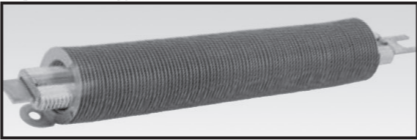
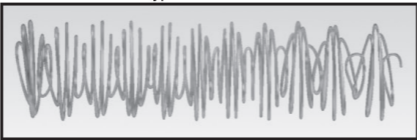


Dynamic Braking Resistors

SPECIFICATIONS

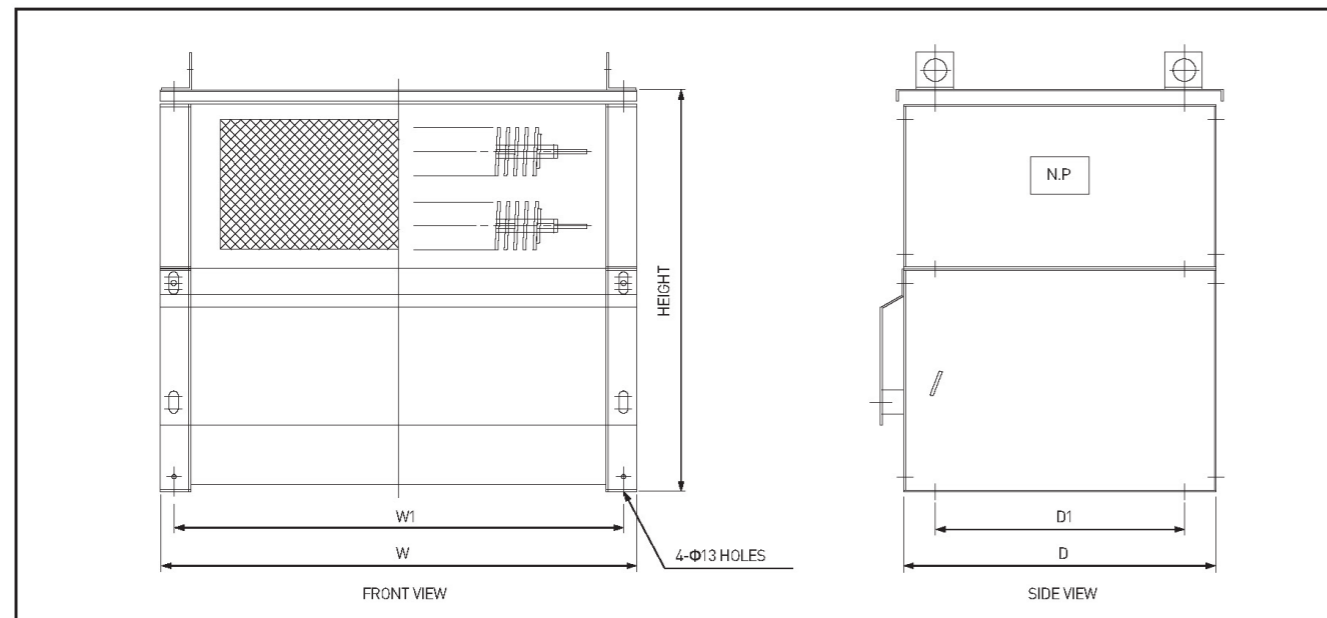
Model	Power Rating With Fan	Power Rating Free Air	Resistance Range[Ω]	Tolerance(%)	Edge Wound Type
DBRI-EW 16K	9.6 kW	8 kW	2 ~ 40	J [±5] K [±10]	
DBRI-EW 30K	18 kW	15 kW	2 ~ 12		
DBRI-EW 40K	24 kW	20 kW	2 ~ 20		
DBRI-EW 50K	30 kW	25 kW	3 ~ 20		
DBRI-EW 70K	40 kW	35 kW	3 ~ 40		
DBRI-EW 100K	60 kW	50 kW	5 ~ 40		
DBRI-HW 16K	9.6 kW	8 kW	3 ~ 65		Heli-Wire Wound Type
DBRI-HW 30K	18 kW	15 kW	3 ~ 30		
DBRI-HW 40K	24 kW	20 kW	3 ~ 50		
DBRI-HW 50K	30 kW	25 kW	5 ~ 50		
DBRI-HW 70K	40 kW	35 kW	10 ~ 70		
DBRI-HW 100K	60 kW	50 kW	10 ~ 150		
DBRI-VW 16K	9.6 kW	8 kW	1 ~ 9.5	V-W Grid Type	
DBRI-VW 30K	18 kW	15 kW	1.2 ~ 10		
DBRI-VW 40K	24 kW	20 kW	1.2 ~ 18		
DBRI-VW 50K	30 kW	25 kW	1.5 ~ 20		
DBRI-VW 70K	40 kW	35 kW	1.5 ~ 35		
DBRI-VW 100K	60 kW	50 kW	1.5 ~ 40		

