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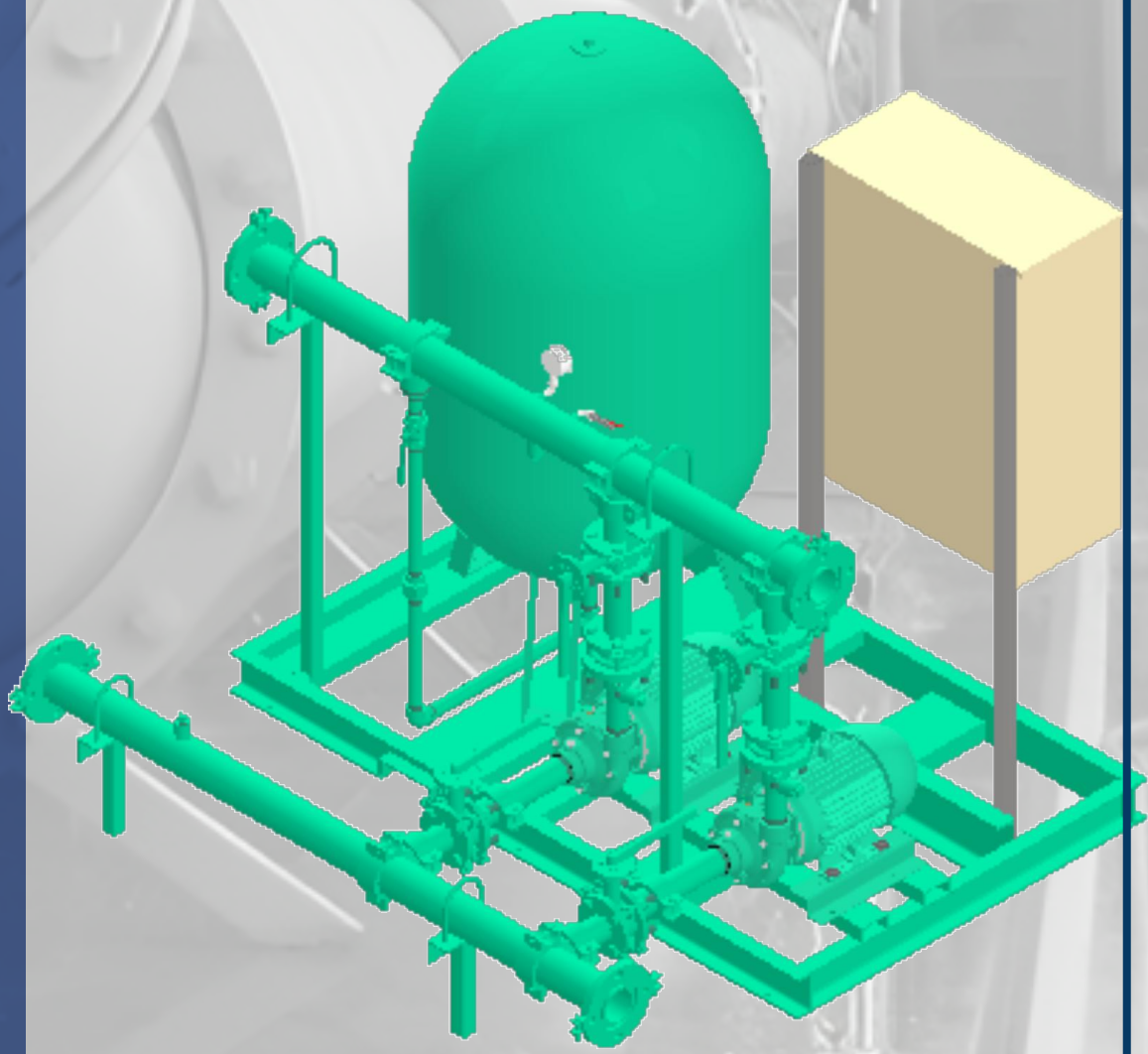
# BOOSTER SYSTEMS



# PERFORMANCE CURVE

| Operating Conditions | |
|---|---|
| Flow, rated | : 30.00 USgpm |
| Differential head / pressure, rated (requested) | : 143.0 ft |
| Differential head / pressure, rated (actual) | : 145.4 ft |
| Suction pressure, rated / max | : 0.00 / 0.00 bar.g |
| NPSH available, rated | : Ample |
| Site Supply Frequency | : 60 Hz |

