

**BALDOR • RELIANCE**

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# Customer information packet

## VEUHM3554T-5

1.5HP, 1760RPM, 3PH, 60HZ, 145TC, 3526M, TEFC

Class - None

Division - Not Applicable

## Specifications

Enclosure	TEFC
Frame	145TC
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	UR CE CSA
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	1.800 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.8 a
Insulation Class	F

## Part detail

Revision	J
Type	AC
Mech. spec.	35W819
Base	
Status	PRD/A
Elec. spec.	35WGM887
Layout	35LYW819
Eff. date	12-02-2020
CD Diagram	CD0006
Poles	04
Leads	3#18
Proprietary	False
Created date	10-05-2010

<b>Inverter Code</b>	Inverter Ready
<b>KVA Code</b>	L
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Motor Lead Exit</b>	Ko Box
<b>Motor Lead Quantity/Wire Size</b>	3 @ 18 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3526M
<b>Mounting Arrangement</b>	F3
<b>Number of Poles</b>	4
<b>Overall Length</b>	13.29 IN
<b>Power Factor</b>	73
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	C-Face
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	0.875 IN
<b>Shaft Extension Location</b>	Pulley End
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1760 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP2934L</b>									
<b>CAT.NO.</b>	VEUHM3554T-5								
<b>SPEC.</b>	35W819M887G1								
<b>HP</b>	1.5								
<b>VOLTS</b>	575								
<b>AMP</b>	1.8								
<b>RPM</b>	1760								
<b>FRAME</b>	145TC	<b>HZ</b>	60	<b>PH</b>	3				
<b>SER.F.</b>	1.15	<b>CODE</b>	L	<b>DES</b>	B	<b>CL</b>	F		
<b>NEMA-NOM-EFF</b>	86.5	<b>PF</b>	73						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>	010A	<b>USABLE AT 208V</b>							
<b>DE</b>	6205	<b>ODE</b>	6203						
<b>ENCL</b>	TEFC	<b>SN</b>							
	IP44								

**AC Induction Motor Performance Data**

Record # 32435

Typical performance - not guaranteed values

<b>Winding: 35WGM887-R001</b>		<b>Type: 3526M</b>		<b>Enclosure: TEFC</b>	
<b>Nameplate Data</b>			<b>575 V, 60 Hz: Single Voltage Motor</b>		
<b>Rated Output (HP)</b>	1.5	<b>Full Load Torque</b>	4.47 LB-FT		
<b>Volts</b>	575	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	1.8	<b>Breakdown Torque</b>	19.1 LB-FT		
<b>R.P.M.</b>	1760	<b>Pull-up Torque</b>	9.34 LB-FT		
<b>Hz</b>	60	<b>Locked-rotor Torque</b>	13.3 LB-FT		
<b>NEMA Design Code</b>	B	<b>Starting Current</b>	14.6 A		
<b>Service Factor (S.F.)</b>	1.15	<b>No-load Current</b>	1.09 A		
<b>NEMA Nom. Eff.</b>	86.5	<b>Line-line Res. @ 25°C</b>	17 Ω		
<b>Rating - Duty</b>	40C	<b>Temp. Rise @ Rated Load</b>	44°C		
<b>S.F. Amps</b>	AMB-CONT	<b>Temp. Rise @ S.F. Load</b>	53°C		
		<b>Locked-rotor Power Factor</b>	52		
		<b>Rotor inertia</b>	0.154 LB-FT <sup>2</sup>		

**Load Characteristics 575 V, 60 Hz, 1.5 HP**

<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>S.F.</b>
<b>Power Factor</b>	31	51	65	74	79	83	77
<b>Efficiency</b>	76.5	84.5	87	87.1	86.3	85.3	86.6
<b>Speed</b>	1791	1781	1771	1760	1748	1735	1753
<b>Line amperes</b>	1.15	1.28	1.49	1.75	2.06	2.38	1.94

