

COST COMPARISONS (CHINESE YUAN)

NOREN'S HEAT EXCHANGER

vs.

AIR CONDITIONERS or COMPRESSED AIR

MODEL	<i>CC600F</i> <i>NOREN AIR-TO-AIR</i>	<i>CC3060</i> <i>NOREN AIR-TO-WATER</i>	<i>HOFFMAN CR290216G200</i> <i>AIR CONDITIONER</i>	<i>VORTEX#785 W/FILTER #7015-54</i> <i>COMPRESSED AIR COOLER</i>
<i>COOLING CAPACITY</i>	3300 (988 Watts) rated at 20°CΔT	9300 (2752 Watts) rated at 40°CΔT	2200 (644 Watts) net cooling output	2500 (732 Watts)
<i>OPERATING TEMPERATURE RANGE</i>	70°C ≥ T _{operating range} ≥ -30°C	70°C ≥ T _{operating range} ≥ 1°C	55°C ≥ T _{operating range} ≥ 10°C	52°C ≥ T _{operating range} ≥ 10°C
<i>SIZE (HxWxD)</i>	30" x 8-3/4" x 4"	30" x 8-3/4" x 4"	29-1/2" x 15-3/4" x 8-5/8"	10" x 1-3/4" Diameter
<i>WEIGHT</i>	14 lbs	35 lbs	98 lbs	5 lbs
<i>POWER DRAW</i>	70 Watts	35 Watts	851 Watts	N/A
<i>POWER REQUIRED</i>	0.6 amps	0.3 amps	7.4 amps	N/A
<i>ESTIMATED LIFE</i>	10+ years	10+ years	3 years	10+ years
<i>INITIAL INVESTMENT</i>	2016 LIST PRICE			
<i>PURCHASE PRICE</i>	¥9,671.50	¥8,504.25	¥20,190.09	¥5,802.90
<i>FREIGHT & HANDLING</i>	¥480.24	¥480.24	¥767.05	¥133.40
<i>INSTALLATION</i>	¥800.40	¥800.40	¥3,201.60	¥800.40
<i>TOTAL INITIAL COST</i>	¥10,952.14	¥9,784.89	¥24,158.74	¥6,736.70
<i>DUTY CYCLE</i>	65% Duty Cycle	23% Duty Cycle	100% Duty Cycle	88% Duty Cycle
<i>ENERGY COST (@1¥/kWh)</i>	¥398.60	¥70.50	¥7,454.80	¥40,403.00
<i>MAINTENANCE COST/YEAR</i>	¥440.22	¥360.18	¥533.60	¥266.80
<i>OPERATING COST/YEAR</i>	¥838.82	¥430.68	¥7,988.40	¥40,669.80
<i>INSTALLED COST (AMORTIZED OVER 3 YEARS)</i>	¥3,650.71	¥3,261.63	¥8,052.91	¥2,245.57
<i>TOTAL ANNUAL COST</i>	¥4,489.53	¥3,692.31	¥16,041.31	¥42,915.37

Noren Products manufactures heat exchangers in a variety of sizes and integrations. We offer UL Listed Certified Type 12, 3R, 4, 4X, and HazLoc ATEX / IECEx units.