* DBRI-EW: Edge wound type (Inductive)
 DBRI-HW: Heli-wire wound type (Inductive)
 DBRI-VW: V-W grid type (Non-Inductive)
 * The DBRI is for indoor use; DBRO is for outdoor use.
 The DBRO internal structure is the same as the DBRI
 The DBRO has a watertight external structure
 * The Power rating is based on a 375℃ rise above an ambient of 40℃

* Fan equipped models have different dimensions
 (Check with RARA for details)
 * Power increases of up to 100% are possible with some fan equipped models with corresponding increases in dimensions)
 (Check with RARA for details)

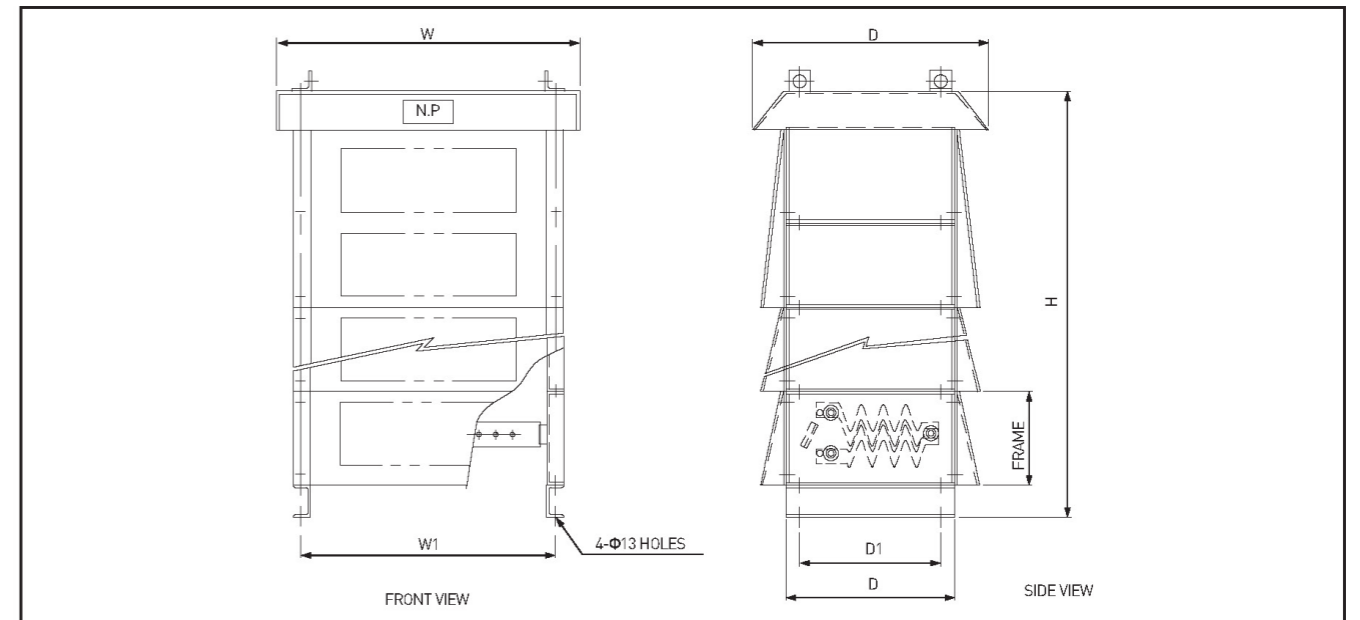
DIMENSIONS [mm] FOR INDOOR TYPES

Model	Approx. Weight(kg)	Dimensions [mm]				
		W	W1	D	D1	H
DBRI-EW, HW, VW 16K	26	640	605	420	335	320
DBRI-EW, HW, VW 30K	55	640	605	420	335	540
DBRI-EW, HW, VW 40K	64	640	605	420	335	540
DBRI-EW, HW, VW 50K	80	640	605	420	335	760
DBRI-EW, HW, VW 70K	120	640	605	420	335	1200
DBRI-EW, HW, VW 100K	235	640	605	840	755	980 / 1200



DIMENSIONS [mm] FOR OUTDOOR TYPES

Model	Approx. Weight(kg)	Dimensions [mm]				
		W	W1	D	D1	H
DBRO-EW, HW, VW 16K	32	720	605	560	335	390
DBRO-EW, HW, VW 30K	60	720	605	560	335	590
DBRO-EW, HW, VW 40K	72	720	605	560	335	590
DBRO-EW, HW, VW 50K	87	720	605	560	335	790
DBRO-EW, HW, VW 70K	130	720	605	560	335	1190
DBRO-EW, HW, VW 100K	250	720	605	980	755	1190



CHARACTERISTICS

Insulating Resistance	Minimum.100MΩ
Dielectric Withstanding Voltage	AC 2000V/minimum
Allowable Temp. Rise	375℃

ORDERING PROCEDURE EXAMPLE