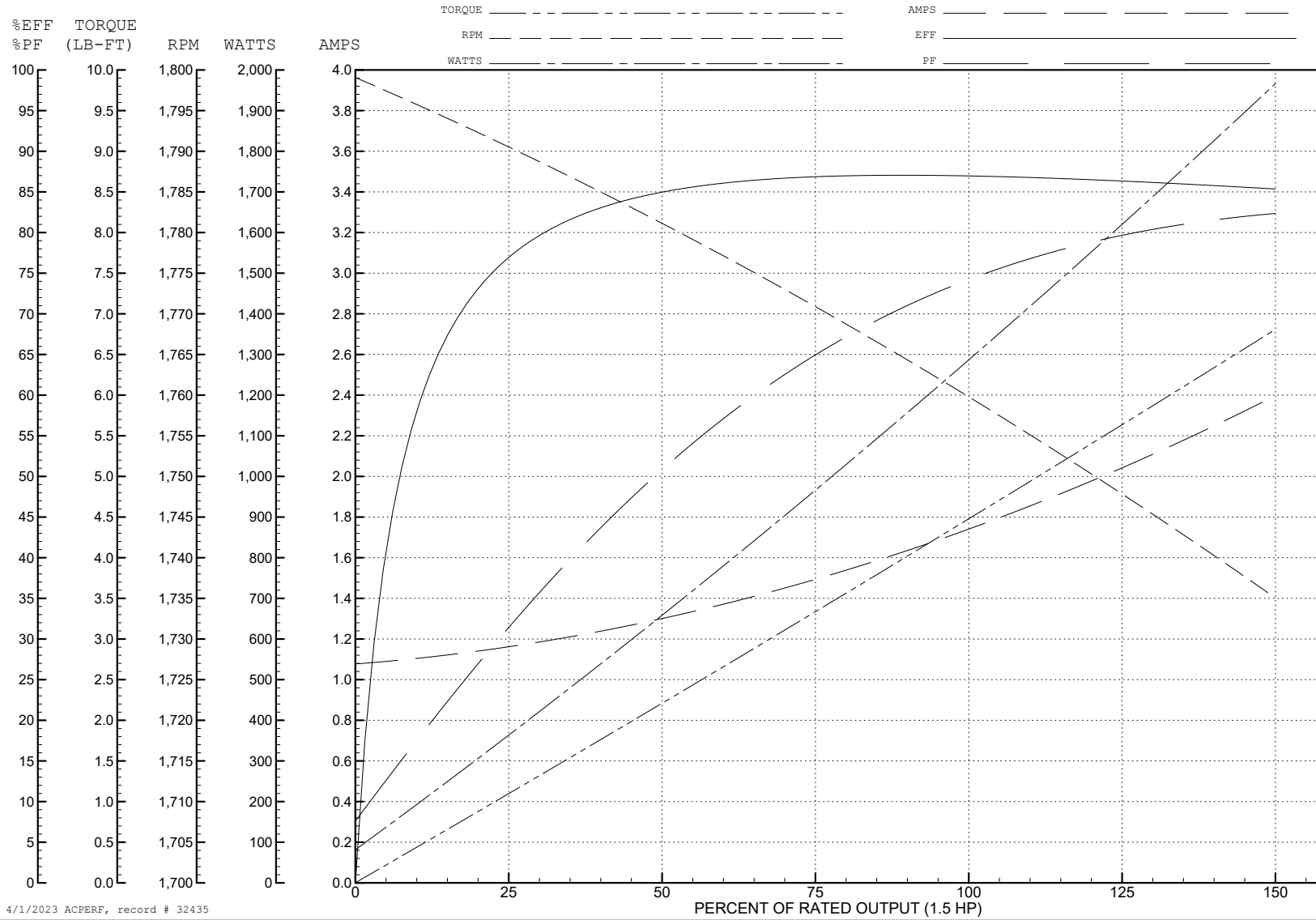
ABB Motors and Mechanical Inc.

