



Pneumatic Barring Motors

B006 and T480 Series



Ingersoll Rand Industrial Technologies provides products, services, and solutions to enhance the efficiency and productivity of our commercial, industrial, and process customers. Our innovative products include air compressors, air systems components, tools, pumps, material and fluid handling systems, and microturbines.

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Safe, precise control at every turn

Service work on diesel and gas engines is easier and safer with Ingersoll Rand B006 and T480 Series pneumatic barring motors. These highly reliable, precisely controlled motors enable you to turn engines over slowly and stop them securely for greater peace of mind and productivity.

These barring motors are lightweight and portable, which means you can move them from engine to engine, or mount them permanently. Since they are powered by compressed air, these motors are well suited for field applications, hazardous environments, and are perfect solutions for all service applications.

- Timing adjustments
- Valve adjustments
- Coupling adjustments
- Routine and unscheduled maintenance

Features and Benefits

- Reversible vane air motor for precise control
- Rugged design provides maximum durability and dependability
- Pendant control enables safer one-person operation

B006



- 90 psig air operation produces more than 150 ft-lb of torque
- For diesel engines with displacements up to 100 liters and gas engines up to 200 liters

T480



- For diesel engines with displacements up to 500 liters and gas engines up to 1000 liters
- 90 psig air operation produces more than 300 ft-lb of torque
- Integral disc brake is always engaged when motor is not in operation to ensure safer, easier engine adjustments



B006 Series

Model	Flange	Weight lb	kg	Max Pressure (motor inlet) psi	bar	Torque (breakaway) ft-lb	Nm	Speed at Max Power rpm	Description
B006PVR374-01**	01	19	9	90	6	152	207	23	Barring motor only
B006PVR374-03**	03	19	9	90	6	152	207	23	Barring motor only
B006PVR374-01-**-P	01	25	11	90	6	152	207	23	Barring motor with pendant control
B006PVR374-03-**-P	03	25	11	90	6	152	207	23	Barring motor with pendant control

**Pinion configurations: 15, 29, 31, 77, 79, 85, 94, 893, 895, 942. Additional flange and pinion configurations available upon request

T480 Series

Includes integral brake

Model	Flange	Weight lb	kg	Max Pressure (motor inlet) psi	bar	Torque (breakaway) ft-lb	Nm	Speed at Max Power rpm	Description
T480PVRP-03**	03	58	26	90	6	322	438	65	Barring motor only
T480PVRP-03-**-P	03	69	31	90	6	322	438	65	Barring motor with pendant control

**Pinion configurations: 25, 29, 31, 83, 85, 87, 94, 893, 895, 942. Additional flange and pinion configurations available upon request

Accessories

Model	Description
PB006-15K	B006 pendant control & 2 hoses (15'/4.6m each)
PB006-30K	B006 pendant control & 2 hoses (30'/9m each)
43551-2	Muffler for B006
PT480-15K	T480 pendant control & 3 hoses (15'/4.6m each)
PT480-30K	T480 pendant control & 3 hoses (30'/9m each)
3BM-A674	Muffler for T480

