

規格標準管理明細																														
編號	45																													
規格標準分類	資訊產品類																													
環保標章規格標準	黑白影印機																													
版本	1.0.7																													
更新日期	2011/09/15																													
環保標章規格標準英文名稱	Monochromatic Copy Machines																													
產品相關標示	低污染及省能源																													
產品相關英文標示	Low Pollution and Energy Saving																													
規格標準內容	<div>中華民國94年2月5日行政院環境保護署環署管字第0940011035號公告</div> <div>1. 本影印機規格標準適用於碳粉使用填充方式之影印機，具備列印、掃描、傳真、影印等功能三項以上之產品，不適用本規格標準。</div> <div>2. 影印機機體臭氧之排放不得超過0.02mg／M3，測試方法如附件一。</div> <div>3. 影印機機體粉塵排放濃度不得超過0.125mg／M3，測試方法如附件二。</div> <div>4. 能源消耗之要求</div> <table><tr><td>列印速度（頁／分）</td><td>0-20</td><td>21-44</td><td>45以上</td></tr><tr><td>省能回復時間（秒）</td><td>-</td><td>30</td><td>30</td></tr><tr><td>省能狀態消耗電量（W）</td><td>-</td><td>3.85×每分鐘列印頁數+5</td><td>3.85×每分鐘列印頁數+5</td></tr><tr><td>關機狀態消耗電量（W）</td><td><5</td><td><10</td><td><15</td></tr><tr><td>自動關機預設時間值（分）</td><td>30</td><td>60</td><td>90</td></tr><tr><td>自動雙面影印模式</td><td>-</td><td>可設定</td><td>預設</td></tr></table> <div>5. 重量為25g或以上之塑膠組件應符合下列要求： (1)不得含有鎘、鉛、六價鉻及汞金屬。 (2)不得含有下列阻火物質(flame retardant)： A.多溴聯苯類(polybrominated biphenyls, PBBs) B.多溴聯苯醚類(polybrominated diphenylethers, PBDEs) monobrominateddiphenylether, dibrominated diphenylether, tribrominated diphenylether,tetrabrominated diphenylether, pentabrominated diphenylether, hexabrominated diphenylether, heptabrominated diphenylether,octabrominated diphenylether, nanobrominated diphenylether,decabrominated diphenylether. C.含10-13個碳原子之含氯鏈狀烴類化合物(chloroparaffins)且氯含量重量比超過50%（含）以上者</div> <div>6. 產品製造過程之任何程序中不得使用蒙特婁議定書之管制物質。</div> <div>7. 產品手冊及資訊文件中應記載： （1）臭氧排放符合標準，包括測試結果濃度。 （2）機體之噪音排放值包括使用狀態及待機狀態。</div> <div>8. 可使用回收紙混合率在60%(含)以上之再生紙。</div> <div>9. 標章使用者的名稱及住址須清楚記載於產品或包裝上。標章使用者若非製造者，製造者的名稱及住址須一併記載於產品或包裝上。</div> <div>10. 產品或包裝上需標示「低污染及省能源」。</div> <div>備註：<ul style="list-style-type: none">多溴聯苯類與多溴聯苯醚類阻火物質含量之檢測方法應為國際或國家或特定行業之標準方法如US EPA 3540C/8081A/8082A/8270D，其偵測極限應不大於5ppm。10-13個碳原子之含氯鏈狀烴類化合物含量之檢測方法，依優先順序，應為國際或國家或特定行業之標準，方法如US EPA 8270D/3540C/GC-MSD，其偵測極限應不大於5ppm。鎘、鉛、六價鉻及汞金屬含量之檢測方法，依優先順序，應為國際或國家或特定行業之標準方法，如US EPA 3050B/3051A/3052/3060A，其偵測極限應不大於2ppm。本項產品須經經濟部商品檢驗局EMC檢驗通過，始可提出申請。附件一upload/影印機測試條件_臭氧_.pdf附件二upload/影印機測試條件_粉塵_.pdf</div>			列印速度（頁／分）	0-20	21-44	45以上	省能回復時間（秒）	-	30	30	省能狀態消耗電量（W）	-	3.85×每分鐘列印頁數+5	3.85×每分鐘列印頁數+5	關機狀態消耗電量（W）	<5	<10	<15	自動關機預設時間值（分）	30	60	90	自動雙面影印模式	-	可設定	預設			
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規格標準英文內容	<div>1. Category products are meant to be carbon powder toner machines.</div> <div>2. Ozone released from the machines shall not exceed 0.02 mg/m3. The test method is given in Attachment No. 1.</div> <div>3. Particulates released from the machines shall not exceed 0.125 mg/m3. The test method is given in Attachment No. 2.</div> <div>4. The requirements for energy consumption of the machines are:</div> <table><tr><td rowspan="2"></td><th colspan="3">Printing speed (Page/min)</th></tr><tr><th>0-20</th><th>21-44</th><th>>45</th></tr><tr><td>Resumptive time from energy -saving mode(sec.)