



**2009 Commercial, Industrial & Agricultural  
New & Retrofit Premium Efficiency Motor Rebate Application**

Connexus Energy, 14601 Ramsey Blvd., Ramsey, MN 55303, 763-323-2600

**Business Name:** \_\_\_\_\_

**Mailing Address:** \_\_\_\_\_ **Phone** \_\_\_\_\_

\_\_\_\_\_

**Installation Address:** \_\_\_\_\_  
(if different from above)

**Account Number:** \_\_\_\_\_

**Contact Name:** \_\_\_\_\_ **Phone** \_\_\_\_\_

**Email Address:** \_\_\_\_\_

**Co-op Rep:** \_\_\_\_\_ **Date** \_\_\_\_\_

**Qualifying Customers:** Applicable to commercial, industrial and agricultural customers of Connexus Energy.

**Rebate Program Guidelines:** Connexus Energy offers cash rebates to qualifying member consumers who purchase and install qualifying new motors (not rewound or repaired motors) in new or retrofit applications.

**Warranty Information:** Rebate qualifications do not imply any representation or warranty of such equipment, design, or installation by Connexus Energy. Connexus Energy shall not be responsible or liable for any personal injury or property damage caused by this equipment. Connexus Energy does not guarantee that a specific level of energy or cost savings will result from the implementation of energy conservation measures or the use of products funded under this program. In no event shall Connexus Energy be liable for any incidental or consequential damages.

**Other Important Program Rules**

1. Installation must be complete before funds will be issued for the rebate.
2. Customers and vendors must submit itemized equipment invoices along with rebate applications, and worksheet to Connexus Energy. To ensure that the equipment installed meets Connexus Energy's performance standards, these invoices must itemize labor charges, quantity and price of the equipment installed, recycling fees, and information regarding the manufacturer and model numbers for all equipment included in the rebate.
3. Connexus Energy reserves the right to conduct random inspections of installations.
4. The customer is responsible for checking with Connexus Energy to determine whether funding is available and to verify program parameters.
5. Rebate must comply with all program specific rules and qualifications.
6. Qualifying customers must apply for Year 2009 rebates no later than November 30, 2009.
7. The maximum rebate amount shall be the lesser of 50% of the project cost or \$100,000 (\$150,000 for retrofit projects with prior approval from Connexus Energy).

**The undersigned does hereby certify that:**

- 1) The undersigned, and not Connexus Energy, is solely responsible for the accuracy of the information contained in this application
- 2) All rules of the rebate program have been followed
- 3) The installation is complete.
- 4) The undersigned acknowledges that nothing contained in the application shall impose any liability on Connexus Energy for the work performed and information presented by the customer's engineer, contractor, or vendor.

**Customer Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_



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Business Name: 0

**NEW MOTORS - New Equipment Installed**

End Use	Motor ODP/TEFC	RPM	Manufacturer Model #	Nominal Eff. %	Operating Hrs/Yr	QTY	HP (ea)	\$7.50/HP	Motor Rebate
								\$7.50	
								\$7.50	
								\$7.50	
								\$7.50	
								\$7.50	
								\$7.50	
								\$7.50	
<b>Sub Total</b>									

ODP - Open Drip Proof      **\*\* Required information.**      **\*\*Total New Motor Project Cost**   
 TEFC - Totally Enclosed Fan Cooled      **New Motor Rebate**

**RETROFIT MOTORS - Replacing an Existing Operating Motor**

End Use	Motor ODP/TEFC	RPM	Manufacturer Model #	Nominal Eff. %	Operating Hrs/Yr	QTY	HP (ea)	\$20/HP	Motor Rebate
								\$20.00	
								\$20.00	
								\$20.00	
								\$20.00	
								\$20.00	
								\$20.00	
								\$20.00	
<b>Sub Total</b>									

ODP - Open Drip Proof      **\*\* Required information.**      **\*\*Total Replacement Motor Project Cost**   
 TEFC - Totally Enclosed Fan Cooled      **Replacement Motor Rebate**

**Total Project Cost**

**Specific Rules and Qualifications**      **Total Project Rebate**

- Rebates will apply only for **new premium efficiency motors** (not rewound or repaired motors) for new or retrofit installations only.
  - Rebates for retrofit applications are only available where a non-NEMA premium efficient motor existed and a new NEMA premium motor will take its place.
- Rebates apply to motors from 1 hp to 200 hp when they meet or exceed Premium efficiency standards and offer the following features:
  - AC Polyphase induction motor
  - Squirrel cage rotor design
  - NEMA design B torque characteristics
  - Synchronous speeds of 3600, 1800, 1200 rpm
- The nameplate of the new motor must clearly state the National Electrical Manufacturers Association (NEMA) nominal premium efficiency in order to qualify for rebates.
- Motors greater than 200 hp must be evaluated with the Custom Energy Rebate program. The Custom Energy Rebate requires review and prior approval by Connexus Energy.



