



## Arctic 59® Series 3.3" ECM Direct-Drive Blower Motors

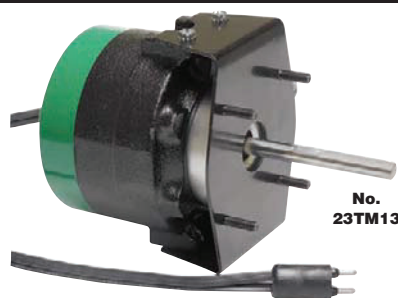
- Enclosure: totally enclosed air-over
- Thermal protection: electronic
- Insulation: Class B
- Mounting: stud
- Bearings: ball
- Max. ambient temp.: 40°C
- Shaft orientation: all-angle
- Plug type: round 2-pin

Feature higher efficiency than standard induction motors for greater energy savings. Can maintain the rated rpm (±6%) independent of static pressure for better air distribution through the refrigeration area. Can be used for replacing shaded pole, PSC, and ECM motors. Suitable for evaporator fan motors used in beverage merchandisers, display cases, freezers, ice machines, vending machines, and walk-in coolers. UL Recognized.



HP	Nameplate RPM	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	CLOCKWISE LEAD END Item No.	COUNTER CLOCKWISE LEAD END Item No.
1/5	1550	115	1.1	5/16"	1"	3 1/4"	25TU28 *	25TU25
	1550	115	1.1	5/16"	2 1/2"	3 1/4"	25TU24	25TU25
	1550/800	115	1.1	5/16"	2 1/2"	3 1/4"	40TL72	40TL71
	1550	208-230	0.60-0.60	5/16"	1"	3 1/4"	25TU33 *	25TU30 *
1/15	1550	208-230	0.60-0.60	5/16"	2 1/2"	3 1/4"	25TU29 *	25TU30 *
	1550/800	208-230	0.63	5/16"	2 1/2"	3 1/4"	40TL69	40TL70

\* Front and rear mounting. † Front mounting only.



## 3.3" EC Walk-In Cooler Evaporator Motors

- Enclosure: totally enclosed air-over
- Thermal protection: auto
- Insulation: Class B
- Mounting: stud
- Bearings: unit
- Max. ambient temp.: 40°C
- Shaft orientation: horizontal or vertical shaft down
- Plug type: round 2-pin

Nos. 23TM13 and 23TM14 are counter clockwise lead end and No. 23TM16 is clockwise lead end, featuring higher efficiency than standard induction motors for greater energy savings. Can maintain the rated rpm (±6%) independent of static pressure for better air distribution through the refrigeration area. Motors can be used for replacing shaded pole, PSC, and ECM motors. Suitable for condenser and evaporator fan motors used in display cases, ice machines, beverage merchandisers, vending machines, walk-in coolers, and freezers. UL and C-UL Recognized.



HP	Nameplate RPM	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Item No.
1/5	1550	115	1.2	5/16"	2.6"	3 1/2"	23TM13
	1550	115	1.2	5/16"	2.6"	3 1/2"	23TM16
	1550	230	0.77	5/16"	2.6"	3 1/2"	23TM14



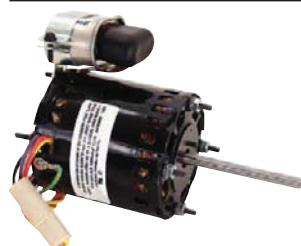
## 3.3"-Dia. PSC Motors

- Thermal protection: auto
- Service factor: 1.0
- Insulation: Class B
- Mounting: stud
- Bearings: ball
- Max. ambient temp.: 40°C
- Duty: continuous

Deliver higher performance, efficiency, and starting torque than standard 3.3" shaded pole motors. Quick-reversing plug. Studs on both endshields and longer shaft for replacing many OEM motors from Chandler, Climate Control, Heatcraft, Larkin, and others. UL Recognized and CSA Certified.