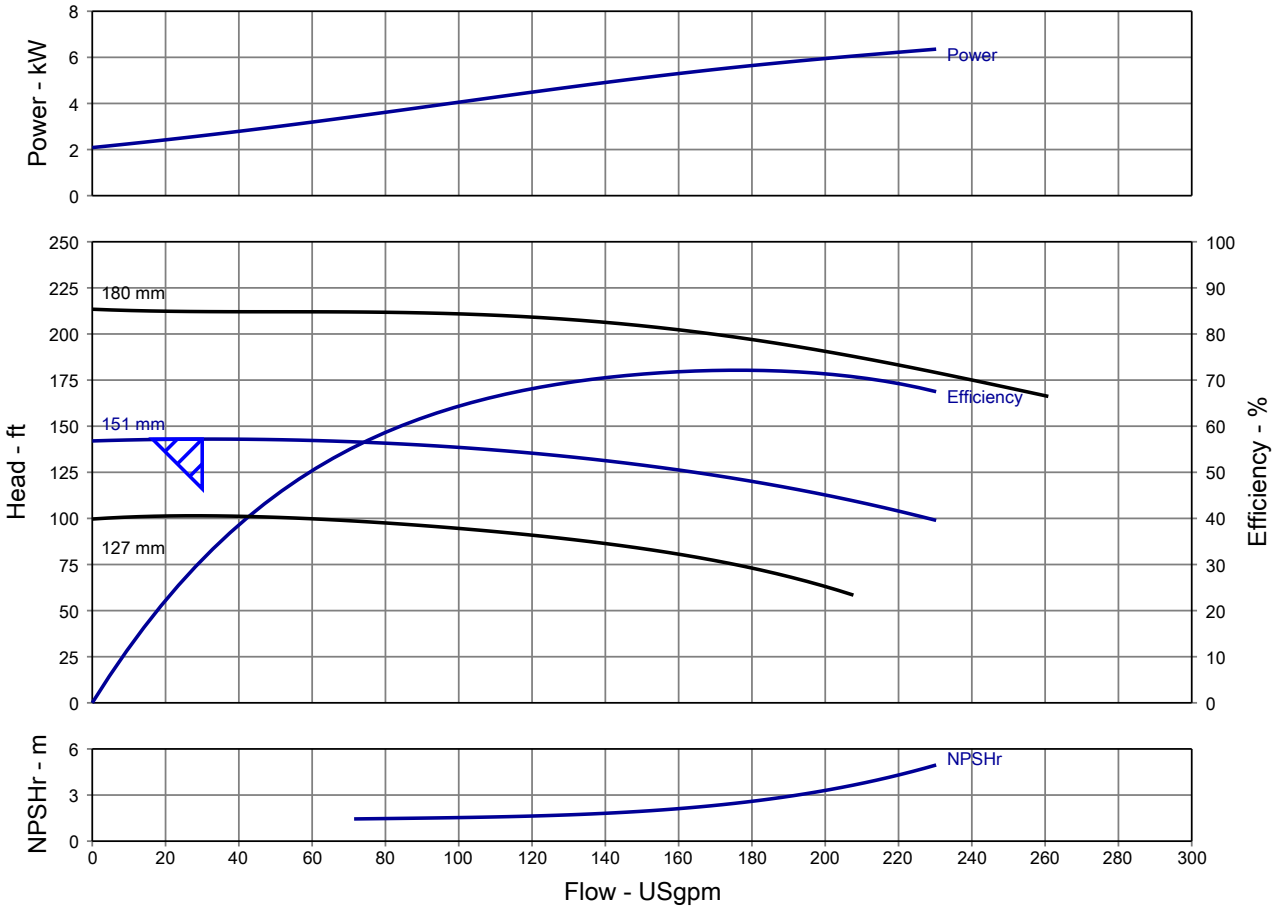
| Performance | |
|---|---|
| Speed criteria | : Synchronous |
| Speed, rated | : 3600 rpm |
| Impeller diameter, rated | : 151 mm |
| Impeller diameter, maximum | : 180 mm |
| Impeller diameter, minimum | : 127 mm |
| Efficiency | : 31.06 % |
| NPSH required / margin required | : - / 0.00 m |
| Ns (imp. eye flow) / Nss (imp. eye flow) | : 1,038 / 9,215 US Units |
| MCSF | : - |
| Head, maximum, rated diameter | : 143.0 ft |
| Head rise to shutoff | : -0.70 % |
| Flow, best eff. point | : 176.2 USgpm |
| Flow ratio, rated / BEP | : 17.02 % |
| Diameter ratio (rated / max) | : 83.63 % |
| Head ratio (rated dia / max dia) | : 67.41 % |
| Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010] | : 1.00 / 1.00 / 1.00 / 1.00 |
| Selection status | : Acceptable |