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Business Name: 0

Open Drip-Proof (ODP)																				
1200 RPM							1800 RPM						3600 RPM							
HP	# Units	Hrs/Yr	EPACT Std Eff	NEMA Prem Eff	Energy Savings		HP	# Units	Hrs/Yr	EPACT Std Eff	NEMA Premium Eff	Energy Savings		HP	# Units	Hrs/Yr	EPACT Std Eff	NEMA Premium Eff	Energy Savings	
					kW	kWh						kW	kWh						kW	kWh
1	0.0	0	74.0	82.5	0.00	0.00	1	0.0	0	80.0	85.5	0.00	0.00	1	0.0	0	0.0	77.0	0.00	0.00
1.5	0.0	0	84.0	86.5	0.00	0.00	1.5	0.0	0	84.0	86.5	0.00	0.00	1.5	0.0	0	82.5	84.0	0.00	0.00
2	0.0	0	85.5	87.5	0.00	0.00	2	0.0	0	84.0	86.5	0.00	0.00	2	0.0	0	84.0	85.5	0.00	0.00
3	0.0	0	86.5	88.5	0.00	0.00	3	0.0	0	86.5	89.5	0.00	0.00	3	0.0	0	84.0	85.5	0.00	0.00
5	0.0	0	87.5	89.5	0.00	0.00	5	0.0	0	87.5	89.5	0.00	0.00	5	0.0	0	85.5	86.5	0.00	0.00
7.5	0.0	0	88.5	90.2	0.00	0.00	7.5	0.0	0	88.5	91.0	0.00	0.00	7.5	0.0	0	87.5	88.5	0.00	0.00
10	0.0	0	90.2	91.7	0.00	0.00	10	0.0	0	89.5	91.7	0.00	0.00	10	0.0	0	88.5	89.5	0.00	0.00
15	0.0	0	90.2	91.7	0.00	0.00	15	0.0	0	91.0	93.0	0.00	0.00	15	0.0	0	89.5	90.2	0.00	0.00
20	0.0	0	91.0	92.4	0.00	0.00	20	0.0	0	91.0	93.0	0.00	0.00	20	0.0	0	90.2	91.0	0.00	0.00
25	0.0	0	91.7	93.0	0.00	0.00	25	0.0	0	91.7	93.6	0.00	0.00	25	0.0	0	91.0	91.7	0.00	0.00
30	0.0	0	92.4	93.6	0.00	0.00	30	0.0	0	92.4	94.1	0.00	0.00	30	0.0	0	91.0	91.7	0.00	0.00
40	0.0	0	93.0	94.1	0.00	0.00	40	0.0	0	93.0	94.1	0.00	0.00	40	0.0	0	91.7	92.4	0.00	0.00
50	0.0	0	93.0	94.1	0.00	0.00	50	0.0	0	93.0	94.5	0.00	0.00	50	0.0	0	92.4	93.0	0.00	0.00
60	0.0	0	93.6	94.5	0.00	0.00	60	0.0	0	93.6	95.0	0.00	0.00	60	0.0	0	93.0	93.6	0.00	0.00
75	0.0	0	93.6	94.5	0.00	0.00	75	0.0	0	94.1	95.0	0.00	0.00	75	0.0	0	93.0	93.6	0.00	0.00
100	0.0	0	94.1	95.0	0.00	0.00	100	0.0	0	94.1	95.4	0.00	0.00	100	0.0	0	93.0	93.6	0.00	0.00
125	0.0	0	94.1	95.0	0.00	0.00	125	0.0	0	94.5	95.4	0.00	0.00	125	0.0	0	93.6	94.1	0.00	0.00
150	0.0	0	94.5	95.4	0.00	0.00	150	0.0	0	95.0	95.8	0.00	0.00	150	0.0	0	93.6	94.1	0.00	0.00
200	0.0	0	94.5	95.4	0.00	0.00	200	0.0	0	95.0	95.8	0.00	0.00	200	0.0	0	94.5	95.0	0.00	0.00
					0.0	0						0.0	0						0.0	0

