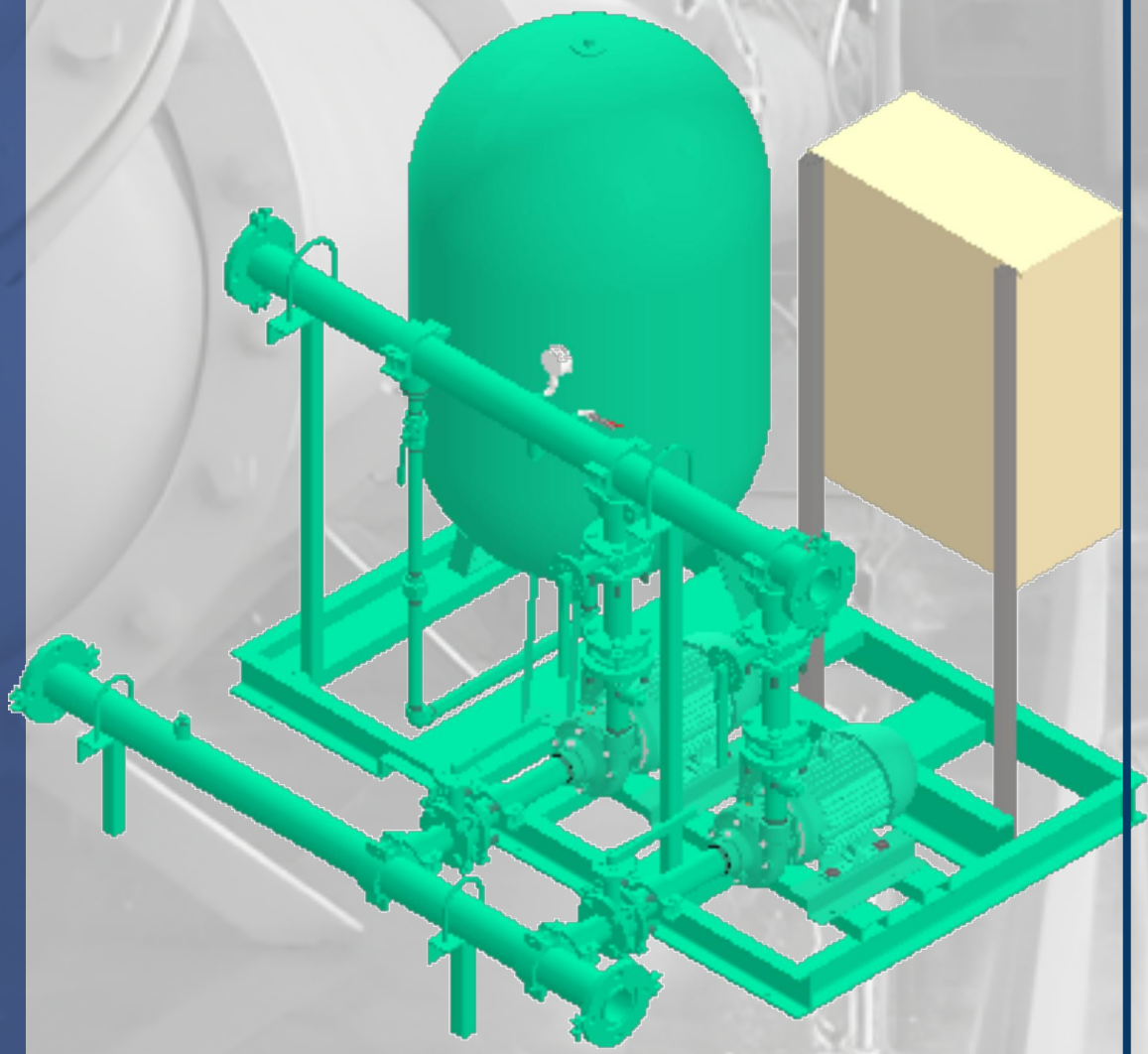
BOOSTER SYSTEMS



PERFORMANCE CURVE

Operating Conditions	
Flow, rated	: 200.0 USgpm
Differential head / pressure, rated (requested)	: 173.0 ft
Differential head / pressure, rated (actual)	: 174.8 ft
Suction pressure, rated / max	: 0.00 / 0.00 bar.g
NPSH available, rated	: Ample
Site Supply Frequency	: 60 Hz

