

附表3

緊急發電設備輸出量計算表 (發電機)		
RG1	$= 1.47D \cdot Sf = 1.47 \times \text{④①} \times \text{④②} = \text{③②}$ $\Delta P = A + B - 2C = \text{②⑨} + \text{③⑦} - 2 \times \text{③①} = \text{③②}$ $Sf = 1 + 0.60 \quad \Delta P/K = 1 + 0.60 \times \text{③②} / \text{⑧} = \text{④②} \quad \Delta P/K = \text{ } \leq 0.3$	RG1 ④③
RG2	有無 EV $= \frac{1 - \Delta E}{\Delta E} \cdot x_d' g \cdot \frac{k_s}{Z'_m} \cdot \frac{M_2}{K} = \frac{1 - \text{④④}}{\text{④④}} \times \text{④⑤} \times \text{④⑥} \times \frac{\text{④②}}{\text{⑧}} =$	RG2 ④⑦
RG3	有無 $= \frac{f_{v1}}{KG_3} \left\{ 1.47d + \left(\frac{k_s}{Z'_m} - 1.47d \right) \frac{M_3}{K} \right\}$ $= \frac{\text{③⑥}}{\text{③⑦}} \times \left\{ 1.47 \times \text{④⑧} + \left(\text{④⑧} - 1.47 \times \text{④⑧} \right) \frac{\text{④②}}{\text{⑧}} \right\} =$	RG3 ⑤①
RG4	$= \frac{1}{KG_4} \sqrt{\left(0.432 \frac{R}{K} \right)^2 + \left(1.23 \frac{\Delta P}{K} \right)^2 (1 - 3u + 3u^2)}$ $= \frac{1}{\text{③①}} \sqrt{\left(0.432 \times \frac{\text{②④}}{\text{⑧}} \right)^2 + \left(1.23 \times \frac{\text{③②}}{\text{⑧}} \right)^2 (1 - 3 \times \text{⑤②} + 3 \times \text{⑤③})} =$ $u = \frac{A - C}{\Delta P} = \frac{\text{②⑨} - \text{③①}}{\text{③②}} = \text{⑤②} \quad u^2 = \text{⑤③}$	RG4 ⑤④
RG	RG1、RG2、RG3、RG4中最大值 RG=RG	RG ⑤⑤
發電機額定輸出G (kVA)	RG × K = ⑤⑤ × ⑧ = ⑤⑥ kVA	→ ⑤⑦ kVA

備考 1. 有EV時，ΔE爲0.2以下。
2. 有EV時 f_{v1}=1.0；無EV時 f_{v1}參照係數表2-1。