

TYPES OF

EXHAUST

Fans & Selection



Important



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YOUTUBE ONLINE TRAINING CHANNEL

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Types Of Exhaust Fans



Sidewall Propeller



Centrifugal Upblast



Sidewall Propeller



Hood Propeller Fan



Centrifugal Inline



Centrifugal Roof Mounted



Utility Centrifugal



Commercial Centrifugal

Exhaust Fan Selection

Selection Parameter :

- Air Flow = CFM or LPS
- Static Pressure = Inch wg or Pascal

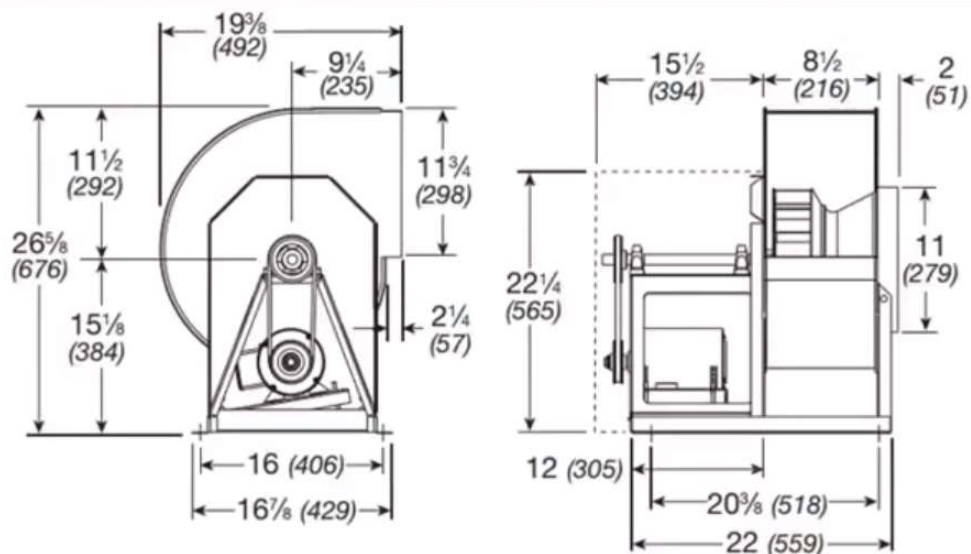
Example :

Utility Centrifugal Exhaust Fan

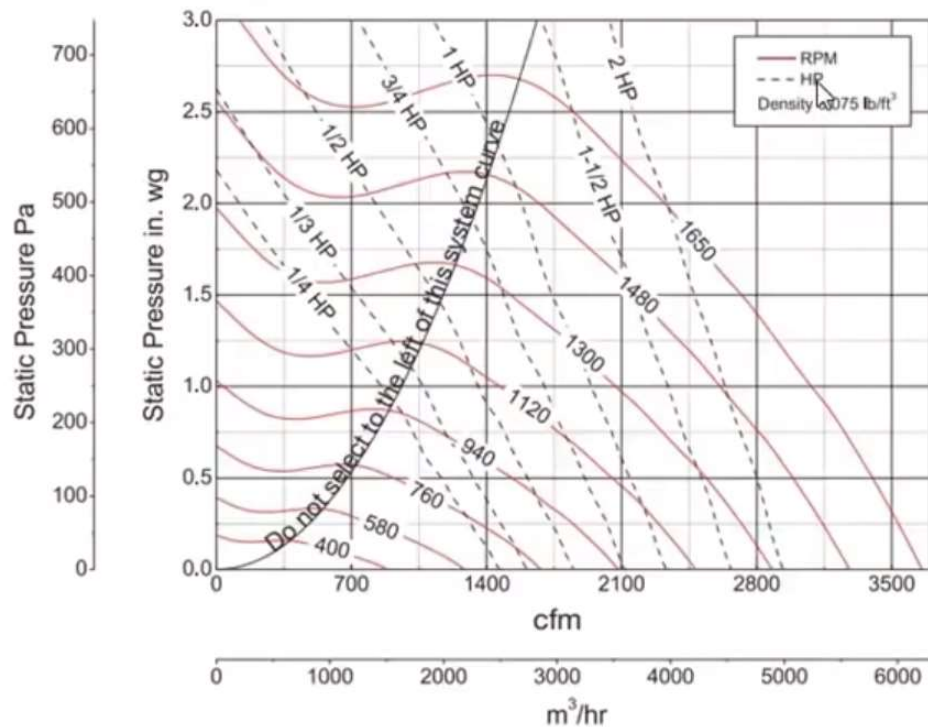
- AIR FLOW = 1500 CFM
- STATIC PRESSURE = 1.5 l.wg