</td><td>--</td><td>30</td><td>30</td></tr><tr><td>Electricity consumption at energy – saving mode(W)</td><td>--</td><td>3.85 x printing speed +5</td><td>3.85 x printing speed +5</td></tr><tr><td>Electricity consumption at off mode (W)</td><td><5</td><td><10</td><td><15</td></tr><tr><td>Pre-set time for machine to turn off automatically (min.)</td><td>30</td><td>60</td><td>90</td></tr><tr><td>Mode of automatic dual side printing</td><td>--</td><td>Able to set</td><td>Present</td></tr></table> <div>5. Plastic components of the product weighting 25 g or greater shall meet the following requirements:<ul style="list-style-type: none">shall not contain cadmium, lead, chromium (+6) or mercury;shall not contain the following flame retardants:<ul style="list-style-type: none">polybrominated biphenyls, (PBB);</div>				Printing speed (Page/min)			0-20	21-44	>45	Resumptive time from energy -saving mode(sec.)	--	30	30	Electricity consumption at energy – saving mode(W)	--	3.85 x printing speed +5	3.85 x printing speed +5	Electricity consumption at off mode (W)	<5	<10	<15	Pre-set time for machine to turn off automatically (min.)	30	60	90	Mode of automatic dual side printing	--	Able to set	Present
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- polybrominated diphenylethers, (PBDE): monobrominated diphenylether, dibrominated diphenylether, tribrominated diphenylether, tetrabrominated diphenylether, pentabrominated diphenylether, hexabrominated diphenylether, heptabrominated diphenylether, octabrominated diphenylether, nanobrominated diphenylether, decabrominated diphenylether.
 - long-chained chloroparaffins with 10-13 carbon atoms per The product and its manufacturing process shall not contain or use substances controlled by the Montreal Protocol.
6. No CFCs shall be used in the production process of these copy machines.
 7. The following information shall be given in the user's manual and other relevant documents;
 - 7.1Ozone concentration which is shown in the test report to prove that the ozone discharge meet the product criteria.
 - 7.2The noise level in both operation and idle modes.
 8. The machines shall be able to user recycled paper with a recycle paper content of no less than 60%.
 9. The name and address of the "Green Mark" user must be clearly printed on the product or on the package. For non-manufacturer users, the manufacturer's name and address shall also be shown.
 10. The product or the package shall bear a label reading "Low Pollution and Energy Saving"

Remark:

1. The determination of polybrominated biphenyls and polybrominated diphenylethers flame retardants should be based on international, national or specific industry standards, such as the US EPA 3540C/8081A/8082A/8270D, and the detection limits should be no greater than 5 ppm.
2. The determination of long-chained chloroparaffins with 10-13 carbon atoms per molecule should be based, in the order of preference, on international, national or specific industry standards, such as the US EPA 8270D/3540C/GC-MSD, and the detection limits should be no greater than 5 ppm.
3. The determination of cadmium, lead, chromium (+6) and mercury, should be based, in the order of preference, on international, national or specific industry standards, such asUS EPA 3050B/3051A/3052/3060A, and the detection limits should be no greater than 2 ppm.
4. EMC certification is requested.(Approved on July 23 1998)