WINDING # 35WGM887

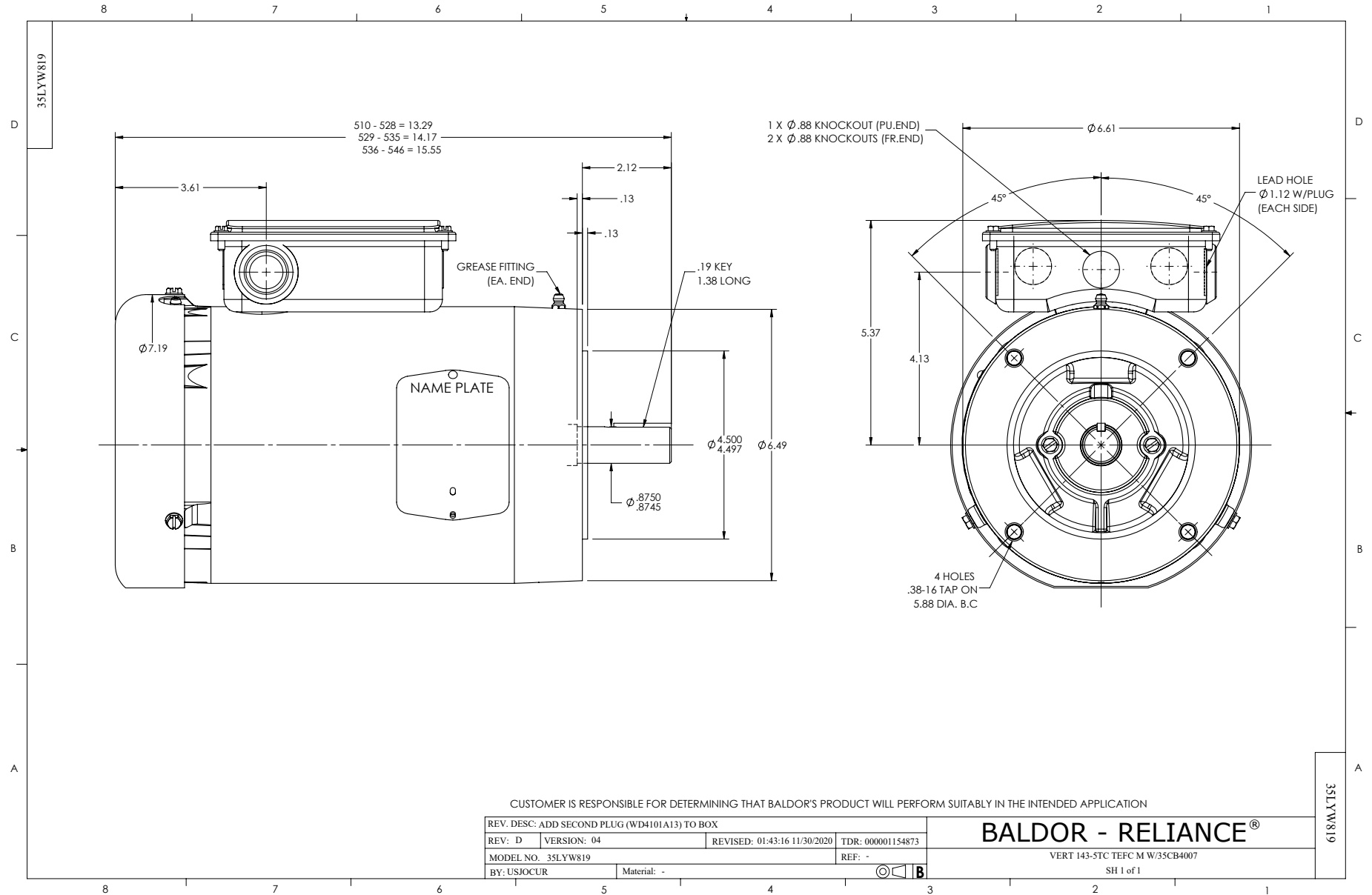
1.5 HP 3 PH 60 HZ 1760 RPM 575 V 3526M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=19.1 PU=9.34 LR=13.3 LRA=14.6



4/1/2023 ACPERP, record # 32435



CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007		
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FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIRO
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3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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