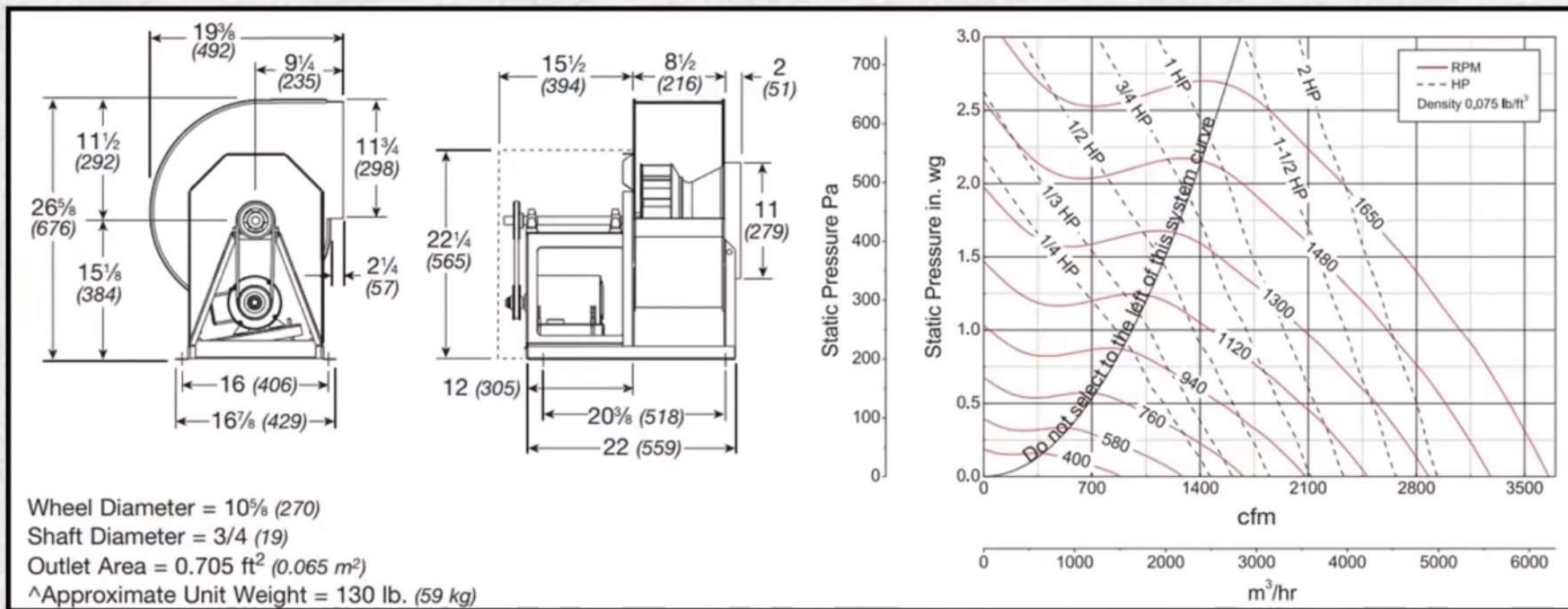
Exhaust Fan Selection



Wheel Diameter = $10\frac{5}{8}$ (270)
 Shaft Diameter = $\frac{3}{4}$ (19)
 Outlet Area = 0.705 ft^2 (0.065 m^2)
 ^Approximate Unit Weight = 130 lb. (59 kg)