Totally Enclosed Fan Cooled (TEFC)																				
1200 RPM							1800 RPM						3600 RPM							
HP	# Units	Hrs/Yr	EPACT Std Eff	NEMA Premium Eff	Energy Savings		HP	# Units	Hrs/Yr	EPACT Std Eff	NEMA Premium Eff	Energy Savings		HP	# Units	Hrs/Yr	EPACT Std Eff	NEMA Premium Eff	Energy Savings	
					kW	kWh						kW	kWh						kW	kWh
1	0.0	0	74.0	82.5	0.00	0.00	1	0.0	0	82.5	85.5	0.00	0.00	1	0.0	0	0.0	77.0	0.00	0.00
1.5	0.0	0	85.5	87.5	0.00	0.00	1.5	0.0	0	84.0	86.5	0.00	0.00	1.5	0.0	0	82.5	84.0	0.00	0.00
2	0.0	0	86.5	88.5	0.00	0.00	2	0.0	0	84.0	86.5	0.00	0.00	2	0.0	0	84.0	85.5	0.00	0.00
3	0.0	0	87.5	89.5	0.00	0.00	3	0.0	0	87.5	89.5	0.00	0.00	3	0.0	0	85.5	86.5	0.00	0.00
5	0.0	0	87.5	89.5	0.00	0.00	5	0.0	0	87.5	89.5	0.00	0.00	5	0.0	0	87.5	88.5	0.00	0.00
7.5	0.0	0	89.5	91.0	0.00	0.00	7.5	0.0	0	89.5	91.7	0.00	0.00	7.5	0.0	0	88.5	89.5	0.00	0.00
10	0.0	0	89.5	91.0	0.00	0.00	10	0.0	0	89.5	91.7	0.00	0.00	10	0.0	0	89.5	90.2	0.00	0.00
15	0.0	0	90.2	91.7	0.00	0.00	15	0.0	0	91.0	92.4	0.00	0.00	15	0.0	0	90.2	91.0	0.00	0.00
20	0.0	0	90.2	91.7	0.00	0.00	20	0.0	0	91.0	93.0	0.00	0.00	20	0.0	0	90.2	91.0	0.00	0.00
25	0.0	0	91.7	93.0	0.00	0.00	25	0.0	0	92.4	93.6	0.00	0.00	25	0.0	0	91.0	91.7	0.00	0.00
30	0.0	0	91.7	93.0	0.00	0.00	30	0.0	0	92.4	93.6	0.00	0.00	30	0.0	0	91.0	91.7	0.00	0.00
40	0.0	0	93.0	94.1	0.00	0.00	40	0.0	0	93.0	94.1	0.00	0.00	40	0.0	0	91.7	92.4	0.00	0.00
50	0.0	0	93.0	94.1	0.00	0.00	50	0.0	0	93.0	94.5	0.00	0.00	50	0.0	0	92.4	93.0	0.00	0.00
60	0.0	0	93.6	94.5	0.00	0.00	60	0.0	0	93.6	95.0	0.00	0.00	60	0.0	0	93.0	93.6	0.00	0.00
75	0.0	0	93.6	94.5	0.00	0.00	75	0.0	0	94.1	95.4	0.00	0.00	75	0.0	0	93.0	93.6	0.00	0.00
100	0.0	0	94.1	95.0	0.00	0.00	100	0.0	0	94.5	95.4	0.00	0.00	100	0.0	0	93.6	94.1	0.00	0.00
125	0.0	0	94.1	95.0	0.00	0.00	125	0.0	0	94.5	95.4	0.00	0.00	125	0.0	0	94.5	95.0	0.00	0.00
150	0.0	0	95.0	95.8	0.00	0.00	150	0.0	0	95.0	95.8	0.00	0.00	150	0.0	0	94.5	95.0	0.00	0.00
200	0.0	0	95.0	95.8	0.00	0.00	200	0.0	0	95.0	96.2	0.00	0.00	200	0.0	0	95.0	95.4	0.00	0.00
					0.0	0						0.0	0						0.0	0

