

回路図
Circuit Diagram

The diagram illustrates a three-phase transformer. The primary side (PRI.) consists of three windings connected in a delta configuration. Each winding has a primary voltage of 380V and a secondary voltage of 400V. The secondary side (SEC.) consists of three windings connected in a star configuration. Each winding has a primary voltage of 200V and a secondary voltage of 220V. The secondary windings are connected to a common neutral point, which is grounded. The secondary output voltages are labeled U, V, and W, and the corresponding phase voltages are labeled u, v, and w.

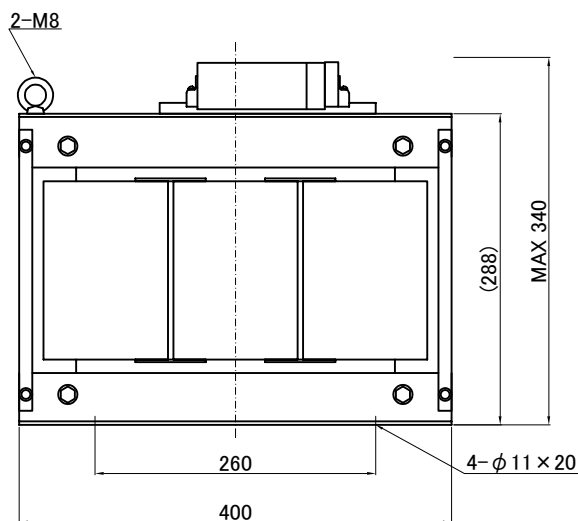
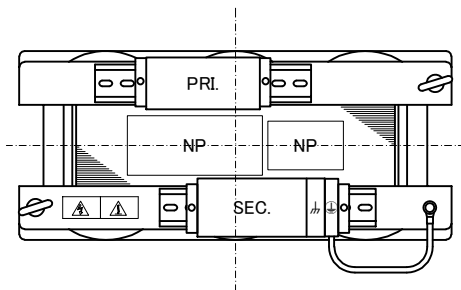
PRI.

U	380	400	V	PRI	380	400	W	380	400
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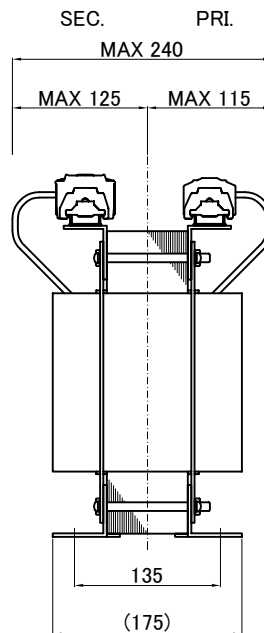
SEC.

u	200	220	v	200	SEC	220	w	200	220	N	$\frac{1}{2}$	$\frac{1}{2}$
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PRI.	FPS(FP)-40	9P	M4 (1.2~1.8N・m)
SEC.	FPS(FP)-80	7P	M5 (2.0~3.0N・m)
	FPS(FP)-80	1P	M5 (2.0~3.0N・m)
	TFE40	1P	M4 (1.4~1.8N・m)



仕 様 Specification			
定 格	連 続	結 線	Δ - 
Rating	Cont.	Connection	
容 量 Capacity		5.2 kVA	
相 数 Phase	3~	周波数 Frequency	50/60Hz
1次電圧 Primary Volt.		380/400V	
2次電圧 Secondary Volt.		200/220V	
2次電流 Secondary Curr.		15/13.6A	
絶縁抵抗 Insulation Resistance			
P-E P-S S-E		100M Ω Min. at DC500V	
絶縁耐圧 Dielectric Withstand Volt.			
P-E		AC 60Hz 4.0kV / 1min.	
P-S		AC 60Hz 5.0kV / 1min.	
S-E		AC 60Hz 2.5kV / 1min.	
トランス質量 Transformer Mass		60kg	
絶縁種別 Insulation Class		Class 180(H)	
定格周囲温度 Ambient Temp.		40℃	
適用規格 Standard		UL1561 C22.2 No. 47-M90 EN61558-1, EN61558-2-4 IEC61558-1, IEC61558-2-4 BS EN IEC 63000	
ULファイルNo. UL File No.		E258403	
EN, IECマーク EN, IEC Mark		Non short circuit proof isolating transformer 	
推奨保護装置定格 Recommended protection device rating			
		Pri. Circuit Breaker 15A Sec. Circuit Breaker 15A (IEC60947-2 or IEC60934)	



質量は標準仕様の値を記入しており、実測値と異なる場合もあります。

IMAI ELECTRIC
今井電機株式会社

設計 DESIGNED DATE 13.01.24	品名 DESCRIPTION Dry type Isolating Transformer		摘要 REMARKS
DRAWN N.Marukai	尺度 SCALE 単位 UNIT mm	型 名 MODEL	IEH3-DYB5200S-303
APPROVED S.Murakami	表面処理 FINISH	図 番 DWG NO.	SDYB5200S303 改訂 Ver. 5