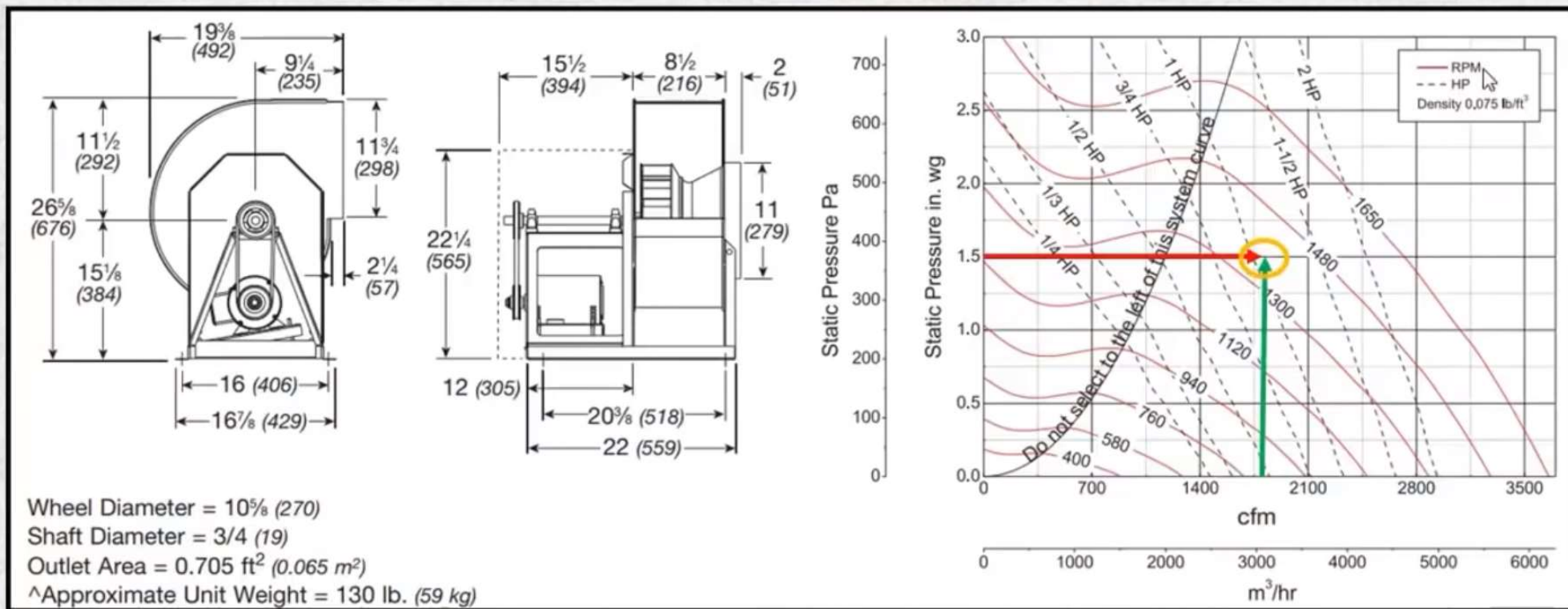


Exhaust Fan Selection



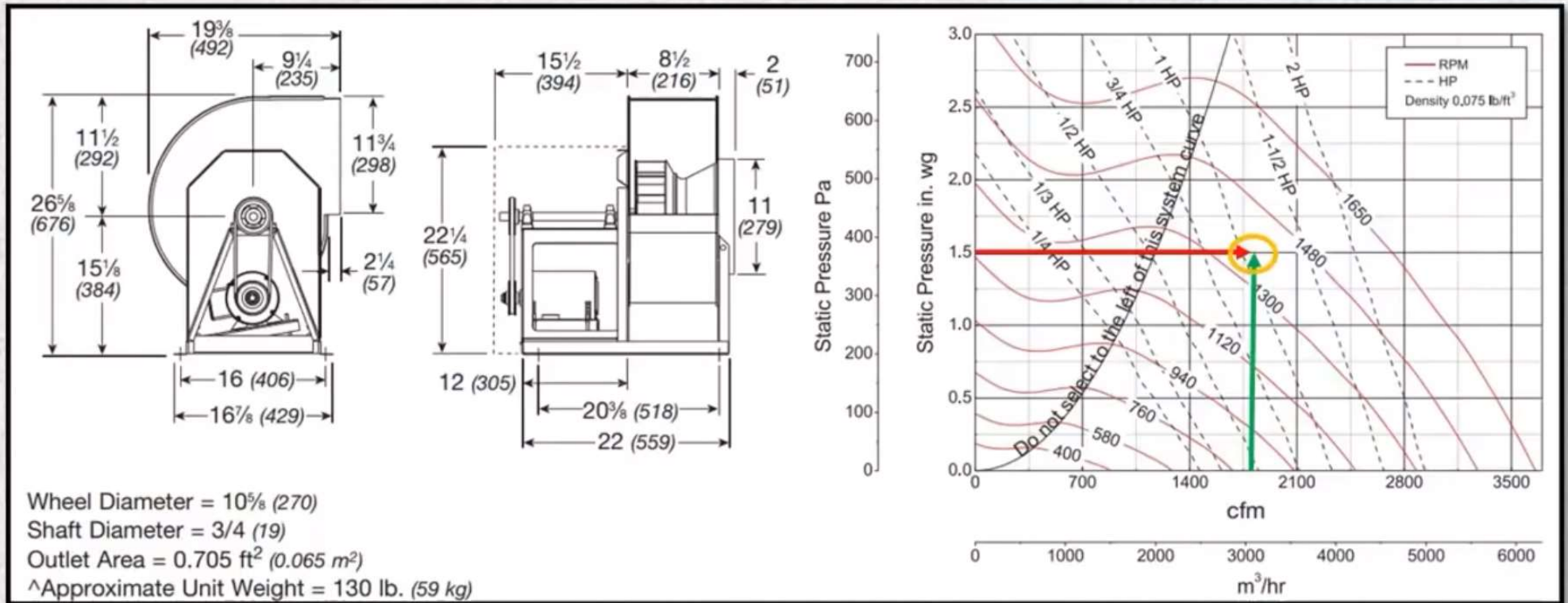
- Air Flow = 1500 CFM
- Static Pressure = 1.5 in.wg

Exhaust Fan Selection



- Air Flow = 1500 CFM
- Static Pressure = 1.5 In.wg

Exhaust Fan Selection



<input type="checkbox"/> Air Flow	= 1500 CFM	<input type="checkbox"/> Horse Power	= 1.5 HP
<input type="checkbox"/> Static Pressure	= 1.5 In.wg	<input type="checkbox"/> Speed	= 1480 RPM