GE INDUSTRIAL MOTORS
a **WOLONG** *company*

Reciprocating Compressor Motors

TEFC and WPII
3 Phase, 60 Hz
460V, 150-800 HP

Solidly Built Motors
Engineered to Last

GE motors from Wolong are manufactured in North America. They are known for high mechanical integrity and superior electrical designs, reliably and efficiently operate in hundreds of petroleum and chemical facilities around the world.

Reciprocating compressors experience high-cyclic loads. Their performance and reliability rely on a robust, severe-duty compressor train. It is important to choose the right electric motor to help control any fluctuations and torque oscillations to minimize fatigue and increase the reliability of the compressor.

To best meet these application challenges, our motors have these key features:

- High strength AISI 4142 steel to handle current pulsations and torsional vibration
- Oversized shaft diameters matched to compressor shafts for optimal coupling and reliable operation
- Torsional and current pulsation data available
- Keyless shaft extension
- Optimized frame design for low noise and vibration
- Durable, moisture resistant insulation system excels in VFD applications meeting and exceeding NEMA MG1-31 standards.

GE motors from Wolong are engineered, tested, and proven to meet or exceed all applicable NEMA, CSA, and UL requirements and standards for reciprocating compressor applications.

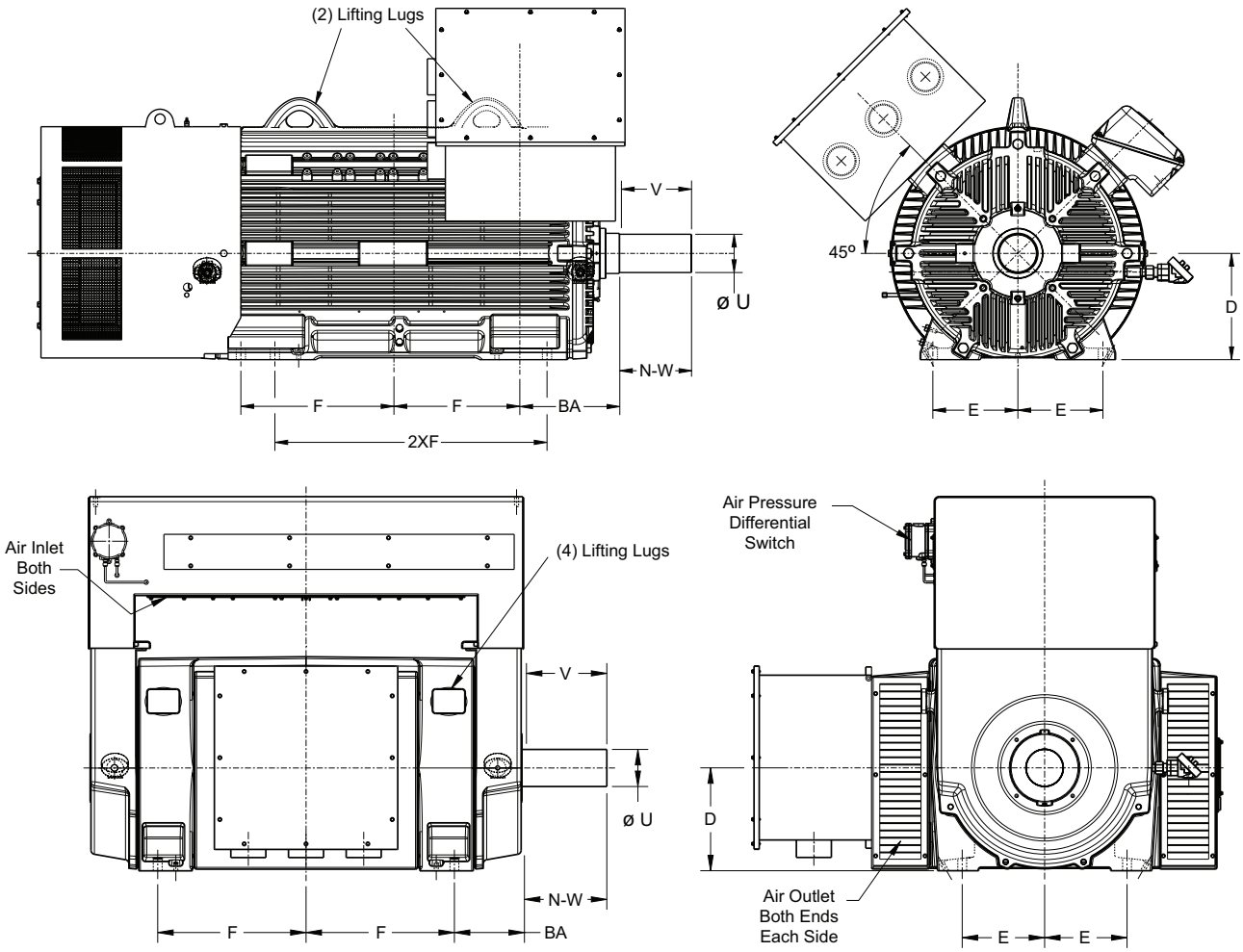
NEMA Premium

Features

Type	AC Induction
Phase	3
Frequency	60 Hz
Voltage	460 V
Power	150 to 800 HP
Speed	1800 RPM (other speeds available)
Enclosure	TEFC, WPII
Efficiency	NEMA Premium Efficiency
Insulation	Class H standard on 449 frame and smaller, Class F on 500 frame
Ambient	50°C
S.F. Factor	1.15 (continuous)
Temp Rise	Class-B @ 1.0 service factor

VFD	Inverter Duty - 2:1 speed range in constant torque operation
Brg Type	Anti-friction ball
Shaft	AISI 4142 steel
Haz. Areas	Class I Division 2
Insulation System	Random wound / Form wound available
RTD's	100-Ohm Platinum wired to an accessory box (above NEMA): Stator Winding RTD - 2 per phase Bearing RTD – 1 per bearing
Space Htr.	Patented 120V thermostatically controlled for safe operation in Div 2 environment
Hardware	Corrosion-resistant

Ratings and Dimensions



HP	Speed (RPM)	Enclosure	Frame	Cat. #	Model #	0U Dia. (in)	2F (in)	2E (in)	D (in)	BA+N-W (in)
150	1800	TEFC	445TZ	R44201	5KAF445SAA258	3.375	16.5	18	11.0	16.0
200	1800	TEFC	445TZ	R44202	5KAF445SAA259	3.375	16.5	18	11.0	16.0
200	1800	TEFC	447TZ	R44203	5KAF447SAA240	3.375	20.0	18	11.0	16.0
250	1800	TEFC	449TZ	R44204	5KAF449SAA255	3.375	25.0	18	11.0	16.0
300	1800	TEFC	449TZ	R44205	5KAF449SAA256	3.375	25.0	18	11.0	16.0
350	1800	TEFC	449TZ	R44206	5KAF449SAH220	3.375	25.0	18	11.0	16.0
400	1800	TEFC	5009Z	R50201	5KAF509SAA237	4.500	28.0	20	12.5	16.5
450	1800	TEFC	5011Z	R50202	5KAF511SAA235	4.500	36.0	20	12.5	16.5
500	1800	TEFC	5011Z	R50203	5KAF511SAA236	4.500	36.0	20	12.5	16.5
600	1800	WPII	5011Z	R50204	5KAF511EAG220	4.500	36.0	20	12.5	18.0
700	1800	WPII	5011Z	R50205	5KAF511EAG221	4.500	36.0	20	12.5	18.0
800	1800	WPII	5013Z	R50206	5KAF513EAG220	4.500	45.0	20	12.5	18.0

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