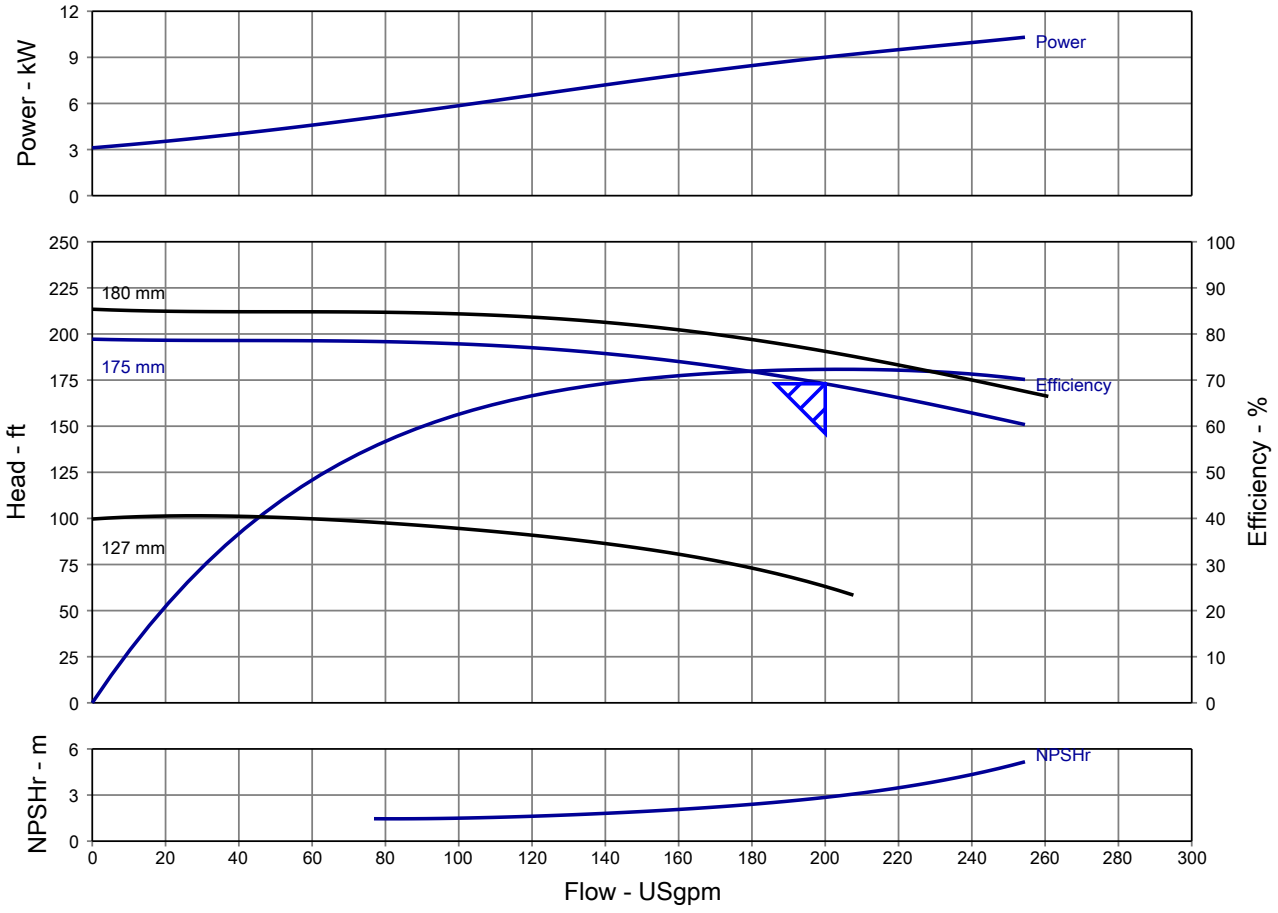
Performance	
Speed criteria	: Synchronous
Speed, rated	: 3600 rpm
Impeller diameter, rated	: 175 mm
Impeller diameter, maximum	: 180 mm
Impeller diameter, minimum	: 127 mm
Efficiency	: 72.33 %
NPSH required / margin required	: 2.85 / 0.00 m
Ns (imp. eye flow) / Nss (imp. eye flow)	: 1,038 / 9,215 US Units
MCSF	: -
Head, maximum, rated diameter	: 197.2 ft
Head rise to shutoff	: 13.98 %
Flow, best eff. point	: 204.4 USgpm
Flow ratio, rated / BEP	: 97.85 %
Diameter ratio (rated / max)	: 96.83 %
Head ratio (rated dia / max dia)	: 90.77 %
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
Selection status	: Acceptable

