BALDOR • RELIANCE II

Customer information packet CESSWDM3554-H

1.5HP, 1770RPM, 3PH, 60HZ, 56HC, 3526M, TEFC, F Class - None Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	56HC
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	UR
	CSA
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	2.100 A @ 460.0 V
	4.200 A @ 230.0 V
Design Code	В
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	2.1 a
Insulation Class	F

Part detail

Revision	A
Туре	AC
Mech. spec.	35E6084
Base	
Status	PRD/A
Elec. spec.	35WGZ819
Layout	35LYE6084
Eff. date	02-19-2024
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	02-21-2023

Inverter Code	Inverter Ready
KVA Code	М
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3526M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.03 IN
Power Factor	76
Product Family	Wash Down All Stainless Steel
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1770 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1951A01										
CAT.NO.	CESSW	CESSWDM3554-H								
SPEC.	35E608	34 Z 819	G1							
НР	1.5									
VOLTS	230/46	230/460								
AMP	4.2/2.1	4.2/2.1								
RPM	1770	1770								
FRAME	56HC			ΗZ	60			РΗ		3
SER.F.	1.15	cc	DE	М	DES	В	CLASS		F	
NEMA-NOM-EFF	86.5		PF	•	76					
RATING	40C AN	40C AMB-CONT								
СС	010A									
DE	6205		(DDE	6203					
ENCL	TEFC	SN								
	SFA 4.7	7/2.35								

