

**MORRILL COMMERCIAL REFRIGERATION MOTORS**  
**ARKTIC™ 142 MOTORS**

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**Features**

- RoHS compliant NEMA 48 Frame electronically commutated motor
- 1/2" shaft diameter and shaft water slinger
- 26" cord set attached to motor
- Horizontal - vertical down orientation desired
- Totally enclosed, Non-vented (air-over ECM required)

**Applications**

Designed primarily for use in the evaporator of commercial refrigeration walk-in coolers and freezers as well as outdoor condensers, but can be used in many applications demanding high efficiency and dependability with output ratings between 1/5 – 1 HP including parallel rack fan motors

**ARKTIC™ 142 - Belly Band Mounting**

HP	Speeds	RPM	Volts	Rotation	FLA @ NP	Multiplier	Catalog No.	C Dim	B Dim	Notes
1/5	1	1075	115	CW	4.6	RB1E23	5R002	9.53	4.00	12,14
	1	1075	230	CW	1.9-2.8	RB1E23	5R004	9.59	4.00	12,14
1/3	1	1075	115	CCW	5.8	RB1E23	5R005	10.09	4.00	12,14
	1	1075	230	CCW	2.6-3.5	RB1E23	5R007	10.09	4.00	12,14

NOTES: 12 = Designed for 50 or 60 Hz operation; 14 = Ball bearing

**ARKTIC™ 59 MOTORS**

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**Features**

- RoHS compliant 3.3" diameter electronically commutated motor
- 5/16" shaft diameter and shaft water slinger
- 24" cord set attached to motor
- Horizontal - vertical down orientation desired
- Totally enclosed, Non-vented (air-over ECM required)

**Applications**

Designed primarily for use in the evaporator of commercial refrigeration walk-in coolers and freezers, but can be used in many air-moving applications demanding high efficiency and dependability with output ratings up to 74.6 watts

**ARKTIC™ 59 - Mounting Studs - Both Sides**

HP	Speeds	RPM	Volts	Rotation	FLA @ NP	Multiplier	Catalog No.	C Dim	B Dim	Notes
1/20	1	1550	115	CW	1.75	RB1E84	5105	6.45	2.61	12, 14
	1	1550	115	CCW	1.75	RB1E84	5106	6.45	2.61	12, 14
	1	1550	208-230	CW	0.94	RB1E84	5205	6.45	2.61	12, 14
	1	1550	208-230	CCW	0.94	RB1E84	5206	6.45	2.61	12, 14
1/15	1	1550	115	CW	1.30	RB1E84	5100	6.74	2.61	12, 14
	1	1550	115	CCW	1.30	RB1E84	5101	6.74	2.61	12, 14
	1	1550	208-230	CW	0.80	RB1E84	5200	6.74	2.61	12, 14
	1	1550	208-230	CCW	0.80	RB1E84	5201	6.74	2.61	12, 14
	2	1550/550	115	CCW	1.30	RB1E84	5110	6.74	2.61	12, 14
	2	1550/550	115	CW	1.30	RB1E84	5111	6.74	2.61	12, 14
	2	1550/550	208-230	CCW	0.80	RB1E84	5210	6.74	2.61	12, 14
	2	1550/550	208-230	CW	0.80	RB1E84	5211	6.74	2.61	12, 14

**ARKTIC 59 - Mounting Studs - Front Only**

1/15	1	1550	115	CCW	1.30	RB1E84	5102	6.29	2.61	12, 14
	1	1550	115	CW	1.30	RB1E84	5103	6.29	2.61	12, 14
	1	1550	208-230	CCW	0.80	RB1E84	5202	6.29	2.61	12, 14
	1	1550	208-230	CW	0.80	RB1E84	5203	6.29	2.61	12, 14
	2	1550/550	115	CCW	1.30	RB1E84	5120	6.29	2.61	12, 14
	2	1550/550	115	CW	1.30	RB1E84	5121	6.29	2.61	12, 14
	2	1550/550	208-230	CCW	0.80	RB1E84	5220	6.29	2.61	12, 14
	2	1550/550	208-230	CW	0.80	RB1E84	5221	6.29	2.61	12, 14

**ARKTIC 59 - VSD Mounting Bracket**

1/15	1	1550	115	CCW	1.30	RB1E84	5104	5.64	1.01	12, 14
	1	1550	208-230	CCW	0.80	RB1E84	5204	5.64	1.01	12, 14

