BALDOR • RELIANCE II

Customer information packet CESSWDM3546-H

1HP, 1770RPM, 3PH, 60HZ, 56HC, 3522M, TENV, F1 Class - None Division - Not Applicable

Specifications

Enclosure	TENV
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	1.000 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	CSA EEV
	NEMA PREMIUM
	NEMA_PREMIUM
	UR
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	3.340 A @ 230.0 V
	3.300 A @ 208.0 V
	1.670 A @ 460.0 V
Design Code	В
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	85.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None

Part detail

Revision	Α
Туре	AC
Mech. spec.	35E6083
Base	
Status	PRD/A
Elec. spec.	35WGZ818
Layout	35LYE6083
Eff. date	06-14-2024
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	02-21-2023

Heater Indicator	No Heater
High Voltage Full Load Amps	1.7 a
Insulation Class	F
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	3522M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	11.97 IN
Power Factor	66
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
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

NP1953A01									
CAT.NO.	CESSW	CESSWDM3546-H							
SPEC.	35E60	35E6083Z818G1							
НР	1 TE	1 TE							
VOLTS	230/460								
AMP	3.34/1.67								
RPM	1770								
FRAME	56HC HZ 60					РΗ	3		
SER.F.	1.15	C	ODE	М	DES	В	CLASS		F
NEMA-NOM-EFF	85.5		P	F	66				
RATING	40C AN	40C AMB-CONT							
СС	010A								
DE	6205			ODE	620	3			
ENCL	TENV	SN							
	SFA 3.5/1.75								