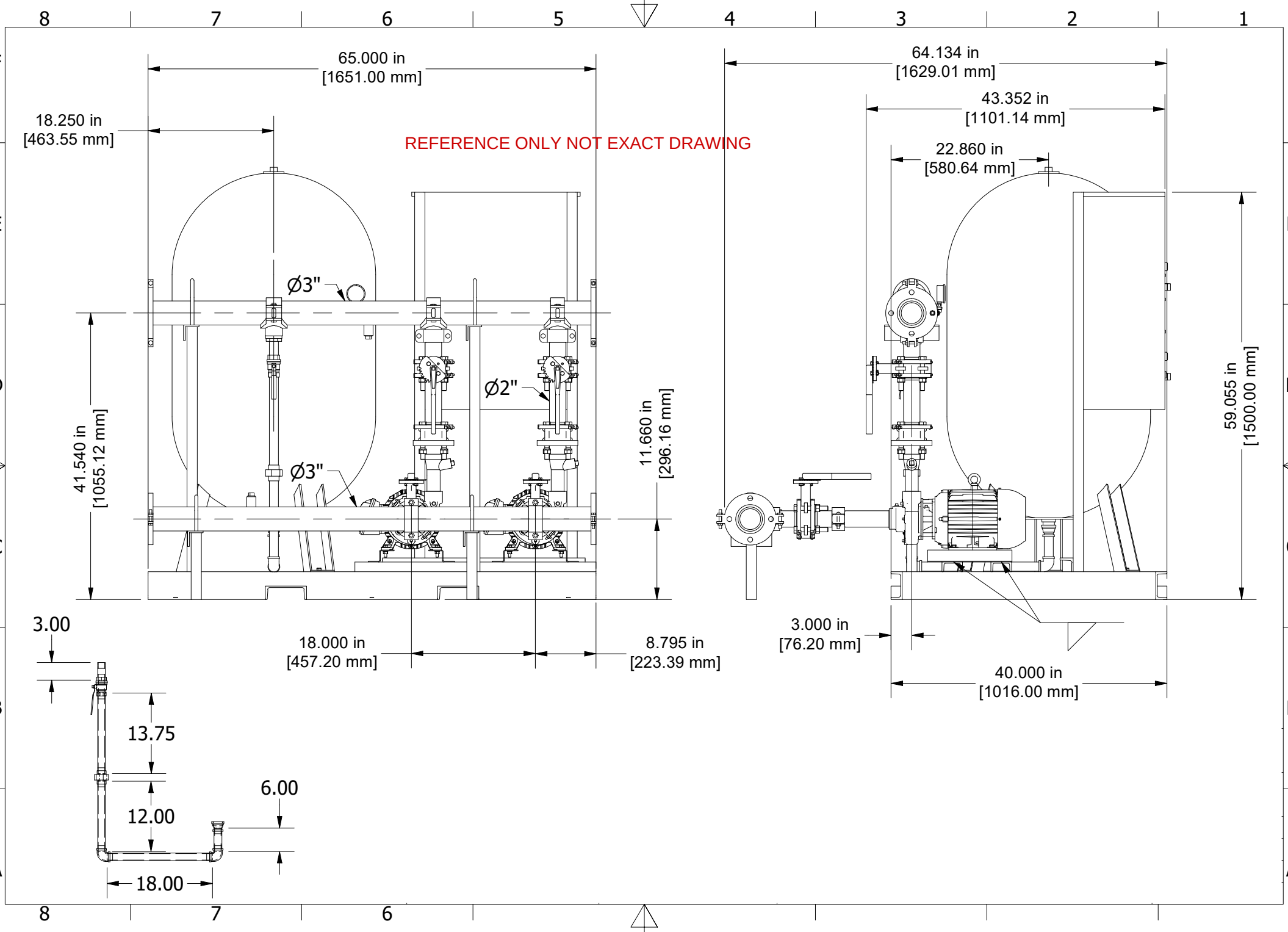
| Liquid | |
|---|---|
| Liquid type | : Chemical |
| Additional liquid description | : |
| Solids diameter, max | : 0.00 mm |
| Solids concentration, by volume | : 0.00 % |
| Temperature, max | : 20.00 deg C |
| Fluid density, rated / max | : 0.999 / 0.999 kg/dm3 |
| Viscosity, rated | : 1.00 cSt |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