HP	Nameplate RPM	Rotation	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Cord Length	Item No.
<b>Open Air-Over</b>									
1/100	1550	CW/CCW	120	0.22	1/4"	1 1/2"	4"	20"	20HN87 †#
	1550	CW/CCW	120	0.30	1/4"	1 1/2"	4"	20"	20HN88 †#
	1550	CW/CCW	120	0.35	1/4"	1 1/2"	4"	20"	20HN89 †#
	1550	CW/CCW	120	0.37	1/4"	1 1/2"	4"	20"	20HN90 †#
1/50	1550	CW/CCW	120	0.50	1/4"	1 1/2"	4"	20"	20HN91 †#
	1550	CW/CCW	120	0.59	1/4"	1 1/2"	4"	20"	20HN92 †#
	3000	CW/CCW	115	0.63	5/16"	2 1/2"	3 1/4"	20"	6NZP6
	1550	CW/CCW	115	0.80	5/16"	2 1/2"	3 1/4"	20"	3RCX2
1/20	1550	CW/CCW	208-230	0.40-0.38	5/16"	2 1/2"	3 1/4"	20"	3RCX8 †
	1550	CW/CCW	120	0.73	1/4"	1 1/2"	4"	20"	20HN93 †#
	3000	CW/CCW	208-230	0.41-0.36	5/16"	2 1/2"	3 1/4"	20"	6NZR0 †
	1625	CWSE	115	1.00	5/16"	2 1/4"	5"	12"	3M499 *
1/15	1550	CW/CCW	115	1.0	5/16"	2 1/2"	3 1/4"	20"	3RCX3
	1550	CW/CCW	208-230	0.50-0.46	5/16"	2 1/2"	3 1/4"	20"	3RCX9 †
	1550	CW/CCW	120	0.93	1/4"	1 1/2"	4 1/4"	20"	20HN94 †#
	3000	CW/CCW	115	1.2	5/16"	2 1/2"	4 1/4"	20"	6NZP8
1/10	1550	CW/CCW	115	1.4	5/16"	2 1/2"	4 1/4"	20"	3RCX4
	1550	CW/CCW	120	1.5	1/4"	1 1/2"	4 1/4"	20"	20HN95 †#
<b>Totally Enclosed Air-Over</b>									
1/100	1550	CW/CCW	120	0.21	1/4"	1 1/2"	4"	20"	20HN78 †#
	1550	CW/CCW	120	0.27	1/4"	1 1/2"	4"	20"	20HN79 †#
	1550	CW/CCW	120	0.32	1/4"	1 1/2"	4"	20"	20HN80 †#
	1550	CW/CCW	120	0.37	1/4"	1 1/2"	4"	20"	20HN81 †#
1/50	1550	CW/CCW	120	0.54	1/4"	1 1/2"	4"	20"	20HN83 †#
	3000	CW/CCW	208-230	0.32-0.29	5/16"	2 1/2"	3 1/4"	20"	6NZR8 †
	1550	CW/CCW	115	0.70	5/16"	2 1/2"	3 1/4"	20"	3RCX5
	3000	CW/CCW	115	0.80	5/16"	2 1/2"	3 1/4"	20"	6NZR3
1/15	3000	CW/CCW	208-230	0.40-0.38	5/16"	2 1/2"	3 1/4"	20"	6NZR6 †
	1550	CW/CCW	208-230	0.50-0.45	5/16"	2 1/2"	3 1/4"	20"	3RCY3
	1550	CW/CCW	120	0.85	1/4"	1 1/2"	4 1/4"	20"	20HN85 †#
	3000	CW/CCW	208-230	0.62-0.56	5/16"	2 1/2"	4 1/4"	20"	6NZR7 †
1/10	1550	CW/CCW	120	1.4	1/4"	1 1/2"	4 5/8"	20"	20HN86 †#
<b>Totally Enclosed Fan-Cooled</b>									
1/8	3000	CW/CCW	115	1.30	5/16"	2 5/8"	5 1/4"	12"	3M292
	3000	CW/CCW	230	0.60	5/16"	2 5/8"	5 3/8"	12"	4M090 **

\* Requires capacitor No. 2MDV3, available on Grainger.com®. † 60/50 Hz. ‡ Includes bracket and removable studs. # 2-prong polarized plug.



## 3-in-1™ HP 3.3"-Dia. PSC Motor

- Enclosure: open air-over
- Thermal protection: auto
- 60/50 Hz
- Service factor: 1.0
- Insulation: Class B
- Mounting: stud
- Bearings: ball
- Max. ambient temp.: 40°C
- Duty: continuous

Open air-over motor replaces 1/12, 1/15, and 1/20 HP PSC and low-efficient shaded pole motors. Quick-reversing plug. Studs on both endshields and longer shaft for replacing many OEM motors from Chandler, Climate Control, Heatcraft, Larkin, and others. UL Recognized and CSA Certified.

HP	Nameplate RPM	Rotation	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Item No.
1/12	1550	CW/CCW	115/208-230	1.1/0.50	5/16"	3 1/8"	4 1/8"	2NFD1

