

COST COMPARISONS (JAPANESE YEN)

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>
COOLING CAPACITY	3300 (988 Watts) rated at 20°CΔT	9300 (2752 Watts) rated at 40°CΔT	2200 (644 Watts) net cooling output	2500 (732 Watts)
OPERATING TEMPERATURE RANGE	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
SIZE (HxWxD)	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
WEIGHT	14 lbs	35 lbs	98 lbs	5 lbs
POWER DRAW	70 Watts	35 Watts	851 Watts	N/A
POWER REQUIRED	0.6 amps	0.3 amps	7.4 amps	N/A
ESTIMATED LIFE	10+ years	10+ years	3 years	10+ years
INITIAL INVESTMENT	2016 LIST PRICE			
PURCHASE PRICE	¥148,103.00	¥130,228.50	¥309,177.78	¥88,861.80
FREIGHT & HANDLING	¥7,354.08	¥7,354.08	¥11,746.10	¥2,042.80
INSTALLATION	¥12,256.80	¥12,256.80	¥49,027.20	¥12,256.80
TOTAL INITIAL COST	¥167,713.88	¥149,839.38	¥369,951.08	¥103,161.40
DUTY CYCLE	65% Duty Cycle	23% Duty Cycle	100% Duty Cycle	88% Duty Cycle
ENERGY COST (@28.00¥/kWh)	¥11,160.80	¥1,974.00	¥208,734.40	¥1,131,284.00
MAINTENANCE COST/YEAR	¥6,741.24	¥5,515.56	¥8,171.20	¥4,085.60
OPERATING COST/YEAR	¥17,902.04	¥7,489.56	¥216,905.60	¥1,135,369.60
INSTALLED COST (AMORTIZED OVER 3 YEARS)	¥55,904.63	¥49,946.46	¥123,317.03	¥34,387.13
TOTAL ANNUAL COST	¥73,806.67	¥57,436.02	¥340,222.63	¥1,169,756.73

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.

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