| Material | |
|---|---|
| Material selected | : Standard |

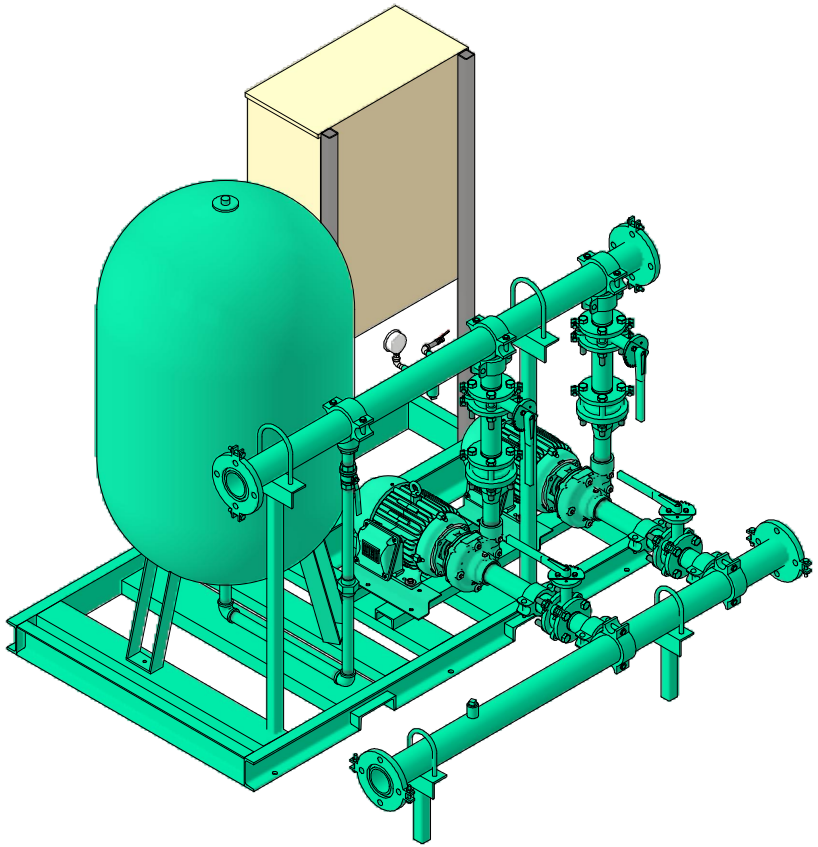
| Pressure Data | |
|---|---|
| Maximum discharge pressure | : 4.27 bar.g |
| Maximum allowable working pressure | : N/A |
| Maximum allowable suction pressure | : N/A |
| Hydrostatic test pressure | : N/A |

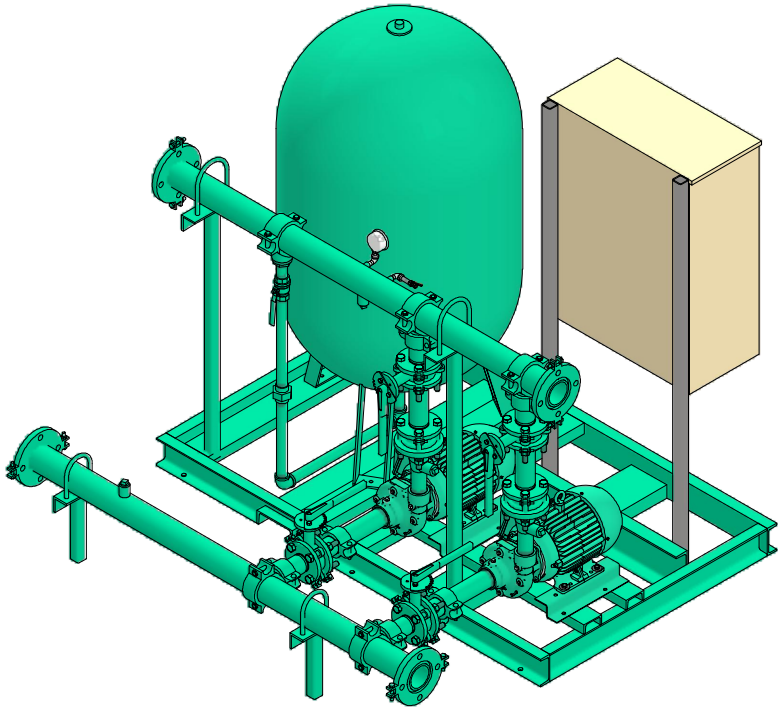
| Driver & Power Data (@Max density) | |
|---|---|
| Driver sizing specification | : Rated power |
| Margin over specification | : 0.00 % |
| Service factor | : 1.00 |
| Power, hydraulic | : 0.81 kW |
| Power, rated | : 2.60 kW |
| Power, maximum, rated diameter | : 6.36 kW |
| Minimum recommended motor rating | : 3.73 kW / 5.00 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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