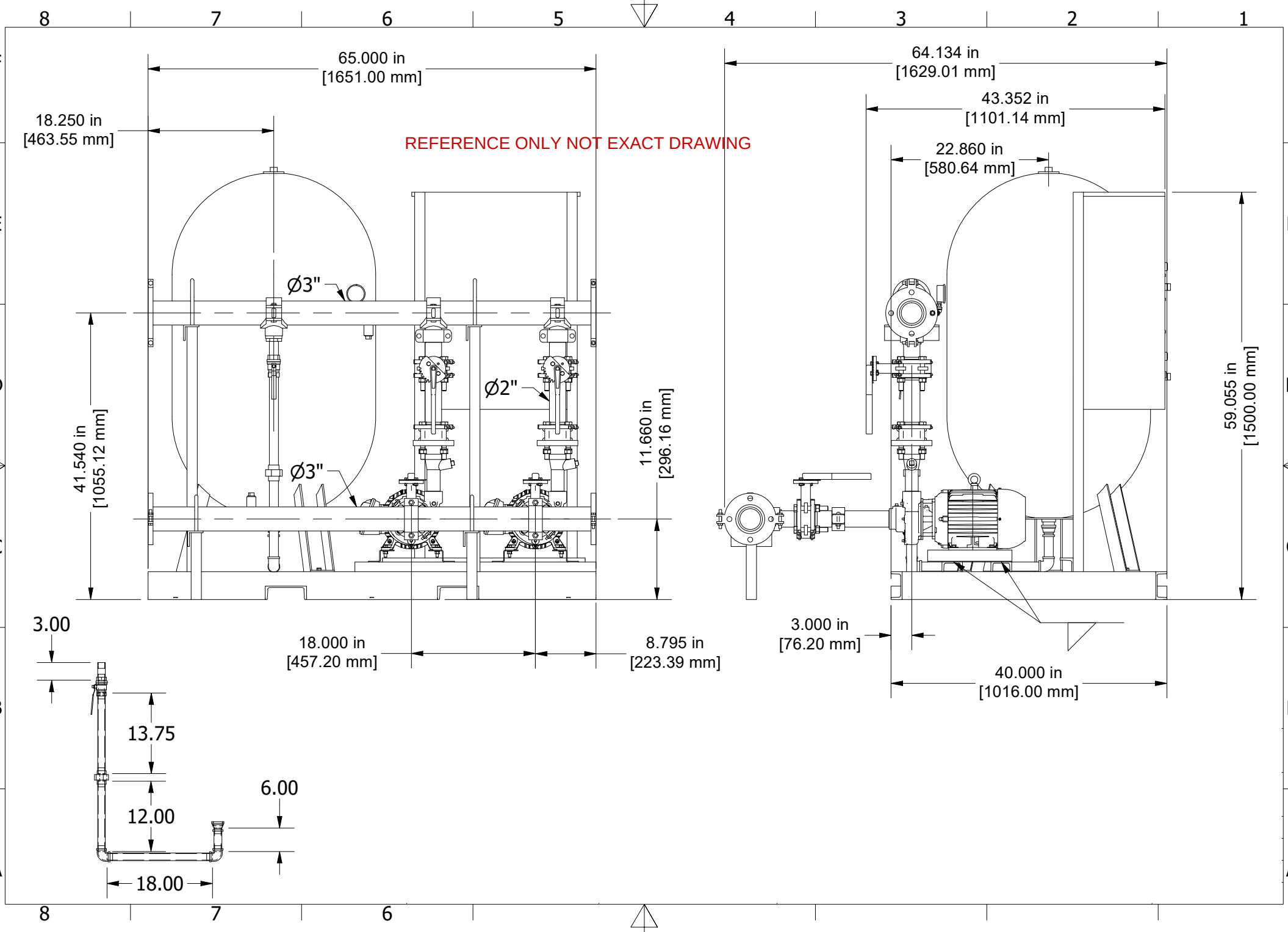
Liquid	
Liquid type	: Chemical
Additional liquid description	:
Solids diameter, max	: 0.00 mm
Solids concentration, by volume	: 0.00 %
Temperature, max	: 20.00 deg C
Fluid density, rated / max	: 0.999 / 0.999 kg/dm3
Viscosity, rated	: 1.00 cSt
Vapor pressure, rated	: 0.00 bar.a

