

ONE-PIECE BAND HEATERS

4 & 6 cm (1½ & 2½") Wide

DB/DBW Series

- ✓ Rugged, Reliable, Heavy Duty
- ✓ 13 to 32 cm (5 to 12½") Barrel Diameter
- ✓ Barrel Temperatures Up to 482°C (900°F)

APPLICATIONS

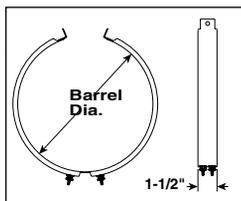
- ✓ Heating barrels of plastic injection molding machines and extruders
- ✓ Die and die holder heating of plastic extruders and blow molding machines
- ✓ Any application requiring heat applied to a cylindrical surface
- ✓ Burn-out ovens
- ✓ Heated kettles
- ✓ Fluidized beds
- ✓ Heat treating pipes
- ✓ Autoclaves



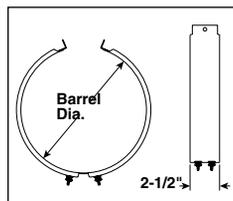
DBW-064152 shown smaller than actual size.



DB-050772 shown smaller than actual size.



DB Dimensions



DBW Dimensions

FEATURES

Ten times the life—only slightly higher cost. This economical long life heavy duty band heater has a 3/8" thick chrome steel (stainless) sheath, which offers ten times the life of a mica band heater at only a slightly higher cost than mica, and considerably lower than ceramic band and aluminum shoe designs.

Flexible one-piece construction for easy installation and removal.

The unheated section between heated halves functions as a hinge and permits repeated opening and closing for moving heaters from one application to another. The heavy duty spring loaded clamping bolt pulls the heater tight to the work and maintains tightness by compensating for expansion.

Heavy duty – uses a pair of formed 240V OMEGALUX® PT series strip heaters.

Spring loaded – for tight fit with Inconel-x spring and nickel-plated clamping bolts and nuts—maintains tightness.

Uniform high temperature capability. Highly compacted refractory insulation assures efficient heat transfer, therefore lower resistance wire temperatures.

SPECIFICATIONS

Power: 240/480V**

Wattage: 750 to 3250 watts

Sheath Material: Chrome Steel

Maximum Sheath Temperature: 649°C (1200°F)

To Order

Watts	W/In ²	Barrel Dia. cm (in)	Model No.	Wt. kg (lb)
DB- 4 cm (1½"), 240/480 volts**				
770	33	13 (5)	DB-050772	0.7 (1.50)
1000	42	14 (5½)	DB-054102	0.8 (1.75)
750	27	15 (6)	DB-060752	0.9 (2.00)
1000	33	17 (6½)	DB-064102	0.9 (2.00)
1000	30	18 (7)	DB-070102	0.9 (2.00)
1250	35	19 (7½)	DB-074122	0.9 (2.00)
1200	32	20 (8)	DB-080122	0.9 (2.00)
1600	40	22 (8½)	DB-084162	1.1 (2.50)
1500	35	23 (9)	DB-090152	1.1 (2.50)
1700	38	24 (9½)	DB-094172	1.4 (3.00)
1800	38	25 (10)	DB-100182	1.4 (3.00)
1200	24	27 (10½)	DB-104122	1.4 (3.00)
2100	39	29 (11½)	DB-114212	1.4 (3.00)
1500	25	32 (12½)	DB-124152	1.4 (3.00)
DB- 6 cm (2½"), 240/480 volts**				
1525	30	17 (6½)	DBW-064152	1.7 (3.75)
1800	31	19 (7½)	DBW-074182	1.7 (3.75)
2000	35	20 (8)	DBW-080202	1.7 (3.75)
2250	34	22 (8½)	DBW-084222	1.7 (3.75)
2500	35	23 (9)	DBW-090252	1.7 (3.75)
2800	36	25 (10)	DBW-100282	1.7 (3.75)
2950	36	27 (10½)	DBW-104292	1.7 (3.75)
3250	36	29 (11½)	DBW-114322	1.8 (4.00)

** The two 240V strip heating elements must be wired in series for 480V.

Note: Watt densities are based on heated area of contact surface only.