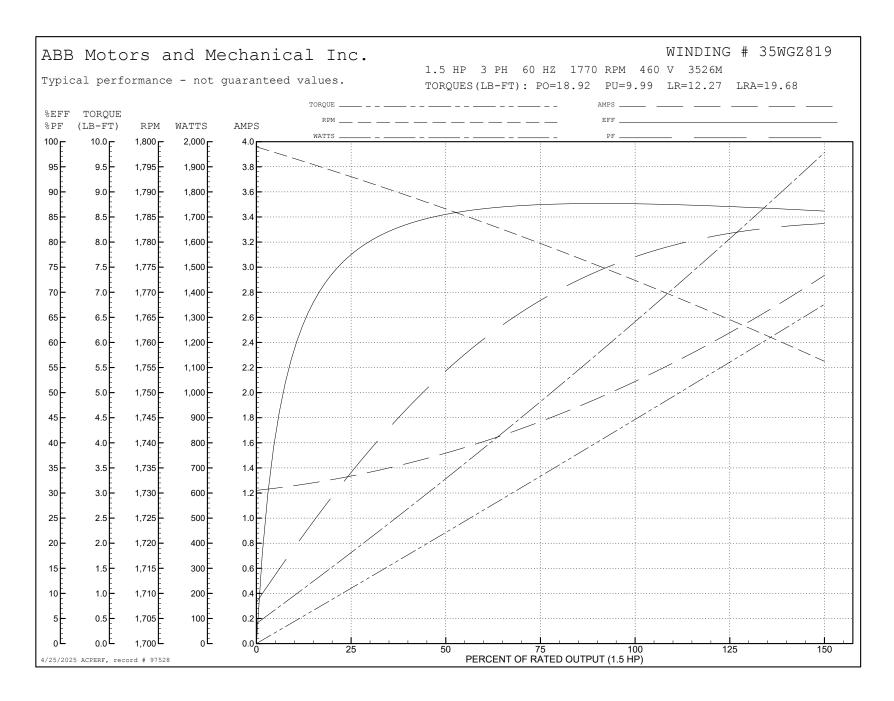
AC Induction Motor Performance Data

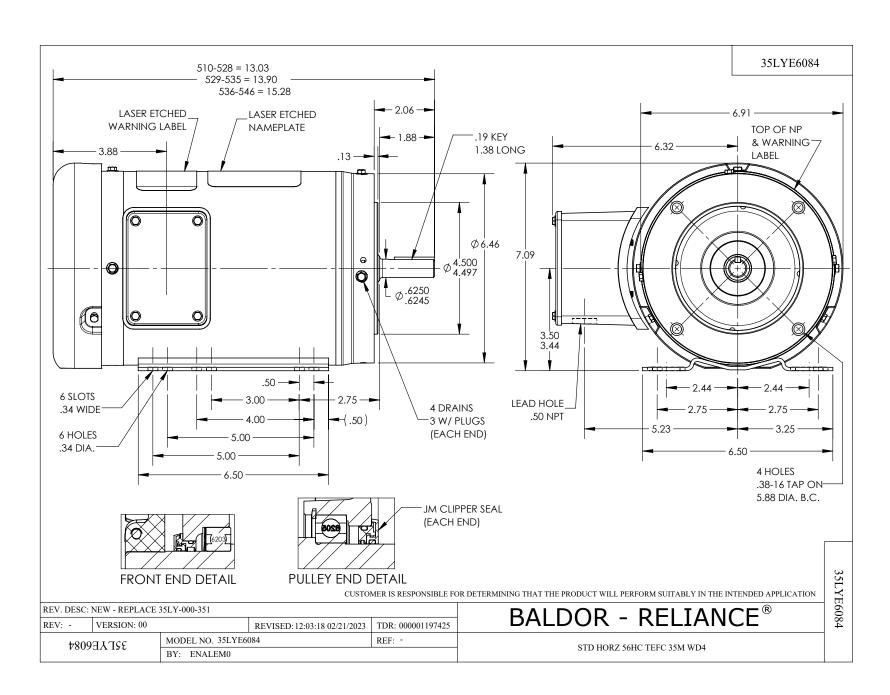
Record # 97528 Preliminary Data Sheet

Winding: 35WGZ819-R002 Type: 35		3526M Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		1.5	Full Load Torque	4.47 LB-FT	
Volts		230/460	Start Configuration	direct on line	
Full Load Amps		4.2/2.1	Breakdown Torque	18.92 LB-FT	
R.P.M.		1770	Pull-up Torque	9.99 LB-FT	
Hz	60 Phase	3	Locked-rotor Torque	12.27 LB-FT	
NEMA Design Code	B KVA Code	М	Starting Current	19.68 A	
Service Factor (S.F.)		1.15	No-load Current	1.24 A	
NEMA Nom. Eff.	86.5 Power Factor	76	Line-line Res. @ 25°C	11.5 Ω	
Rating - Duty	40	C AMB-CONT	Temp. Rise @ Rated Load	37°C	
S.F. Amps		4.7/2.35	Temp. Rise @ S.F. Load	44°C	
			Locked-rotor Power Factor	59.3	
			Rotor inertia	0.188 lb-ft²	

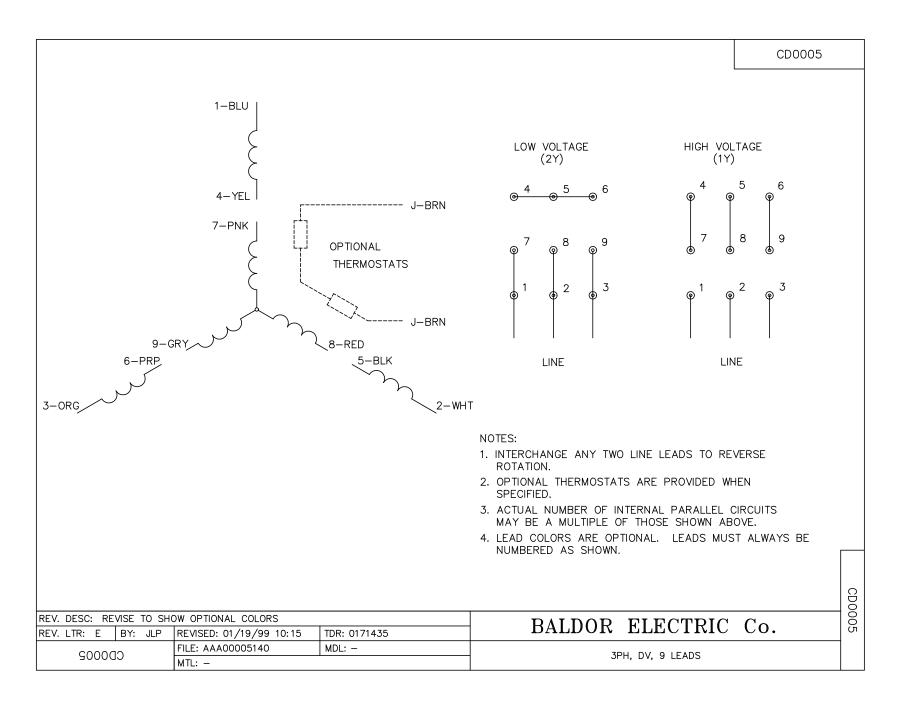
Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	36	55	68	76	81	84	79
Efficiency	77.4	85.3	87.5	87.7	87.2	86	87.4
Speed	1793	1786	1780	1772	1765	1756	1768
Line amperes	1.32	1.5	1.78	2.11	2.49	2.92	2.34





35E6084: TEFC RG 56HC WD4 M N F1 Page 7 of 8



35WGL955: Electrical Design Page 8 of 8