Material	
Material selected	: Standard

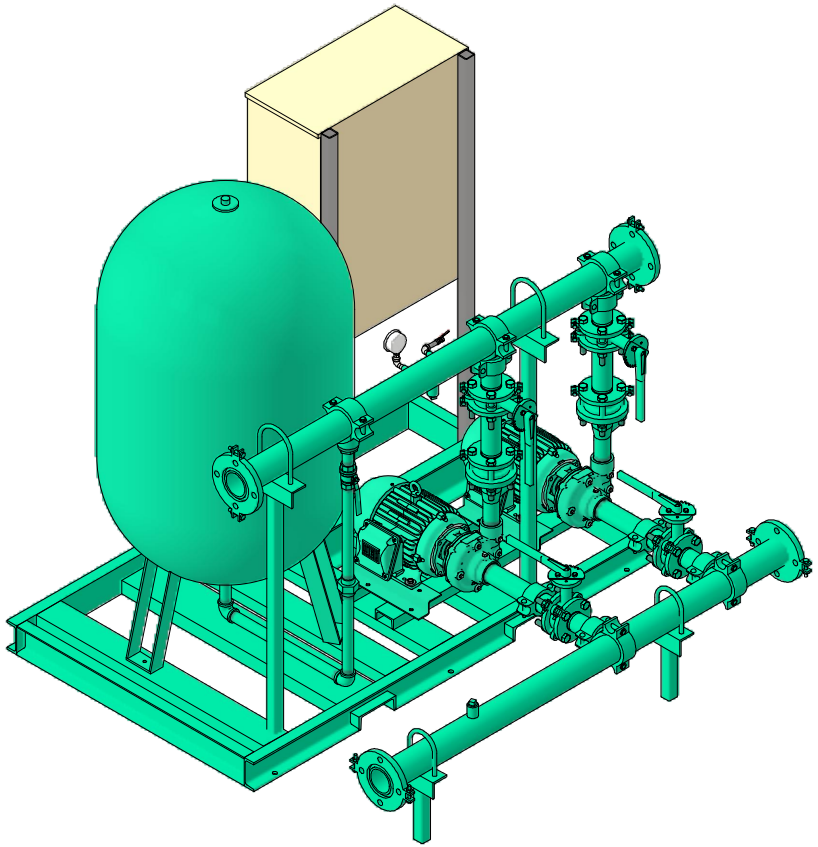
Pressure Data	
Maximum discharge pressure	: 5.89 bar.g
Maximum allowable working pressure	: N/A
Maximum allowable suction pressure	: N/A
Hydrostatic test pressure	: N/A

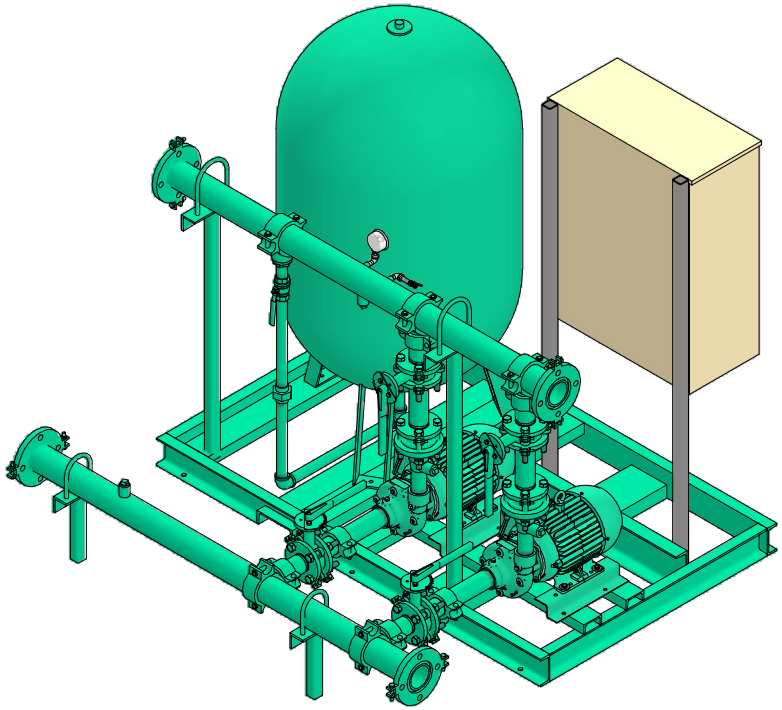
Driver & Power Data (@Max density)	
Driver sizing specification	: Rated power
Margin over specification	: 0.00 %
Service factor	: 1.00
Power, hydraulic	: 6.52 kW
Power, rated	: 9.01 kW
Power, maximum, rated diameter	: 10.31 kW
Minimum recommended motor rating	: 11.19 kW / 15.00 hp




65.000 in
[1651.00 mm]
18.250 in
[463.55 mm]
REFERENCE ONLY NOT EXACT DRAWING
Ø3"
Ø2"
Ø3"
41.540 in
[1055.12 mm]
11.660 in
[296.16 mm]
18.000 in
[457.20 mm]
8.795 in
[223.39 mm]
64.134 in
[1629.01 mm]
43.352 in
[1101.14 mm]
22.860 in
[580.64 mm]
59.055 in
[1500.00 mm]
3.000 in
[76.20 mm]
40.000 in
[1016.00 mm]
3.00
13.75
12.00
6.00
18.00

REFERENCE ONLY NOT EXACT DRAWING





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