

Case study 2. Energy Saving Turbo Blower Energy Saving

Spec Equipment	Other	Hi-Core Turbo Blower
Type Blower	Roots Blower	Turbo Blower
Model	AWW-125A	HC75-06
Outlet Size (mm)	125 mm.	200 mm.
Flow (m3/min)	15.35 m3/min	51 m3/min
Pressure (mmAq)	4.5 mmAq	6 mmAq
Quantity	3 Unit	1 Unit
Operate	2 Unit	1 Unit
Power Consumtion/Unit	15 kw	55 kw
Tota Flow Consumtion	30.7 m3/min	51 m3/min
Total Power Consumption (actual use point)	24 kw	19.25 kw
Working hours per day (Day)	Energy Saveing	
Electricity charge (Baht/unit)	24 Hr	24 Hr
ค่าไฟต่อวัน	4.1 Baht	4.1 Baht
ค่าไฟต่อเดือน	2,361.60 Baht	1,894.20 Baht
ค่าไฟต่อปี +เงินลงทุนติดตั้ง	70,848.00 Baht	56,826.00 Baht
Energy Saving / Year	1,261,984.00 Baht	691,383.00 Baht
Electric Control Panel	0 Baht	570,601.00 Baht
Inverter	Control Panel	
PLC	Non	Yes
HMI (Touch screen)	Non	Yes
Electric Protechion	Non	Yes
Constant Power function	Non	Yes
Constant Speed funcion	Non	Yes
Constant Flow function	Non	Yes
Oil & Grease	Non	Yes
Filter	Non	Yes
Noise	Mainternace	
Varanty	Yes	Yes
Service	Yes	< 85
Price	85 >	2 Year
Payback Period	-	Free Mainternace 2 Year
		1,062,821.54 Baht
		1.9 Year