AC Induction Motor Performance Data

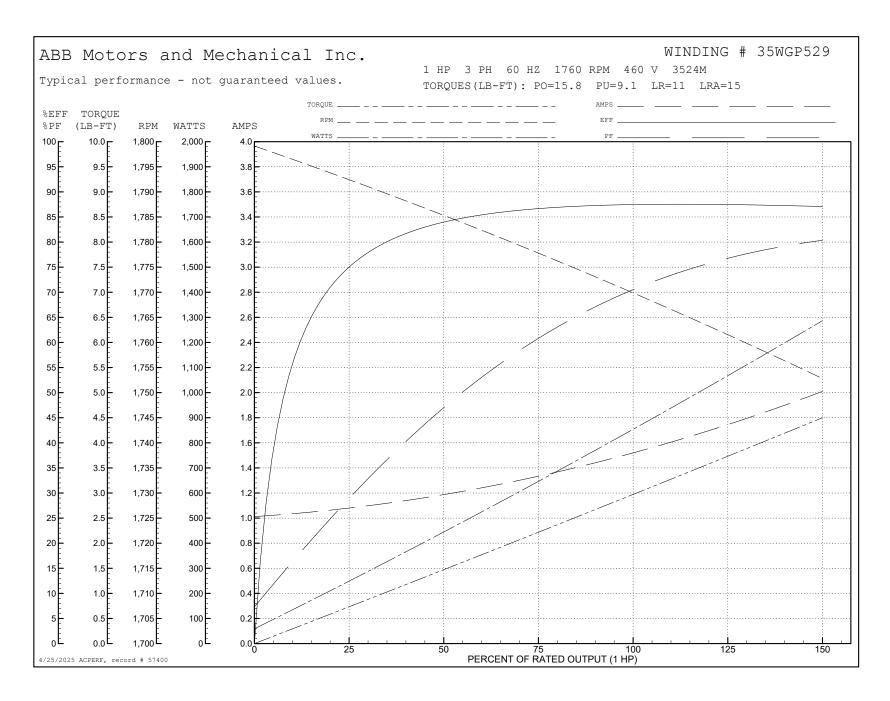
Record # 57400

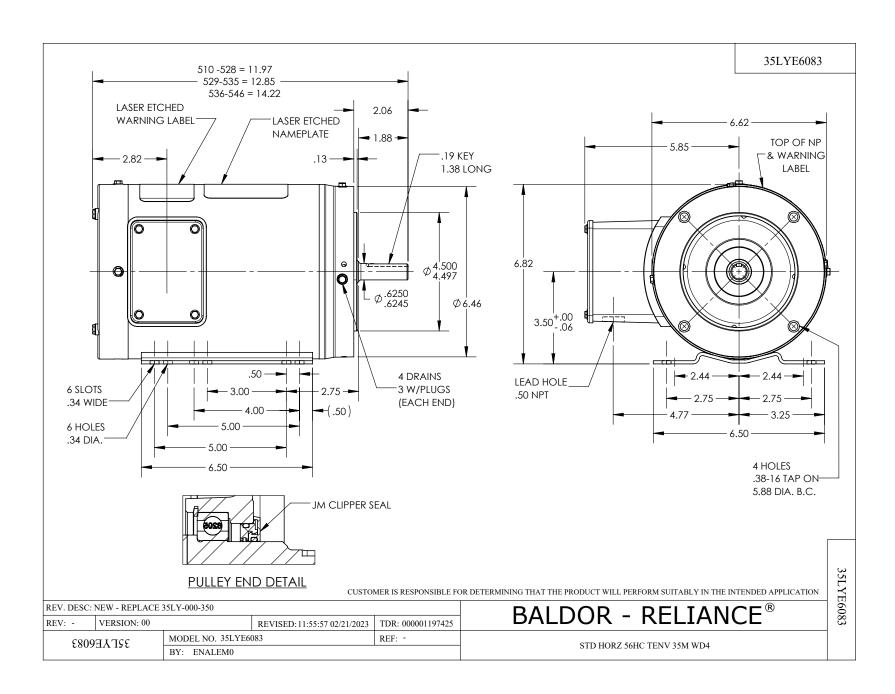
Typical performance - not guaranteed values

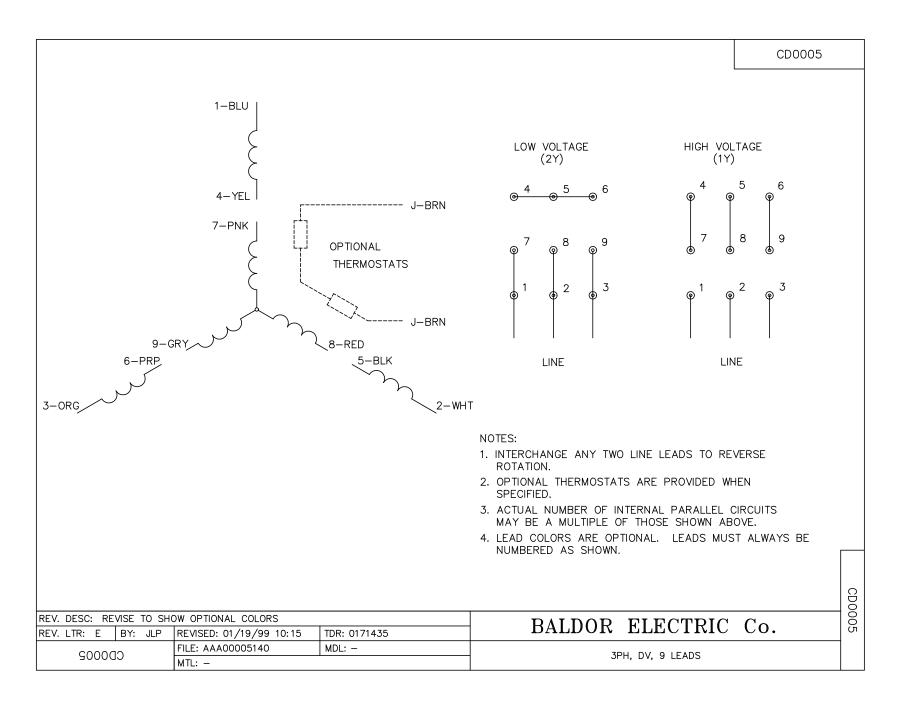
Winding: 35WGP529-R087 Type: 35		: 3524M Enclosure: TENV		
Nameplate Data			460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)		1	Full Load Torque	2.99 LB-FT
Volts		230/460	Start Configuration	direct on line
Full Load Amps		3/1.5	Breakdown Torque	15.8 LB-FT
R.P.M.		1760	Pull-up Torque	9.1 LB-FT
Hz	60 Phase	3	Locked-rotor Torque	11 LB-FT
NEMA Design Code	B KVA Code	N	Starting Current	15 A
Service Factor (S.F.)		1.15	No-load Current	1.02 A
NEMA Nom. Eff.	87.5 Power Factor	70	Line-line Res. @ 25°C	11.2 Ω
Rating - Duty	4	10C AMB-CONT	Temp. Rise @ Rated Load	26°C
S.F. Amps			Temp. Rise @ S.F. Load	30°C
			Locked-rotor Power Factor	48.9
			Rotor inertia	0.142 LB-FT2

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	48	60	70	76	81	74
Efficiency	74.2	83.6	86.7	87.9	87.4	87.1	87.6
Speed	1793	1785	1778	1770	1761	1753	1765
Line amperes	1.07	1.18	1.33	1.53	1.76	2	1.67







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