Total kWh Savings

Total kW Savings

Motor energy savings = Standard EPACT - NEMA Premium

**NEMA Nominal Efficiency - Table 12-10**

HP	Open Drip-Proof (ODP)			Totally Enclosed Fan Cooled (TEFC)		
	1200 RPM	1800 RPM	3600 RPM	1200 RPM	1800 RPM	3600 RPM
1.0	74.0	80.0	-----	74.0	80.0	82.5
1.5	84.0	84.0	82.5	85.5	84.0	82.5
2.0	85.5	84.0	84.0	86.5	84.0	84.0
3.0	86.5	86.5	84.0	87.5	87.5	85.5
5.0	87.5	87.5	85.5	87.5	87.5	87.5
7.5	88.5	88.5	87.5	89.5	89.5	88.5
10.0	90.2	89.5	88.5	89.5	89.5	89.5
15.0	90.2	91.0	89.5	90.2	91.0	90.2
20.0	91.0	91.0	90.2	90.2	91.0	90.2
25.0	91.7	91.7	91.0	91.7	92.4	91.0
30.0	92.4	92.4	91.0	91.7	92.4	91.0
40.0	93.0	93.0	91.7	93.0	93.0	91.7
50.0	93.0	93.0	92.4	93.0	93.0	92.4
60.0	93.6	93.6	93.0	93.6	93.6	93.0
75.0	93.6	94.1	93.0	93.6	94.1	93.0
100.0	94.1	94.1	93.0	94.1	94.5	93.6
125.0	94.1	94.5	93.6	94.1	94.5	94.5
150.0	94.5	95.0	93.6	95.0	95.0	94.5
200.0	94.5	95.0	94.5	95.0	95.0	95.0

**NEMA Premium Efficiency Motor Standards**

HP	Open Drip-Proof (ODP)			Totally Enclosed Fan Cooled (TEFC)		
	1200 RPM	1800 RPM	3600 RPM	1200 RPM	1800 RPM	3600 RPM
1.0	82.5	85.5	77.0	82.5	85.5	77.0
1.5	86.5	86.5	84.0	87.5	86.5	84.0
2.0	87.5	86.5	85.5	88.5	86.5	85.5
3.0	88.5	89.5	85.5	89.5	89.5	86.5
5.0	89.5	89.5	86.5	89.5	89.5	88.5
7.5	90.2	91.0	88.5	91.0	91.7	89.5
10.0	91.7	91.7	89.5	91.0	91.7	90.2
15.0	91.7	93.0	90.2	91.7	92.4	91.0
20.0	92.4	93.0	91.0	91.7	93.0	91.0
25.0	93.0	93.6	91.7	93.0	93.6	91.7
30.0	93.6	94.1	91.7	93.0	93.6	91.7
40.0	94.1	94.1	92.4	94.1	94.1	92.4
50.0	94.1	94.5	93.0	94.1	94.5	93.0
60.0	94.5	95.0	93.6	94.5	95.0	93.6
75.0	94.5	95.0	93.6	94.5	95.4	93.6
100.0	95.0	95.4	93.6	95.0	95.4	94.1
125.0	95.0	95.4	94.1	95.0	95.4	95.0
150.0	95.4	95.8	94.1	95.8	95.8	95.0
200.0	95.4	95.8	95.0	95.8	96.2	95.4

**Premium Efficiency Motor Standards**

HP	Open Drip-Proof (ODP)			Totally Enclosed Fan Cooled (TEFC)		
	1200 RPM	1800 RPM	3600 RPM	1200 RPM	1800 RPM	3600 RPM
1.0	82.5	85.5	77.0	82.5	85.5	77.0
1.5	86.5	86.5	84.0	87.5	86.5	84.0
2.0	87.5	86.5	85.5	88.5	86.5	85.5
3.0	88.5	89.5	85.5	89.5	89.5	86.5
5.0	89.5	89.5	86.5	89.5	89.5	88.5
7.5	90.2	91.0	88.5	91.0	91.7	89.5
10.0	91.7	91.7	89.5	91.0	91.7	90.2
15.0	91.7	93.0	90.2	91.7	92.4	91.0
20.0	92.4	93.0	91.0	91.7	93.0	91.0
25.0	93.0	93.6	91.7	93.0	93.6	91.7
30.0	93.6	94.1	91.7	93.0	93.6	91.7
40.0	94.1	94.1	92.4	94.1	94.1	92.4
50.0	94.1	94.5	93.0	94.1	94.5	93.0
60.0	94.5	95.0	93.6	94.5	95.0	93.6
75.0	94.5	95.0	93.6	94.5	95.4	93.6
100.0	95.0	95.4	93.6	95.0	95.4	94.1
125.0	95.0	95.4	94.1	95.0	95.4	95.0
150.0	95.4	95.8	94.1	95.8	95.8	95.0
200.0	95.4	95.8	95.0	95.8	96.2	95.4